

# PRODUCT OVERVIEW 2015

DESKTOP DISPLAYS | LARGE FORMAT DISPLAYS | PROJECTORS | SOFTWARE



HILL  
 3B  
 ON SCHEDULE  
 3B  
 EXPECTED EARLY  
 1B  
 ON SCHEDULE



## NEW IN THIS EDITION

Desktop Displays  
 Large Format Displays  
 Projectors

# NEC DISPLAY SOLUTIONS

## PERFORMANCE YOU CAN TRUST

NEC stands for product quality and design perfection with a reputation for reliability and an enviable pan-European support infrastructure to back it up. Installing an NEC display means you can trust in our equipment and our company culture.

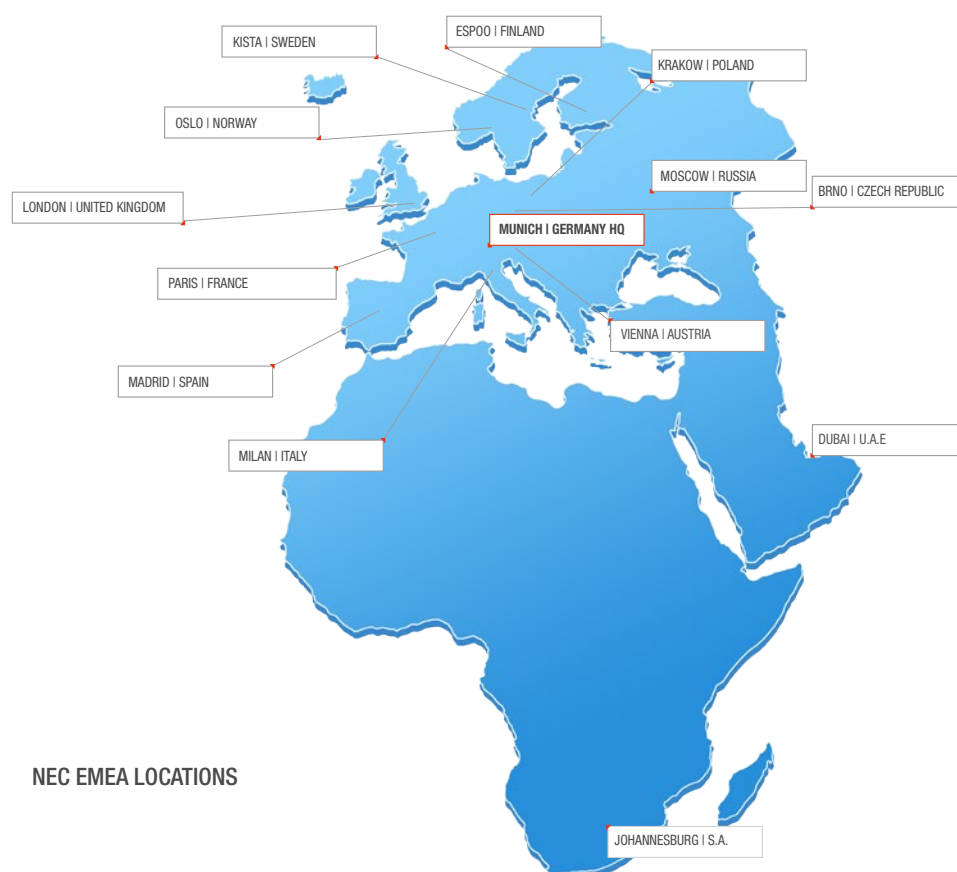
Designed for long term operation, NEC displays and projectors incorporate innovative designs, high quality panels and components and go through demanding quality assurance levels; displays ready for the most demanding mission critical applications, out of the box.

## THE WIDEST PORTFOLIO OF DISPLAY SOLUTIONS OF ANY SUPPLIER

Today NEC boasts a comprehensive range of Desktop Displays, Large Format Displays and Projectors, with a model for almost any application from the largest venues or public places to offices and smaller classrooms.

NEC is one of the world's largest IT Companies, with the display division operating 14 local sales and support offices across Europe, Middle East and Africa.

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NEC EMEA LOCATIONS

# 4KUHD



## 4KUHD

### A New Era of Visual Experience

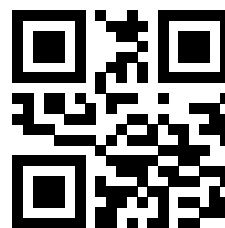
NEC is in the unique position of offering a portfolio of display products which support both the 4K and UHD resolutions. The portfolio of 4K UHD products has been meticulously developed to fulfil all requirements of a richness of detail, precise and controlled colour reproduction, flexible connectivity and a guarantee of giving state-of-the-art technology with investment and future-proof security.

From smaller desktop sizes to large format displays and even powerful laser projectors for the largest image demands - NEC Display Solutions offers 4K UHD products for all kinds of applications including CAD/CAM Technical Design, Control Room, Simulation, Video-Conferencing, Digital Cinema, Post-production and Rental & Staging

Visit

[www.4kuhd-nec.com](http://www.4kuhd-nec.com)

to learn more about our extensive 4K UHD portfolio.



# DESKTOP DISPLAYS



With the widest range of Display Solutions on the market, NEC have a Desktop Display for almost any requirement. From mission critical, such as Finance, Medical or Publishing to Ecological or Commercial applications and all are backed by our three year manufacturer warranty.



For more detailed information please visit:  
[www.nec-display-solutions.com](http://www.nec-display-solutions.com)

| COMMERCIAL ENTRY LEVEL |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| AS SERIES              | Ideal for entry-level, corporate and demanding consumer.                                                                                                |
| COMMERCIAL ENTERPRISE  |                                                                                                                                                         |
| E SERIES               | Perfectly suited for standard office applications at Corporate and Government Offices.                                                                  |
| EA SERIES              | Performance-oriented product series ideal for corporate and SMB users.                                                                                  |
| EX SERIES              | Ideal for corporates that demand style and future proof technology and excellent picture quality.                                                       |
| PROFESSIONAL           |                                                                                                                                                         |
| P SERIES               | The ideal display for professional design, CAD-CAM, finance, demanding office and industrial applications.                                              |
| PA SERIES              | The Reference Professional desktop monitor for Creative Professionals, Semi-Medical, Precision Engineering and Demanding Corporate Office applications. |
| COLOUR                 |                                                                                                                                                         |
| SV SERIES              | The perfect choice for creative professional demanding colour-critical performance.                                                                     |
| MEDICAL                |                                                                                                                                                         |
| MD SERIES              | DICOM prioritisation. Primary Diagnostics and meeting MDD-CE regulations, with complete QA Conformance                                                  |

|                                        | AS222WM               | AS242W                |
|----------------------------------------|-----------------------|-----------------------|
| Order Code                             | 60003496 (BK)         | 60003810 (BK)         |
| Panel Technology                       | TN / W-LED            | W-LED TN TFT          |
| Screen Size [inch / cm]                | 21.5 / 54.62          | 24.0 / 60.97          |
| Aspect Ratio                           | 16:9                  | 16:9                  |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 250                   | 250                   |
| Contrast (typ.)                        | 1000:1                | 1000:1                |
| Viewing Angle Hor / Vert [°]           | 170 / 160             | 170 / 160             |
| Response Time (typ. G to G) [ms]       | 5                     | 5                     |
| Colours [Mio.]                         | 16.77                 | 16.7                  |
| Resolution at 60 Hz                    | 1920 x 1080           | 1920 x 1080           |
| Connectors                             | DVI-D, VGA            | DVI-D, VGA            |
| Power Use Max / ECO [W]                | 27 / 13               | 24 / 13               |
| Power Saving Mode [W]                  | 0.35                  | 0.35                  |
| Internal Power Supply                  | ●                     | ●                     |
| Height Adjustable Stand [mm]           | -                     | -                     |
| Other Ergonomics                       | Tilt                  | Tilt                  |
| Bezel Width T - B / L - R [mm]         | 15.8 / 14.7           | 19.0 / 19.0           |
| Dimensions with stand (W x H x D)      | 507.4 x 364.7 x 205.1 | 571.4 x 400.9 x 211.2 |
| Weight with stand [kg]                 | 4.1                   | tbd                   |
| EPEAT™                                 | Silver                | Silver                |
| TCO                                    | 6.0                   | 6.0                   |
| NaViSet                                | ●                     | ●                     |



|                                        | E171M                          | E223W                          | E224Wi                         | E232WMT                                       | E243WMi                        |
|----------------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------------------------------|--------------------------------|
| Order Code                             | 60003582 (BK)<br>60003581 (WH) | 60003334 (BK)<br>60003335 (WH) | 60003584 (BK)<br>60003583 (WH) | 60003680 (BK)                                 | 60003681 (BK)<br>60003682 (WH) |
| Panel Technology                       | TN / W-LED                     | TN / W-LED                     | IPS with W-LED                 | IPS with W-LED                                | IPS with W-LED                 |
| Screen Size [inch / cm]                | 17.0 / 43.3                    | 22.0 / 55.9                    | 21.5 / 54.6                    | 23.0 / 58.4                                   | 23.8 / 60.47                   |
| Aspect Ratio                           | 5:4                            | 16:10                          | 16:9                           | 16:9                                          | 16:9                           |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 250                            | 250                            | 250                            | 250                                           | 250                            |
| Contrast (typ.)                        | 1000:1                         | 1000:1                         | 1000:1                         | 1000:1                                        | 1000:1                         |
| Viewing Angle Hor / Vert [°]           | 170 / 160                      | 170 / 160                      | 178 / 178                      | 170 / 170                                     | 178 / 178                      |
| Response Time (typ. G to G) [ms]       | 5                              | 5                              | 6                              | 5                                             | 6                              |
| Colours [Mio.]                         | 16.7                           | 16.77                          | 16.77                          | 16.77                                         | 16.77                          |
| Resolution at 60 Hz                    | 1280 x 1024                    | 1680 x 1,050                   | 1920 x 1080                    | 1920 x 1080                                   | 1920 x 1080                    |
| Connectors                             | DVI-D, VGA                     | DisplayPort, DVI-D,<br>VGA     | DisplayPort, DVI-D,<br>VGA     | HDMI, DVI-D,<br>VGA                           | DisplayPort, DVI-D,<br>VGA     |
| Power Use Max / ECO [W]                | 19 / 9                         | 24 / 12                        | 25 / 16                        | 52 / 20                                       | 26 / 13                        |
| Power Saving Mode [W]                  | 0.15                           | 0.35                           | 0.4                            | 0.8                                           | 0.4                            |
| Internal Power Supply                  | ●                              | ●                              | ●                              | ●                                             | ●                              |
| Height Adjustable Stand [mm]           | 50                             | 110                            | 110                            | 54                                            | 110                            |
| Other Ergonomics                       | Tilt                           | Tilt, Swivel, Rotate           | Tilt, Swivel, Rotate           | Tilt, Swivel, Flat,<br>10-Point Touch, Webcam | Tilt, Swivel, Rotate           |
| Bezel Width T - B / L - R [mm]         | 17.5 / 14.2                    | 15.8 / 13.9                    | 15.8 / 14.7                    | -                                             | 16.8 / 14.7                    |
| Dimensions with stand (W x H x D) [mm] | 368 x 358.5 x 230              | 503.5 x 383.3 x 213.9          | 507.8 x 364.5 x 213.9          | 561 x 362.8 x 249.7                           | 557.8 x 379.6 x 213.9          |
| Weight with stand [kg]                 | 4.2                            | 4.9                            | 5.9                            | 7.6                                           | 6.3                            |
| EPEAT™                                 | Silver                         | Silver                         | Silver                         | Gold                                          | Silver                         |
| TCO                                    | 6.0                            | 6.0                            | 6.0                            | 6.0                                           | 6.0                            |

|                                        | EA193Mi                        | EA223WM                        | EA224WMi                           | EA234WMi                           | EA244UHD                                                           |
|----------------------------------------|--------------------------------|--------------------------------|------------------------------------|------------------------------------|--------------------------------------------------------------------|
| Order Code                             | 60003586 (BK)<br>60003585 (WH) | 60003294 (BK)<br>60003293 (WH) | 60003336 (BK)<br>60003337 (WH)     | 60003588 (BK)<br>60003587 (WH)     | 60003683 (BK)<br>60003684 (WH)                                     |
| Panel Technology                       | IPS / W-LED                    | TN / W-LED                     | IPS / W-LED                        | IPS / W-LED                        | IPS / W-LED                                                        |
| Screen Size [inch / cm]                | 19.0 / 48.2                    | 22.0 / 55.9                    | 21.5 / 54.62                       | 23.0 / 58.42                       | 23.8 / 60.5                                                        |
| Aspect Ratio                           | 5:4                            | 16:10                          | 16:9                               | 16:9                               | 16:9                                                               |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 250                            | 250                            | 250                                | 250                                | 350                                                                |
| Contrast (typ.)                        | 1000:1                         | 1000:1                         | 1000:1                             | 1000:1                             | 1000:1                                                             |
| Viewing Angle Hor / Vert [°]           | 178 / 178                      | 170 / 160                      | 178 / 178                          | 178 / 178                          | 178 / 178                                                          |
| Response Time (typ. G to G) [ms]       | 6                              | 5                              | 6                                  | 6                                  | 5                                                                  |
| Colours [Mio.]                         | 16.77                          | 16.77                          | 16.77                              | 16.77                              | 1073                                                               |
| Resolution at 60 Hz                    | 1280 x 1024                    | 1680 x 1050                    | 1920 x 1080                        | 1920 x 1080                        | 3840 x 2160                                                        |
| Connectors                             | DisplayPort, DVI-D, VGA        | DisplayPort, DVI-D, USB, VGA   | DisplayPort, DVI-D, USB, HDMI, VGA | DVI-D, HDMI, USB, DisplayPort, VGA | 2x DVI-D (Single Link with HDCP); 2x DisplayPort; 2x HDMI, USB 3.0 |
| Power Use Max / ECO [W]                | 18 / 10                        | 25 / 12                        | 26 / 15                            | 27 / 16                            | 79 / 41                                                            |
| Power Saving Mode [W]                  | 0.35                           | 0.4                            | 0.43                               | 0.41                               | 0.33                                                               |
| Internal Power Supply                  | ●                              | ●                              | ●                                  | ●                                  | ●                                                                  |
| Height Adjustable Stand [mm]           | 110                            | 130                            | 130                                | 130                                | 130                                                                |
| Other Ergonomics                       | Tilt, Swivel, Rotate           | Tilt, Swivel, Rotate           | Tilt, Swivel, Rotate               | Tilt, Swivel, Rotate               | Tilt, Swivel, Rotate                                               |
| Bezel Width T - B / L - R [mm]         | 16.5 / 14.9                    | 15.8 / 13.9                    | 15.8 / 14.7                        | 16.4 / 16.0                        | 18.1 / 14.8                                                        |
| Dimensions with stand (W x H x D)      | 408.0 x 386.4 x 213.9          | 503.5 x 384.0 x 218.0          | 507.4 x 370.2 x 218.0              | 543.8 x 380.4 x 218.0              | 558.2 x 386.7 x 218.0                                              |
| Weight with stand [kg]                 | 5.9                            | 5.6                            | 6.0                                | 6.4                                | 7                                                                  |
| EPEAT™                                 | Silver                         | Silver                         | Gold                               | Gold                               | Gold                                                               |
| TCO                                    | 6.0                            | 5.2                            | 6.0                                | 6.0                                | 6.0                                                                |
| NaViSet                                | ●                              | ●                              | ●                                  | ●                                  | ●                                                                  |



### EA294WMi the power of two displays in one

This super wide 2560 x 1080 pixel display consumes 29% less power than dual 19 inch monitors with similar LCD panel technology. At the forefront of environmental design and social responsibility the EA294WMi also offers best in class image quality from wider viewing angles with its supersized IPS panel.

|                                        | EA244WMi                                       | EA273WMi                                       | EA275UHD                                           | EA294WMi                                       |
|----------------------------------------|------------------------------------------------|------------------------------------------------|----------------------------------------------------|------------------------------------------------|
| Order Code                             | 60003414 (BK)<br>60003409 (WH)                 | 60003608 (BK)<br>60003607 (WH)                 | 60003865 (BK)<br>60003867 (WH)                     | 60003417 (BK)<br>60003415 (WH)                 |
| Panel Technology                       | IPS / W-LED                                    | IPS / W-LED                                    | IPS                                                | IPS / W-LED                                    |
| Screen Size [inch / cm]                | 24.1 / 61.13                                   | 27.0 / 68.6                                    | 27.0 / 68.57                                       | 29.0 / 73.2                                    |
| Aspect Ratio                           | 16:10                                          | 16:9                                           | 16:9                                               | 21:9                                           |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 350                                            | 250                                            | 350                                                | 300                                            |
| Contrast (typ.)                        | 1000:1                                         | 1000:1                                         | 1000:1                                             | 1000:1                                         |
| Viewing Angle Hor / Vert [°]           | 178 / 178                                      | 178 / 178                                      | 178 / 178                                          | 178 / 178                                      |
| Response Time (typ. G to G) [ms]       | 6                                              | 6                                              | 5                                                  | 6                                              |
| Colours [Mio.]                         | 16.77                                          | 16.77                                          | 1064                                               | 16.77                                          |
| Resolution at 60 Hz                    | 1920 x 1200                                    | 1920 x 1080                                    | 3840 x 2160                                        | 2560 x 1080                                    |
| Connectors                             | DVI-D, HDMI (with HDCP), USB, DisplayPort, VGA | DVI-D, HDMI (with HDCP), USB, DisplayPort, VGA | DVI-D, HDMI (with HDCP), 4 x USB, DisplayPort, VGA | 2 x DVI-D, HDMI/MHL, USB, DisplayPort, 2 x VGA |
| Power Use Max / ECO [W]                | 29 / 16                                        | 31 / 16                                        | 49 / 28                                            | 50 / 28                                        |
| Power Saving Mode [W]                  | 0.47                                           | 0.48                                           | 0.37                                               | 0.8                                            |
| Internal Power Supply                  | ●                                              | ●                                              | ●                                                  | ●                                              |
| Height Adjustable Stand [mm]           | 130                                            | 130                                            | 130                                                | 130                                            |
| Other Ergonomics                       | Tilt, Swivel, Rotate                           | Tilt, Swivel, Rotate                           | Tilt, Swivel, Rotate                               | Tilt, Swivel, Rotate                           |
| Bezel Width T - B / L - R [mm]         | 16.8 / 17.9                                    | 19.6 / 19.6                                    | 18.1 / 14.8                                        | 18.0 / 15.5                                    |
| Dimensions with stand (W x H x D)      | 556.2 x 408.9 x 230                            | 639.3 x 417.9 x 230                            | 639.2 x 417.9 x 230.0                              | 705.8 x 410.4 x 230                            |
| Weight with stand [kg]                 | 7.5                                            | 8.7                                            | 9.1                                                | 9.6                                            |
| EPEAT™                                 | Gold                                           | Gold                                           | Gold                                               | Gold                                           |
| TCO                                    | 6.0                                            | 6.0                                            | 6.0                                                | 6.0                                            |
| NaViSet                                | ●                                              | ●                                              | ●                                                  | ●                                              |



### EA244UHD

NEC is ushering in a new era of visual experience with the MultiSync® EA244UHD.

The EA244UHD is a high performance IPS display with the latest 4K UHD (3840x2160) super resolution and accurate wide colour gamut capability.

