Relentless Innovation
for your diagnostic confidence

SAMSUNG

V8

Step up confidence

Product Inquiry

For Cardiovascular

Unifying performance and intelligence

The V8 ultrasound system combines exquisite imaging quality powered by Crystal Architecture™ with efficient, streamlined examination enabled by Intelligent Assist tools, and re-engineered workflow to fulfill the needs of today's busy clinical environment. The sophisticated, ergonomic design showcases Samsung's careful craftsmanship and that comfort-in-use is a high priority for your product experience. We constantly seek new ways to help professionals obtain reliable answers with greater image clarity, enhanced accuracy, and improved work efficiency.

Overview video

Exquisite imaging quality for reliability and confidence

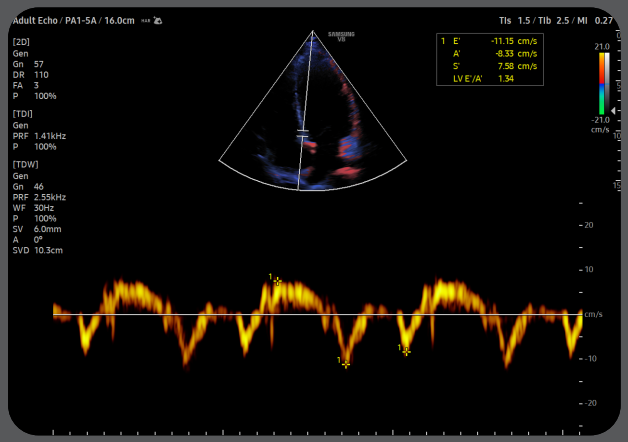
Re-engineered workflow for simplified process

Intelligent Assist tools for efficient examination

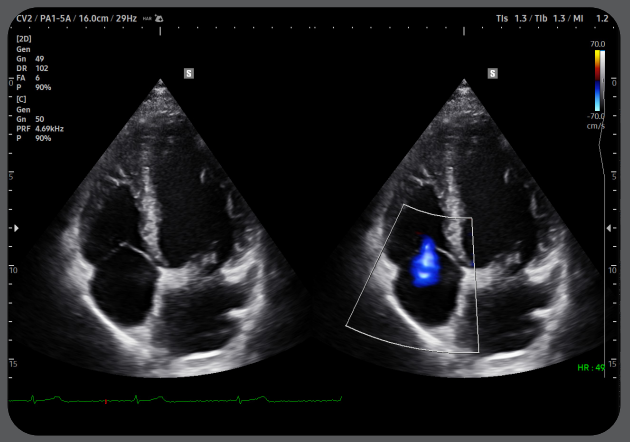
Feature-rich capabilities for diverse clinical cases

V8 includes a range of tools for diverse clinical cases and patient types. The highly adaptable system with high-precision features helps healthcare professionals effectively perform targeted examinations.

