Relentless Innovation
for your diagnostic confidence

SAMSUNG

V7
Take what you want

Product Inquiry

All the key benefits you want

The V7, a powerful cardiovascular ultrasound system gives you the possibility to do what you want with comprehensive tools that feature the latest innovations. Rich in features, the V7 offers a fascinating performance to handle your needs of daily practices and allows you to explore to the fullest.

Overview video

Diagnose daily examinations with ease

The V7 is fully capable of covering a multitude of cardiovascular expert tools. Healthcare professionals can execute targeted examinations with ease, using the V7's intelligent system features.
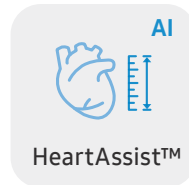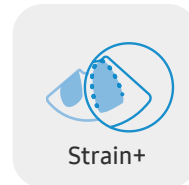
2D imaging

ShadowHDR™	HQ-Vision™	ClearVision

Diagnostic features

HeartAssist™	Strain+	AutoEF
AI		

Color imaging

MV-Flow™	LumiFlow™	S-Flow™
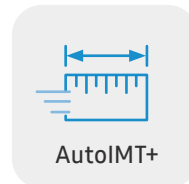
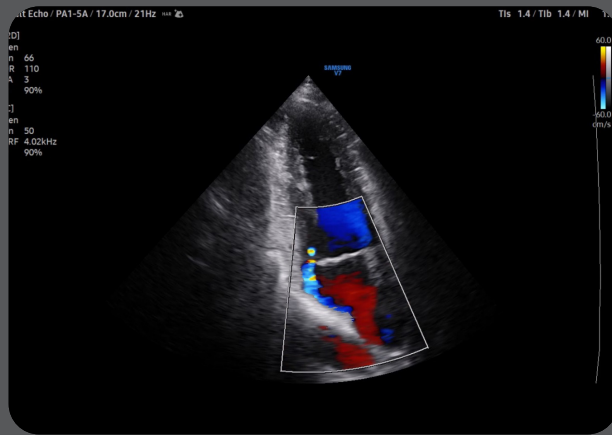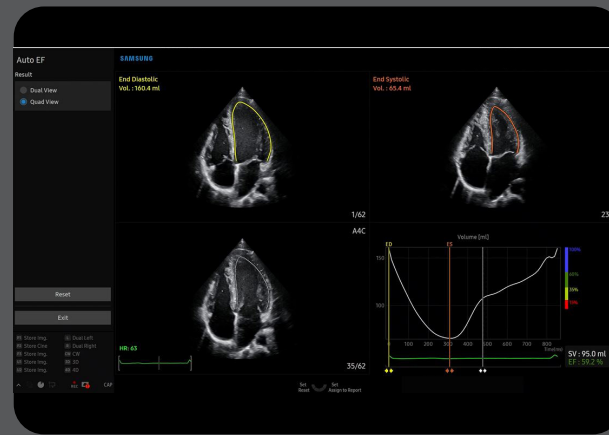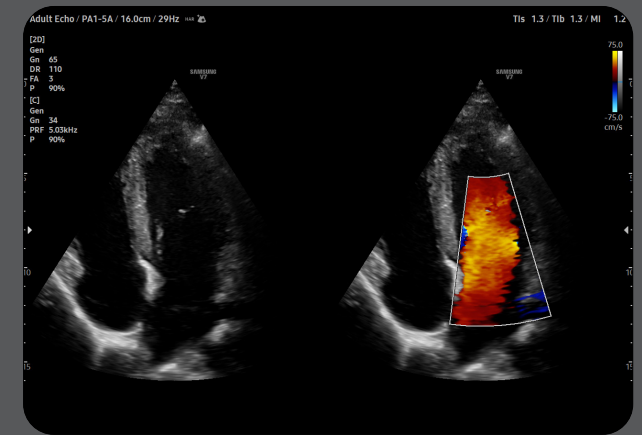| Arterial Analysis™	AutoIMT+	StressEcho