Offering the very latest DisplayPort connectivity (UHD at 60Hz), as well as a range of DVI and HDMI inputs, this monitor can be used in many mission critical applications.

|                                        | P212*                                                    | P232W                                                | P242W                                                | PA242W-SV2                                        | PA272W-SV2                                                          | PA302W-SV2                                                          | PA322UHD-SV2                                                                    |
|----------------------------------------|----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Order Code                             | 60003862 (BK)                                            | 60003324 (BK)<br>60003323 (WH)                       | 60003419 (BK)<br>60003418 (WH)                       | 60003948 (BK)<br>60003947 (WH)                    | 60003949 (BK)                                                       | 60003950 (BK)                                                       | 60003685 (BK)                                                                   |
| Panel Technology                       | IPS                                                      | IPS / LED                                            | IPS / LED                                            | AH-IPS / GB-R LED<br>Backlight                    | AH-IPS / GB-R LED<br>Backlight                                      | AH-IPS / GB-R LED<br>Backlight                                      | IPS Type                                                                        |
| Screen Size [inch / cm]                | 21 / 53.34                                               | 23.0 / 58.4                                          | 24.1 / 61.1                                          | 24.1 / 61.1                                       | 27.0 / 68.5                                                         | 29.8 / 75.6                                                         | 31.5 / 80                                                                       |
| Aspect Ratio                           | 16:9                                                     | 16:9                                                 | 16:10                                                | 16:10                                             | 16:9                                                                | 16:10                                                               | 16:9                                                                            |
| Colour Gamut AdobeRGB / NTSC [%]       | 75                                                       | 76 / 72                                              | 75 / 72                                              | 109 / 99                                          | 109 / 99                                                            | 109 / 99                                                            | 101 / 99                                                                        |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 400                                                      | 250                                                  | 350                                                  | 340                                               | 340                                                                 | 340                                                                 | 350                                                                             |
| Contrast (typ.)                        | 1500:1                                                   | 1000:1                                               | 1000:1                                               | 1000:1                                            | 1000:1                                                              | 1000:1                                                              | 1000:1                                                                          |
| Viewing Angle Hor / Vert [°]           | 178 / 178                                                | 178 / 178                                            | 178 / 178                                            | 178 / 178                                         | 178 / 178                                                           | 178 / 178                                                           | 176 / 176                                                                       |
| Response Time (typ. G to G) [ms]       | 8                                                        | 8                                                    | 8                                                    | 8                                                 | 7                                                                   | 7                                                                   | 10                                                                              |
| Colours [Mio.]                         | 16.77                                                    | 16.77                                                | 16.77                                                | 1073                                              | 1073                                                                | 1073                                                                | 1074                                                                            |
| Resolution at 60 Hz                    | 1600 x 1200                                              | 1920 x 1080                                          | 1920 x 1200                                          | 1920 x 1200                                       | 2560 x 1440                                                         | 2560 x 1600                                                         | 3840 x 2160                                                                     |
| Connectors                             | DisplayPort, DVI-D,<br>3 x USB, VGA,<br>HDMI (with HDCP) | DisplayPort, DVI-D,<br>USB, VGA,<br>HDMI (with HDCP) | DisplayPort, DVI-D,<br>USB, VGA,<br>HDMI (with HDCP) | DisplayPort, DVI-D, USB,<br>VGA, HDMI (with HDCP) | DisplayPort, Mini Display-<br>Port, DVI-D, USB, HDMI<br>(with HDCP) | DisplayPort, Mini Display-<br>Port, DVI-D, USB, HDMI<br>(with HDCP) | OPS FF, 2 x DisplayPort,<br>2 x DVI-D, 4 x HDMI, USB<br>ver. 3.0 (3 down / 2up) |
| Power Use Max / ECO [W]                | tbd                                                      | 29 / 18                                              | 30 / 17                                              | 56 / 28                                           | 73 / 37                                                             | 87 / 47                                                             | 95 / 48                                                                         |
| Power Saving Mode [W]                  | tbd                                                      | 1                                                    | 1                                                    | 2                                                 | 1.4                                                                 | 1.4                                                                 | 5                                                                               |
| Internal Power Supply                  | •                                                        | •                                                    | •                                                    | •                                                 | •                                                                   | •                                                                   | •                                                                               |
| Height Adjustable Stand [mm]           | 150                                                      | 150                                                  | 150                                                  | 150                                               | 150                                                                 | 150                                                                 | 150                                                                             |
| Other Ergonomics                       | Tilt, Swivel, Rotate                                     | Tilt, Swivel, Rotate                                 | Tilt, Swivel, Rotate                                 | Tilt, Swivel, Rotate                              | Tilt, Swivel, Rotate                                                | Tilt, Swivel, Rotate                                                | Tilt, Swivel, Rotate                                                            |
| Bezel Width T - B / L - R [mm]         | tbd                                                      | 17.0 / 16.2                                          | 18.2 / 18.2                                          | 18.2 / 18.2                                       | 20.0 / 20.3                                                         | 22.0 / 22.4                                                         | 22.5 / 21.9                                                                     |
| Dimensions with stand (W x H x D)      | tbd                                                      | 543.6 x 337.4 x 227.6                                | 556.8 x 378.0 x 227.6                                | 556.8 x 378.0 x 227.6                             | 640.4 x 396.2 x 235.5                                               | 688.0 x 466.4 x 301.6                                               | 745 x 469 x 302                                                                 |
| Weight with stand [kg]                 | tbd                                                      | 9.2                                                  | 10.2                                                 | 10.6                                              | 12.9                                                                | 17.0                                                                | 20.5                                                                            |
| TCO                                    | -                                                        | 5.2                                                  | 6.0                                                  | 6.0                                               | -                                                                   | -                                                                   | -                                                                               |
| NaViSet Administrator 2                | •                                                        | •                                                    | •                                                    | •                                                 | •                                                                   | •                                                                   | •                                                                               |
| MultiProfiler Software                 | •                                                        | •                                                    | •                                                    | •                                                 | •                                                                   | •                                                                   | •                                                                               |
| SpectraView II                         | Optional                                                 | Optional                                             | Optional                                             | Optional                                          | Optional                                                            | Optional                                                            | •                                                                               |



## PA SERIES

HIGHEST PERFORMANCE  
10-BIT AH-IPS PANEL  
NEXT GENERATION INPUT

24" W | 27" W | 30" W | 32" W



## P SERIES

SUPERIOR PANELS  
HIGH RESOLUTION  
ADVANCED CONNECTIVITY  
DISPLAYPORT  
ERGONOMICS

21" | 23" W | 24" W

NEC offers a wide-range of healthcare solutions that can help establishments improve performance and diagnostic accuracy and streamline care delivery through sophisticated point-of-care communications systems.



### MD SERIES

The NEC MD Series of high end diagnostic displays ensure the highest level of image quality due to the very high brightness, uniformity, contrast and full DICOM Part 14 compliance.



|         |                         |                    |
|---------|-------------------------|--------------------|
| MD211G3 | 21", 3MP, Grayscale     | Medical Diagnostic |
| MD211G5 | 21", 5MP, Grayscale     | Mammography        |
| MD212G3 | 21", 3MP, Grayscale     | Medical Diagnostic |
| MD210C2 | 21", 2MP, Colour        | Medical Diagnostic |
| MD210C3 | 21", 3MP, Colour        | Medical Diagnostic |
| MD211C2 | 21", 2MP, Colour        | Medical Diagnostic |
| MD211C3 | 21", 3MP, Colour        | Medical Diagnostic |
| MD242C2 | 24", 2MP, Colour        | Medical Diagnostic |
| MD302C4 | 30" Wide, 4MP, Colour   | Medical Diagnostic |
| MD302C6 | 30" Wide, 6MP, Colour   | Medical Diagnostic |
| MD322C8 | 31.5" Wide, 8MP, Colour | Medical Diagnostic |

### MDVIEW

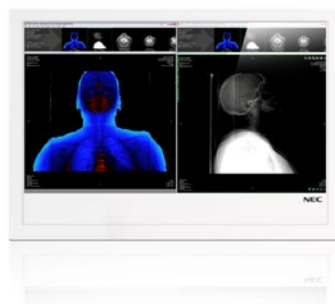
The NEC MDview Series are DICOM Preset colour displays which have been designed with both reliable quality and affordability in mind. Unique built-in firmware features (which you will not find in off-the-shelf or system-bundled LCDs) make MDview displays, which can be calibrated to the DICOM Grayscale Display Function using NEC's GammaCompMD QA software, ideal for all hospital-wide PACS referral/reviewing.



|            |                         |                |
|------------|-------------------------|----------------|
| MDview 232 | 23" Wide, 2.1MP, Colour | Medical Review |
| MDview 243 | 24" Wide, 2.3MP, Colour | Medical Review |
| MDview 272 | 27" Wide, 3.7MP, Colour | Medical Review |

### MD4620R

Of particular note is the new MD4620R, a large format operating room display with DICOM calibration, optional integrated single-board computer and full CEMDD compliance, bringing a much-needed digital display enhancement to the operating room.



|         |                      |                |
|---------|----------------------|----------------|
| MD4620R | 46" Large Format LCD | Operating Room |
|---------|----------------------|----------------|

For more detailed information please visit: [www.medical.nec-display-solutions.com](http://www.medical.nec-display-solutions.com)

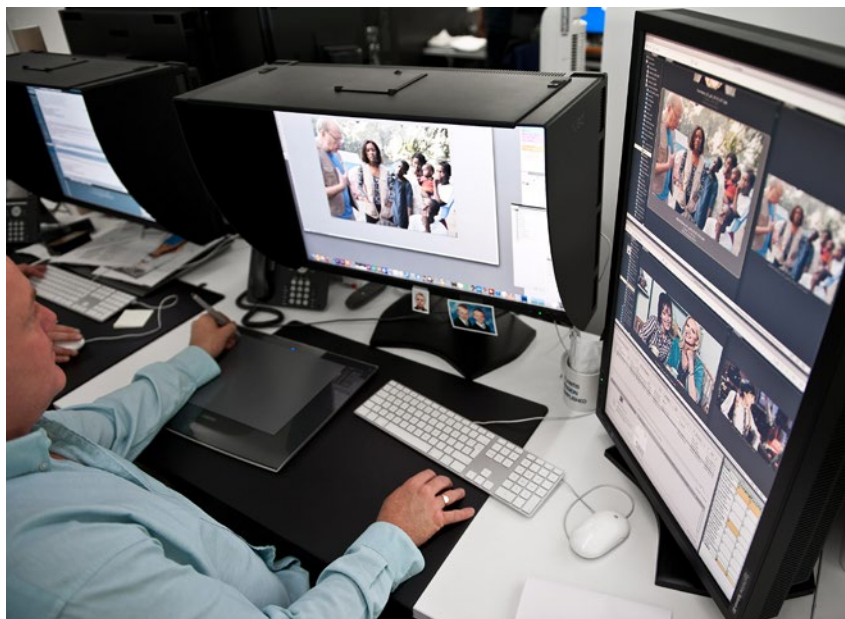
COLOUR CRITICAL DISPLAYS *SpectraView®*

The perfect choice for creative professionals. SpectraView® LCDs with the latest AH-IPS panel technology are hand-picked to meet the highest standards for professional applications.

Brilliant picture quality for accurate colour reproduction, precise calibration options with SpectraView® Profiler 5.0 software, Picture in Picture, Integrated USB hub, Backlight Ageing Correction, Wide Colour Gamut, 3D LUT Colour Space Emulation, integrated gamma correction and optimum ergonomics thanks to 150 mm height adjustment.

For more detailed information please visit:

[www.spectraview.nec-display-solutions.com](http://www.spectraview.nec-display-solutions.com)



|                                      | SV232                                          | SV Ref242                                      | SV Ref272                                                   | SV Ref302                                                   | SV Ref322UHD                                                        |
|--------------------------------------|------------------------------------------------|------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|
| Order Code                           | 60003161                                       | 60003543                                       | 60003545                                                    | 60003547                                                    | 60003686                                                            |
| Panel Technology                     | IPS / W-LED                                    | AH-IPS / G-BR LED                              | AH-IPS / G-BR LED                                           | AH-IPS / G-BR LED                                           | IPS Type                                                            |
| Screen Size [inch / cm]              | 23.0 / 58.4                                    | 24.1 / 61.1                                    | 27.0 / 68.5                                                 | 29.8 / 75.6                                                 | 31.5 / 80                                                           |
| Aspect Ratio                         | 16:9                                           | 16:10                                          | 16:9                                                        | 16:10                                                       | 16:9                                                                |
| Colour Gamut AdobeRGB / NTSC [%]     | 76 / 72                                        | 109 / 99                                       | 109 / 99                                                    | 109 / 99                                                    | 101 / 99                                                            |
| Brightness (typ.) [cd/m²]            | 270                                            | 340                                            | 340                                                         | 340                                                         | 350                                                                 |
| Contrast (typ.)                      | 1000:1                                         | 1000:1                                         | 1000:1                                                      | 1000:1                                                      | 1000:1                                                              |
| Hardware Calibration / Look Up Table | 42-bit Colour / 14-bit                         | 42-bit Colour / 14-bit                         | 42-bit Colour / 14-bit                                      | 42-bit Colour / 14-bit                                      | 42-bit Colour / 14-bit                                              |
| Response Time (typ. G to G) [ms]     | 8                                              | 8                                              | 7                                                           | 7                                                           | 10                                                                  |
| Colours [Mio.]                       | 16.77                                          | 1073                                           | 1073                                                        | 1073                                                        | 1074                                                                |
| Resolution at 60 Hz                  | 1920 x 1080                                    | 1920 x 1200                                    | 2560 x 1440                                                 | 2560 x 1600                                                 | 3840 x 2160                                                         |
| Connectors                           | DisplayPort, DVI-D, HDMI (with HDCP), VGA, USB | DisplayPort, DVI-D, HDMI (with HDCP), VGA, USB | DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI (with HDCP) | DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI (with HDCP) | OPS FF, DisplayPort, Mini DisplayPort, DVI-D, USB, HDMI (with HDCP) |
| Power Use Normal / ECO [W]           | 29 / 18                                        | 56 / 28                                        | 73 / 37                                                     | 87 / 47                                                     | 95 / 48                                                             |
| Power Saving Mode [W]                | 1                                              | 2                                              | 1.4                                                         | 1.4                                                         | 5                                                                   |
| Internal Power Supply                | •                                              | •                                              | •                                                           | •                                                           | •                                                                   |
| Height Adjustable Stand [mm]         | 150                                            | 150                                            | 150                                                         | 150                                                         | 150                                                                 |
| Other Ergonomics                     | Tilt, Swivel, Rotate                           | Tilt, Swivel, Rotate                           | Tilt, Swivel, Rotate                                        | Tilt, Swivel, Rotate                                        | Tilt, Swivel, Rotate                                                |
| Bezel Width T - B / L - R [mm]       | 17.0 / 16.2                                    | 18.2 / 18.2                                    | 20.0 / 20.3                                                 | 22.0 / 22.4                                                 | 21.9 / 22.5                                                         |
| Dimensions with stand (W x H x D)    | 543.6 x 338.0 x 227.6                          | 556.8 x 378.0 x 227.6                          | 640.4 x 396.2 x 235.5                                       | 688 x 466.4 x 301.6                                         | 745 x 469 x 302                                                     |
| Weight with stand [kg]               | 9.2                                            | 10.6                                           | 12.9                                                        | 18.0                                                        | 20.5                                                                |
| TCO                                  | •                                              | -                                              | -                                                           | -                                                           | -                                                                   |
| NaViSet Administrator 2              | •                                              | •                                              | •                                                           | •                                                           | •                                                                   |
| SpectraView Profiler Software        | •                                              | •                                              | •                                                           | •                                                           | •                                                                   |



ALL SV REFERENCE DISPLAYS INCLUDE A HOOD, PERFECT PIXEL WARRANTY, 5 YEARS WARRANTY, UNIFORMITY CERTIFICATION AND WELCOME KIT

GB LED

0  
PIXEL  
DEFECT  
\*SV Reference  
Models Only

3  
YEARS  
WARRANTY

5  
YEARS  
WARRANTY  
\*SV Reference  
Models Only



# LARGE FORMAT DISPLAYS



As a world leading name in Digital Signage, NEC displays are installed in some of the most challenging and highly visited locations and venues across the world. From 24/7 LED Backlit Displays for Performance Critical Applications to High Performance Value Ranges and Reference Options, NEC lead the market for Signage Solutions you can Trust.

UP TO  
**5**  
YEARS  
OPTIONAL  
WARRANTY

| ENTRY LEVEL                 |                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E SERIES                    | Ideal for cost efficient retail signage, conferencing and corporate installations up to 12/7 operation time.                                                                                   |
| VALUE                       |                                                                                                                                                                                                |
| V SERIES                    | Ideal for retail signage, conferencing applications and lobby or reception installations up to 24/7 operation time.                                                                            |
| PROFESSIONAL 24/7 REFERENCE |                                                                                                                                                                                                |
| P SERIES                    | Designed for a wide array of applications such as retail signage including 24/7, transport applications, control room applications and conference rooms.                                       |
| SPECIALIST 24/7 REFERENCE   |                                                                                                                                                                                                |
| X SERIES                    | Ideal for a wide array of applications such as retail signage including 24/7, transport applications, conference rooms, lobby/reception installations and integration in totems and furniture. |

For more detailed information please visit: [www.nec-display-solutions.com](http://www.nec-display-solutions.com)

## UPGRADE TO DYNAMIC DIGITAL SIGNAGE

The E Series commercial-grade displays are designed to bring NEC's heritage of performance and quality to the most cost-conscious customers. With screen sizes from 32 to 65 inch, the smaller sized E Series models E325, E425, E505 and E585 bring a comprehensive entry-level line-up of large format displays for each and every targeted application.

The larger sized display models E705, E805 and E905 are completely new to the E Series family, especially designed for the needs of corporate customers that rely on quality oriented solutions for their centers of productivity and collaboration. With screen sizes up to 90inch, the extended E Series line up of displays attract and inform and deliver the right canvas for any meeting room scenario.

## IDEAL FOR HOSPITALITY, EDUCATION, CORPORATE AND RETAIL SIGNAGE APPLICATIONS

- Comprehensive Full HD line up from 42" to 90".
- Lower power consumption, easy installation and massive savings over printed media solutions.
- More efficient, mercury free ECO design.
- Attractive sleek design with a slimmer profile that can be easily integrated into any environment.
- Integrated speakers and USB media player (32" to 58").
- 12/7 Performance for limited opening hour establishments such as banks, hotels and corporates.



### E SERIES

ENTRY GRADE  
AFFORDABLE QUALITY  
THIN BEZEL

32" | 42" | 50" | 58" | 65" | 70" | 80" | 90"



|                                         | E325                                            | E425                                            | E505                                            | E585                                            | E654                                            | E705                                                                              | E805                                                                              | E905                                                                              |
|-----------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Order Code                              | 60003725                                        | 60003484                                        | 60003727                                        | 60003728                                        | 60003487                                        | 60003928                                                                          | 60003929                                                                          | 60003930                                                                          |
| Panel Technology                        | S-PVA / Direct LED                              | S-PVA / Direct LED                              | S-PVA / Direct LED                              | S-PVA / Direct LED                              | VA / Direct LED                                 | UV² A / Edge LED                                                                  | UV² A / Edge LED                                                                  | UV² A / Direct LED                                                                |
| Screen Size [inch / cm]                 | 31.5 / 82                                       | 42 / 107                                        | 50 / 127                                        | 58 / 147                                        | 65 / 165                                        | 70 / 177                                                                          | 80 / 203                                                                          | 90 / 229                                                                          |
| Brightness (max.) [cd/m²]               | 300                                             | 300                                             | 300                                             | 350                                             | 350                                             | 400                                                                               | 350                                                                               | 350                                                                               |
| Contrast (typ.)                         | 3.000:1                                         | 3.000:1                                         | 3.000:1                                         | 4000:1                                          | 4.000:1                                         | 4000:1                                                                            | 5000:1                                                                            | 5000:1                                                                            |
| Viewing Angle horizontal / vertical [°] | 176 / 176                                       | 176 / 176                                       | 176 / 176                                       | 176 / 176                                       | 176 / 176                                       | 178/178                                                                           | 178/178                                                                           | 178/178                                                                           |
| Response Time (typ. G to G) [ms]        | 6.5                                             | 6.5                                             | 8.5                                             | 9.5                                             | 6.5                                             | 8                                                                                 | 4                                                                                 | 4                                                                                 |
| Haze Level (%)                          | 2                                               | 2                                               | 1                                               | 1                                               | 2                                               | 5                                                                                 | 5                                                                                 | 5                                                                                 |
| Supported orientation                   | Landscape                                       | Landscape                                       | Landscape                                       | Landscape                                       | Landscape                                       | Landscape                                                                         | Landscape                                                                         | Landscape                                                                         |
| Native Resolution                       | 1366 x 768                                      | 1920 x 1080                                     | 1920 x 1080                                     | 1920 x 1080                                     | 1920 x 1080                                     | 1920 x 1080                                                                       | 1920 x 1080                                                                       | 1920 x 1080                                                                       |
| Special Connectors                      | 3 x HDMI (with HDCP), VGA, Component, Composite | 3 x HDMI (with HDCP), VGA, Component, Composite | 3 x HDMI (with HDCP), VGA, Component, Composite | 3 x HDMI (with HDCP), VGA, Component, Composite | 3 x HDMI (with HDCP), VGA, Component, Composite | 2 x HDMI (with HDCP), 1 x DisplayPort (with HDCP), 1 x DVI-D (with HDCP), 1 x VGA | 2 x HDMI (with HDCP), 1 x DisplayPort (with HDCP), 1 x DVI-D (with HDCP), 1 x VGA | 2 x HDMI (with HDCP), 1 x DisplayPort (with HDCP), 1 x DVI-D (with HDCP), 1 x VGA |
| Power Consumption [W]                   | 36                                              | 67                                              | 85                                              | 136                                             | 195                                             | 150                                                                               | 230                                                                               | 270                                                                               |
| Power Savings Mode [W]                  | <0.5                                            | <0.5                                            | <0.5                                            | <0.5                                            | <1                                              | <0.5                                                                              | <0.5                                                                              | <1                                                                                |
| Dimensions (W x H x D) [mm]             | 727 x 424 x 77                                  | 960 x 555 x 77                                  | 1,123 x 646 x 77                                | 1,301 x 759 x 109                               | 1,467 x 872 x 100 (72)                          | 1,587 x 920 x 87                                                                  | 1,836 x 1,061 x 87                                                                | 2,058 x 1,184 x 123                                                               |
| Weight [kg]                             | 4.9                                             | 10.1                                            | 11.9                                            | 21                                              | 30                                              | 47                                                                                | 61                                                                                | 81                                                                                |
| Bezel Width B / T - L - R [mm]          | 16.1 / 11.9                                     | 14.9 / 11.9                                     | 14.9 / 11.9                                     | 20.3 / 13.8                                     | 47.7 / 18.9                                     | 23 / 23                                                                           | 29.7 / 29.7                                                                       | 29.7 / 29.7                                                                       |
| Integrated Speakers                     | 2 x 5 W                                         | 2 x 10 W                                        | 2 x 10 W                                        | 2 x 10 W                                        | 2 x 10 W                                        | 2 x 10 W                                                                          | 2 x 10 W                                                                          | 2 x 10 W                                                                          |
| NaViSet Administrator 2                 | -                                               | -                                               | -                                               | -                                               | -                                               | ●                                                                                 | ●                                                                                 | ●                                                                                 |

## MAXIMUM MESSAGE. MINIMUM EXPENSE.

If you are looking to transform your restaurant, shop or business with the added presence and revenue that Digital Signage offers, the V Series by NEC provides professional performance you can trust at a surprisingly affordable price. Benefit from the extra attention and sales these outstanding Full HD displays can bring while operating over longer lifecycles.

It is over 10 years since NEC introduced Large Format LCD displays to the market. Since then they have become a proven technology that helps businesses attract, inform, entertain and even guide customers through a purchasing or informative process. The V Series models combine commercial grade panels with LED backlighting, delivering optimum image quality with impressively low power consumption. The metal chassis and superior build quality guarantee the first class performance you associate with NEC products.

The programmable Ambient Light Sensor ensures the display delivers excellent TCO with less harm to the environment.

## IDEAL FOR RETAIL, QSR, BARS, CONFERENCING AND OFFICES

- Affordable, Commercial Grade, 24/7 Performance with Metal Chassis for Improved Reliability.
- Covering a wide range from 32" up to 80".
- NaViSet Administrator 2 software included for monitoring and controlling NEC displays.
- Expansion Ready with the Latest OPS Integration Slot as Standard.
- Strong Ecological Features with LED Backlighting, Ambient Light Sensor, ECO Modes and Scheduling for lower TCO and Longer Lifecycles.