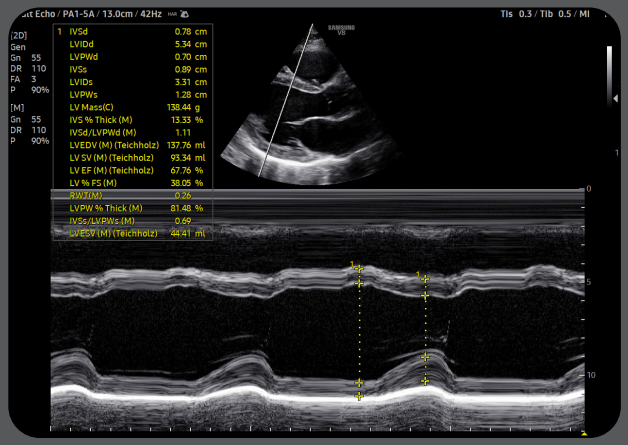
Image gallery



HeartAssist™ TDW mode

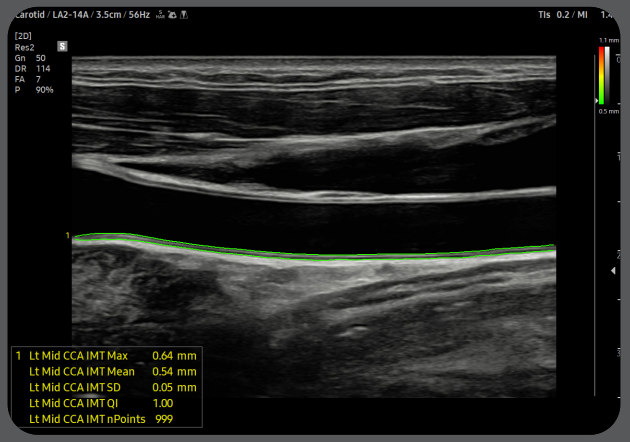


Adult echo with LumiFlow™

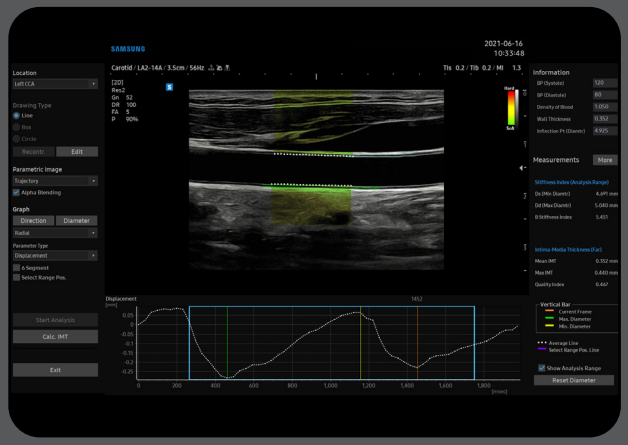


HeartAssist™ M-mode LV

Pediatric echo on PA3-8B



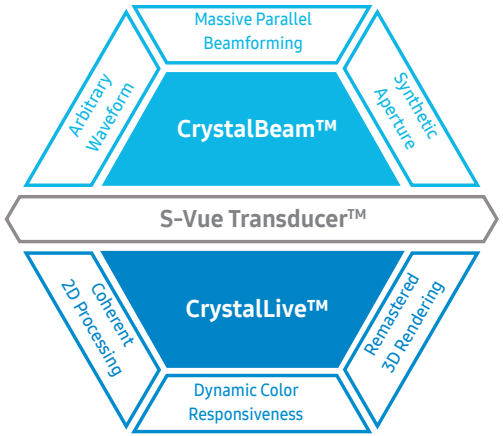
AutoIMT+



ArterialAnalysis™

Exquisite imaging quality for reliability and confidence

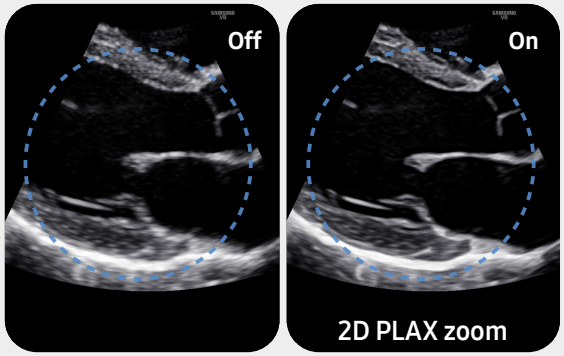
Gain insight into the problem based on exceptional image performance powered by Samsung's core imaging engine, Crystal Architecture™. The premium imaging engine combines the benefits of enhanced 2D image processing and detailed expression of color signal processing.



Crystal Architecture™

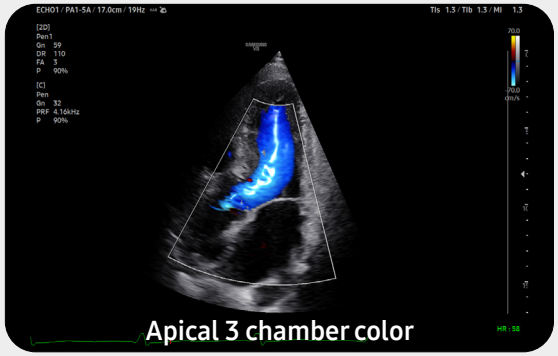
Reduce noise to improve 2D image quality

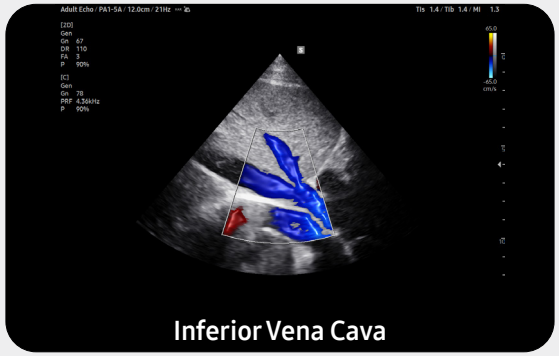
ClearVision enhances the edge contrast and creates sharp 2D images for optimal diagnostic performance.



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.





Intelligent Assist tools for efficient examination

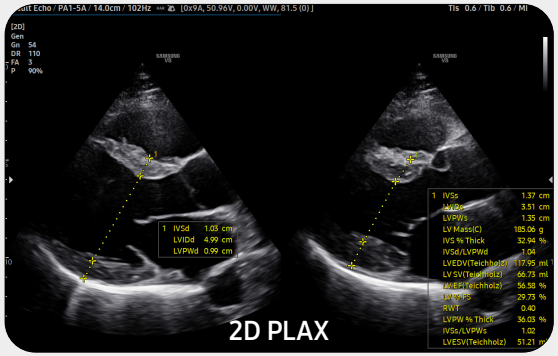
Simplify operation and enhance diagnostic confidence with built-in Intelligent Assist features. V8 supports healthcare professionals with automated features they need to help make decisions. The system is equipped with a range of tools that help accurately diagnose issues and achieve greater throughput.

