WIDE

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n Series

Maximun Visual Precision

WIDE Corporation

N-Series, The latest medical display solution from WIDE

The rise of digital imaging technology has drastically changed the way that patient data is used and distributed within healthcare environments. Medical images, enriched with patient information, are being shared beyond the radiology department, becoming available throughout the enterprise.WIDE's N-Series utilize the latest research, development, and engineering. Improvements include the most advanced TFT LCD technology, and an intelligent 3rd generation DICOM IQ-Sensor®, all wrapped in a newly styled chassis with an ergonomic look and feel. N-Series displays improve all aspects of the radiology reading room experience. Brightness, image quality, DICOM 3.14 calibration, conformance, and automation all work together to satisfy the most demanding medical image review requirements.

Driving the Future of Diagnostic Imaging Display Technology

The rise of digital imaging technology has drastically changed the way that patient data is used and distributed within healthcare environments. Medical images, enriched with patient information, are being shared beyond the radiology department, becoming available throughout the enterprise. WIDE's N-Series utilize the latest research, development, and engineering. Improvements include the most advanced TFT LCD technology, and an intelligent 3rd generation DICOM IQ-Sensor®, all wrapped in a newly styled chassis with an ergonomic look and feel. N-Series displays improve all aspects of the radiology reading room experience. Brightness, image quality, DICOM 3.14 calibration, conformance, and automation all work together to satisfy the most demanding medical image review requirements.

Protecting the Earth

High Energy Efficient LED >>>

WIDE's new N-Series of displays achieves and maximizes energy efficiency through the use of smart LED technology. Higher brightness, lower energy consumption and longer product life reduce negative environmental impacts traditionally seen in older displays.

Energy Conservation >>>

N-Series displays have been developed to be very energy efficient when in operation, and are designed to consume less than 2 watt when the system is not in use.

ECO Friendly >>>

Designing a line of displays that was not only industry-leading in performance and technology, but at the same time did not harm our environment, was essential. WIDE's new diagnostic displays have been developed and designed with ECO-innovative features, technologies, and recyclable materials without using any harmful substances to fully meet RoHS requirements.

Pixel by Pixel Precision

Wide Viewing Angle Utilizing advanced IPS (In Plane Switching) technology within TFT LCD panels, images seen on the N-Series appear bright, crisp, consistent and uniform from almost any viewing angle. True 10-bit Our 10-bit (10-bit for Red, Green and Blue) TFT LCD technology provides a display with over 1 billion shades of gray for true 10-bit reproduction on screen, bringing you the most precise and accurate grayscale and color expression possible. 14-Bit Look-Up Table (LUT) WIDE's 14-bit LUT provides the display with over 1 billion shades of gray for precise expression on screen. Maximum Luminance Uniformity Achieving luminance uniformity can be very challenging given the manufacturing process of TFT LCD displays. However, WIDE's background knowledge of display technology brings DUC (Digital Uniformity Correction) to the N-Series. DUC helps ensure luminance uniformity across the entire screen - edge to edge. Crystal Clear Protection (Option) Our protective panel adds durability to the delicate LCD display screen, extending its life and preventing much of the normal wear and tear seen on non-protected LCD display screens. WIDE's new protective glass is mounted in a dust-free clean room and coated with double-sided anti-reflective material for transmittance with near zero loss.

Making Imaging more Efficient

3rd Generation Front Sensors for Automatic DICOM Calibration and Conformance WIDE monitors have a newly integrated 3rd generation built-in IQ-Sensor®, combined with bundled network calibration software, that automatically calibrates the diagnostic display to the DICOM 3.14 standard. Along with hands free auto DICOM calibration, the IQ Sensor® utilizes advanced sensor technology for increased accuracy and enhanced sensitivity. Quick Backlight Luminance Stabilization WIDE's on-board luminance correlation sensor, SBC (Self-Brightness Control) continuously monitors to detect any change in backlight luminance and automatically adjusts the backlight to reach its optimum luminance. Digital Ambient Control Sensor (DAC) DAC (Digital Ambient Control) sensor is located at the top of each WIDE diagnostic display to measure ambient lighting within the reading room environment. This is critical to ensuring proper DICOM calibration. If significant changes are observed by the DAC, an optional alert can be sent to the QA administrator. Maximum Versatility WIDE's the N-Series of displays are equipped with both DVI and DisplayPort connectivity. These ports provide faster, more reliable delivery of data, as well as the versatility needed to be plug and play compatible with legacy systems. PrivateLite® (WIDE Patent Protected) Each diagnostic display comes equipped with a built in LED Light, PrivateLite®, perfect for use in a dark reading room when a private, adjustable light source is needed. Most importantly, this can be used without disrupting workflow or altering the ambient light conditions for the entire room. USB Connectivity & Convenience Data portability is crucial when it comes to time sensitive diagnostics as well as overall convenience. An easy-to-access USB port is located on the front of every WIDE display for easy data transfer or download. In addition, 3 other USB ports are located on the back of each display. Sleek Cable Management The well-designed cable management system on each display creates a very sleek, clean finish to the workstation. Cables are securely seated, helping to avoid disruptions from cable adjustments or disconnections. User Friendly On-screen-display (OSD) Service WIDE's intuitive graphical on-screen interface assists the user in easily navigating display settings and options. Each diagnostic display offers multiple languages such as English, German, French, Spanish, Italian, Russian, Japanese, Chinese, and Korean for maximum international localization.