## V SERIES

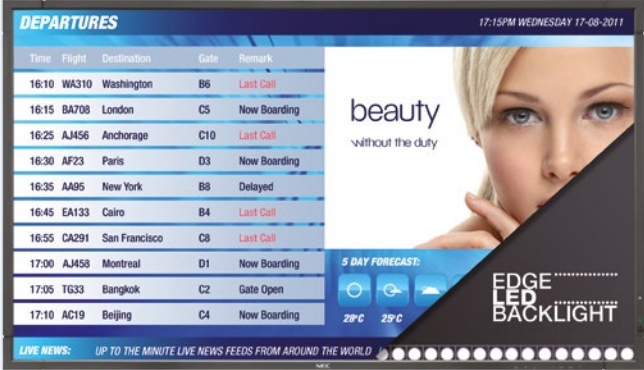
COMMERCIAL GRADE  
AFFORDABLE QUALITY  
DISPLAYPORT, HDMI  
FULL HD MODELS

32" | 42" | 46" | 55" | 65" | 80"



|                                            | V323-2                                                 | V423                                                   | V463                                                   | V552                                                   | V652                                                   | V801                                                   | V423-DRD                                               | V463-DRD                                               | V552-DRD                                               |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Order Code                                 | 60003849                                               | 60003397                                               | 60003394                                               | 60003396                                               | 60003395                                               | 60003482                                               | 60003992                                               | 60003993                                               | 60003994                                               |
| Panel Technology                           | S-IPS / Edge LED                                       | S-IPS / Edge LED                                       | AMVA3 / Edge LED                                       | AMVA3 / Edge LED                                       | AMVA3 / Edge LED                                       | UV <sup>2</sup> A / Edge LED                           | S-IPS / Edge LED                                       | AMVA3 / Edge LED                                       | AMVA3 / Edge LED                                       |
| Screen Size [inch / cm]                    | 32 / 80                                                | 42 / 106.68                                            | 46 / 117                                               | 54.5 / 138.8                                           | 64.5 / 164                                             | 80 / 203.2                                             | 42 / 106.68                                            | 46 / 117                                               | 54.5 / 138.8                                           |
| Brightness (max.) [cd/m <sup>2</sup> ]     | 450                                                    | 450                                                    | 500                                                    | 450                                                    | 450                                                    | 460                                                    | 450                                                    | 500                                                    | 450                                                    |
| Contrast (typ.)                            | 1300:1                                                 | 1300:1                                                 | 4000:1                                                 | 4000:1                                                 | 4000:1                                                 | 5000:1                                                 | 1300:1                                                 | 4000:1                                                 | 4000:1                                                 |
| Viewing Angle<br>horizontal / vertical [°] | 178 / 178                                              | 178 / 178                                              | 178 / 178                                              | 178 / 178                                              | 178 / 178                                              | 176 / 176                                              | 178 / 178                                              | 178 / 178                                              | 178 / 178                                              |
| Response Time<br>(typ. G to G) [ms]        | 8*                                                     | 12                                                     | 6.5                                                    | 6.5                                                    | 8                                                      | 6                                                      | 12                                                     | 6.5                                                    | 6.5                                                    |
| Haze Level (%)                             | 1                                                      | 10                                                     | 11                                                     | 11                                                     | 11                                                     | 5                                                      | 10                                                     | 11                                                     | 11                                                     |
| Supported orientation                      | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 | Landscape,<br>Portrait                                 |
| Native Resolution                          | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            | 1920 x 1080                                            |
| Special Connectors                         | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA | DVI-D In/Out,<br>HDMI (with HDCP),<br>DisplayPort, VGA |
| Slot-In Option                             | OPS                                                    | OPS                                                    | OPS                                                    | OPS                                                    | OPS                                                    | OPS                                                    | Integrated OPS Digital Signage Player                  |                                                        |                                                        |
| Power Consumption [W]                      | 37                                                     | 60                                                     | 43                                                     | 57                                                     | 95                                                     | 119                                                    | 60                                                     | 43                                                     | 57                                                     |
| Power Savings Mode [W]                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     | <1                                                     |
| Dimensions (W x H x D) [mm]                | 750 x 444 x 60                                         | 972.5 x 565.4<br>x 68.3                                | 1058.2 x 612.8<br>x 65.1                               | 1249.7 x 720.5<br>x 63.5                               | 1540.4 x 909.2<br>x 88.3                               | 1836.2 x 1061.3<br>x 86.2                              | 972.5 x 565.4<br>x 68.3                                | 1058.2 x 612.8<br>x 65.1                               | 1249.7 x 720.5<br>x 63.5                               |
| Weight [kg]                                | 9                                                      | 16.8                                                   | 18.9                                                   | 26.5                                                   | 52.0                                                   | 60                                                     | 16.8                                                   | 18.9                                                   | 26.5                                                   |
| Bezel Width T - B / L - R [mm]             | 24.0 / 24.0                                            | 18.3 / 18.3                                            | 18.3 / 18.3                                            | 18.3 / 18.3                                            | 50.5 / 53.5                                            | 29.7 / 29.7                                            | 18.3 / 18.3                                            | 18.3 / 18.3                                            | 18.3 / 18.3                                            |
| Integrated Speakers                        | 2 x 8 W                                                | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               | 2 x 10 W                                               |
| NaViSet Administrator 2                    | •                                                      | •                                                      | •                                                      | •                                                      | •                                                      | •                                                      | •                                                      | •                                                      | •                                                      |

\* With overdrive



**P SERIES**

24/7 REFERENCE PERFORMANCE  
NFC CHIP INTEGRATED  
ADVANCED HEAT MANAGEMENT

40" | 46" | 55" | 70" | 80"

## PROFESSIONAL LARGE FORMAT DISPLAYS

The MultiSync® P Series featuring, 40 up to 80" in size provide a first class solution for digital signage and information distribution application.

New Connectivity and Sensors allow additional creativity in the content displayed and how it is controlled. The unique built-in NFC sensor in combination with NEC's new Android app reduces installation and maintenance times, especially useful on larger installations. The Human Sensor is aware of proximity based viewer presence and can change brightness, volume, inputs or power the display up or down resulting in added engagement and considerable energy savings over time.

**IDEAL FOR AIRPORTS, PUBLIC INFORMATION AREAS, RETAIL AND OTHER PLACES THAT REQUIRE A COMBINATION OF DAZZLING IMAGES AND THE HIGHEST LEVEL OF DISPLAY MANAGEMENT.**

- Professional Grade Performance with NEC Professional Advanced Heat Management.
- High Brightness up to 700cd/m² for longer life
- High Accuracy, Full HD image with Professional S-PVA Panel
- Full Functionality and Connectivity including HDMI and DisplayPort
- Expansion Slot for Pre or Post Installation Upgradability
- Certified for Landscape and Portrait Operation



|                                  | P403                                    | P463                                    | P553                                    | P703                                    | P801                                    |
|----------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Order Code                       | 60003477                                | 60003478                                | 60003479                                | 60003480                                | 60003481                                |
| Panel Technology                 | S-PVA with Edge LED backlights          | S-PVA with Edge LED backlights          | S-PVA with Edge LED backlights          | UV² A with Edge LED backlight           | UV² A with Edge LED backlight           |
| Screen Size [inch / cm]          | 40 / 102                                | 46 / 117                                | 55 / 139                                | 70 / 177                                | 80 / 203                                |
| Brightness (max.) [cd/m²]        | 700                                     | 700                                     | 700                                     | 700                                     | 700                                     |
| Contrast (typ.)                  | 4000:1                                  | 4000:1                                  | 4000:1                                  | 5000:1                                  | 5000:1                                  |
| Viewing Angle Hor / Ver [°]      | 178 / 178                               | 178 / 178                               | 178 / 178                               | 178 / 178                               | 178 / 178                               |
| Response Time (typ. G to G) [ms] | 8                                       | 8                                       | 8                                       | 8                                       | 4                                       |
| Haze Level (%)                   | 44                                      | 44                                      | 44                                      | 5                                       | 5                                       |
| Supported Orientation            | Landscape, Portrait, Face Up, Face Down | Landscape, Portrait, Face Up, Face Down | Landscape, Portrait, Face Up, Face Down | Landscape, Portrait, Face Up, Face Down | Landscape, Portrait, Face Up, Face Down |
| Native Resolution                | 1920 x 1080                             | 1920 x 1080                             | 1920 x 1080                             | 1920 x 1080                             | 1920 x 1080                             |
| Special Connectors               | DVI-D, HDMI, DisplayPort In/Out, 2x LAN | DVI-D, HDMI, DisplayPort In/Out, 2x LAN | DVI-D, HDMI, DisplayPort In/Out, 2x LAN | DVI-D, HDMI, DisplayPort In/Out, 2x LAN | DVI-D, HDMI, DisplayPort In/Out, 2x LAN |
| Slot-In Option                   | OPS, Interface Extension Slot           | OPS, Interface Extension Slot           | OPS, Interface Extension Slot           | OPS, Interface Extension Slot           | OPS, Interface Extension Slot           |
| Power Consumption ECO [W]        | 58                                      | 57                                      | 78                                      | 67                                      | 99                                      |
| Power Savings Mode [W]           | < 1                                     | < 1                                     | < 1                                     | < 1                                     | < 1                                     |
| Dimensions (W x H x D) [mm]      | 920.6 x 532.2 x 66.5                    | 1,055.4 x 608.6 x 64.5                  | 1,250.2 x 721 x 64.5                    | 1,587 x 919.6 x 86.9                    | 1,836.2 x 1,061.3 x 86.9                |
| Weight [kg]                      | 17.0                                    | 21.4                                    | 25.3                                    | 47.0                                    | 61.5                                    |
| Bezel Width T - B / L - R [mm]   | 15.5                                    | 16.5                                    | 18.5                                    | 23.0                                    | 29.7                                    |
| Integrated Speakers              | 2 x 10 W                                | 2 x 10 W                                | 2 x 10 W                                | 2 x 10 W                                | 2 x 10 W                                |
| NaViSet Administrator 2          | ●                                       | ●                                       | ●                                       | ●                                       | ●                                       |

## CREATING BIG PICTURES FOR BIG MOMENTS

No matter what the requirement, NEC has the right videowall solution to fit virtually any application. Adaptable, scalable and modular, NEC offers unlimited creativity in capturing attention, engaging and delivering a compelling videowall experience. Trusted NEC quality is the professional choice for display technology and can provide the complete videowall solution from preconfiguration and mounting solutions to content management and after sales support.

With hardware calibratable displays, super low reflection panels and direct backlight technology, the new MultiSync®XUN Series delivers outstanding uniformity. Innovative sensor control features offer significant time and cost savings against installation, maintenance and servicing.

#### IDEAL FOR DIGITAL SIGNAGE, RENTAL AND STAGING, QSR, TRANSPORTATION, LEISURE AND MUSEUMS, ENERGY AND UTILITY AND HEALTHCARE

- Homogenous picture through virtually bezel-less videowalls with small as 3.5 mm bezel \*
- Perfect image quality through high brightness panels (700 cd/m<sup>2</sup>) \*
- Customized and flexible screen setting for high impact advertising, control room displays, menu boards, FIDS and all large or unusual screen sizes.
- Reliable and secure for mission critical application thanks to 24/7 performance \*
- Complete videowall solution thanks to a variety of mounts, sources, slot-in PCs, software and other services.

\* Depending on model



## XUN SERIES

VALUE AND REFERENCE MODELS  
24/7 TRUSTED PERFORMANCE  
NEC FRAMECOMP TECHNOLOGY

46" | 55"

|                                        | X464UNV-2                                        | X464UN-2                      | X464UNS                       | X554UNV                       | X554UN-2                      | X554UNS                       |
|----------------------------------------|--------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Order Code                             | 60003791                                         | 60003790                      | 60003722                      | 60003723                      | 60003789                      | 60003673                      |
| Panel Technology                       | S-PVA / Direct LED                               | S-PVA / Direct LED            | S-PVA / Direct LED            | S-PVA / Direct LED            | S-PVA / Direct LED            | S-PVA / Direct LED            |
| Screen Size [inch / cm]                | 46 / 117                                         | 46 / 117                      | 46 / 117                      | 55 / 139                      | 55 / 139                      | 55 / 139                      |
| Brightness (Max.) [cd/m <sup>2</sup> ] | 500                                              | 700                           | 700                           | 500                           | 700                           | 700                           |
| Contrast (typ.)                        | 3500:1                                           | 3500:1                        | 3500:1                        | 3500:1                        | 3500:1                        | 3500:1                        |
| Viewing Angle Hor / Vert [°]           | 178 / 178                                        | 178 / 178                     | 178 / 178                     | 178 / 178                     | 178 / 178                     | 178 / 178                     |
| Response Time (typ. G to G) [ms]       | 8                                                | 8                             | 8                             | 8                             | 8                             | 8                             |
| Haze Level (%)                         | 44                                               | 44                            | 44                            | 44                            | 44                            | 44                            |
| Supported Orientation                  | Landscape, Portrait, Face Up                     |                               |                               |                               |                               |                               |
| Native Resolution                      | 1920 x 1080                                      | 1920 x 1080                   | 1920 x 1080                   | 1920 x 1080                   | 1920 x 1080                   | 1920 x 1080                   |
| Special Connectors                     | DVI-D, HDMI (with HDCP), DisplayPort In/Out, VGA |                               |                               |                               |                               |                               |
| Slot-In Option                         | OPS, Interface Extension Slot                    | OPS, Interface Extension Slot | OPS, Interface Extension Slot | OPS, Interface Extension Slot | OPS, Interface Extension Slot | OPS, Interface Extension Slot |
| Power Consumption [W]                  | 115                                              | 150                           | 150                           | 170                           | 195                           | 195                           |
| Power Use Savings Mode [W]             | <1                                               | <1                            | <1                            | <1                            | <1                            | <1                            |
| Dimensions (W x H x D) [mm]            | 1,024 x 578.6 x 117.3                            | 1,024 x 578.6 x 99.7          | 1,022 x 576.6 x 101.3         | 1,213.5 x 684.3 x 100.4       | 1,215.3 x 686.1 x 99.6        | 1,213.5 x 684.3 x 100.4       |
| Weight [kg]                            | 24.3                                             | 23.0                          | 20.4                          | 25.9                          | 29.2                          | 27.9                          |
| Bezel Width T - B / L - R [mm]         | 3.8 / 1.8**                                      | 3.7 / 1.8 **                  | 2.3 / 1.2                     | 2.3 / 1.2                     | 3.7 / 1.8 **                  | 2.3 / 1.2 **                  |
| Integrated Speakers                    | -                                                | -                             | -                             | -                             | -                             | -                             |
| NaViSet Administrator 2                | ●                                                | ●                             | ●                             | ●                             | ●                             | ●                             |

\*\* Dimension may vary due to manufacturing tolerances

|                                        | <b>X651UHD</b>                       | <b>X841UHD</b>                       | <b>X981UHD</b>                       |
|----------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Order Code                             | 60003676                             | 60003675                             | 60003721                             |
| Panel Technology                       | S-IPS / Edge LED                     | S-IPS / Edge LED                     | S-IPS / Direct LED                   |
| Screen Size [inch / cm]                | 65 / 164                             | 84 / 214                             | 98 / 249                             |
| Brightness (Max.) [cd/m <sup>2</sup> ] | 450                                  | 500                                  | 500                                  |
| Contrast (typ.)                        | 1300:1                               | 1400:1                               | 1300:1                               |
| Viewing Angle Hor / Vert [°]           | 178 / 178                            | 178 / 178                            | 178 / 178                            |
| Response Time (typ. G to G) [ms]       | 8                                    | 12                                   | 8                                    |
| Haze Level (%)                         | 10                                   | 10                                   | 1                                    |
| Supported Orientation                  | Landscape, Portrait, Face Up         | Landscape, Portrait, Face Up         | Landscape, Portrait, Face Up         |
| Native Resolution                      | 3840 x 2160                          | 3840 x 2160                          | 3840 x 2160                          |
| Special Connectors                     | DVI-D, HDMI (with HDCP), DisplayPort | DVI-D, HDMI (with HDCP), DisplayPort | DVI-D, HDMI (with HDCP), DisplayPort |
| Slot-In Option                         | OPS                                  | OPS                                  | OPS                                  |
| Power Consumption [W]                  | 200                                  | 500                                  | 560                                  |
| Power Use Savings Mode [W]             | <1                                   | <1                                   | <1                                   |
| Dimensions (W x H x D) [mm]            | 1,468 x 879 x 87                     | 1,931 x 1,117 x 85                   | 2,204 x 1,259 x 108                  |
| Weight [kg]                            | 41                                   | 70                                   | 95                                   |
| Bezel Width T - B / L - R [mm]         | 19                                   | 32.6                                 | 19.9                                 |
| Integrated Speakers                    | 2 x 10 W                             | 2 x 10 W                             | 2 x 10 W                             |
| NaViSet Administrator 2                | •                                    | •                                    | •                                    |

## XUHD SERIES

NEC is ushering in a new era of visual experience with the MultiSync® XUHD Series. Loaded with innovative features and high end components, the UHD models deliver a complete package for all kinds of demanding professional Applications.

**IDEAL FOR ANY HEAVY DUTY APPLICATION FROM CONTROL ROOMS TO CAD/CAM, FROM MEDICAL REVIEW TO PROFESSIONAL CONFERENCING, FROM CREATIVE MULTIMEDIA DESIGN TO LIFE SIZE DIGITAL SIGNAGE**

Visit [www.4kuhd-nec.com](http://www.4kuhd-nec.com) for more information



## XUHD SERIES

STUNNING "PIXEL-FREE" ERGONOMIC VIEWING  
MISSION-CRITICAL 24/7 READY OPERATION  
ENHANCED IMAGING PERFORMANCE

65" | 84" | 98"

|                                        | <b>X401S</b>                                      | <b>X462S</b>                                      | <b>X552S</b>                                      | <b>X474HB</b>                                |
|----------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|----------------------------------------------|
| Order Code                             | 60003327                                          | 60003399                                          | 60003329                                          | 60003674                                     |
| Panel Technology                       | S-PVA / Edge LED                                  | S-PVA / Edge LED                                  | S-PVA / Edge LED                                  | S-IPS / Direct LED                           |
| Screen Size [inch / cm]                | 40 / 102                                          | 46 / 117                                          | 55 / 139                                          | 47 / 119                                     |
| Brightness (Max.) [cd/m <sup>2</sup> ] | 700                                               | 700                                               | 700                                               | 2000                                         |
| Contrast (typ.)                        | 3500:1                                            | 4000:1                                            | 4000:1                                            | 1300:1                                       |
| Viewing Angle Hor / Vert [°]           | 178 / 178                                         | 178 / 178                                         | 178 / 178                                         | 178 / 178                                    |
| Response Time (typ. G to G) [ms]       | 8                                                 | 8                                                 | 8                                                 | 10                                           |
| Haze Level (%)                         | 44                                                | 44                                                | 44                                                | 2                                            |
| Supported Orientation                  | Landscape, Portrait, Face Up                      | Landscape, Portrait, Face Up                      | Landscape, Portrait, Face Up                      | Landscape, Portrait                          |
| Native Resolution                      | 1920 x 1080                                       | 1920 x 1080                                       | 1920 x 1080                                       | 1920 x 1080                                  |
| Special Connectors                     | DVI-D In/Out, HDMI (with HDCP), Display-Port, VGA | DVI-D In/Out, HDMI (with HDCP), Display-Port, VGA | DVI-D In/Out, HDMI (with HDCP), Display-Port, VGA | DVI-D In/Out, HDMI (with HDCP), Display-Port |
| Slot-In Option                         | OPS                                               | OPS                                               | OPS                                               | OPS, Interface Extension Slot                |
| Power Consumption [W]                  | 140                                               | 160                                               | 205                                               | 260                                          |
| Power Use Savings Mode [W]             | <1                                                | <1                                                | <1                                                | <1                                           |
| Dimensions (W x H x D) [mm]            | 925.1 x 537.1 x 43.3                              | 1,059.3 x 613 x 46.1                              | 1,254.5 x 725.3 x 46.1                            | 1,084 x 628 x 147                            |
| Weight [kg]                            | 14.9                                              | 20.7                                              | 24.5                                              | 26.9                                         |
| Bezel Width T - B / L - R [mm]         | 18.0                                              | 18.7                                              | 20.5                                              | 19.3                                         |
| Integrated Speakers                    | 2 x 5 W                                           | 2 x 5 W                                           | 2 x 5 W                                           | 2 x 10 W                                     |
| NaViSet Administrator 2                | •                                                 | •                                                 | •                                                 | •                                            |

## XS SERIES

The superslim MultiSync® XS Series delivers the longevity and reliability customers expect from a Large Format Display thanks to a professional display panel and proven NEC engineering excellence. The reduced depth and light weight makes it easy to handle and integrate.

**IDEAL FOR A WIDE ARRAY OF APPLICATIONS SUCH AS RETAIL SIGNAGE, TRANSPORT APPLICATIONS, CONFERENCE ROOMS, LOBBY/RECEPTION INSTALLATIONS AND INTEGRATION IN TOTEMS AND FURNITURE.**

## XHB SERIES

The MultiSync® X474HB delivers what is needed in high brightness environments. It is designed to be installed in shopping windows or in cabinets for outdoor applications offering a brightness of 2000cd/m<sup>2</sup>.

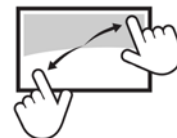
**IDEAL FOR ANY HEAVY DUTY DIGITAL SIGNAGE APPLICATION THAT REQUIRES EXTREMELY HIGH BRIGHTNESS LEVELS AND SUNLIGHT PROOF OPERATION.**

## MULTI-TOUCH SERIES

Based on the latest touch technology the displays deliver true multi-touch support with fast response times and a high level of accuracy. All NEC interactive displays are plug & play, without the need to install any external driver software.

Thanks to an anti-reflective coating, reflections are reduced to a minimum which significantly increases the readability of the content shown.