Striking images for confidence
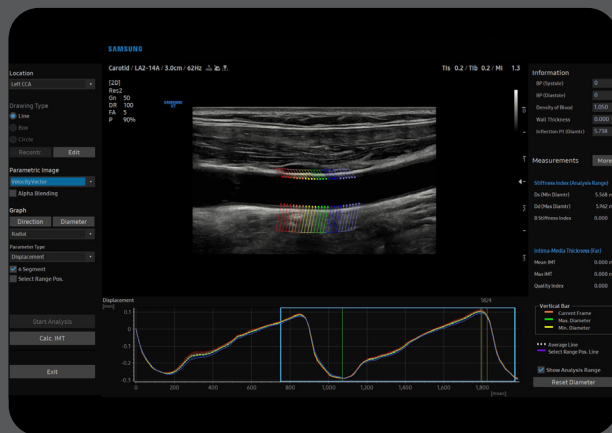

Image gallery

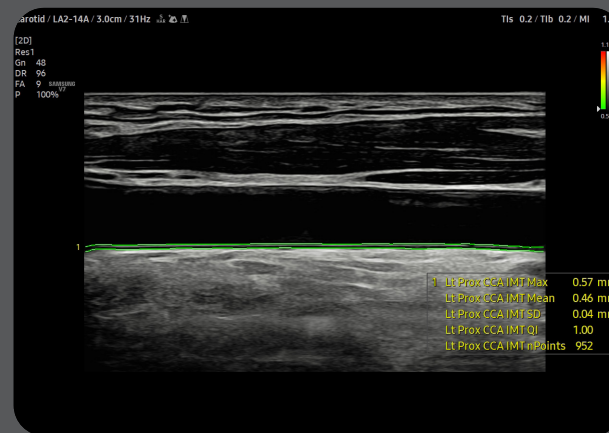2 chamber view with color

AutoEF

4 chamber view in DualLive

ArterialAnalysis™

AutoIMT+

HeartAssist™ PW mitral valve inflow

Enriched diagnostic features with accuracy and precision

The V7 system comes with advanced tools and semi-automated features that assist in precise diagnosis and increasing throughput. The intelligent features create a simplified user interface and guide the users in significantly improving daily examination experiences.
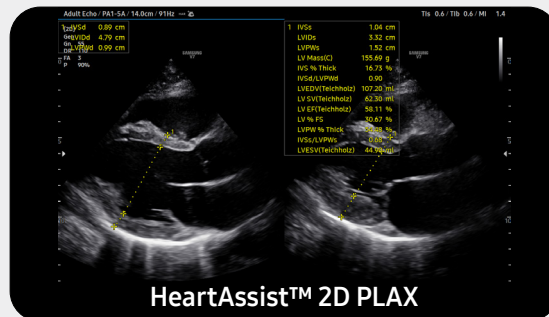

Learn more

Measure ejection fraction of the left ventricle

AutoEF [1] is a feature which conveniently measures and quantifies Ejection Fraction. The volume at the end-systolic and end-diastolic points of the left ventricle is calculated, to assist in quick and efficient assessment of the heart function.

An automated reporting tool for heart diagnosis

HeartAssist™ [1], a feature based on Deep Learning technology, provides automatic classification of ultrasound image into measurement views required for heart diagnosis and provides measurement results.
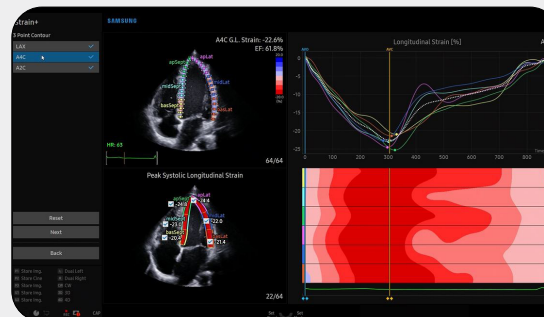