Triple solutions for Women's Healthcare

21.3" 5 Mega-Pixel TFT LCD Display

Choose from three options. Adding more mammography displays to WIDE's product line offers multiple choices for mammography imaging display solutions in a tomosynthesis and color mammography workflow. WIDE's new mammo tomosynthesis 5MP has been developed to maximize reading and interpretation of digital breast tomosynthesis.
It significantly improves breast cancer detection accuracy by leveraging new hardware architecture and mammo tomosynthesis optimized software.
A new 5MP color display solution, model CX50N, provides extended coverage of breast cancer detection in specialized mammography applications. It has been designed with new high-bright TFT LCD technology that offers excellent image uniformity, optimum viewing angles, and high performance image processing. These new displays are cleared by the US Food and Drug Administration (FDA) for use in digital mammography.

MX50T

LED 5MP

Mammo Tomosynthesis

21.3” 2048 x 2560 (5MP)

2,000cd/m²

14-bit Look-Up Table

Embedded DICOM IQ sensor®

PrivateLite®

Display Port and DVI

5MP LED

MX50N

Digital Mammography

21.3” 2048 x 2560 (5MP)

1,200cd/m²

14-bit Look-Up Table

Embedded DICOM IQ sensor®

PrivateLite®

Display Port and DVI

5MP
LED

CX50N

Digital Mammography Color

21.3” 2048 x 2560 (5MP)

800cd/m²

14-bit Look-Up Table

Embedded DICOM IQ sensor®

PrivateLite®

Display Port and DVI

Diagnostic Displays

21.3” 2&3 Mega-Pixel TFT LCD Display

WIDE’s new N-Series 2 mega-pixel and 3 mega-pixel displays are idea for all high quality imaging diagnostic modalities. 2MP is available in color, and 3MP is available in color or grayscale. These displays are similar in outward appearance and overall performance, offering uniformity to any diagnostic working installation.

Each monitor comes with these standard features:

- Built-in 3rd generation of auto DICOM sensor (IQ-Sensor®)
- DisplayPort and DVI for video source
- Digital uniformity correction
- PrivateLite®
- ECO friendly materials

3MP
LED

CX30N

Diagnostic Color Display

21.3” 1536 x 2048 (3MP)

900cd/m^2

14-bit Look-Up Table

Embedded DICOM IQ sensor®

PrivateLite®

DisplayPort & DVI

2MP LED

CX20N

Diagnostic Color Display

21.3” 1200 x 1600 (2MP)
800cd/m²
14-bit Look-Up Table
Embedded DICOM IQ sensor®
PrivateLite®
Display Port and DVI