**IDEAL FOR ANY KIND OF INTERACTIVE RETAIL SIGNAGE, WAYFINDING AND KIOSK APPLICATIONS AS WELL AS FOR INTERACTIVE WHITEBOARD USAGE IN MEETING ROOMS AND CLASS ROOMS.**



|                             | MULTI-TOUCH                                                |                     |                                     |                  |                  |                   |                     |
|-----------------------------|------------------------------------------------------------|---------------------|-------------------------------------|------------------|------------------|-------------------|---------------------|
| MultiSync® Model            | E705 SST                                                   | E805 SST            | V423 TM                             | V463 TM          | V552 TM          | V652 TM           | V801 TM             |
| Order Code                  | 60003922                                                   | 60003923            | 60003550                            | 60003551         | 60003678         | 60003553          | 60003679            |
| Supported Orientation       | Landscape                                                  |                     | Landscape; Portrait                 |                  |                  |                   |                     |
| Base Model                  | E705                                                       | E805                | V423                                | V463             | V552 TM          | V652              | V801TM              |
|                             | All specs same as base model except for those listed below |                     |                                     |                  |                  |                   |                     |
| Haze Level                  | 5                                                          | 5                   | 10                                  | 11               | 11               | 11                | 5                   |
| Brightness (max.)           | 430                                                        | 430                 | 430                                 | 480              | 430              | 450               | 460                 |
| Power Consumption [W]       | 168                                                        | 248                 | 67                                  | 49               | 56               | 106               | 133                 |
| Dimensions (W x H x D) [mm] | 1,657 x 968 x 105.5                                        | 1,878 x 1,097 x 104 | 1,008 x 601 x 83                    | 1,095 x 650 x 80 | 1,294 x 765 x 86 | 1,540 x 909 x 102 | 1,842 x 1,067 x 107 |
| Weight [kg]                 | 70                                                         | 85                  | 24.7                                | 27.7             | 40.8             | 68.3              | 79.9                |
| Bezel Width T-B / L-R (mm)  | 33.0 / 41.0                                                | 40.0 / 40.0         | 32.0 / 32.0                         | 32.8 / 32.8      | 41.4 / 41.4      | 50.5 / 53.5       | 34.8 / 34.8         |
| Touch technology            | ShadowSense™                                               |                     | Optical Camera                      |                  | Infrared         | Optical Camera    | Infrared            |
| Protection Glass            | 5mm                                                        | 5mm                 | 4mm                                 | 4mm              | 4mm              | 5mm               | 3mm                 |
| Coating                     | Single sided anti-reflective coated (anti-glare)           |                     | Double sided anti-reflective coated |                  |                  |                   |                     |
| Touch Points                | up to 6                                                    |                     | up to 5                             |                  | up to 6          | up to 5           | up to 6             |
| Input Method                | Finger, Stylus, Glove                                      |                     |                                     |                  |                  |                   |                     |
| Light Transmission [%]      | 92                                                         | 92                  | 96                                  | 96               | 96               | 96                | 96                  |
| Reflection [%]              | 2                                                          | 2                   | 2                                   | 2                | 2                | 2                 | 2                   |

|                             | MULTI-TOUCH                                                |                  |                  |                   |                     |                     |                     |
|-----------------------------|------------------------------------------------------------|------------------|------------------|-------------------|---------------------|---------------------|---------------------|
| MultiSync® Model            | P403 SST                                                   | P463 SST         | P553 SST         | P703 SST          | P801 SST            | X841UHD SST         | X981UHD SST*        |
| Order Code                  | 60003767                                                   | 60003768         | 60003769         | 60003770          | 60003766            | 60003881            | 60003982            |
| Supported Orientation       | Face Up; Landscape; Portrait                               |                  |                  |                   |                     |                     |                     |
| Base Model                  | P403                                                       | P463             | P553             | P703              | P801                | X841UHD             | X981UHD             |
|                             | All specs same as base model except for those listed below |                  |                  |                   |                     |                     |                     |
| Haze Level                  | 5                                                          | 44               | 44               | 5                 | 5                   | 10                  | 1                   |
| Brightness (max.)           | 700                                                        | 700              | 700              | 700               | 700                 | 500                 | 500                 |
| Power Consumption [W]       | 153                                                        | 168              | 218              | 228               | 338                 | 518                 | 578                 |
| Dimensions (W x H x D) [mm] | 968 x 587 x 82                                             | 1,106 x 660 x 82 | 1,328 x 789 x 79 | 1,657 x 968 x 105 | 1,878 x 1,097 x 104 | 2,000 x 1,194 x 105 | 2,276 x 1,329 x 123 |
| Weight [kg]                 | 24.0                                                       | 32.0             | 37.0             | 70                | 85                  | 110                 | 150                 |
| Bezel Width T-B / L-R (mm)  | 39.0 / 39.0                                                | 40.0 / 40.0      | 40.0 / 40.0      | 40.0 / 40.0       | 40.0 / 40.0         | 41.0 / 41.0         | 45 / 45             |
| Touch technology            | ShadowSense™                                               |                  |                  |                   |                     |                     |                     |
| Protection Glass            | 3mm                                                        | 3mm              | 4mm              | 5mm               | 5mm                 | 5mm                 | 5mm                 |
| Coating                     | Single sided anti-reflective coated (anti-glare)           |                  |                  |                   |                     |                     |                     |
| Touch Points                | up to 6                                                    |                  |                  |                   |                     |                     |                     |
| Input Method                | Finger, Stylus, Glove                                      |                  |                  |                   |                     |                     |                     |
| Light Transmission [%]      | 92                                                         | 92               | 92               | 92                | 92                  | 92                  | 92                  |
| Reflection [%]              | 2                                                          | 2                | 2                | 2                 | 2                   | 2                   | 2                   |

\* Specification subject to change until launch

## PROTECTIVE GLASS SERIES

The protection glass displays follow the tradition of NEC's professional large format displays. The high quality Conturan® glass of Schott ensures reduced reflection and high light transmission for an unrestricted view of display content.

The additional protective glass ensures maximum investment security, as it protects the display panel against knocks and blows.

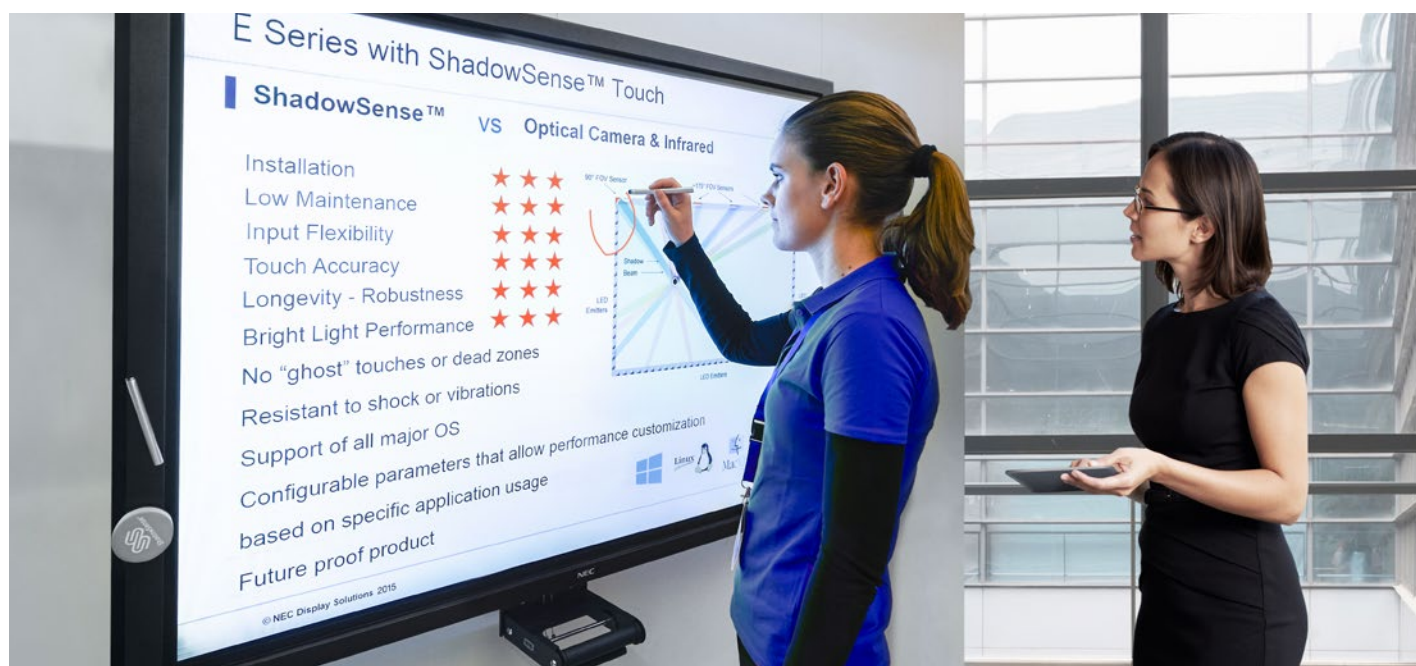
IDEAL FOR ALL KIND OF INSTALLATIONS IN PUBLIC AREAS FEATURING HIGH VOLUME OF PEOPLE.



|                             | PROTECTIVE GLASS                                           |                |                  |                  |                               |                    |
|-----------------------------|------------------------------------------------------------|----------------|------------------|------------------|-------------------------------|--------------------|
| MultiSync® Model            | V323-2 PG                                                  | P403 PG        | P463 PG          | P553 PG          | P703 PG                       | P801 PG            |
| Order Code                  | 60003995                                                   | 60003701       | 60003702         | 60003703         | 60003707                      | 60003708           |
| Base Model                  | V323-2                                                     | P403           | P463             | P553             | P703                          | P801               |
|                             | All specs same as base model except for those listed below |                |                  |                  |                               |                    |
| Dimensions (W x H x D) [mm] | 750 x 444 x 65                                             | 920 x 532 x 72 | 1,055 x 608 x 70 | 1,250 x 721 x 70 | 1,587 x 919 x 96              | 1,836 x 1,061 x 96 |
| Weight [kg]                 | 12.6                                                       | 21.7           | 27.7             | 35.1             | 64.6                          | 85.2               |
| Bezel Width T-B / L-R (mm)  | 24.0 / 24.0                                                | 15.5 / 15.5    | 16.5 / 16.5      | 18.5 / 18.5      | 23.0 / 23.0                   | 29.7 / 29.7        |
| Glass                       | 4mm Conturan® glass by Schott                              |                |                  |                  | 5mm Conturan® glass by Schott |                    |
| Coating                     | Double sided anti-reflective coating                       |                |                  |                  |                               |                    |
| Light Transmission [%]      | 97                                                         | 97             | 97               | 97               | 97                            | 97                 |
| Reflection Rate [%]         | <1                                                         | <1             | <1               | <1               | <1                            | <1                 |

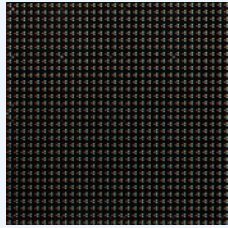
|                             | PROTECTIVE GLASS                                           |                  |                  |                              |                     |
|-----------------------------|------------------------------------------------------------|------------------|------------------|------------------------------|---------------------|
| MultiSync® Model            | X401S PG                                                   | X462 PG          | X552 PG          | X841UHD PG*                  | X981UHD PG*         |
| Order Code                  | 60003437                                                   | 60003433         | 60003432         | 60003985                     | 60003983            |
| Base Model                  | X401S                                                      | X462S            | X552S            | X841UHD                      | X981UHD             |
|                             | All specs same as base model except for those listed below |                  |                  |                              |                     |
| Dimensions (W x H x D) [mm] | 925 x 537 x 48                                             | 1,059 x 613 x 51 | 1,254 x 725 x 51 | 1,931 x 1,117 x 95           | 2,188 x 1,245 x 118 |
| Weight [kg]                 | 19.9                                                       | 27.0             | 33.5             | 102                          | 132                 |
| Bezel Width T-B / L-R (mm)  | 18.0 / 18.0                                                | 18.7 / 18.7      | 20.5 / 20.5      | 32.6 / 32.6                  | 19.9 / 19.9         |
| Glass                       | 4mm Conturan® glass by Schott                              |                  |                  | 6mm Conturan glass by Schott |                     |
| Coating                     | Double sided anti-reflective coating                       |                  |                  |                              |                     |
| Light Transmission [%]      | 97                                                         | 97               | 97               | 97                           | 97                  |
| Reflection Rate [%]         | <1                                                         | <1               | <1               | <1                           | <1                  |

\* Specification subject to change until launch



Large Format E Series with ShadowSense Touch

# LED MODULES



## LED MODULES

INDOOR AND OUTDOOR  
4MM, 6MM, 10MM, 15MM, 20MM PITCH  
IP20 AND IP65  
NICHIA LAMPS  
SERVICE SOLUTIONS  
50 x 50CM MODULES



|                                        | INDOOR                                 |                                         |                                        | OUTDOOR                                |                                         |                                        |
|----------------------------------------|----------------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|----------------------------------------|
|                                        | LED04AF1                               | LED06AF1                                | LED06F1V                               | LED10BF1                               | LED15BF1                                | LED20BF1                               |
| Order Code                             | 60003654                               | 60003000                                | 60003557                               | 60003508                               | 60003001                                | 60003511                               |
| Pixel Configuration                    | 3-in-1 SMD (Black)                     | 3-in-1 SMD (Black)                      | 3-in-1 SMD (White)                     | 3-in-1 SMD (Black)                     | 1R / 1G / 1B discrete LED               | 1R / 1G / 1B discrete LED              |
| Number of Pixel per Tile [dot]         | 64 x 64                                | 80 x 80                                 | 80 x 80                                | 48 x 48                                | 32 x 32                                 | 24 x 24                                |
| Number of Pixel per m <sup>2</sup>     | 213 x 213                              | 160 x 160                               | 160 x 160                              | 96 x 96                                | 64 x 64                                 | 48 x 48                                |
| Pixel Pitch [mm]                       | 4.69                                   | 6.25                                    | 6.25                                   | 10.417                                 | 15.625                                  | 20.83                                  |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 2000                                   | 2000                                    | 3000                                   | 6000                                   | 7500                                    | 7500                                   |
| Contrast Ratio (typ.)                  | 2000:1                                 | 3500:1                                  | 2000:1                                 | 4000:1                                 | 4500:1                                  | 4500:1                                 |
| Viewing Angle Hor / Vert [°]           | ±75-75 / ±70-70                        | ±75-75 / ±70-70                         | ±80-80 / ±70-70                        | ±80-80 / ±50-60                        | ±75-75 / +15 to -30                     | ±65 / 18-40                            |
| Colour Processing                      | 14 bit                                 | 14 bit                                  | 14 bit                                 | 16 bit                                 | 16 bit                                  | 16 bit                                 |
| Dimming Capability                     | 64 level                               | 64 level                                | 64 level                               | 64 level                               | 64 level                                | 64 level                               |
| Gamma Correction                       | 1.8 / 2.2 / 2.2 (Default) / 2.4        | 1.8 / 2.0 / 2.2 (Default) / 2.4         | 1.8 / 2.0 / 2.2 (Default) / 2.4        | 1.8 / 2.0 / 2.2 (Default) / 2.4        | 1.8 / 2.0 / 2.2 (Default) / 2.4         | 1.8 / 2.0 / 2.2 (Default) / 2.4        |
| Colour Temperature [K]                 | 3200; 5000; 6500 (default); 7500; 9300 | 3200, 5000, 6500 (default), 7500, 9300  | 3200, 5000, 6500 (default), 7500, 9300 | 3200, 5000, 6500 (default), 7500, 9300 | 3200, 5000, 6500 (default), 7500, 9300  | 3200, 5000, 6500 (default), 7500, 9300 |
| Refresh Rate                           | > 1920 Hz                              | 1920 Hz                                 | 1920 Hz                                | 19200 Hz                               | 19200 Hz                                | 19200 Hz                               |
| Digital Inputs                         | Circular, DVI with RS-422              | DVI-D Dual Link In/Out                  | DVI-D Dual Link In/Out                 | Circular, DVI-D RS-422                 | DVI-D Dual Link In/Out                  | Circular, DVI-D RS-422                 |
| Power Use on Mode [W]                  | 135W (Full White); 45W (50% grey)      | 235W (Full White); 75W (50% grey level) | 130W (Full White); 60W (50% grey)      | 145W (Full White); 65W (50% grey)      | 135W (Full White); 45W (50% grey level) | 135W (Full White); 45W (50% grey)      |
| Dimensions (W x H x D) [mm]            | 300 x 300 x 120                        | 500 x 500 x 170                         | 500 x 500 x 170                        | 500 x 500 x 190                        | 500 x 500 x 190                         | 500 x 500 x 188                        |
| Weight [kg]                            | 3                                      | 12.7                                    | 12.7                                   | 12.8                                   | 14.0                                    | 13.6                                   |
| IP Level                               | IP2                                    | IP20                                    | IP20                                   | IP65                                   | IP65                                    | IP65                                   |



|                            | VD1                                                                                                 | VP1                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Video Input Connection     | DVI-D                                                                                               | HDMI x 2, 5-RCA, 5-BNC, Mini D-sub15p, RCA, Mini Din 4pin |
| Optimum Resolution         | 1024 x 768 at 60Hz                                                                                  | 1024 x 768 at 60Hz                                        |
| Output Connectors          | DVI-D x 8 with RS-422 control for LED modules DVI-D x 1 for cascade connection of video distributor | DVI-D, Control: RS232C ( D-Sub 9P), 19,200 bps            |
| Latency                    | Within 1 Frame                                                                                      | Within 1 Frame                                            |
| Dimensions W x H x D [mm]  | 480 x 98 x 325                                                                                      | 480 x 95 x 340                                            |
| Weight [kg]                | 4.6                                                                                                 | 3.2                                                       |
| Power Use on Mode [W]      | 15                                                                                                  | 16                                                        |
| Operating Temperature [°C] | -20 to 40                                                                                           | 5 to 35                                                   |
| Operating Humidity [%]     | 10 to 90                                                                                            | 10 to 90                                                  |
| Storage Temperature [°C]   | -30 to 60                                                                                           | 0 to 60                                                   |
| Storage Humidity [%]       | 10 to 90                                                                                            | 10 to 90                                                  |



# SLOT-IN OPTIONS

| OPTION BOARD v LARGE FORMAT MODEL |                     |            | X464UNV-2                   | X464UN-2 | X464UNS | X554UN-2 | X554UNS | X401S (PG) | X462S (PG) | X552S (PG) | P403                        | P463 | P553 | P703 | P801 | P403 DST/SST | P463 DST/SST | P553 DST/SST | P703 SST | P801 SST | V323 (PG) | V423 | V463 | V552 | V652 | V801 |
|-----------------------------------|---------------------|------------|-----------------------------|----------|---------|----------|---------|------------|------------|------------|-----------------------------|------|------|------|------|--------------|--------------|--------------|----------|----------|-----------|------|------|------|------|------|
| PRODUCT NAME                      |                     |            |                             |          |         |          |         |            |            |            |                             |      |      |      |      |              |              |              |          |          |           |      |      |      |      |      |
| SLOT OPTION                       | FORMAT              | ORDER CODE | OPS and Interface Extension |          |         |          |         | OPS        |            |            | OPS and Interface Extension |      |      |      |      |              |              |              |          |          | OPS       |      |      |      |      |      |
| Celeron N2807 2 x 1.58 GHz*       | OPS                 | 100013752  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| Celeron 2000E 2 x 2.2GHz*         | OPS                 | 100013751  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| Core i3 4100E 2 x 2.4 GHz*        | OPS                 | 100013808  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| Core i5 4400E 2 x 2.7 GHz*        | OPS                 | 100013594  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| Core i7 4700EQ 4 x 2.4 GHz*       | OPS                 | 100013595  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| HD-SDI 1.5G                       | OPS                 | 100012893  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| HD-SDI 3G                         | OPS                 | 100012947  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| OPS Digital Signage Player        | OPS                 | 100013538  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| HDBaseT Receiver                  | OPS                 | 100013612  | ●                           | ●        | ●       | ●        | ●       | ●          | ●          | ●          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | ●    | ●    | ●    | ●    | ●    |
| Analog Video Expansion Board      | Interface Extension | 100013510  | ●                           | ●        | ●       | ●        | ●       | -          | -          | -          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | -    | -    | -    | -    | -    |
| BNC Expansion Board               |                     | 100013511  | ●                           | ●        | ●       | ●        | ●       | -          | -          | -          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | -    | -    | -    | -    | -    |
| Digital Video Expansion Board     |                     | 100013512  | ●                           | ●        | ●       | ●        | ●       | -          | -          | -          | ●                           | ●    | ●    | ●    | ●    | ●            | ●            | ●            | ●        | ●        | ●         | -    | -    | -    | -    | -    |

| OPTION BOARD v LARGE FORMAT MODEL |                     |            | V423 TM | V463 TM | V652 TM | V652 TM | V801 TM | E325    | E425 | E505 | E585 | E654 | E705 | E805 | E905 | X651UHD | X841UHD | X981UHD |
|-----------------------------------|---------------------|------------|---------|---------|---------|---------|---------|---------|------|------|------|------|------|------|------|---------|---------|---------|
| PRODUCT NAME                      |                     |            |         |         |         |         |         |         |      |      |      |      |      |      |      |         |         |         |
| SLOT OPTION                       | FORMAT              | ORDER CODE | OPS     |         |         |         |         | no Slot |      |      |      |      |      |      | OPS  |         |         |         |
| Celeron N2807 2 x 1.58 GHz*       | OPS                 | 100013752  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| Celeron 2000E 2 x 2.2 GHz*        | OPS                 | 100013751  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| Core i3 4100E 2 x 2.4 GHz*        | OPS                 | 100013808  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| Core i5 4400E 2 x 2.7 GHz*        | OPS                 | 100013594  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| Core i7 4700EQ 4 x 2.4 GHz*       | OPS                 | 100013595  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| HD-SDI 1.5G                       | OPS                 | 100012893  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| HD-SDI 3G                         | OPS                 | 100012947  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| OPS Digital Signage Player        | OPS                 | 100013538  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| HDBaseT Receiver                  | OPS                 | 100013612  | ●       | ●       | ●       | ●       | ●       | ●       | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●       | ●       | ●       |
| Analog Video Expansion Board      | Interface Extension | 100013510  | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    | -    | -    | -    | -       | -       | -       |
| BNC Expansion Board               |                     | 100013511  | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    | -    | -    | -    | -       | -       | -       |
| Digital Video Expansion Board     |                     | 100013512  | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    | -    | -    | -    | -       | -       | -       |

|   |                                                  |
|---|--------------------------------------------------|
| ● | Compatible                                       |
| ● | Compatible using external OPS Standalone Adaptor |
| - | Not Compatible                                   |

| OPTION BOARD v PROJECTOR MODEL |        |            | PH1400U | PH1000U | PX700W | PX750U | PX800X | PX602UL | PX602WL |
|--------------------------------|--------|------------|---------|---------|--------|--------|--------|---------|---------|
| PRODUCT NAME                   |        |            |         |         |        |        |        |         |         |
| SLOT OPTION                    | FORMAT | ORDER CODE | OPS     |         |        |        |        |         |         |
| Celeron N2807 2 x 1.58 GHz*    | OPS    | 100013752  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| Celeron 2000E 2 x 2.2 GHz*     | OPS    | 100013751  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| Core i3 4100E 2 x 2.4 GHz*     | OPS    | 100013808  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| Core i5 4400E 2 x 2.7 GHz*     | OPS    | 100013594  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| Core i7 4700EQ 4 x 2.4 GHz*    | OPS    | 100013595  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| HD-SDI Internal 1.5G           | OPS    | 100012893  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| HD-SDI Internal 3G             | OPS    | 100012947  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| OPS Digital Signage Player     | OPS    | 100013538  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| HDBaseT Receiver               | OPS    | 100013612  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |
| HDBaseT Sender                 | OPS    | 100013613  | ●       | ●       | ●      | ●      | ●      | ●       | ●       |