White paper

HeartAssist™ 2D PLAX

Quantify wall motion of the left ventricle

Strain+ [1] is a quantitative tool for measuring global and segmental wall motion of the left ventricle (LV). Three standard LV views and a Bull's Eye are displayed in a quad screen for easy assessment of the LV function.
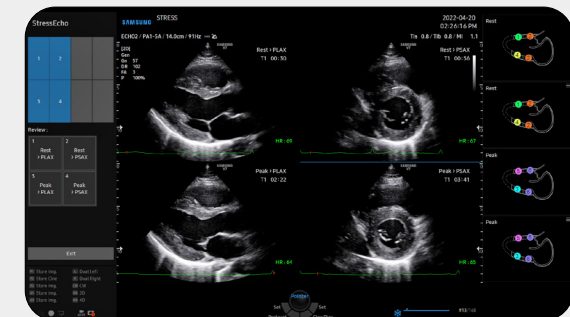

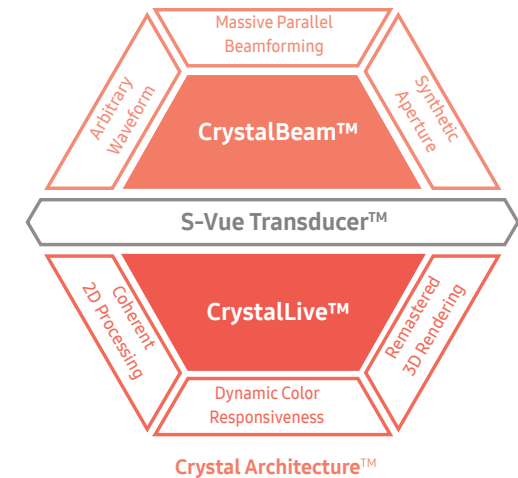White paper

Score and report wall motion

StressEcho [1] package includes wall motion scoring and reporting. It provides exercise StressEcho, pharmacologic StressEcho, diastolic StressEcho and programmable StressEcho.

**Other features** ArterialAnalysis™ [1], AutoIMT+

Extraordinary image quality delivers diagnostic confidence

Gain insight into complex issues with exceptional image quality and resolution by Samsung's core imaging engine, Crystal Architecture™. The proprietary technology combines enhanced 2D image processing and detailed color signal processing to optimize and refine the image. The cutting-edge V7 will provide outstanding image clarity for a confident diagnosis.

Massive Parallel Beamforming
Arbitrary Waveform
Synthetic Aperture
CrystalBeam™
S-Vue Transducer™
Coherent 2D Processing
Remastered 3D Rendering
CrystalLive™
Dynamic Color Responsiveness

**Crystal Architecture™**

Reduce noise to improve 2D image quality

ClearVision enhances the edge contrast and creates sharp 2D images for optimal diagnostic performance.

Off

On
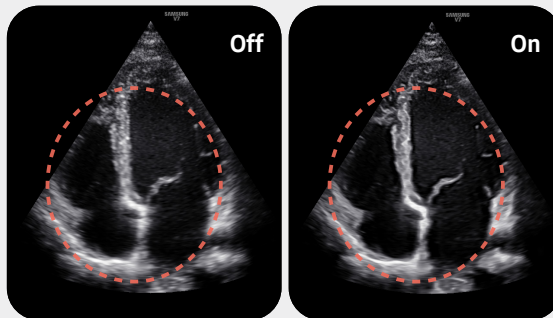
### Show blood flow in vessels in a 3D like display

LumiFlow™ [1] is a function that visualizes blood flow in 3 dimensional-like to help understand the structure of blood flow and small vessels intuitively.