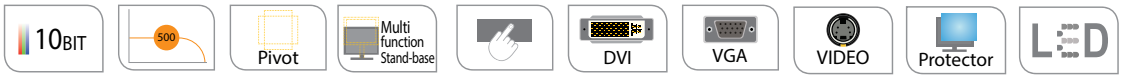
3MP LED

MX30N

Diagnostic Grayscale Display

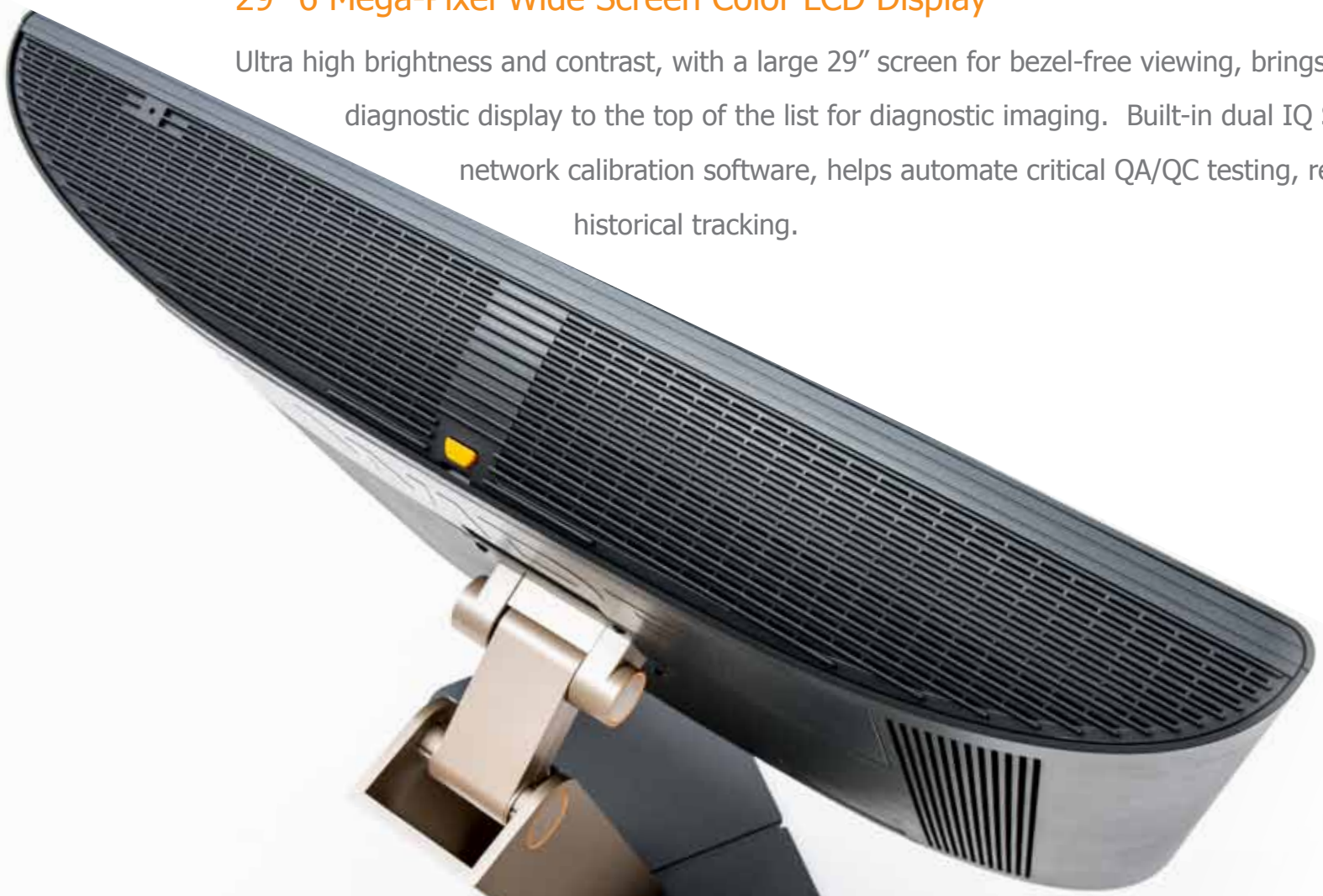
21.2” 1536 x 2048 (3MP)
1,700cd/m²
14-bit Look-Up Table
Embedded DICOM IQ sensor®
PrivateLite®
DisplayPort & DVI

Multi-modality Diagnostic Displays



29” 6 Mega-Pixel Wide Screen Color LCD Display

Ultra high brightness and contrast, with a large 29” screen for bezel-free viewing, brings this multi-modality and diagnostic display to the top of the list for diagnostic imaging. Built-in dual IQ Sensors®, coupled with network calibration software, helps automate critical QA/QC testing, reporting, alerting and historical tracking.



6MP
LED

CW60

Multi Modality Color Display

29” 3280 x 2048 (6MP)

800cd/m²

14-bit Look-Up Table

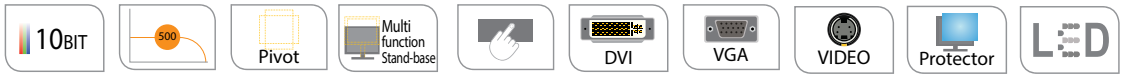
Embedded DICOM IQ sensor®

Digital Uniformity Correction

PrivateLite®

DisplayPort & DVI

Modality & Clinical Displays



1 Mega-Pixel Modality & Clinical Displays of the N-Series

WIDE's modality displays offer powerful video image processing. The line features motion adaptive de-interlacing, dynamic edge enhancement, spatial noise reduction, and low-angle/jaggy-free motion video images. These displays are a perfect fit for digital modality systems, and can provide a needed upgrade in technology when replacing outdated modality displays, thanks to a broad selection of video connectivity including RGB analog, DVI, S-Video, Composite, and BNC (Synch-on Green).