OPS SLOT-IN PC

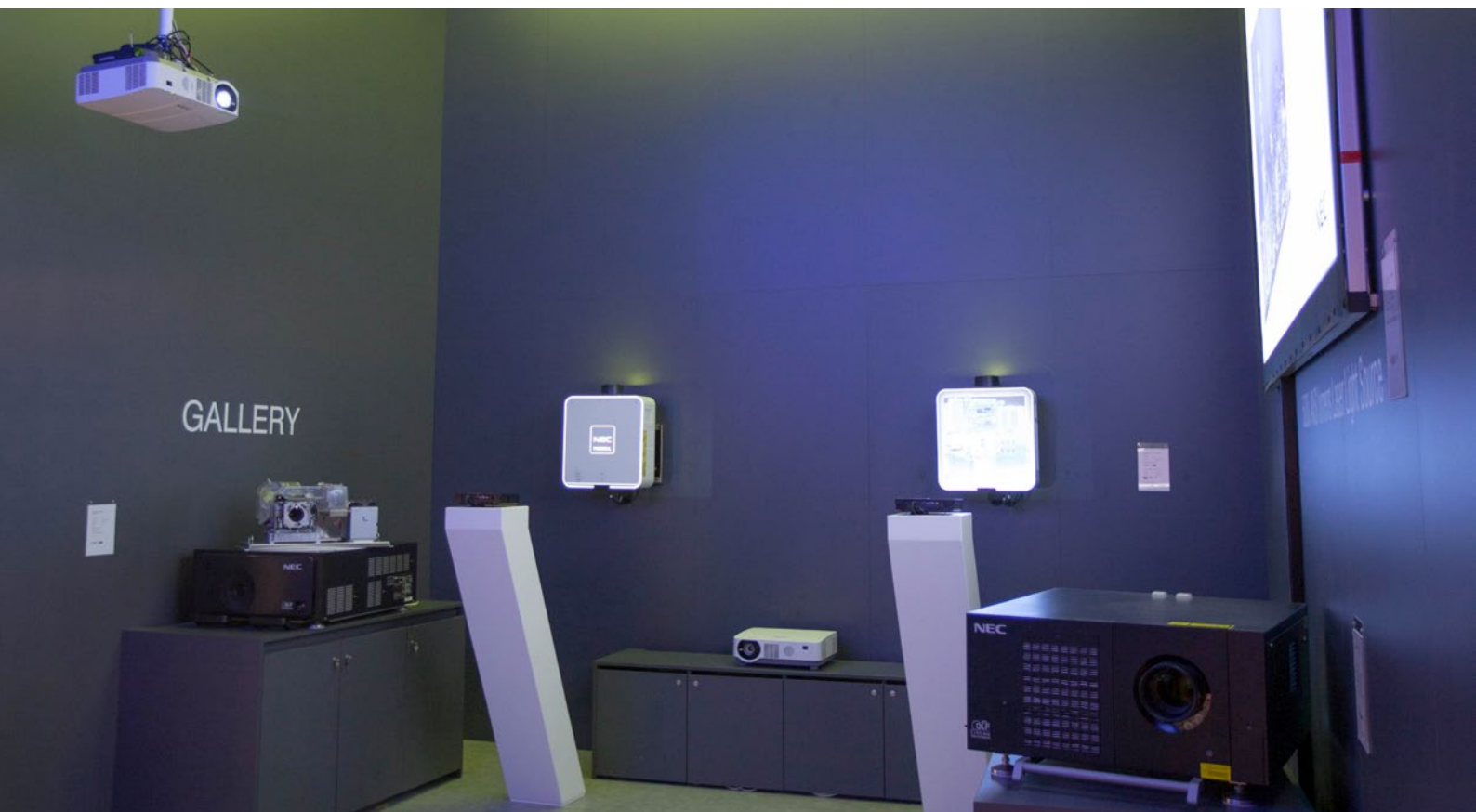


OPS HD-SDI BOARD



\*Please note that all other Slot-in PC configurations have the same compatibility characteristics.

# PROJECTORS



New High Brightness, Heavy Duty Installation models, which draw upon NEC's leadership in the Digital Cinema market combined with a comprehensive range of Mobile, Conventional and Specialist Projectors for the Classroom or Corporate.

With a traditional focus on Education, many of our Projectors include Special Education warranties and solutions and we bundle free software that helps you get connected, share content or make up for a lost remote control. More information on NEC Education Solutions is available at:

[www.education-nec.com](http://www.education-nec.com)

UP TO  
**5**  
YEARS  
OPTIONAL  
WARRANTY



| LED MOBILE                                |                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| L SERIES                                  | Ideal for presentation on the move, ultra-light weight and elegant                                             |
| VALUE                                     |                                                                                                                |
| V SERIES                                  | Ideal for classrooms, (small) meeting rooms, cross-use (private/professional), mobile/cooperative applications |
| MULTIPURPOSE                              |                                                                                                                |
| M SERIES                                  | Suited for classrooms and small to medium sized meeting rooms                                                  |
| ULTRA SHORT THROW AND INTERACTIVE VERSION |                                                                                                                |
| UM SERIES                                 | Ideal for meeting rooms and digital signage applications, as well as for classrooms                            |
| UMi SERIES                                |                                                                                                                |
| PROFESSIONAL                              |                                                                                                                |
| P SERIES                                  | Best solution for larger meeting rooms and university lecture halls                                            |
| PROFESSIONAL ADVANCED                     |                                                                                                                |
| PA SERIES                                 | Ideal for corporate, high education and rental                                                                 |
| PROFESSIONAL EXTREME                      |                                                                                                                |
| PX SERIES                                 | Ideal for rental / staging, large corporate, high education, conference room, museum and signage               |
| PROFESSIONAL HIGH END                     |                                                                                                                |
| PH SERIES                                 | Best solution for rental/staging, high education and digital signage                                           |
| DIGITAL CINEMA                            |                                                                                                                |
| NC SERIES                                 | World leading cinema projectors for multi-national chains or single venues.                                    |

For more detailed information please visit:  
[www.nec-display-solutions.com](http://www.nec-display-solutions.com)

### L102W LED

|                                                      |                                                                                             |
|------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Order Code                                           | 60003452                                                                                    |
| Display                                              | DLP                                                                                         |
| Aspect Ratio                                         | 16:10                                                                                       |
| Native Resolution                                    | 1280 x 800 (WXGA)                                                                           |
| Brightness [ANSI Lumen]                              | 1000                                                                                        |
| Contrast Ratio                                       | 10000:1                                                                                     |
| Projection Factor                                    | 1.4 : 1                                                                                     |
| Projection Distance [m]                              | 0.52 – 3                                                                                    |
| Projection Angle [°]                                 | 13.8                                                                                        |
| Screen Size (min / max) [cm (inch)]                  | 43.2 / 254 (17 / 100)                                                                       |
| Zoom / Focus                                         | Digital / Manual                                                                            |
| Connectors                                           | HDMI, SD Card, USB A, USB mini-B, RGB In, Video, 1 x Audio In, 1 x Audio Out, optional WLAN |
| Power Use [W AC] High Bright / Normal / Power-Saving | 107 / 84 / 0.5                                                                              |
| Dimensions (W x H x D) [mm]                          | 238 x 44 x 177                                                                              |
| Weight [kg]                                          | 1.36                                                                                        |
| Speakers (mono) [W]                                  | 1 x 2                                                                                       |



### L SERIES

1000 ANSI LUMEN  
WXGA

STYLISH DESIGNER LINES  
LED LIGHT SOURCE  
LIGHTWEIGHT  
PC-LESS PRESENTATION  
SD CARD READER  
SPEAKER



### V SERIES

2300 | 2600 | 2800 | 3000  
3300 ANSI LUMEN

VALUE RANGE  
DLP COLOUR PERFORMANCE  
UP TO 5000 HOURS LAMP LIFE (ECO)  
LAN CONNECTIVITY (SOME MODELS)  
SPEAKERS

3  
YEARS  
WARRANTY

6  
MONTHS  
FOR LAMP

ECO  
INNOVATION

|                                                      | V230X                                                         | V260                                                          | V260X                                                                                  | V281W                                                                                | V302H                                                                                    | V332W                                                                                    | V302W                                                                                    | V332X                                                                                    | V302X                                                                                    |
|------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Order Code                                           | 60003177                                                      | 60003176                                                      | 60003178                                                                               | 60003635                                                                             | 60003897                                                                                 | 60003896                                                                                 | 60003895                                                                                 | 60003894                                                                                 | 60003893                                                                                 |
| Display                                              | DLP                                                           | DLP                                                           | DLP                                                                                    | DLP                                                                                  | DLP                                                                                      | DLP                                                                                      | DLP                                                                                      | DLP                                                                                      | DLP                                                                                      |
| Aspect Ratio                                         | 4:3                                                           | 4:3                                                           | 4:3                                                                                    | 16:10                                                                                | 16:9                                                                                     | 16:10                                                                                    | 16:10                                                                                    | 4:3                                                                                      | 4:3                                                                                      |
| Native Resolution                                    | 1024 x 768 (XGA)                                              | 800 x 600 (SVGA)                                              | 1024 x 768 (XGA)                                                                       | 1280 x 800 (WXGA)                                                                    | 1920 x 1080 (Full HD)                                                                    | 1280 x 800 (WXGA)                                                                        | 1280 x 800 (WXGA)                                                                        | 1024 x 768 (XGA)                                                                         | 1024 x 768 (XGA)                                                                         |
| Brightness [ANSI Lumen]                              | 2300                                                          | 2600                                                          | 2600                                                                                   | 2800                                                                                 | 3000                                                                                     | 3300                                                                                     | 3000                                                                                     | 3300                                                                                     | 3000                                                                                     |
| Contrast Ratio                                       | 2000:1                                                        | 2000:1                                                        | 2000:1                                                                                 | 3000:1                                                                               | 8000:1                                                                                   | 10.000:1                                                                                 | 10.000:1                                                                                 | 10.000:1                                                                                 | 10.000:1                                                                                 |
| Projection Factor                                    | 1.95 – 2.15 : 1                                               | 1.95 – 2.15 : 1                                               | 1.95 – 2.15 : 1                                                                        | 1.55 – 1.7 : 1                                                                       | 1.50 – 1.80 : 1                                                                          | 1.55 – 1.70 : 1                                                                          | 1.55 – 1.70 : 1                                                                          | 1.95 – 2.15 : 1                                                                          | 1.95 – 2.15 : 1                                                                          |
| Projection Distance [m]                              | 1.2 – 13                                                      | 1.2 – 13                                                      | 1.2 – 13                                                                               | 1 – 11                                                                               | 1.3 – 12                                                                                 | 1 – 11                                                                                   | 1 – 11                                                                                   | 1.19 – 13.1                                                                              | 1.19 – 13.1                                                                              |
| Projection Angle [°]                                 | 12.8 – 14.0                                                   | 12.8 – 14.0                                                   | 12.8 – 14.0                                                                            | 12.9 – 14.1                                                                          | 11.7 – 14.0                                                                              | 13 – 14.2                                                                                | 13 – 14.2                                                                                | 12.8 – 14.0                                                                              | 12.8 – 14.0                                                                              |
| Screen Size (min / max) [cm (inch)]                  | 76 / 762 (30 / 300)                                           | 76 / 762 (30 / 300)                                           | 76 / 762 (30 / 300)                                                                    | 76 / 762 (30 / 300)                                                                  | 102 / 762 (40 / 300)                                                                     | 76 / 762 (30 / 300)                                                                      | 76 / 762 (30 / 300)                                                                      | 76 / 762 (30 / 300)                                                                      | 76 / 762 (30 / 300)                                                                      |
| Zoom / Focus                                         | Manual / Manual                                               | Manual / Manual                                               | Manual / Manual                                                                        | Manual / Manual                                                                      | Manual / Manual                                                                          | Manual / Manual                                                                          | Manual / Manual                                                                          | Manual / Manual                                                                          | Manual / Manual                                                                          |
| Connectors                                           | RGB In, PC Control, 1 x RGB out, S-Video, Video, 1 x Audio In | RGB In, PC Control, 1 x RGB out, S-Video, Video, 1 x Audio In | HDMI, 2 x RGB In, PC Control, LAN, 1 x RGB out, S-Video, Video, Audio: 2 x In, 1 x Out | HDMI, 2 x RGB In, PC Control, LAN, 1 x RGB out, S-Video, Video, Audio: 3x In, 1x Out | 2 x HDMI, 1 x RGB In, PC Control, LAN, 1x RGB out, Video, Audio: 3x In, 1x Out, 1x USB B | 2 x HDMI, 1 x RGB In, PC Control, LAN, 1x RGB out, Video, Audio: 3x In, 1x Out, 1x USB B | 2 x HDMI, 1 x RGB In, PC Control, LAN, 1x RGB out, Video, Audio: 3x In, 1x Out, 1x USB B | 2 x HDMI, 1 x RGB In, PC Control, LAN, 1x RGB out, Video, Audio: 3x In, 1x Out, 1x USB B | 2 x HDMI, 1 x RGB In, PC Control, LAN, 1x RGB out, Video, Audio: 3x In, 1x Out, 1x USB B |
| Power Use [W AC] High Bright / Normal / Power-Saving | 233 / 210 / 0.8                                               | 233 / 210 / 0.8                                               | 233 / 210 / 0.8                                                                        | 268 / 210 / 0.5                                                                      | 266 / 207 / 0.5                                                                          | 263 / 204 / 0.5                                                                          | 237 / 194 / 0.5                                                                          | 263 / 204 / 0.5                                                                          | 237 / 198 / 0.5                                                                          |
| Lamp Life Normal / ECO [hrs.]                        | 3500 / 5000                                                   | 3500 / 5000                                                   | 3500 / 5000                                                                            | 3000 / 5000                                                                          | 3500 / 6000                                                                              | 3500 / 6000                                                                              | 4500 / 6000                                                                              | 3500 / 6000                                                                              | 4500 / 6000                                                                              |
| Dimensions (W x H x D) [mm]                          | 310 x 95 x 247                                                | 310 x 95 x 247                                                | 310 x 95 x 247                                                                         | 310 x 95 x 247                                                                       | 324 x 88 x 250                                                                           | 324 x 88 x 250                                                                           | 324 x 88 x 250                                                                           | 324 x 88 x 250                                                                           | 324 x 88 x 250                                                                           |
| Weight [kg]                                          | 2.5                                                           | 2.5                                                           | 2.5                                                                                    | 2.5                                                                                  | 2.9                                                                                      | 2.8                                                                                      | 2.7                                                                                      | 2.8                                                                                      | 2.7                                                                                      |
| Speakers (mono) [W]                                  | 1 x 7                                                         | 1 x 7                                                         | 1 x 7                                                                                  | 1 x 7                                                                                | 1 x 8                                                                                    | 1 x 8                                                                                    | 1 x 8                                                                                    | 1 x 8                                                                                    | 1 x 8                                                                                    |
| TCO                                                  | •                                                             | -                                                             | •                                                                                      | -                                                                                    | -                                                                                        | -                                                                                        | -                                                                                        | -                                                                                        | -                                                                                        |
| Education Warranty Available                         | -                                                             | -                                                             | •                                                                                      | •                                                                                    | •                                                                                        | •                                                                                        | •                                                                                        | •                                                                                        | •                                                                                        |
| NaViSet Administrator 2                              | •                                                             | •                                                             | •                                                                                      | •                                                                                    | •                                                                                        | •                                                                                        | •                                                                                        | •                                                                                        | •                                                                                        |

## M SERIES MULTI-PURPOSE SHORT THROW

|                                                      | M271X                                                                                                               | M311X                                                                                                               | M311W                                                                                                                           | M322X                                                                                                          | M322H                                                                                                                                            | M322W                                                                                                          | M362X                                                                                                                                            |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Order Code                                           | 60003404                                                                                                            | 60003405                                                                                                            | 60003407                                                                                                                        | 60003456                                                                                                       | 60003888                                                                                                                                         | 60003454                                                                                                       | 60003457                                                                                                                                         |
| Display                                              | LCD                                                                                                                 | LCD                                                                                                                 | LCD                                                                                                                             | DLP                                                                                                            | DLP                                                                                                                                              | DLP                                                                                                            | DLP                                                                                                                                              |
| Aspect Ratio                                         | 4:3                                                                                                                 | 4:3                                                                                                                 | 16:10                                                                                                                           | 4:3                                                                                                            | 16:9                                                                                                                                             | 16:10                                                                                                          | 4:3                                                                                                                                              |
| Native Resolution                                    | 1024 x 768 (XGA)                                                                                                    | 1024 x 768 (XGA)                                                                                                    | 1280 x 800 (WXGA)                                                                                                               | 1024 x 768 (XGA)                                                                                               | 1920 x 1080 (Full HD)                                                                                                                            | 1280 x 800 (WXGA)                                                                                              | 1024 x 768 (XGA)                                                                                                                                 |
| Brightness [ANSI Lumen]                              | 2700                                                                                                                | 3100                                                                                                                | 3100                                                                                                                            | 3200                                                                                                           | 3200                                                                                                                                             | 3200                                                                                                           | 3600                                                                                                                                             |
| Contrast Ratio                                       | 3000:1                                                                                                              | 3000:1                                                                                                              | 3000:1                                                                                                                          | 10000:1                                                                                                        | 8000:1                                                                                                                                           | 10000:1                                                                                                        | 10000:1                                                                                                                                          |
| Projection Factor                                    | 1.3 – 2.2 : 1                                                                                                       | 1.3 – 2.2 : 1                                                                                                       | 1.3 – 2.2 : 1                                                                                                                   | 1.5 – 2.5 : 1                                                                                                  | 1.2 – 2.1 : 1                                                                                                                                    | 1.2 – 2.04 : 1                                                                                                 | 1.5 – 2.5 : 1                                                                                                                                    |
| Projection Distance [m]                              | 0.6 – 13.8                                                                                                          | 0.6 – 13.8                                                                                                          | 0.7 – 14.7                                                                                                                      | 0.9 – 16                                                                                                       | 0.74 – 14.08                                                                                                                                     | 0.76 – 13.53                                                                                                   | 0.9 – 16                                                                                                                                         |
| Projection Angle [°]                                 | 6.5 – 11.4                                                                                                          | 6.5 – 11.4                                                                                                          | 6.5 – 11.4                                                                                                                      | 10.5 - 17.6                                                                                                    | 9.9 - 17.9                                                                                                                                       | 10.5 - 17.6                                                                                                    | 10.5 - 17.6                                                                                                                                      |
| Screen Size (min / max) [cm (inch)]                  | 63.5 / 762 (25 / 300)                                                                                               | 63.5 / 762 (25 / 300)                                                                                               | 63.5 / 762 (25 / 300)                                                                                                           | 76.2 - 762 (30 - 300)                                                                                          | 76.2 - 762 (30 - 300)                                                                                                                            | 76.2 - 762 (30 - 300)                                                                                          | 76.2 - 762 (30 - 300)                                                                                                                            |
| Zoom / Focus                                         | Manual / Manual                                                                                                     | Manual / Manual                                                                                                     | Manual / Manual                                                                                                                 | Manual / Manual                                                                                                | Manual / Manual                                                                                                                                  | Manual / Manual                                                                                                | Manual / Manual                                                                                                                                  |
| Connectors                                           | HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN | HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 3 In, 1 Out, Optional WLAN | HDMI, 2 x RGB In, S-Video, 2 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Micro In, 1 Out, Optional WLAN | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 1 In, 1 Out, Optional WLAN | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x B, LAN, PC Control, 1 x RGB out, Video, Audio: 1 In, 1 Out, Optional WLAN | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | 239 / 193 / 172 / 0.4                                                                                               | 239 / 193 / 172 / 0.4                                                                                               | 302 / 236 / 211 / 0.4                                                                                                           | 286 / 224 / 202 / 0.4                                                                                          | 335 / 278 / 246 / 0.4                                                                                                                            | 286 / 224 / 202 / 0.4                                                                                          | 315 / 244 / 224 / 0.4                                                                                                                            |
| Lamp Life Normal / ECO [hrs.]                        | 6000 / 10000                                                                                                        | 6000 / 10000                                                                                                        | 5000 / 8000                                                                                                                     | 5500 / 8000                                                                                                    | 5000 / 8000                                                                                                                                      | 5500 / 8000                                                                                                    | 5000 / 8000                                                                                                                                      |
| Dimensions (W x H x D) [mm]                          | 339 x 99 x 257                                                                                                      | 339 x 99 x 257                                                                                                      | 339 x 99 x 257                                                                                                                  | 367.9 x 97.5 x 285.9                                                                                           | 367.9 x 107.5 x 291.3                                                                                                                            | 367.9 x 97.5 x 285.9                                                                                           | 367.9 x 97.5 x 285.9                                                                                                                             |
| Weight [kg]                                          | 2.99                                                                                                                | 2.99                                                                                                                | 2.99                                                                                                                            | 3.48                                                                                                           | 3.7                                                                                                                                              | 3.48                                                                                                           | 3.48                                                                                                                                             |
| Speakers (mono) [W]                                  | 1 x 10                                                                                                              | 1 x 10                                                                                                              | 1 x 10                                                                                                                          | 1 x 20                                                                                                         | 1 x 20                                                                                                                                           | 1 x 20                                                                                                         | 1 x 20                                                                                                                                           |
| TCO                                                  | -                                                                                                                   | -                                                                                                                   | •                                                                                                                               | -                                                                                                              | -                                                                                                                                                | -                                                                                                              | -                                                                                                                                                |
| Education Warranty Available                         | •                                                                                                                   | •                                                                                                                   | •                                                                                                                               | •                                                                                                              | •                                                                                                                                                | •                                                                                                              | •                                                                                                                                                |