Learn more

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.

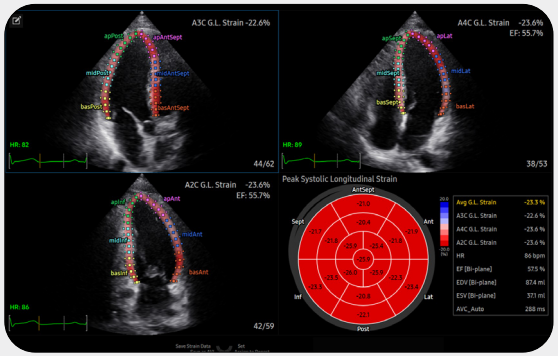
White paper



Quantify wall motion of the LV, LA, and RV

Strain+ [1] is a quantitative tool for measuring global and segmental wall motion of the left ventricle(LV), left atrium(LA), and right ventricle(RV) for systolic and diastolic function of heart.

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.

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.

Detect functional changes of cardiovascular vessels

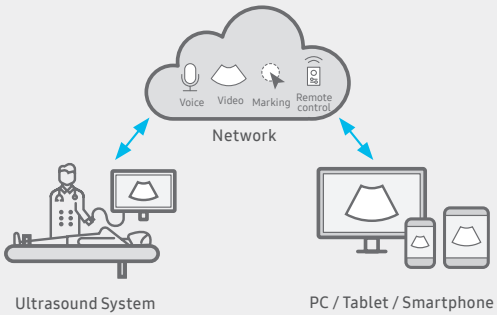
ArterialAnalysis™ [1] detects functional changes of vessels, providing measurement values such as the stiffness, intima-media thickness, and pulse wave velocity of the common carotid artery.

White paper

Other features AutoIMT+

Re-engineered workflow and design for a simplified process

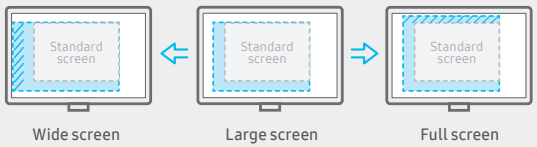
Ease your day by streamlining workflow with V8's convenient features that reduce multiple tasks into just a few steps and keystrokes. How we display the scan data more easily and precisely is an important focus for the user experience. The ergonomic design makes effective use of the user's working environment to assure utility.



Real-time image sharing, discussion, and remote control of ultrasound system

SonoSync™ [1,3] 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

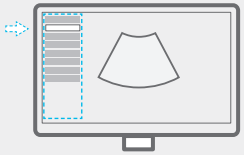


See images in expanded view

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.

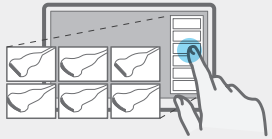


Customize frequently used functions on the touchscreen

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.



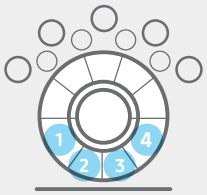
Access directly to RIS from the system

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.

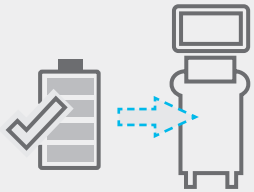


Save image data directly to USB memory

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.

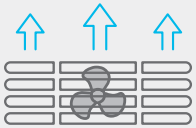


27-inch OLED monitor

It is convenient to see images in various scanning environments by applying a 27-inch OLED monitor. OLED realistically represents the black color, suitable for diverse ultrasound image characteristics with a black background.

14 inch tilting touch screen

Samsung’s tilting touch screen can be adjusted to accommodate user’s viewing preferences in any scanning environment.



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.

Comprehensive selection of transducers

Phased array transducers

PA1-5A *
Cardiac, Vascular, Abdomen, Pediatric, TCD, Thoracic

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

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

Curved array transducers

CA1-7S *
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

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

TEE transducers

L3-22
Musculoskeletal, Pediatric, Vascular, Small parts

MMPT3-7
Cardiac

TA2-9
Cardiac

CW transducers

DP2B
Cardiac, Vascular, TCD

CW6.0
Cardiac, Vascular, TCD

*** 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

* This product, features, options, and transducers may not be commercially available in some countries.
* Sales and Shipments are effective only after the approval by the regulatory affairs.
Please contact your local sales representative for further details.
* This product is a medical device, please read the user manual carefully before use.

1. Optional feature which may require additional purchase.
2. S-Vue Transducer™ is the name of Samsung's advanced transducer technology.
3. SonoSync™ is an image sharing solution.

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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