Aortic Arch with LumiFlow™

Tricuspid Regurgitation with LumiFlow™
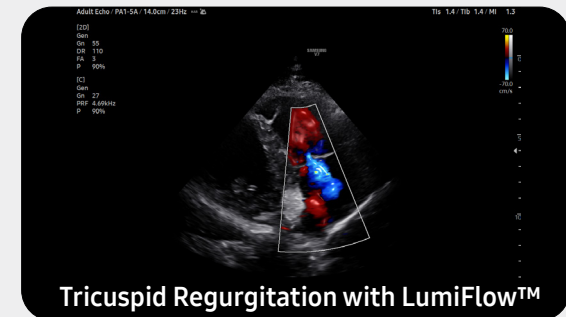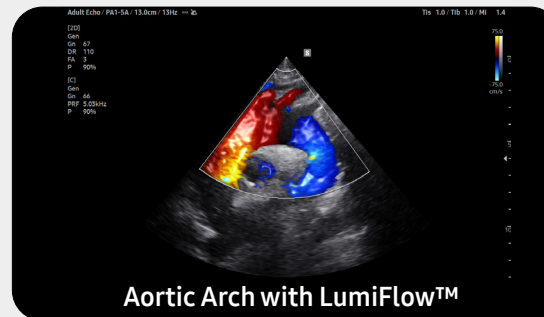
Efficient workflow re-designed for simplicity

Made to maximize efficiency, allow V7 to streamline your workflow and reduce various tasks to just a few steps or keystrokes. The user experience is enhanced through how V7 displays scan data more easily and accurately. To ensure utility, the ergonomic design makes optimal use of the user's working environment. V7 is committed to enhancing healthcare professionals' workflow by providing intuitive optimization.


Voice Video Marking Remote control

Network

Ultrasound System

PC / Tablet / Smartphone
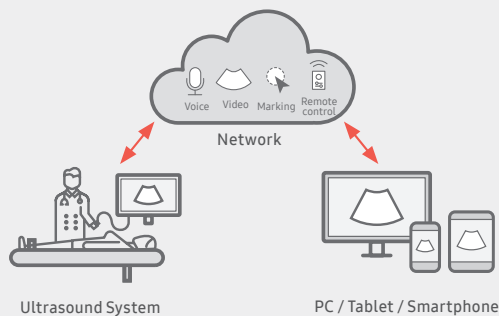
Real-time image sharing, discussion, and remote control of ultrasound system

SonoSync™ [1,5] is available in PC and smartphone, etc. as a real-time image share solution that allows communication for care guide and training between doctors and sonographers. In addition, voice chatting, text chatting and real-time marking functions are provided for better communication; and the MultiVue function is included that allows monitoring multiple ultrasound images on a single screen.

Learn more

Wide screen   Large screen   Full screen
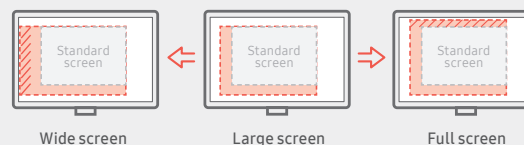
See images in expanded view

The ultrasound examination can be performed while viewing the images and cines that are expanded at various ratios according to the user preference.

Build predefined protocols to ensure every step is followed every time

EzExam+™ [1] enables you to build or use a predefined protocol, and assign protocols for examinations that are regularly performed in the hospital in order to reduce the number of steps that you have to go through.
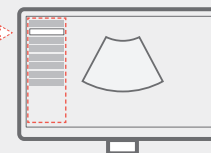
Customize frequently used functions on the touchscreen

TouchEdit, a customizable touchscreen, allows the user to move frequently used functions to the first page.

Select transducer and preset combinations in one click

QuickPreset allows the user to select the most common transducer and preset combinations in one click.


Access directly to RIS from the system

Access to RIS from the browser of the ultrasound system

RIS Browser improves the workflow by allowing access to RIS through the embedded browser in the system. This allows for post processing without the need to move to a PC after scanning.

Assign functions to the buttons near the trackball

The buttons around the trackball can be customized for easy selection of commonly used functions.
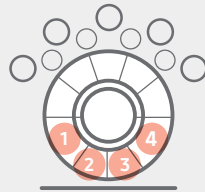
Save image data directly to USB memory

User can directly export image/cine with a USB device.

Continue working even when AC power is temporarily unavailable

BatteryAssist™ provides battery power to the system, enabling users to perform scans when AC power is temporarily unavailable. It also allows the system to be moved to another location without having to turn the power off and then back on.