|                                                      | M362W                                                                                                                                            | M402X                                                                                                                                            | M402W                                                                                                                                            | M402H                                                                                                                                            | M302WS                                                                                                                                               | M332XS                                                                                                                                               | M352WS                                                                                                                                               |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order Code                                           | 60003577                                                                                                                                         | 60003458                                                                                                                                         | 60003455                                                                                                                                         | 60003692                                                                                                                                         | 60003578                                                                                                                                             | 60003580                                                                                                                                             | 60003461                                                                                                                                             |
| Display                                              | DLP                                                                                                                                              | DLP                                                                                                                                              | DLP                                                                                                                                              | DLP                                                                                                                                              | DLP                                                                                                                                                  | DLP                                                                                                                                                  | DLP                                                                                                                                                  |
| Aspect Ratio                                         | 16:10                                                                                                                                            | 4:3                                                                                                                                              | 16:10                                                                                                                                            | 16:9                                                                                                                                             | 16:10                                                                                                                                                | 4:3                                                                                                                                                  | 16:10                                                                                                                                                |
| Native Resolution                                    | 1280 x 800 (WXGA)                                                                                                                                | 1024 x 768 (XGA)                                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                                | 1920 x 1080 (Full HD)                                                                                                                            | 1280 x 800 (WXGA)                                                                                                                                    | 1024 x 768 (XGA)                                                                                                                                     | 1280 x 800 (WXGA)                                                                                                                                    |
| Brightness [ANSI Lumen]                              | 3600                                                                                                                                             | 4000                                                                                                                                             | 4000                                                                                                                                             | 4000                                                                                                                                             | 3000                                                                                                                                                 | 3300                                                                                                                                                 | 3500                                                                                                                                                 |
| Contrast Ratio                                       | 10000:1                                                                                                                                          | 10000:1                                                                                                                                          | 10000:1                                                                                                                                          | 10000:1                                                                                                                                          | 10000:1                                                                                                                                              | 10000:1                                                                                                                                              | 10000:1                                                                                                                                              |
| Projection Factor                                    | 1.2 – 2.04 : 1                                                                                                                                   | 1.5 – 2.5 : 1                                                                                                                                    | 1.2 – 2.04 : 1                                                                                                                                   | 1.2 – 2.1 : 1                                                                                                                                    | 0.45:1                                                                                                                                               | 0.56:1                                                                                                                                               | 0.45:1                                                                                                                                               |
| Projection Distance [m]                              | 0.76 – 13.53                                                                                                                                     | 0.9 – 16                                                                                                                                         | 0.76 – 13.53                                                                                                                                     | 0.74 – 14.08                                                                                                                                     | 0.56 – 1.48                                                                                                                                          | 0.68 – 1.76                                                                                                                                          | 0.56 – 1.48                                                                                                                                          |
| Projection Angle [°]                                 | 10.5 - 17.6                                                                                                                                      | 10.5 - 17.6                                                                                                                                      | 10.5 - 17.6                                                                                                                                      | 9.9 - 17.9                                                                                                                                       | 40.7 - 40.9                                                                                                                                          | 40.7 - 40.8                                                                                                                                          | 40.7 - 40.9                                                                                                                                          |
| Screen Size (min / max) [cm (inch)]                  | 76.2 - 762 (30 - 300)                                                                                                                            | 76.2 - 762 (30 - 300)                                                                                                                            | 76.2 - 762 (30 - 300)                                                                                                                            | 76.2 - 762 (30 - 300)                                                                                                                            | 152.4 / 381 (60 / 150)                                                                                                                               | 152.4 / 381 (60 / 150)                                                                                                                               | 152.4 / 381 (60 / 150)                                                                                                                               |
| Zoom / Focus                                         | Manual / Manual                                                                                                                                  | Manual / Manual                                                                                                                                  | Manual / Manual                                                                                                                                  | Manual / Manual                                                                                                                                  | Digital / Manual                                                                                                                                     | Digital / Manual                                                                                                                                     | Digital / Manual                                                                                                                                     |
| Connectors                                           | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Video, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x Video, 2 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x Video, 2 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync | 2 x HDMI, 1 x RGB In, 1 x Video, 2 x USB A, 1 x USB B, LAN, PC Control, 1 x RGB out, Audio: 2 In, 1 Out, Optional WLAN, 1x Microphone In, 1x 3D Sync |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | 315 / 244 / 242 / 0.4                                                                                                                            | 335 / 278 / 246 / 0.4                                                                                                                            | 335 / 278 / 246 / 0.4                                                                                                                            | 335 / 278 / 246 / 0.4                                                                                                                            | 286 / 224 / 202 / 0.4                                                                                                                                | 335 / 278 / 246 / 0.4                                                                                                                                | 335 / 278 / 246 / 0.4                                                                                                                                |
| Lamp Life Normal / ECO [hrs.]                        | 5500 / 8000                                                                                                                                      | 5000 / 8000                                                                                                                                      | 5500 / 8000                                                                                                                                      | 5500 / 8000                                                                                                                                      | 5500 / 8000                                                                                                                                          | 5500 / 8000                                                                                                                                          | 5500 / 8000                                                                                                                                          |
| Dimensions (W x H x D) [mm]                          | 367.9 x 97.5 x 285.9                                                                                                                             | 367.9 x 97.5 x 285.9                                                                                                                             | 367.9 x 97.5 x 285.9                                                                                                                             | 367.9 x 107.5 x 291.3                                                                                                                            | 368 x 97 x 286                                                                                                                                       | 368 x 97 x 286                                                                                                                                       | 368 x 97 x 286                                                                                                                                       |
| Weight [kg]                                          | 3.6                                                                                                                                              | 3.48                                                                                                                                             | 3.6                                                                                                                                              | 3.7                                                                                                                                              | 3.6                                                                                                                                                  | 3.7                                                                                                                                                  | 3.6                                                                                                                                                  |
| Speakers (mono) [W]                                  | 1 x 20                                                                                                                                           | 1 x 20                                                                                                                                           | 1 x 20                                                                                                                                           | 1 x 20                                                                                                                                           | 1 x 20                                                                                                                                               | 1 x 20                                                                                                                                               | 1 x 20                                                                                                                                               |
| Education Warranty Available                         | •                                                                                                                                                | •                                                                                                                                                | •                                                                                                                                                | •                                                                                                                                                | •                                                                                                                                                    | •                                                                                                                                                    | •                                                                                                                                                    |

|                                                      |                                                  | Multi-Touch                                      | Multi-Pen                                        |                                                                                                                                   | Multi-Touch                                                                                                                       | Multi-Pen                                                                                                                         | Multi-Touch                                                                                                                       | Multi-Pen                                                                                                                         |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|                                                      | U321H                                            | U321Hi-MT*                                       | U321Hi-MP*                                       | UM351W                                                                                                                            | UM351Wi-MT*                                                                                                                       | UM351Wi-MP*                                                                                                                       | UM352Wi-MT                                                                                                                        | UM352Wi-MP                                                                                                                        |
| Order Code                                           | 60003952                                         | 60003945                                         | 60003944                                         | 60003842                                                                                                                          | 60003941                                                                                                                          | 60003910                                                                                                                          | 60003955                                                                                                                          | 60003889                                                                                                                          |
| Display                                              | DLP                                              | DLP                                              | DLP                                              | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               |
| Aspect Ratio                                         | 16:9                                             | 16:9                                             | 16:9                                             | 16:10                                                                                                                             | 16:10                                                                                                                             | 16:10                                                                                                                             | 16:10                                                                                                                             | 16:10                                                                                                                             |
| Native Resolution                                    | 1920 x 1080 (Full-HD)                            | 1920 x 1080 (Full-HD)                            | 1920 x 1080 (Full-HD)                            | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 |
| Brightness [ANSI Lumen]                              | 3200                                             | 3200                                             | 3200                                             | 3500                                                                                                                              | 3500                                                                                                                              | 3500                                                                                                                              | 3500                                                                                                                              | 3500                                                                                                                              |
| Contrast Ratio                                       | 10000:1                                          | 10000:1                                          | 10000:1                                          | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            |
| Projection Factor                                    | 0.25 : 1                                         | 0.25 : 1                                         | 0.25 : 1                                         | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          |
| Projection Distance [m]                              | 0.195 - 0.306                                    | 0.195 - 0.306                                    | 0.195 - 0.306                                    | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       |
| Projection Angle [°]                                 | 57                                               | 57                                               | 57                                               | 49.2                                                                                                                              | 49.2                                                                                                                              | 49.2                                                                                                                              | 49.2                                                                                                                              | 49.2                                                                                                                              |
| Screen Size (min / max) [cm (inch)]                  | 216 / 254 (85 / 100)                             | 216 / 254 (85 / 100)                             | 216 / 254 (85 / 100)                             | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            |
| Zoom / Focus                                         | Digital / Manual                                 | Digital / Manual                                 | Digital / Manual                                 | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  |
| Connectors                                           | 1 x HDMI, 1 x RGB In, Video, PC Control, 1 x USB | 1 x HDMI, 1 x RGB In, Video, PC Control, 1 x USB | 1 x HDMI, 1 x RGB In, Video, PC Control, 1 x USB | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 3 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | - / 312 / 264 / 0.5                              | - / 312 / 264 / 0.5                              | - / 312 / 264 / 0.5                              | 324 / 257 / 214 / 0.5                                                                                                             | 324 / 257 / 214 / 0.5                                                                                                             | 324 / 257 / 214 / 0.5                                                                                                             | 326 / 261 / 216 / 0.5                                                                                                             | 326 / 261 / 216 / 0.5                                                                                                             |
| Lamp Life Normal / ECO [hrs.]                        | 3000 / 4000                                      | 3000 / 4000                                      | 3000 / 4000                                      | 5000 / 6000                                                                                                                       | 5000 / 6000                                                                                                                       | 5000 / 6000                                                                                                                       | 5000 / 6000                                                                                                                       | 5000 / 6000                                                                                                                       |
| Dimensions (W x H x D) [mm]                          | 383 x 85 x 308                                   | 383 x 85 x 308                                   | 383 x 85 x 308                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   |
| Weight [kg]                                          | 4.7                                              | 4.7                                              | 4.7                                              | 5.6                                                                                                                               | 5.6                                                                                                                               | 5.6                                                                                                                               | 5.8                                                                                                                               | 5.8                                                                                                                               |
| Speakers (mono) [W]                                  | 1 x 8                                            | 1 x 8                                            | 1 x 8                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            |
| Education Warranty Available                         | ●                                                | ●                                                | ●                                                | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 |

|                                                      |                                                                                                                                   | Multi-Touch                                                                                                                       | Multi-Pen                                                                                                                         |                                                                                                                                   | Multi-Pen                                                                                                                         |                                                                                                                                   | Multi-Pen                                                                                                                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|                                                      | UM301W                                                                                                                            | UM301Wi-MT                                                                                                                        | UM301Wi-MP                                                                                                                        | UM361X                                                                                                                            | UM361Xi-MP                                                                                                                        | UM301X                                                                                                                            | UM301Xi-MP                                                                                                                        |
| Order Code                                           | 60003840                                                                                                                          | 60003940                                                                                                                          | 60003908                                                                                                                          | 60003843                                                                                                                          | 60003911                                                                                                                          | 60003841                                                                                                                          | 60003909                                                                                                                          |
| Display                                              | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               | LCD                                                                                                                               |
| Aspect Ratio                                         | 16:10                                                                                                                             | 16:10                                                                                                                             | 16:10                                                                                                                             | 4:3                                                                                                                               | 4:3                                                                                                                               | 4:3                                                                                                                               | 4:3                                                                                                                               |
| Native Resolution                                    | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                 | 1024 x 768 (XGA)                                                                                                                  | 1024 x 768 (XGA)                                                                                                                  | 1024 x 768 (XGA)                                                                                                                  | 1024 x 768 (XGA)                                                                                                                  |
| Brightness [ANSI Lumen]                              | 3000                                                                                                                              | 3000                                                                                                                              | 3000                                                                                                                              | 3600                                                                                                                              | 3600                                                                                                                              | 3000                                                                                                                              | 3000                                                                                                                              |
| Contrast Ratio                                       | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            | 6000:1                                                                                                                            |
| Projection Factor                                    | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          | 0.36 : 1                                                                                                                          |
| Projection Distance [m]                              | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       | 0.11 – 0.51                                                                                                                       |
| Projection Angle [°]                                 | 49.2                                                                                                                              | 49.2                                                                                                                              | 49.2                                                                                                                              | 53.1                                                                                                                              | 53.1                                                                                                                              | 53.1                                                                                                                              | 53.1                                                                                                                              |
| Screen Size (min / max) [cm (inch)]                  | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            | 147.3 / 279 (58 / 110)                                                                                                            | 156.2 / 296.2 (61.5 / 116.6)                                                                                                      | 156.2 / 296.2 (61.5 / 116.6)                                                                                                      | 156.2 / 296.2 (61.5 / 116.6)                                                                                                      | 156.2 / 296.2 (61.5 / 116.6)                                                                                                      |
| Zoom / Focus                                         | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  | Digital / Manual                                                                                                                  |
| Connectors                                           | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional | 2 x HDMI, 1 x RGB In, Video, LAN, PC Control, 3 x USB, 1 x RGB out, 2 x Audio In, 1 x Microphone In, 1 x Audio Out, WLAN optional |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | 285 / 227 / 190 / 0.5                                                                                                             | 285 / 227 / 190 / 0.5                                                                                                             | 285 / 227 / 190 / 0.5                                                                                                             | 324 / 257 / 214 / 0.5                                                                                                             | 324 / 257 / 214 / 0.5                                                                                                             | 285 / 227 / 190 / 0.5                                                                                                             | 285 / 227 / 190 / 0.5                                                                                                             |
| Lamp Life Normal / ECO [hrs.]                        | 5000 / 8000                                                                                                                       | 5000 / 8000                                                                                                                       | 5000 / 8000                                                                                                                       | 5000 / 6000                                                                                                                       | 5000 / 6000                                                                                                                       | 5000 / 8000                                                                                                                       | 5000 / 8000                                                                                                                       |
| Dimensions (W x H x D) [mm]                          | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   | 378 x 112 x 428                                                                                                                   |
| Weight [kg]                                          | 5.5                                                                                                                               | 5.5                                                                                                                               | 5.5                                                                                                                               | 5.6                                                                                                                               | 5.6                                                                                                                               | 5.5                                                                                                                               | 5.5                                                                                                                               |
| Speakers (mono) [W]                                  | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            | 1 x 20                                                                                                                            |
| Education Warranty Available                         | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 | ●                                                                                                                                 |

\* Specification subject to change until launch



## P SERIES

ENTRY GRADE HIGH BRIGHTNESS  
PROFESSIONAL INSTALLATION  
AV MUTE SLIDABLE COVER OR BUTTON  
UP TO 3000 HOURS LAMP LIFE (ECO)