WIDE's clinical displays are ideally designed for PACS review, laboratory, endoscopy, post-operative care, private practice, modality image viewing, and PACS work list display with DICOM 3.14 compliance. Outperforming other commercial counterparts, these displays utilize optimum brightness levels, contrast ratios, backlight sensor luminance control stability, and meet all DICOM 3.14 standards.

1MP LED

MX10p

Modality Grayscale LCD Display

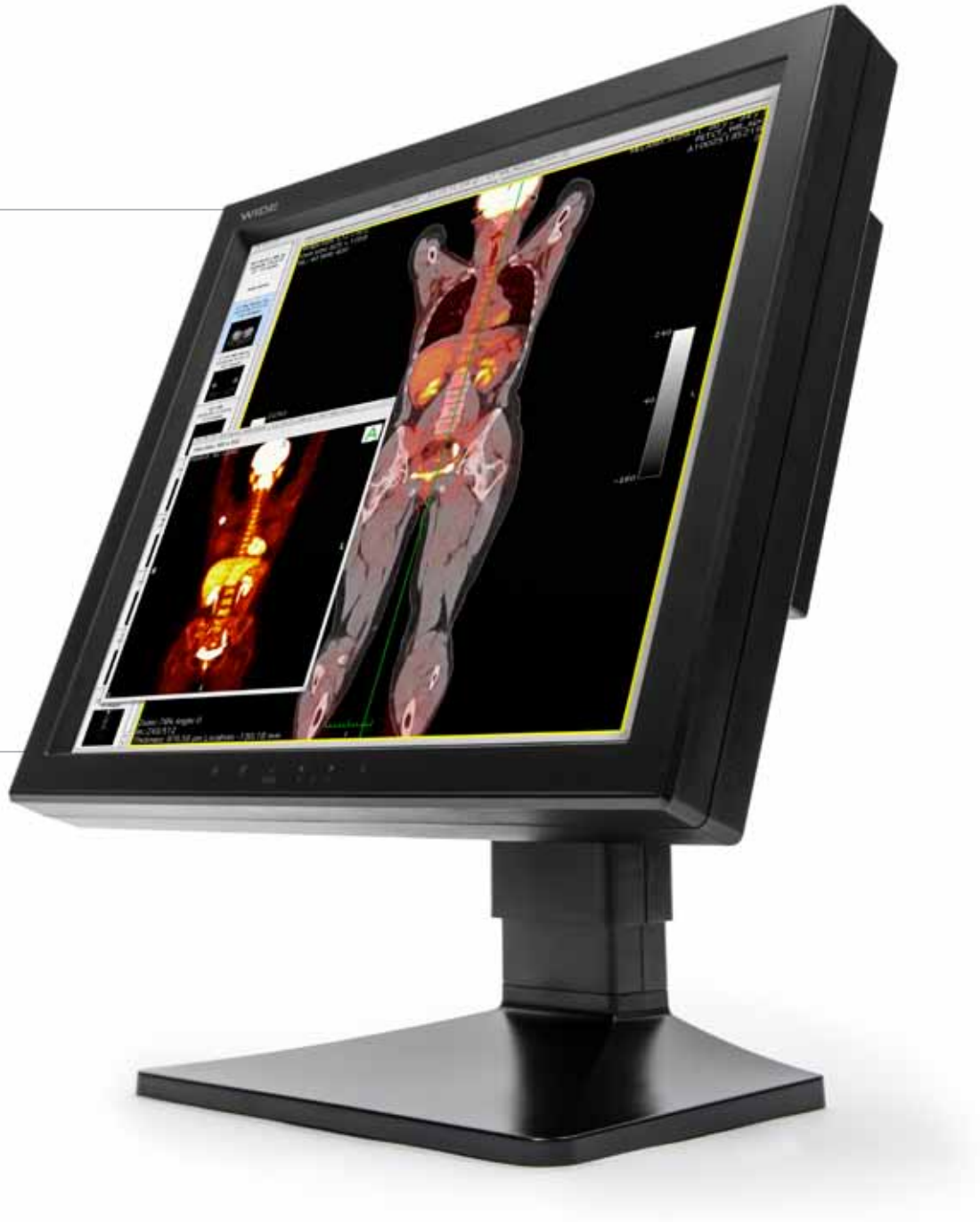
19” 1280 x 1024 (1MP)
1,000cd/m²
170° wide viewing angle
DICOM 3.14 Compliance
Multiple pre-set view modes
VGA, DVI, BNC, S-Video, Composite