21.5 inch
23.8 inch (Option)

14 inch
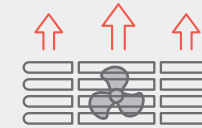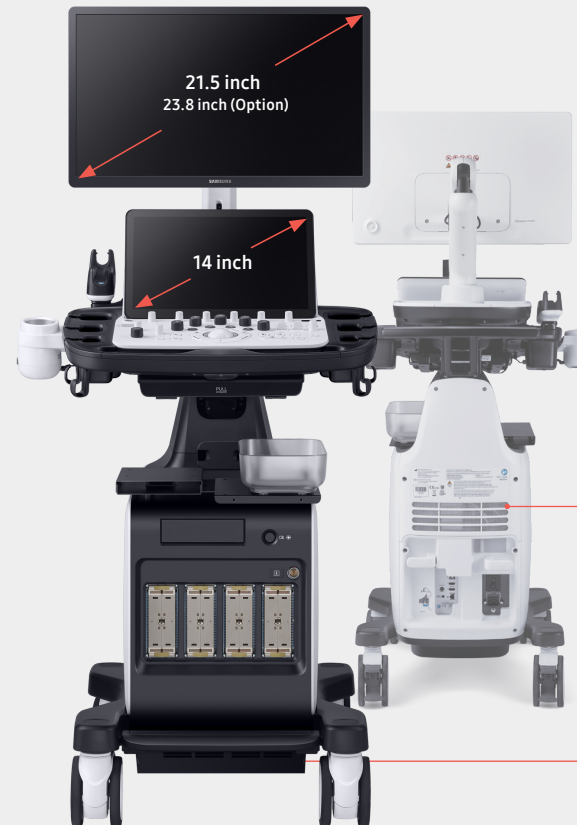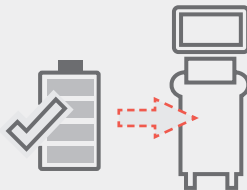
Effective cooling system

An effective airflow system cools down the ultrasound system by constantly letting heat out and reducing fan noise.

Recycled materials

Eco-conscious resin cover is applied to the air vent exterior cover.

Samsung healthcare cybersecurity

To address the emerging need for cybersecurity, Samsung provides a solution to support our customers by offering the tools to protect against cyberthreats that may compromise invaluable patient data and ultimately degrade the quality of care.

Intrusion prevention   Access control   Data protection

Comprehensive selection of transducers

Phased array transducers

PA1-5Aᴾᴱ
Cardiac, Vascular, Abdomen, Pediatric, TCD, Thoracic

PA3-8B
Cardiac, Pediatric, Abdomen, Vascular, TCD

PA4-12B
Cardiac, Pediatric, Abdomen, Vascular, TCD

LA4-18AD
Small parts, Vascular, Musculoskeletal, Abdomen, Pediatric

L3-22
Musculoskeletal, Pediatric, Vascular, Small parts

Curved array transducers

CA1-7SD *
Abdomen, Obstetrics, Gynecology, Pediatric, Musculoskeletal, Vascular, Urology, Thoracic

CA4-10M *
Abdomen, Pediatric, Vascular

Linear array transducers

LA2-9S *
Small parts, Vascular, Abdomen, Pediatric, Musculoskeletal

LA2-14A
Small parts, Vascular, Abdomen, Pediatric, Thoracic, Musculoskeletal

TEE transducer

MMPT3-7
Cardiac

CW transducers

DP2B
Cardiac, Vascular, TCD

CW6.0
Cardiac, Vascular, TCD

S-Vue Transducer™

* Ergonomic transducers
The new endocavity transducer supports natural grip by moving the max-width point to a more forward position and also increasing the length of the grip to allow balanced weight distribution.

Cleaning and disinfection guide

Eco Packaging

Eco-conscious recycled paper is included in the product packaging.

Learn more

KOREA STAR AWARDS 2022

This award is for the contribution to the development of eco-friendly packaging in Korea. The ultrasound system V7 has won the KAPPE PRIZE of the Korea Star Awards.

SAMSUNG MEDISON CO., LTD.

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