4000 | 4500 | 5000 ANSI LUMEN  
XGA | WXGA | HD



## PA SERIES

FLEXIBLE INSTALLATION, 5 OPTIONAL LENS  
STACKABLE TO 4 x BRIGHTNESS  
HEAVY DUTY PERFORMANCE  
DISPLAYPORT AND LAN

5200 | 5700 | 6200 | 6700 | 7200 ANSI LUMEN  
XGA | WXGA | WUXGA

|                                                       | P401W                                                                                                                                          | P451W                                                                                                                                          | P501X                                                                                                                                          | P502HL*                                                                                                                  | PA621U                                                                                                                                                                                                                         | PA622U                                                                                                                                                                                                                                   | PA522U                                                                                                                                                                                                                       | PA671W                                                                                                                                                                                                            | PA672W                                                                                                                                                                                                                                   |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order Code                                            | 60003693                                                                                                                                       | 60003449                                                                                                                                       | 60003450                                                                                                                                       | 60003694                                                                                                                 | 60003661                                                                                                                                                                                                                       | 60003444                                                                                                                                                                                                                                 | 60003640                                                                                                                                                                                                                     | 60003660                                                                                                                                                                                                          | 60003445                                                                                                                                                                                                                                 |
| Display                                               | LCD                                                                                                                                            | LCD                                                                                                                                            | LCD                                                                                                                                            | DLP                                                                                                                      | LCD                                                                                                                                                                                                                            | LCD                                                                                                                                                                                                                                      | LCD                                                                                                                                                                                                                          | LCD                                                                                                                                                                                                               | LCD                                                                                                                                                                                                                                      |
| Aspect Ratio                                          | 16:10                                                                                                                                          | 16:10                                                                                                                                          | 4:3                                                                                                                                            | 16:9                                                                                                                     | 16:10                                                                                                                                                                                                                          | 16:10                                                                                                                                                                                                                                    | 16:10                                                                                                                                                                                                                        | 16:10                                                                                                                                                                                                             | 16:10                                                                                                                                                                                                                                    |
| Native Resolution                                     | 1280 x 800 (WXGA)                                                                                                                              | 1280 x 800 (WXGA)                                                                                                                              | 1024 x 768 (XGA)                                                                                                                               | 1920 x 1080                                                                                                              | 1920 x 1200 (WUXGA)                                                                                                                                                                                                            | 1920 x 1200 (WUXGA)                                                                                                                                                                                                                      | 1920 x 1200 (WUXGA)                                                                                                                                                                                                          | 1280 x 800 (WXGA)                                                                                                                                                                                                 | 1280 x 800 (WXGA)                                                                                                                                                                                                                        |
| Brightness [ANSI Lumen] (Max)                         | 4000                                                                                                                                           | 4500                                                                                                                                           | 5000                                                                                                                                           | 5000                                                                                                                     | 6200                                                                                                                                                                                                                           | 6200                                                                                                                                                                                                                                     | 5200                                                                                                                                                                                                                         | 6700                                                                                                                                                                                                              | 6700                                                                                                                                                                                                                                     |
| Brightness in Normal Mode [approx. %]                 | 83                                                                                                                                             | 80                                                                                                                                             | 80                                                                                                                                             | 80                                                                                                                       | 80                                                                                                                                                                                                                             | 80                                                                                                                                                                                                                                       | 80                                                                                                                                                                                                                           | 80                                                                                                                                                                                                                | 80                                                                                                                                                                                                                                       |
| Contrast Ratio (DB™ = with DynamicBlack™)             | 4000:1                                                                                                                                         | 4000:1                                                                                                                                         | 4000:1                                                                                                                                         | 100000:1                                                                                                                 | 6000:1                                                                                                                                                                                                                         | 6000:1                                                                                                                                                                                                                                   | 5000:1                                                                                                                                                                                                                       | 6000:1                                                                                                                                                                                                            | 6000:1                                                                                                                                                                                                                                   |
| Lens [mm]                                             | F= 1.7 – 2.2, f= 17.4 – 29                                                                                                                     | F= 1.7 – 2.2, f= 17.4 – 29.0                                                                                                                   | F= 1.7 – 2.2, f= 17.4 – 29.0                                                                                                                   | F= 2.0-2.5 f= 18.2 - 31.1                                                                                                | optional                                                                                                                                                                                                                       | optional                                                                                                                                                                                                                                 | optional                                                                                                                                                                                                                     | optional                                                                                                                                                                                                          | optional                                                                                                                                                                                                                                 |
| Lens: optional bayonet lenses (LM = with lens memory) | No optional lens                                                                                                                               | No optional lens                                                                                                                               | No optional lens                                                                                                                               | No optional lens                                                                                                         | 6                                                                                                                                                                                                                              | 6                                                                                                                                                                                                                                        | 6                                                                                                                                                                                                                            | 6                                                                                                                                                                                                                 | 6                                                                                                                                                                                                                                        |
| Projection Factor (std. option)                       | 1.3 – 2.2 : 1                                                                                                                                  | 1.3 – 2.2 : 1                                                                                                                                  | 1.3 – 2.2 : 1                                                                                                                                  | 1.24 - 2.1 : 1                                                                                                           | 1.5-3.02:1 (NP13ZL)                                                                                                                                                                                                            | 1.5-3.02:1 (NP13ZL)                                                                                                                                                                                                                      | 1.5-3.02:1 (NP13ZL)                                                                                                                                                                                                          | 1.5-3.02:1 (NP13ZL)                                                                                                                                                                                               | 1.5-3.02:1 (NP13ZL)                                                                                                                                                                                                                      |
| Projection Distance [m]                               | 0.7 – 14.6                                                                                                                                     | 0.7 – 14.6                                                                                                                                     | 0.6 – 13.8                                                                                                                                     | 0.8 - 14.2                                                                                                               | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                  | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                            | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                     | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                            |
| Screen Size (min. / max.) [cm (inch)]                 | 64 / 762 (25 / 300)                                                                                                                            | 64 / 762 (25 / 300)                                                                                                                            | 64 / 762 (25 / 300)                                                                                                                            | 76 / 762 (30 / 300)                                                                                                      | 76 / 1270 (30 / 500)                                                                                                                                                                                                           | 76 / 1270 (30 / 500)                                                                                                                                                                                                                     | 76 / 1270 (30 / 500)                                                                                                                                                                                                         | 76 / 1270 (30 / 500)                                                                                                                                                                                              | 76 / 1270 (30 / 500)                                                                                                                                                                                                                     |
| Lens Adjustment                                       | Manual                                                                                                                                         | Manual                                                                                                                                         | Manual                                                                                                                                         | Manual                                                                                                                   | Manual                                                                                                                                                                                                                         | Manual                                                                                                                                                                                                                                   | Manual                                                                                                                                                                                                                       | Manual                                                                                                                                                                                                            | Manual                                                                                                                                                                                                                                   |
| Connectors                                            | 2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 2 x Audio In, 1x Micro In, 1 x RGB Out, 1 x Audio Out, optional WLAN | 2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 2 x Audio In, 1x Micro In, 1 x RGB Out, 1 x Audio Out, optional WLAN | 2 x HDMI, 1 x RGB In, S-Video, PC Control, RCA In, 2 x USB A, USB B, LAN, 2 x Audio In, 1x Micro In, 1 x RGB Out, 1 x Audio Out, optional WLAN | 2 x HDMI, 1 x RGB In, PC Control, RCA In, 1 x USB A, USB B, LAN, 2 x Audio In, 1 x RGB Out, 1 x Audio Out, optional WLAN | 2 x HDMI (with HDCP), Display-Port, 1 x RGB In, 1 x 5BNC (shared with Video/S-Video Component Signal), 1 x HDMI Out, 1 x D-Sub9pin, 1 x USB A, 1 x Audio Out, 5 x Audio In, 1 x 3D Sync Out, 1 x Remote In, LAN, optional WLAN | 2 x HDMI (with HDCP), Display-Port, 1 x RGB In, 1 x 5BNC (shared with Video/S-Video Component Signal), 1 x HDBase, 1 x HDMI Out, 1 x D-Sub 9pin(PC Control), 1 x USB A, 1 x Audio Out, LAN, 6 x Audio In, 1 x 3D Sync Out, 1 x Remote In | 2 x HDMI (with HDCP), Display-Port, 1 x RGB In, 1 x 5BNC (shared with Video/S-Video Component Signal), 1 x HDBaseT, 1 x HDMI Out, 1 x D-Sub9pin, 1 x USB A, 1 x Audio Out, 6 x Audio In, 1 x 3D Sync Out, 1 x Remote In, LAN | 2 x HDMI (with HDCP), Display-Port, 1 x RGB In, 1 x 5BNC (shared with Video / S-Video Component Signal), 1 x HDMI Out, 1 x USB A, 1 x Audio Out, 5 x Audio In, 1 x 3D Sync Out, 1 x Remote In, LAN, optional WLAN | 2 x HDMI (with HDCP), Display-Port, 1 x RGB In, 1 x 5BNC (shared with Video/S-Video Component Signal), 1 x HDBase, 1 x HDMI Out, 1 x D-Sub 9pin(PC Control), 1 x USB A, 1 x Audio Out, LAN, 6 x Audio In, 1 x 3D Sync Out, 1 x Remote In |
| Power: (High Bright / ECO / ) [W]                     | 274 / 231                                                                                                                                      | 292 / 231                                                                                                                                      | 292 / 231                                                                                                                                      | 442 / 347                                                                                                                | 460 / 362                                                                                                                                                                                                                      | 460 / 362                                                                                                                                                                                                                                | 460 / 362                                                                                                                                                                                                                    | 460 / 362                                                                                                                                                                                                         | 460 / 362                                                                                                                                                                                                                                |
| Power Network Stand-by Mode [W]                       | 2.8                                                                                                                                            | 2.8                                                                                                                                            | 2.8                                                                                                                                            | 2                                                                                                                        | 4.9                                                                                                                                                                                                                            | 7.9                                                                                                                                                                                                                                      | 7.9                                                                                                                                                                                                                          | 7.9                                                                                                                                                                                                               | 7.9                                                                                                                                                                                                                                      |
| Power Saving Mode [W]                                 | 0.4                                                                                                                                            | 0.4                                                                                                                                            | 0.4                                                                                                                                            | 0.3                                                                                                                      | 0.16                                                                                                                                                                                                                           | 0.16                                                                                                                                                                                                                                     | 0.16                                                                                                                                                                                                                         | 0.16                                                                                                                                                                                                              | 0.16                                                                                                                                                                                                                                     |
| Lamp Power: Normal / ECO [W/UHP AC]                   | 240 / 163                                                                                                                                      | 270 / 163                                                                                                                                      | 270 / 163                                                                                                                                      | Laser Light Source                                                                                                       | 350 / 264                                                                                                                                                                                                                      | 350 / 264                                                                                                                                                                                                                                | 330 / 264                                                                                                                                                                                                                    | 350 / 264                                                                                                                                                                                                         | 350 / 264                                                                                                                                                                                                                                |
| Lamp Life: Hi Br / Normal / ECO [hrs.]                | 4000 / 5000 / 6000                                                                                                                             | 3500 / 4000 / 6000                                                                                                                             | 3500 / 4000 / 6000                                                                                                                             | 20000                                                                                                                    | - / 3000 / 4000                                                                                                                                                                                                                | - / 3000 / 4000                                                                                                                                                                                                                          | - / 3000 / 4000                                                                                                                                                                                                              | - / 3000 / 4000                                                                                                                                                                                                   | - / 3000 / 4000                                                                                                                                                                                                                          |
| Dimensions (W x H x D) [mm]                           | 398 x 115 x 282                                                                                                                                | 398 x 115 x 282                                                                                                                                | 398 x 115 x 282                                                                                                                                | 469 x 137 x 365                                                                                                          | 499 x 142 x 359                                                                                                                                                                                                                | 499 x 142 x 359                                                                                                                                                                                                                          | 499 x 142 x 359                                                                                                                                                                                                              | 500 x 142 x 359                                                                                                                                                                                                   | 501 x 142 x 359                                                                                                                                                                                                                          |
| Weight [kg]                                           | 4.1                                                                                                                                            | 4.1                                                                                                                                            | 4.1                                                                                                                                            | 8.8                                                                                                                      | 8.4                                                                                                                                                                                                                            | 8.4                                                                                                                                                                                                                                      | 8.4                                                                                                                                                                                                                          | 8.4                                                                                                                                                                                                               | 8.4                                                                                                                                                                                                                                      |
| Speakers [W]                                          | 1 x 16                                                                                                                                         | 1 x 16                                                                                                                                         | 1 x 16                                                                                                                                         | 1 x 20                                                                                                                   | 1 x 10                                                                                                                                                                                                                         | 1 x 10                                                                                                                                                                                                                                   | 1 x 10                                                                                                                                                                                                                       | 1 x 10                                                                                                                                                                                                            | 1 x 10                                                                                                                                                                                                                                   |

## PX SERIES

24/7 REFERENCE PERFORMANCE  
DUAL LAMP, BEST QUALITY TECHNOLOGY  
DISPLAYPORT, LAN, INTEGRATED OPS SLOT

7000 | 7500 | 8000 ANSI LUMEN  
XGA | WXGA | WUXGA



## PH SERIES

3 CHIP DLP, HIGH-END PERFORMANCE, OPS SLOT  
VERTICAL AND HORIZONTAL MOTORISED LENS SHIFT

11000 | 12000 | 13500 ANSI LUMEN  
WUXGA



| PA572W                                                                                                                                                                                                                                                                                  | PA722X                                                                                                                                                                                                                                                                                  | PX700W                                                                                                                                                            | PX750U                                                                                                                                                            | PX800X                                                                                                                                                            | PX602UL                                                        | PX602WL                                                        | PH1000U                                                                                                                                                         | PH1400U                                                                                                                                                                       | PH1201QL*                             | PH1202HL                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------|
| 60003641                                                                                                                                                                                                                                                                                | 60003446                                                                                                                                                                                                                                                                                | 60003828                                                                                                                                                          | 60003829                                                                                                                                                          | 60003830                                                                                                                                                          | 60003795 (BK),<br>60003695 (WH)                                | 60003794 (BK),<br>60003696 (WH)                                | 60003275                                                                                                                                                        | 60003442                                                                                                                                                                      | 60003698                              | 60003902                                                                      |
| LCD                                                                                                                                                                                                                                                                                     | LCD                                                                                                                                                                                                                                                                                     | DLP                                                                                                                                                               | DLP                                                                                                                                                               | DLP                                                                                                                                                               | DLP                                                            | DLP                                                            | 3-chip DLP                                                                                                                                                      | 3-chip DLP                                                                                                                                                                    | DC4K Chip -<br>DLP™ Technology        | 3-chip DLP™<br>Technology                                                     |
| 16:10                                                                                                                                                                                                                                                                                   | 4:3                                                                                                                                                                                                                                                                                     | 16:10                                                                                                                                                             | 16:10                                                                                                                                                             | 4:3                                                                                                                                                               | 16:10                                                          | 16:10                                                          | 16:10                                                                                                                                                           | 16:10                                                                                                                                                                         | 19:10                                 | 16:10                                                                         |
| 1280 x 800<br>(WXGA)                                                                                                                                                                                                                                                                    | 1024 x 768<br>(XGA)                                                                                                                                                                                                                                                                     | 1280 x 800<br>(WXGA)                                                                                                                                              | 1920 x 1200<br>(WUXGA)                                                                                                                                            | 1024 x 768<br>(XGA)                                                                                                                                               | 1920x1200<br>(WUXGA)                                           | 1280 x 800<br>(WXGA)                                           | 1920 x 1200<br>(WUXGA)                                                                                                                                          | 1920 x 1200<br>(WUXGA)                                                                                                                                                        | 4096 x 2160                           | 1920 x 1080<br>(1080p)                                                        |
| 5700                                                                                                                                                                                                                                                                                    | 7200                                                                                                                                                                                                                                                                                    | 7000                                                                                                                                                              | 7500                                                                                                                                                              | 8000                                                                                                                                                              | 6000                                                           | 6000                                                           | 11000                                                                                                                                                           | 13500                                                                                                                                                                         | 12000                                 | 12000                                                                         |
| 80                                                                                                                                                                                                                                                                                      | 80                                                                                                                                                                                                                                                                                      | 80                                                                                                                                                                | 80                                                                                                                                                                | 80                                                                                                                                                                | 80                                                             | 80                                                             | 75                                                                                                                                                              | 75                                                                                                                                                                            | 75                                    | 75                                                                            |
| 5000:1                                                                                                                                                                                                                                                                                  | 5000:1                                                                                                                                                                                                                                                                                  | 2100:1 DB™                                                                                                                                                        | 2100:1 DB™                                                                                                                                                        | 2100:1 DB™                                                                                                                                                        | 10000:1                                                        | 10000:1                                                        | 2000:1                                                                                                                                                          | 2000:1                                                                                                                                                                        | 2000:1                                | 10000:1                                                                       |
| optional                                                                                                                                                                                                                                                                                | optional                                                                                                                                                                                                                                                                                | optional                                                                                                                                                          | optional                                                                                                                                                          | optional                                                                                                                                                          | optional                                                       | optional                                                       | optional                                                                                                                                                        | optional                                                                                                                                                                      | optional                              | optional                                                                      |
| 6                                                                                                                                                                                                                                                                                       | 6                                                                                                                                                                                                                                                                                       | 7 (6 with Lens<br>Memory)                                                                                                                                         | 7 (6 with Lens<br>Memory)                                                                                                                                         | 7 (6 with Lens<br>Memory)                                                                                                                                         | 5                                                              | 5                                                              | 7 (6 with Lens<br>Memory)                                                                                                                                       | 7 (6 with Lens<br>Memory)                                                                                                                                                     | 9 with LM                             | 6 with LM                                                                     |
| 1.5-3.02:1<br>(NP13ZL)                                                                                                                                                                                                                                                                  | 1.5-3.02:1<br>(NP13ZL)                                                                                                                                                                                                                                                                  | 0.76:1 & 1.25-<br>8.3:1                                                                                                                                           | 0.76:1 & 1.25-<br>8.3:1                                                                                                                                           | 0.76:1 & 1.25-<br>8.3:1                                                                                                                                           | 0.75:1 - 5.50:1                                                | 0.79:1 - 5.78:1                                                | 0.67:1 & 0.9-<br>6.96:1                                                                                                                                         | 0.67:1 & 0.9-<br>6.96:1                                                                                                                                                       | 0.9:1 &<br>1.13:1 - 7.4:1             | 0.9:1 - 6.76:1                                                                |
| 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                                                                           | 0.7 (NP11FL)<br>76.4 (NP15ZL)                                                                                                                                                                                                                                                           | 0.8 (NP16FL)<br>54 (NP21ZL)                                                                                                                                       | 0.8 (NP16FL)<br>54 (NP21ZL)                                                                                                                                       | 0.8 (NP16FL)<br>54 (NP21ZL)                                                                                                                                       | 1.02 – 19.39                                                   | 1.02 – 19.39                                                   | 1.1 (NP25FL)<br>74 (NP29ZL)                                                                                                                                     | 1.1 (NP25FL)<br>74 (NP29ZL)                                                                                                                                                   | depending on<br>lens selection        | depending on<br>lens selection                                                |
| 77 / 1270<br>(30 / 500)                                                                                                                                                                                                                                                                 | 77 / 1270<br>(30 / 500)                                                                                                                                                                                                                                                                 | 127 / 762<br>(50 / 300)                                                                                                                                           | 127 / 762<br>(50 / 300)                                                                                                                                           | 127 / 762<br>(50 / 300)                                                                                                                                           | 127 / 762<br>(50 / 300)                                        | 127 / 762<br>(50 / 300)                                        | 203 / 1270<br>(80 / 500)                                                                                                                                        | 203 / 1720<br>(80 / 500)                                                                                                                                                      | tbd                                   | 1524 / 152<br>(600 / 60)                                                      |
| Manual                                                                                                                                                                                                                                                                                  | Manual                                                                                                                                                                                                                                                                                  | Motorised                                                                                                                                                         | Motorised                                                                                                                                                         | Motorised                                                                                                                                                         | Motorised                                                      | Motorised                                                      | Motorised                                                                                                                                                       | Motorised                                                                                                                                                                     | Motorised                             | Motorised                                                                     |
| 2 x HDMI (with<br>HDCP), Display-<br>Port, 1 x RGB In,<br>1 x 5BNC (shared<br>with Video/S-<br>Video Component<br>Signal), 1 x<br>HDBase,<br>1 x HDMI Out, 1<br>x D-Sub 9pin(PC<br>Control), 1 x USB<br>A, 1 x Audio Out,<br>LAN,<br>6 x Audio In, 1 x<br>3D Sync Out, 1 x<br>Remote In | 2 x HDMI (with<br>HDCP), Display-<br>Port, 1 x RGB In,<br>1 x 5BNC (shared<br>with Video/S-<br>Video Component<br>Signal), 1 x<br>HDBase,<br>1 x HDMI Out, 1<br>x D-Sub 9pin(PC<br>Control), 1 x USB<br>A, 1 x Audio Out,<br>LAN,<br>6 x Audio In, 1 x<br>3D Sync Out, 1 x<br>Remote In | HDMI, Display-<br>Port,<br>3 x RGB In,<br>S-Video, LAN, PC<br>Control,<br>2 x USB A, RCA In,<br>1 x RGB out,<br>Remote in,<br>optional WLAN,<br>1 x Optional Slot | HDMI, Display-<br>Port,<br>3 x RGB In,<br>S-Video, LAN, PC<br>Control,<br>2 x USB A, RCA In,<br>1 x RGB out,<br>Remote in,<br>optional WLAN,<br>1 x Optional Slot | HDMI, Display-<br>Port,<br>3 x RGB In,<br>S-Video, LAN, PC<br>Control,<br>2 x USB A, RCA In,<br>1 x RGB out,<br>Remote in,<br>optional WLAN,<br>1 x Optional Slot | HDMI, Display-<br>Port,<br>1 x RGB In,<br>1 x 5BNC,<br>HDBaseT | HDMI, Display-<br>Port,<br>1 x RGB In,<br>1 x 5BNC,<br>HDBaseT | HDMI,<br>DisplayPort,<br>3 x RGB In,<br>S-Video, LAN,<br>PC Control,<br>2 x USB A, RCA In,<br>1 x RGB out,<br>Remote in,<br>optional WLAN,<br>1 x Optional Slot | HDMI,<br>DisplayPort,<br>3 x RGB In,<br>S-Video, LAN,<br>PC Control,<br>2 x USB A, RCA In,<br>1 x RGB Out,<br>Remote In,<br>optional WLAN,<br>3D DVI In,<br>1 x Optional Slot | 2 x DVI-D,<br>2 x HDMI,<br>4 x 3G-SDi | 1 x DisplayPort,<br>1 x HDBaseT,<br>1 x HDMI™,<br>1 x HDMI<br>supporting HDCP |
| 460 / 362                                                                                                                                                                                                                                                                               | 460 / 362                                                                                                                                                                                                                                                                               | 494 / 405                                                                                                                                                         | 515 / 429                                                                                                                                                         | 489 / 404                                                                                                                                                         | 550 / 270                                                      | 550 / 270                                                      | 580 / 490                                                                                                                                                       | 705 / 585                                                                                                                                                                     | 1600                                  | 1392 / 752                                                                    |
| 7.9                                                                                                                                                                                                                                                                                     | 7.9                                                                                                                                                                                                                                                                                     | 18                                                                                                                                                                | 23                                                                                                                                                                | 18                                                                                                                                                                | < 6                                                            | < 6                                                            | 60                                                                                                                                                              | 60                                                                                                                                                                            | tbd                                   | tbd                                                                           |
| 0.16                                                                                                                                                                                                                                                                                    | 0.16                                                                                                                                                                                                                                                                                    | 0.4                                                                                                                                                               | 0.4                                                                                                                                                               | 0.4                                                                                                                                                               | < 0.5                                                          | < 0.5                                                          | 0.5                                                                                                                                                             | 0.5                                                                                                                                                                           | tbd                                   | 0.5                                                                           |
| 330 / 264                                                                                                                                                                                                                                                                               | 350 / 264                                                                                                                                                                                                                                                                               | 2 x 400 / 2 x 320                                                                                                                                                 | 2 x 400 / 2 x 320                                                                                                                                                 | 2 x 400 / 2 x 320                                                                                                                                                 | Laser Light Source                                             |                                                                | 2 x 400 / 2 x 320                                                                                                                                               | 2 x 465 / 2 x 365                                                                                                                                                             | tbd                                   | tbd                                                                           |
| - / 3000 / 4000                                                                                                                                                                                                                                                                         | - / 3000 / 4000                                                                                                                                                                                                                                                                         | - / 2000 / 2500                                                                                                                                                   | - / 2000 / 2500                                                                                                                                                   | - / 2000 / 2500                                                                                                                                                   | 20000                                                          | 20000                                                          | - / 2000 / 2500                                                                                                                                                 | - / 2500 / 3000                                                                                                                                                               | 20000                                 | - / 20000 / 30000                                                             |
| 502 x 142 x 359                                                                                                                                                                                                                                                                         | 503 x 142 x 359                                                                                                                                                                                                                                                                         | 504 x 192 x 516                                                                                                                                                   | 504 x 192 x 516                                                                                                                                                   | 504 x 192 x 516                                                                                                                                                   | 484 x 195 x 509                                                | 484 x 195 x 509                                                | 578 x 235 x 558                                                                                                                                                 | 558 x 235 x 578                                                                                                                                                               | 700 x 323 x 935                       | 680 x 333 x 860                                                               |
| 8.4                                                                                                                                                                                                                                                                                     | 8.4                                                                                                                                                                                                                                                                                     | 19.7                                                                                                                                                              | 19.7                                                                                                                                                              | 19.7                                                                                                                                                              | 18.5                                                           | 18.5                                                           | 39                                                                                                                                                              | 39                                                                                                                                                                            | 67.5                                  | 68                                                                            |
| 1 x 10                                                                                                                                                                                                                                                                                  | 1 x 10                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                 | -                                                                                                                                                                 | -                                                                                                                                                                 | -                                                              | -                                                              | -                                                                                                                                                               | -                                                                                                                                                                             | -                                     | -                                                                             |