1MP LED

CX10p

Modality Color LCD Display

19” 1280 x 1024 (1MP)
1,000cd/m²
170° wide viewing angle
DICOM 3.14 Compliance
Multiple pre-set view modes
VGA, DVI, BNC, S-Video, Composite



1MP LED

CX10N

Modality Color LED Display

19” 1280 x 1024 (1MP)

300cd/m²

178° wide viewing angle

DICOM 3.14 Compliance

Multiple pre-set view modes, VGA, DVI

2.3MP LED

CL24s

Clinical Review Color Display

24” 1920 x 1200 (2.2MP)

300cd/m²

178° Wide viewing angle (IPS)

DICOM Preset modes

DVI(2x), VGA, S-Video, Composite

ezCal Automatic Image Calibration

WIDE's Image Quality Assurance System (IQAS) ensures optimal on-screen performance through a combination of processes : an embedded IQ-Sensor®, Self-Brightness Control (SBC), and bundled DICOM calibration software ezCal™. IQAS maintains image quality, performance, and automates QA tasks such as DICOM 3.14 calibration and conformance.

- ezCal™ is easy to use, with an intuitive graphic user interface and familiar configuration settings.
- ezCal™ has an auto-tracking feature to help identify where the monitor is located in a facility.
- ezCal™ supports all of the latest requirements associated with DIN6868-157 and AAPM TG18.
- ezCal™ has been configured to work with WIDE displays. It runs extremely fast and maintains precise image appearance.
- ezCal™ is ready for future requirements.
- ezCal™ generates user-friendly test reports in PDF or Excel.

Display Calibration and Management

- DICOM 3.14 GSDF
- Calibration
- Conformance test
- Grayscale uniformity test
- Color temperature test and adjustment

Network Administration

- Simultaneous calibration
- Alert functions (e-mail notification of error)
- Power supply watch
- Security control
- Scheduling administration

WIDE Bundled Graphics Board Solutions

Model	FirePro W2100	FirePro W4100	FirePro W5100	FirePro W5000(DVI)	Radeon R7 260X	FirePro W7000	QUADRO NVS 310	QUADRO 410	QUADRO K420	QUADRO K600	QUADRO K620	QUADRO K2000	QUADRO K2200	QUADRO K2000D	Geforce GTX 750TI	GeForce GT 640	QUADRO K4000
Board Image																	
Memory Type	2GB DDR3	2GB DDR5	4GB DDR5	2GB DDR5	2GB DDR5	4GB DDR5	512MB DDR3	512MB DDR3	1GB DDR3	1GB DDR3	2GB DDR3	2GB DDR5	4GB DDR5	2GB DDR5	2GB DDR5	2GB DDR3	3GB DDR5
Bus Interface	PCI-Express x8 3.0	PCI-Express x16 3.0	PCI-Express x16 3.0	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 3.0	PCI-Express x16 3.0	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 2.x	PCI-Express x16 3.0	PCI-Express x16 2.0
Operating System	Windows 8 Windows 7 Windows Vista Linux (32/64-bit)	Windows 8 Windows 7 Windows Vista Linux (32/64-bit)	Windows 8 Windows 7 Windows Vista Linux (32/64-bit)	Windows 8 Windows 7 Windows Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Windows 2000 (32 bit) Linux (32/ 64-bit)	Window 7 Window XP Window Vista	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista	Window 7 Window XP Window Vista Linux (32/64-bit)	Window 7 Window XP Window Vista	Window 8 Window 7 Window XP Window Vista	Windows 8 Windows 7 Windows Vista Linux (32/64-bit)
Maximum Resolutionns	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	3840x2160 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz	2560x1600 @60Hz
Output	DP(2)	MINI DP(4)	DP(4)	DVI(4)	DVI(2) DP(1)	DP(4)	DP(2)	DVI(1) DP(1)	DVI(1) DP(1)	DVI(1) DP(1)	DVI(1) DP(1)	DVI(1) DP(2)	DVI(1) DP(2)	DVI(2)	DVI(2) DP(1)	DVI(2)	DVI(1) DP(2)
CW60		○	○	○	○	○						○	○	○			○
MX50T	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MX50N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CX50N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MX30N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CX30N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CX20N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CX10N		○		○	○			○	○	○	○	○	○	○	○	○	○
MX10p		○		○	○			○	○	○	○	○	○	○	○	○	○
CX10p		○		○	○			○	○	○	○	○	○	○	○	○	○
CL24s		○		○	○			○	○	○	○	○	○	○	○	○	○