\* Specification subject to change until launch

# DIGITAL CINEMA / PROJECTOR OPTIONS

|                          | NC900C                                                                                                                         | NC1200C                                                                                                                                                    | NC1201L *                                                                                                                            | NC2000C                                                                                                                                                     | NC3200S                                                                                                                                              | NC3240S                                                                                                                                              | NC1040L                                                                                                                                     | NC1440L                                                                                                                                     | NC1100L                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Order Code               | 60003356                                                                                                                       | 60002948                                                                                                                                                   | 60003926                                                                                                                             | 60002815                                                                                                                                                    | 60002816                                                                                                                                             | 60003070                                                                                                                                             | 60003623                                                                                                                                    | 60003664                                                                                                                                    | 60003700                                                                                                 |
| DMD                      | 3-chip DMD reflection method                                                                                                   | 3-chip DMD reflection method                                                                                                                               | 3-chip DMD reflection method                                                                                                         | 3 x 0.98" Chip DLP™                                                                                                                                         | 3-chip DMD reflection method                                                                                                                         | 3-chip DMD reflection method                                                                                                                         | 3-chip DMD reflection method                                                                                                                | 3-chip DMD reflection method                                                                                                                | 3-chip DMD reflection method                                                                             |
| Screen Sizes             | up to 9.5 m in DCI Colour                                                                                                      | 4 to 14 m                                                                                                                                                  | up to 12 m                                                                                                                           | up to 20 m                                                                                                                                                  | up to 32 m                                                                                                                                           | up to 32 m                                                                                                                                           | up to 9.5 m                                                                                                                                 | up to 14 m                                                                                                                                  | up to 11 m                                                                                               |
| Light Source             | 350 W x 2 NSH Lamps                                                                                                            | max 2.0KW                                                                                                                                                  | Laser Light Source                                                                                                                   | max 4.0KW                                                                                                                                                   | High-efficiency Xenon lamp options (7KW)                                                                                                             | High-efficiency Xenon lamp options (7KW)                                                                                                             | External Laser Light source connected by fiber tube                                                                                         | Laser Light Source                                                                                                                          | Laser Light Source                                                                                       |
| Contrast Ratio           | 1800:1 (full on/off)                                                                                                           | > 2200:1 (full on/off)                                                                                                                                     | 1650:1                                                                                                                               | > 2200:1 (full on/off)                                                                                                                                      | > 2200:1 (full on/off)                                                                                                                               | > 2000:1 (full on/off)                                                                                                                               | 2000:1 (full on/off)                                                                                                                        | 2000:1 (full on/off)                                                                                                                        | 1750:1 (full on/off)                                                                                     |
| DMD Specifications       | 2048 x 1080 Chip: 0.69" DLP                                                                                                    | 0.98", 12° tilt angle, 2048 x 1080 pixels                                                                                                                  | 2048 x 1080 Chip: 0.69" DLP                                                                                                          | 0.98", 12° tilt angle, 2048 x 1080 pixels                                                                                                                   | 1.25", 12° tilt angle, 2048 x 1080 pixels                                                                                                            | 1.38", 12° tilt angle, 4096 x 2160 pixels                                                                                                            | 1.38", 12° tilt angle, 4096 x 2160 pixels                                                                                                   | 1.38", 4096 x 2160 pixels                                                                                                                   | 2048 x 1080 Chip: 0.69" DLP                                                                              |
| Primary Lenses           | NP-9LS12ZM: 1.2-1.72:1<br>NP-9LS13ZM: 1.33-2.1:1<br>NP-9LS16ZM: 1.62-2.7:1<br>NP-9LS20ZM: 2.09-3.9:1<br>NP-9LS40Z: 4.07-6.34:1 | 1.2 to 1.8:1 zoom;<br>1.3 to 1.75:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.5:1 zoom | NP-9LS12ZM1: 1.2-1.72:1<br>NP-9LS13ZM1: 1.33-2.1:1<br>NP-9LS16ZM1: 1.62-2.7:1<br>NP-9LS20ZM1: 2.09-3.9:1<br>NP-9LS40ZM1: 4.07-6.34:1 | 1.2 to 1.8:1 zoom;<br>1.3 to 1.75:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.52:1 zoom | 1.25 to 1.45:1 zoom;<br>1.44 to 2.05:1 zoom;<br>1.6 to 2.4:1 zoom;<br>1.8 to 3:1 zoom;<br>2.15 to 3.6:1 zoom;<br>3 to 4.3:1 zoom;<br>4.3 to 6:1 zoom | 1.25 to 1.45:1 zoom;<br>1.44 to 2.05:1 zoom;<br>1.6 to 2.4:1 zoom;<br>1.8 to 3:1 zoom;<br>2.15 to 3.6:1 zoom;<br>3 to 4.3:1 zoom;<br>4.3 to 6:1 zoom | 1.13 to 1.66:1 zoom;<br>1.30 to 1.85:1 zoom;<br>1.44 to 2.16:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom | 1.13 to 1.66:1 zoom;<br>1.30 to 1.85:1 zoom;<br>1.44 to 2.16:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom | NP-9LS12ZM1: 1.2-1.72:1<br>NP-9LS13ZM1: 1.33-2.1:1<br>NP-9LS16ZM1: 1.62-2.7:1<br>NP-9LS20ZM1: 2.09-3.9:1 |
| Dimension W x H x D [mm] | 621 x 314 x 798                                                                                                                | 700 x 503 x 990                                                                                                                                            | 680 x 333 x 860                                                                                                                      | 700 x 503 x 990                                                                                                                                             | 700 x 503 x 1,124                                                                                                                                    | 700 x 503 x 1,124                                                                                                                                    | 737 x 364 x 1,042                                                                                                                           | 737 x 364 x 1,042                                                                                                                           | 700 x 314 x 1042                                                                                         |
| Cooling Method           | Air cooling with dust-preventing electrostatic filter                                                                          | Liquid Cooling system with dust preventing electrostatic filter. Total thermal dissipation: 10,600 BTU. Projector exhaust: 10m³/min                        | Circulating air cooling system                                                                                                       | Liquid Cooling system with dust preventing electrostatic filter. Total thermal dissipation: 18,800 BTU. Demand of Exhaust Duct 13CMM                        | Liquid Cooling inside, air cooling with dust preventing electrostatic filter. Total thermal dissipation: 35,500 BTU. Demand of Exhaust Duct 16CMM    | Liquid Cooling inside, air cooling with dust preventing electrostatic filter. Total thermal dissipation: 35,850 BTU. Demand of Exhaust Duct 16CMM    | Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO                                    | Liquid Cooling inside, air cooling with dust preventing electrostatic filter; Demand of exhaust duct: NO                                    | Air cooling with dust-preventing electrostatic filter                                                    |

\* Specification subject to change until launch

For more detailed information please visit: [www.digital-cinema-nec.com](http://www.digital-cinema-nec.com)

| OPTION v PROJECTOR           |            | Value         |      |       |       |       |       | Multi-Purpose |       |       |       |       |       |       |       |       |       | Short Throw |        |        |        |        |
|------------------------------|------------|---------------|------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|--------|--------|--------|
|                              |            | V230X         | V260 | V260X | V281W | V311W | V311X | M230X         | M271X | M271W | M311X | M311W | M322X | M322W | M361X | M362W | M402W | M420X       | M260XS | M302WS | M332XS | M352WS |
| OPTION                       | ORDER CODE | COMPATIBILITY |      |       |       |       |       |               |       |       |       |       |       |       |       |       |       |             |        |        |        |        |
| PJ03WHA                      | 100012976  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ●      | ●      | ●      |
| PJ03WHM                      | 100013024  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ●      | ●      | ●      |
| NP02HM                       | 100012781  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ●      | ●      | ●      |
| PJ03MHA *                    | 100013384  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ●      | ●      | ●      |
| NP02WK                       | 100012810  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ○      | ○      | ○      |
| NP03WK                       | 100012864  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | ○      | ○      | ○      |
| NP04WK                       | 100013142  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | -      | -      | -      |
| NP05WK                       | 100013622  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | ●      | ●      | ●      |
| Wall Mount included          |            | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | -      | -      | -      |
| NP02UCM                      | 100012433  | ●             | ●    | ●     | ●     | ●     | ●     | ●             | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●           | ●      | ●      | ●      | ●      |
| NP03UCM                      | 100012434  | ●             | ●    | ●     | ●     | ●     | ●     | ●             | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●           | ●      | ●      | ●      | ●      |
| NP04UCM                      | 100012435  | ●             | ●    | ●     | ●     | ●     | ●     | ●             | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●           | ●      | ●      | ●      | ●      |
| NP05UCM                      | 100012436  | ●             | ●    | ●     | ●     | ●     | ●     | ●             | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●           | ●      | ●      | ●      | ●      |
| NP70CM                       | 100012901  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | -      | -      | -      |
| NP01Wi1 (incl. Mouse Driver) | 60003314   | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | -      | -      | -      |
| NP01Wi2 (incl. Software)     | 60003315   | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | ●      | -      | -      | -      |
| NP02Wi                       | 100013065  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | -      | -      | -      |
| NP03Wi                       | 100013602  | -             | -    | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | ●      | ●      | ●      |
| NP02GL (3D Glasses)          | 100012946  | ●             | ●    | ●     | ●     | ●     | ●     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | ●      | ●      | ●      |
| VPOP-01000 (3D Glasses)      | 1000135777 | ●             | ●    | ●     | ●     | ●     | ●     | -             | -     | -     | -     | -     | -     | -     | -     | -     | -     | -           | -      | ●      | ●      | ●      |

| OPTION v PROJECTOR           |            | Ultra Short Throw |        |        |        |        | Installation |       |       |        |        |        |        |        |        |        |        |         |         |        |        |        |        |        |        |        |  |
|------------------------------|------------|-------------------|--------|--------|--------|--------|--------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--|
|                              |            | U310W             | UM280X | UM280W | UM330X | UM330W | P401W        | P451W | P501X | PE401H | PA500U | PA500X | PA550W | PA600X | PX700W | PX750U | PX800X | PH1000U | PH1400U | PA621U | PA622U | PA522U | PA671W | PA672W | PA572W | PA722X |  |
| OPTION                       | ORDER CODE | COMPATIBILITY     |        |        |        |        |              |       |       |        |        |        |        |        |        |        |        |         |         |        |        |        |        |        |        |        |  |
| PJ03WHA                      | 100012976  | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| PJ03WHM                      | 100013024  | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP02HM                       | 100012781  | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| PJ03MHA                      | 100013384  | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP02WK                       | 100012810  | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP03WK                       | 100012864  | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP04WK                       | 100013142  | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP05WK                       | 100013622  | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| Wall Mount included          |            | ●                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP02UCM                      | 100012433  | ●                 | ●      | ●      | ●      | ●      | ●            | ●     | ●     | ●      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP03UCM                      | 100012434  | ●                 | ●      | ●      | ●      | ●      | ●            | ●     | ●     | ●      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP04UCM                      | 100012435  | ●                 | ●      | ●      | ●      | ●      | ●            | ●     | ●     | ●      | ●      | ●      | ●      | ●      | -      | -      | -      | -       | -       | ●      | ●      | ●      | ●      | ●      | ●      | ●      |  |
| NP05UCM                      | 100012436  | ●                 | ●      | ●      | ●      | ●      | ●            | ●     | ●     | ●      | ●      | ●      | ●      | ●      | -      | -      | -      | -       | -       | ●      | ●      | ●      | ●      | ●      | ●      | ●      |  |
| NP70CM                       | 100012901  | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | ●      | ●      | ●      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP01Wi1 (incl. Mouse Driver) | 60003314   | ●                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP01Wi2 (incl. Software)     | 60003315   | ●                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP02Wi                       | 100013065  | -                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP03Wi                       | 100013602  | -                 | ●      | ●      | ●      | ●      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| NP02GL (3D Glasses)          | 100012946  | ●                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| VPOP-01000 (3D Glasses)      | tbd.       | ●                 | -      | -      | -      | -      | -            | -     | -     | ●      | -      | -      | -      | -      | -      | -      | -      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| PJ01FPA                      | tbd.       | -                 | -      | -      | -      | -      | -            | -     | -     | -      | ●      | ●      | ●      | ●      | -      | -      | -      | -       | -       | ●      | ●      | ●      | ●      | ●      | ●      | ●      |  |
| PJ01FPX                      | tbd.       | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | ●      | ●      | ●      | -       | -       | -      | -      | -      | -      | -      | -      | -      |  |
| PJ01FPH                      | tbd.       | -                 | -      | -      | -      | -      | -            | -     | -     | -      | -      | -      | -      | -      | -      | -      | -      | ●       | ●       | -      | -      | -      | -      | -      | -      | -      |  |

| CEILING MOUNT FEATURES |            | Maximum Load [kg] | Length [mm] | Tilt/ Roll [°] | Swivel [°] |
|------------------------|------------|-------------------|-------------|----------------|------------|
| OPTION                 | ORDER CODE |                   |             |                |            |
| NP02UCM                | 100012433  | 7                 | 500         | 25             | 360        |
| NP03UCM                | 100012434  | 7                 | 750         | 25             | 360        |
| NP04UCM                | 100012435  | 12                | 300 - 350   | 25             | 360        |
| NP05UCM                | 100012436  | 12                | 500 - 750   | 25             | 360        |
| NP70CM                 | 100012901  | 30                | 250         | 25             | -          |

| HEIGHT ADJUSTABLE SYSTEMS |            | Adjustment Type | Height Adjustment [mm] | Weight [kg] | Maximum Load [kg] |
|---------------------------|------------|-----------------|------------------------|-------------|-------------------|
| OPTION                    | ORDER CODE |                 |                        |             |                   |
| PJ03WHA                   | 100012976  | Motorised       | 500                    | 39.6        | 50.0              |
| PJ03WHM                   | 100013024  | Mechanical      | 450                    | 38.0        | 40.0              |
| NP02HM                    | 100012781  | Motorised       | 675                    | 48.0        | 50.0              |
| PJ03MHA                   | 100013384  | Motorised       | 500                    | 88.0        | 50.0              |

| MOUNT COMPATIBILITY |            | NP02WK | NP03WK | NP04WK | NP05WK | NP05WK |
|---------------------|------------|--------|--------|--------|--------|--------|
| OPTION              | ORDER CODE |        |        |        |        |        |
| PJ03WHA             | 100012976  | ●      | ●      | ●      | ●      | ●      |
| PJ03WHM             | 100013024  | ●      | ●      | ●      | ●      | ●      |
| NP02HM              | 100012781  | ●      | ●      | ●      | ●      | ●      |
| PJ03MHA             | 100013384  | ●      | ●      | ●      | ●      | ●      |
| NP01Wi1             | 60003314   | ●      | ●      | ●      | ●      | -      |
| NP01Wi2             | 60003315   | ●      | ●      | ●      | ●      | -      |
| NP02Wi              | 100013065  | ●      | ●      | ●      | ●      | -      |
| NP03Wi              | 100013602  | -      | -      | -      | -      | ●      |

| WALL MOUNT FEATURES |            | Height Adjustment [mm] | Weight [kg] |
|---------------------|------------|------------------------|-------------|
| OPTION              | ORDER CODE |                        |             |
| PJ03WHA             | 100012976  | 450                    | 39.6        |
| PJ03WHM             | 100013024  | 500                    | 38          |
| NP02WK              | 100012810  | 50                     | 7.2         |
| NP03WK              | 100012864  | 50                     | 10.5        |
| NP04WK              | 100013142  | +/-40                  | 9.3         |
| NP05WK              | 100013622  | +/-40                  | 13.7        |

\* Whiteboard not included

# SOFTWARE

## NEC DISPLAYNOTE

### Next Generation Interactive Learning

DisplayNote, NEC Edition, is the latest interactive whiteboard tablet solution, which combines advanced collaboration tools with the market leading utilities available with NEC Projectors and Large Format Displays to create the ideal collective presentation solution for learning establishments.

Users can present, share and collaborate ideas and presentations across all major platforms (Windows, Android, Apple, Linux and iOS) and any connected device, such as an iPad, Android tablet, smartphone, netbook or laptop.

For more detailed information please visit: [www.displaynote-nec.com](http://www.displaynote-nec.com)



## NAVISET ADMINISTRATOR 2

### All-in-one support system for NEC Desktops, Projectors and Large Format Displays

NaViSet Administrator 2 is an all-in-one remote support solution that manages the majority of NEC display devices and Windows computers. It is ideal for multidevice installations over larger infrastructures, for example in the corporate/large businesses, transportation, energy and utility, leisure and museum, finance, retail industries.

The NaViSet Administrator 2 software is designed to run from a central location and provides monitoring, asset management and control functionality of remote displays via LAN or serial connections.

For more detailed information please visit: [www.nec-display-solutions.com/naviset](http://www.nec-display-solutions.com/naviset)



## VUKUNET

### The Engine that Powers the DOOH Industry

VUKUNET is an internet-based AdServing platform that connects all DOOH media networks in order to simplify planning, buying and the delivery of an advertising campaign. Developed by NEC it forms part of a market leading suite of digital signage products and services.

VUKUNET turns any internet connected screen into an advertising face which can generate incremental revenue for screen owner.

For more detailed information please visit: [www.vukunet-nec.com](http://www.vukunet-nec.com)



## HIPERWALL VIDEO WALL SOLUTION

### Videowall Content and Source Management Software

Hiperwall is an ultra high resolution software package for an endless number of displays which is scalable in size and eliminates costly servers, matrix switches and distributors.

It enables customers to connect an infinite number of sources to a videowall and freely determine size and position of this content.

Hiperwall also provides advanced capabilities like zoom, rotation, shading and transparency, enabling users to examine content with increased flexibility and effectiveness.



## NEC LEAFENGINE

### Context Aware Digital Signage with leafengine



The leafengine middleware transforms digital signage installations into interactive experiences, reacting to the visitor's input, customizing the content and gathering the rich market data all these processes generate.

Such a goal typically required selecting, integrating and maintaining an ever-changing, ever-updating number sensors into the player software.

The leafengine, on the other hand, is designed to overcome this complexity and enable access to a broad catalogue of sensors, including gender and age classification, proximity detection, NFC , QR-Codes, touch and many other

For more detailed information please visit: [www.leafengine.com](http://www.leafengine.com)



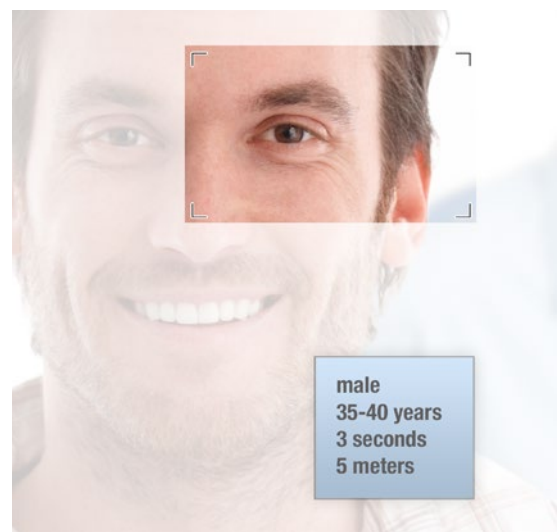
## NEC FIELDANALYST

### Anonymous Video Analytics (AVA)

FieldAnalyst is a software solution which automatically detects human faces from images captured by video cameras, and estimates the number of visitors and exits, gender and age group, which are digitalized for output in real time.

The software collects and processes this information for marketing analysis or real-time effective advertising using digital signage.

FieldAnalyst enables you to automatically conduct various marketing analysis that have relied on human work until now. The advantages of this NEC solution are speed, accuracy and the ability to integrate into other real-time analysis or reaction based solutions.



# NEC ReTrade

## TRADE IN YOUR OLD PROJECTOR WHEN YOU TRADE-UP TO NEC

Make your next Projector purchase an NEC and you could trade-in your old projector for cash and take comfort that you are doing your part in preserving resources and creating a sustainable environment.

Further detailed information on the ReTrade programme is available at [www.nec-display-solutions.com/retrade](http://www.nec-display-solutions.com/retrade)



# NEC Green Vision

## GREEN WITHOUT COMPROMISE

With our 'Green Vision' Environmental Initiative, NEC strive to help to create a sustainable society friendly to humans and our planet.

### INTUITIVE ECO MODES

One Click or Auto ECO Modes, help you reduce your projector or display power use when it is not needed, allowing optimum brightness and maximum energy efficiency at all times.

### AV MUTE

Save 75% Lamp Power by simply sliding the projector cover across. When you slide it back the image instantly reappears.

### HUMAN AND AMBIENT LIGHT SENSORS

The Human Sensor ensures your display is only working when you are, as it detects your presence at the desk, ambient light and luminance sensors also make intelligent adjustments to your displayed image to help to save power.

For more detailed information please visit:  
[www.green-vision-nec.com](http://www.green-vision-nec.com)



# NEC Serviceplus

## A COMMITMENT TO QUALITY

NEC **serviceplus** takes that philosophy further for the entire sales cycle from pre-sales through to the replacement phase. We take the guessing out of installing and managing a Display Solution inventory over a standard or extended lifecycle. Our customers can concentrate on their business activities, confident that their IT infrastructure is underwritten by the **serviceplus** promise.

- 5 years warranty
- Ad hoc warranty extension
- 24/7 for selected displays and projectors
- De-/Re-install service



For more detailed information please visit:  
[www.nec-display-solutions.com](http://www.nec-display-solutions.com) / Choose support



# GLOSSARY

## BEHIND THE TECHNOLOGY

The NEC REFERENCE designation is awarded to our products and solutions which through their performance and benefits we consider to be the market benchmark for our customers. The logo is a tangible reminder of our high quality, performance-driven Japanese heritage, our focus on award-winning design flair and our passion for state of the art leadership in innovation and meeting the demands of our customers in the most challenging applications.

Our Reference Displays and Projectors are trusted across the world in Airports, Hospitals, Arenas and Cinemas, Corporates and Institutions, where performance is critical.



|                                                                                     |                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>This logo is used to indicate that a product or series of products has ECO innovations that help to reduce the energy use associated with the product and/ or offers greater productivity from the same resource.</p>                                                                  |
|  | <p>The NEC Green Vision logo, representing NEC's mission to help to create a sustainable society.</p>                                                                                                                                                                                     |
|  | <p>NeCycle™, which is the brand name of NEC's newly developed bioplastics, indicates a new style of recycling: a recycling of the material itself as well as a recycling of the CO<sub>2</sub> that is absorbed by the plant component that constitutes the material's main resource.</p> |
|  | <p>Selected NEC Projectors and Digital Cinema Products are able to reproduce content in Stereoscopic 3D. The 3D NEC logo is an indication that a product can playback 3D media. For further information please visit our website <a href="http://www.3d-nec.com">www.3d-nec.com</a></p>   |
|  | <p>LED Projectors generate their image in a more efficient way than conventional LCD or DLP projection. They are able to operate at considerably lower power consumption and within a smaller chassis. This logo is displayed for LED Projectors only.</p>                                |
|  | <p>LED Backlighting is integrated into some of our Desktop and Large Format Displays as either Direct LED Backlighting or Edge LED Backlighting. This Logo is used to indicate LED backlit displays that operate at lower power and in a smaller chassis.</p>                             |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>GB-R LED backlighting offers mercury-free and low energy rear illumination in LCD monitors, but with the full AdobeRGB colour gamut performance.</p>                                                                                                                                                                              |
|  | <p>NEC specialise in creating solutions and better value options for the Education Sector. This logo indicates where such special solutions or promotions including extended warranties are available for Education customers. More information is available at <a href="http://www.education-nec.com">www.education-nec.com</a></p> |
|  | <p>Subject to our terms of use, the standard warranty on NEC display products unless stated otherwise is 3 years return, to manufacturer. For specific terms please request a copy of our warranty terms and conditions.</p>                                                                                                         |
|  | <p>Subject to our terms of use, the standard warranty on NEC projector lamps unless stated otherwise is 6 months, return to manufacturer. For specific terms please request a copy of our warranty terms and conditions.</p>                                                                                                         |
|  | <p>Subject to our terms of use, a warranty extension from 3 years to 5 years return to manufacturer will be available on displays marked with this logo. For specific terms please request a copy of our warranty terms and conditions.</p>                                                                                          |
|  | <p>Subject to our terms of use, where this logo is shown, Displays that have a complete pixel failure within the first 6 months of use will be repaired or exchanged under warranty.</p>                                                                                                                                             |
|  | <p>Established in 1953, the iF product design award is today among the most important awards for innovative product design.</p>                                                                                                                                                                                                      |

# PRODUCT OVERVIEW 2015

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