Specifications

	CW60	MX50T
Panel	TFT AMLCD IPS Color	TFT AMLCD IPS Grayscale
Native Resolution	3280(H) x 2048(V)	2048(H) x 2560(V)
Pixel Pitch	0.187mm x 0.187mm	0.165mm x 0.165mm
Active Display Area	613.8mm x 383.2mm (24.2"x15.1")	422.4mm x 337.92mm (16.6”x13.3”)
Active Screen Size	723.6mm (28.49")	540.9mm (21.3”)
Viewing Angle(Typ)	170º,170º at 20:1 Contrast Ratio	178º,178º at 10:1 Contrast Ratio
Brightness Max.(Typi)	800cd/m²	2000cd/m²
Brightness Calibrated (Typ)	450cd/m²	1000cd/m²
Contrast Ratio (Typ)	800:1	1000:1
Bit Rate for Look-Up Table	14-bit	14-bit
Digital Video Input	DVI-D (2), Display Port (2)	DVI-D, Display Port
Display Communication	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)
Universal Serial Bus (USB)	1 up and 2 down-streams	1 up and 3 down-streams
Power Supply	AC Input 100-240Volt±10% / 60Hz/50Hz±3Hz	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V
Built-in Sensors	IQ Sensor II®, SBC[1], DAC[2]	IQ Sensor III®, SBC[1], DAC[2]
LUC[3]	Yes	Yes
Display Adjustments	Lamp, Menu, Enter, Up, Down, Power	Menu, Enter, Down, Up, Lamp, Power
OSD Languages	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,
	Russian, Japanese, Chinese, Korean	Russian, Japanese, Chinese, Korean
LED Light (PrivateLite®)	Yes	Yes
Power Consumption	Max: 130W, Typ: 85W, Power Save: 2W	Max: 65W, Power Save: 2W
Tilt/Swivel/Height Adjustments	-3º,+15º/±90º/103mm	-3º,+15º/±20º/110mm
Portrait/Landscape Rotation	-	90º (Counter clockwise)
Mounting Hole	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
Weight	22.0Kg(48.50lb) with Stand	10.7Kg(23.59lb) with Stand
Dimension	738mm(W)x609mm(H)x302.5mm(D)	390.3mm(W)x520.1mm(H)x248.8mm(D)
Operational Temperature	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
Operational Humidity	10% to 80%	10% to 80%
Storage Temperature	-20ºC to 60ºC (-4ºF to 140ºF)	-20ºC to 60ºC (-4ºF to 140ºF)
Options	Protective Glass	Protective Glass
Certifications and Standards	IEC/EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick, UL60601-1, CSA Std., C22.2, No.601.1	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick

1) SBC : Stable Brightness Control, 2) DAC : Digital Ambient Control, 3) Luminance Uniformity Correction

Specifications

	MX50N	CX50N
Panel	TFT AMLCD IPS Grayscale	TFT AMLCD IPS Color
Native Resolution	2048(H) x 2560(V)	2048(H) x 2560(V)
Pixel Pitch	0.165mm x 0.165mm	0.165mm x 0.165mm
Active Display Area	422.4mm x 337.92mm (16.6”x13.3”)	422.4mm x 337.92mm (16.6”x13.3”)
Active Screen Size	540.9mm (21.3”)	540.9mm (21.3”)
Viewing Angle(Typ)	178º,178º at 10:1 Contrast Ratio	178º,178º at 10:1 Contrast Ratio
Brightness Max.(Typi)	1200cd/m²	800cd/m²
Brightness Calibrated (Typ)	500cd/m²	450cd/m²
Contrast Ratio (Typ)	1000:1	800:1
Bit Rate for Look-Up Table	14-bit	14-bit
Digital Video Input	DVI-D, Display Port	DVI-D, Display Port
Display Communication	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)
Universal Serial Bus (USB)	1 up and 3 down-streams	1 up and 3 down-streams
Power Supply	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V
Built-in Sensors	IQ Sensor III®, SBC[1], DAC[2]	IQ Sensor III®, SBC[1], DAC[2]
LUC[3]	Yes	Yes
Display Adjustments	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power
OSD Languages	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,
	Russian, Japanese, Chinese, Korean	Russian, Japanese, Chinese, Korean
LED Light (PrivateLite®)	Yes	Yes
Power Consumption	Max: 50W, Power Save: 2W	Max: 100W, Power Save: 2W
Tilt/Swivel/Height Adjustments	-3º,+15º/±20º/110mm	-3º,+15º/±20º/110mm
Portrait/Landscape Rotation	90º (Counter clockwise)	90º (Counter clockwise)
Mounting Hole	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
Weight	10.7Kg(23.59lb) with Stand	11.0Kg(24.25lb) with Stand
Dimension	390.3mm(W)x520.1mm(H)x248.8mm(D)	390.3mm(W)x520.1mm(H)x248.8mm(D)
Operational Temperature	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
Operational Humidity	10% to 80%	10% to 80%
Storage Temperature	-20ºC to 60ºC (-4ºF to 140ºF)	-20ºC to 60ºC (-4ºF to 140ºF)
Options	Protective Glass	Protective Glass
Certifications and Standards	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/ EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/ EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick

1) SBC : Stable Brightness Control, 2) DAC : Digital Ambient Control, 3) Luminance Uniformity Correction

	MX30N	CX30N	CX20N
	TFT AMLCD IPS Grayscale	TFT AMLCD IPS Color	TFT AMLCD IPS Color
	1536(H) x 2048(V)	1536(H) x 2048(V)	1200(H) x 1600(V)
	0.21075mm x 0.21075mm	0.2109mm x 0.2109mm	0.270mm x 0.270mm
	431.616mm x 323.712mm (17.0”x12.7”)	431.923mm x 323.942mm (17.0”x12.8”)	432.0mm x 324.0mm (17.0”x12.8”)
	539.52mm (21.2”)	539.9mm (21.3”)	539.9mm (21.3”)
	178º,178º at 10:1 Contrast Ratio	178º,178º at 10:1 Contrast Ratio	178º,178º at 10:1 Contrast Ratio
	1700cd/m²	900cd/m²	800cd/m²
	500cd/m²	450cd/m²	450cd/m²
	1400:1	1400:1	1400:1
	14-bit	14-bit	14-bit
	DVI-D, Display Port	DVI-D, Display Port	DVI-D, Display Port
	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)	DDC2B (VESA Standard Compliance)
	1 up and 3 down-streams	1 up and 3 down-streams	1 up and 3 down-streams
	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +24V
	IQ Sensor III®, SBC¹, DAC²	IQ Sensor III®, SBC¹, DAC²	IQ Sensor III®, SBC¹, DAC²
	Yes	Yes	Yes
	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power	Menu, Enter, Down, Up, Lamp, Power
	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,	English, German, French, Spanish, Italian,
	Russian, Japanese, Chinese, Korean	Russian, Japanese, Chinese, Korean	Russian, Japanese, Chinese, Korean
	Yes	Yes	Yes
	Max: 55W, Power Save: 2W	Max: 75W, Power Save: 2W	Max: 60W, Power Save: 2W
	-3º,+15º/±20º/110mm	-3º,+15º/±20º/110mm	-3º,+15º/±20º/110mm
	90º (Counter clockwise)	90º (Counter clockwise)	90º (Counter clockwise)
	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
	9.8Kg(21.60lb) with Stand	10.1Kg(22.27lb) with Stand	9.3Kg(20.50lb) with Stand
	366.0mm(W)x518.8mm(H)x248.8mm(D)	366.0mm(W)x518.8mm(H)x248.8mm(D)	366.0mm(W)x518.8mm(H)x248.8mm(D)
	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
	10% to 80%	10% to 80%	10% to 80%
	-20ºC to 60ºC (-4ºF to 140ºF)	-20ºC to 60ºC (-4ºF to 140ºF)	-20ºC to 60ºC (-4ºF to 140ºF)
	Protective Glass	Protective Glass	Protective Glass
	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/ EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/ EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick	ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No.60601.1, IEC/ EN60601-1, FDA510(k), FCC Class B, CE, VCCI Class B, KC, ICES-003-B, C-Tick

Specifications

	MX10p	CX10p
Panel	TFT AMLCD IPS Grayscale	TFT AMLCD IPS Color
Native Resolution	1280x1024	1280x1024
Pixel Pitch	0.294mm x 0.294mm	0.294mm x 0.294mm
Active Display Area	376.3 x 301.1mm (14.8"x11.8")	376.3 x 301.1mm (14.8"x11.8")
Active Screen Size	481.9mm (19.0")	481.9mm (19.0")
Viewing Angle(Typ)	170º, 170º at 10:1 contrast	170º, 170º at 10:1 contrast
Brightness Max.(Typi)	1,000 cd/m²	1,000 cd/m²
Brightness Calibrated (Typ)	500 cd/m²	500 cd/m²
Contrast Ratio (Typ)	1,000:1	1,000:1
Bit Rate for Look-Up Table	10-bit	10-bit
Digital Video Input	DVI-D, Analog D-Sub 15Pin, BNC(SOG) IN, S-Video, CVBS	DVI-D, Analog D-Sub 15Pin, BNC(SOG) IN, S-Video, CVBS
Display Communication	DDC2B (VESA compliance)	DDC2B (VESA compliance)
Universal Serial Bus (USB)	N/A	N/A
Power Supply	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +12V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +12V
Built-in Sensors	SBC[1]	SBC[1]
LUC[3]	N/A	N/A
Display Adjustments	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness	Power On/Off, Menu, Exit, Left/Right, DICOM mode, Brightness
OSD Languages	English, German, French, Italin, Spanish	English, German, French, Italin, Spanish
LED Light (PrivateLite®)	N/A	N/A
Power Consumption	Max: 35W, Power Save: 5W	Max: 75W, Power Save: 5W
Tilt/Swivel/Height Adjustments	-3º,+30º/±30º/108mm	-3º,+30º/±30º/108mm
Portrait/Landscape Rotation	90º (Counter clockwise)	90º (Counter clockwise)
Mounting Hole	VESA Standard (100x100mm)	VESA Standard (100x100mm)
Weight	8.0kg	8.0kg
Dimension	436.5mm(W) x 455.5mm(H) x 200mm(D)	436.5mm(W) x 455.5mm(H) x 200mm(D)
Operational Temperature	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
Operational Humidity	10% to 80%	10% to 80%
Storage Temperature	-20˚C to 60˚C (4˚F to 140˚F)	-20˚C to 60˚C (4˚F to 140˚F)
Options	Protective Glass	Protective Glass
Certifications and Standards	UL60601-1, IEC/EN60601-1, FCC ClassB, VCCI, CE, KC	UL60601-1, IEC/EN60601-1, FCC ClassB, VCCI, CE, KC

1) SBC : Stable Brightness Control, 2) DAC : Digital Ambient Control, 3) Luminance Uniformity Correction

	CX10N	CL24s
	TFT AMLCD Color	TFT AMLCD IPS Color
	1280(H) X 1024(V)	1920(H) x 1200(V)
	0.294mm x 0.294mm	0.270mm x 0.270mm
	376.3mm x 301.1mm (14.8"x11.8")	518.4mm x 324.0mm (20.4"x12.7")
	486.6mm (19.0")	611.3mm (24")
	178º,178º at 10:1 Contrast Ratio	178º, 178º at 10:1 contrast
	300cd/m²	300cd/m²
	150cd/m² (DICOM White)	-
	1000:1	1,000:1
	10-bit	10-bit
	DVI-D, Aanalog D-sub 15pin	DVI-D, Analog D-Sub 15Pin, S-Video, C-Video
	DDC2B (VESA Standard Compliance)	DDC2B (VESA compliance)
	None	N/A
	AC Input 100-240Volt±10% / 60Hz/50Hz±3Hz | DC Output +12V	AC Input 100-240Volt±10%/60Hz/50Hz±3Hz | DC Output +12V
	SBC[1]	N/A
	N/A	N/A
	Power On/Off, Menu, Exit, Left/Right	Power On/Off, Menu, PIP, Up/Down, Plus/Minus, Input
	English, German, French, Spanish, Italian	English, German, French, Spanish, Italian, Russian,
		Japanese, Chinese, Korean
	N/A	N/A
	Max: 25W, Power Save: 3W	Max: 60W, Power Save: 10W
	-3º,+30º/±30º/108mm	-3º,+30º/±30º/108mm
	90º (Counter clockwise)	90º (Clockwise)
	VESA Standard (100mmx100mm)	VESA Standard (100mmx100mm)
	7.5Kg(16.50lb) with Stand	9.42kg(20.77lb) with Stand
	436.5mm(W)x455.5mm(H)x200.0mm(D)	565.9mm(W) x 460.7mm(H) x 224.5mm(D)
	0ºC to 40ºC (32ºF to 104ºF)	0ºC to 40ºC (32ºF to 104ºF)
	10% to 80%	30% to 80%
	-20ºC to 60ºC (-4ºF to 140ºF)	-20ºC to 60ºC (-4ºF to 140ºF)
	Protective Glass, Touch Screen	N/A
	IEC/EN60601-1, FCC Class B, CE, VCCI Class B	FCC Class B, CE, VCCI Class B, KC,CE EN60601-1 3rd Edition, CB IEC60601-1 3rd Edition, UL