Scan code or visit
**samsunghealthcare.com**
to learn more

V8

Step up confidence

Unifying performance and intelligence

The V8 ultrasound system combines exquisite image quality with a streamlined user interface enabled by Intelligent Assist tools. The re-engineered workflow fulfills the needs of today's busy clinical environment. Samsung is continuously seeking new ways to elevate diagnostic confidence with greater image clarity, enhanced accuracy, and improved work efficiency.
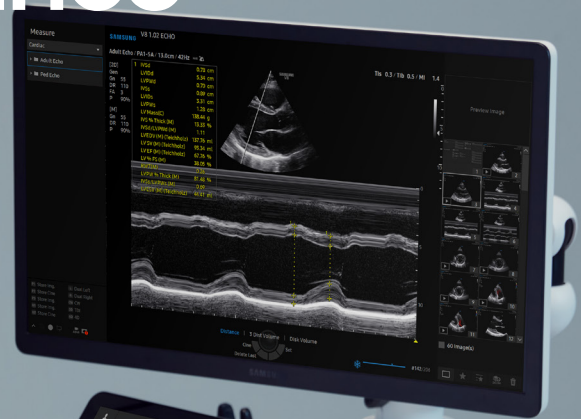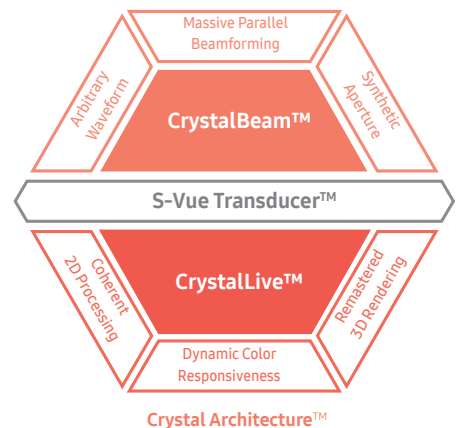
Overview video

Exquisite imaging quality for reliability and confidence

Re-engineered workflow for simplified process

Intelligent Assist tools for efficient examination

Redefined imaging technologies powered by Crystal Architecture™

Crystal Architecture™, an imaging architecture that combines CrystalBeam™ and CrystalLive™, based upon S-Vue Transducer™, provides a crystal clear image. CrystalBeam™ is a new beamforming technology beneficial in delivering high-quality image resolution and increased uniformity of images. CrystalLive™ is Samsung's up-to-date ultrasound imaging engine with enhanced 2D image processing, 3D rendering, and color signal processing, to offer outstanding image performance and efficient workflow during complex cases.

Massive Parallel Beamforming

Arbitrary Waveform

Synthetic Aperture

CrystalBeam™

S-Vue Transducer™

Coherent 2D Processing

Remastered 3D Rendering

CrystalLive™

Dynamic Color Responsiveness

Crystal Architecture™

Intelligent Assist tools for efficient examination

Simplify operation and enhance diagnostic confidence with built-in Intelligent Assist features. V8 supports healthcare professionals with semi-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.

Classify views for heart diagnosis with AI technology

HeartAssist™ [1], while based on AI technology and through the measure button classifies views for heart diagnosis, selects measurement items, and provides results.

4 chamber in HeartAssist™ 2D mode

Score and report wall motion to determine heart and blood vessel function

StressEcho [1] package includes wall motion scoring and reporting. It includes exercise StressEcho, pharmacologic StressEcho, diastolic StressEcho and free programmable StressEcho.
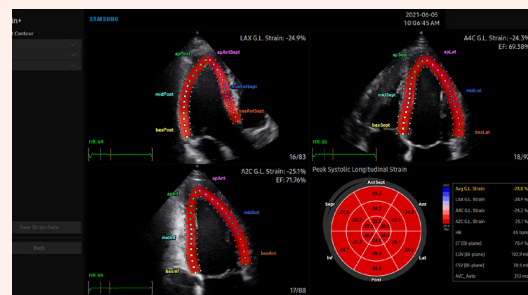
Quantify wall motion of the left ventricle

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 and quick assessment of the LV function.

Strain+

Measure ejection fraction of the left ventricle

AutoEF [1] is a feature to conveniently measure and quantify Ejection Fraction. By selecting on three points of the left ventricle, 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.
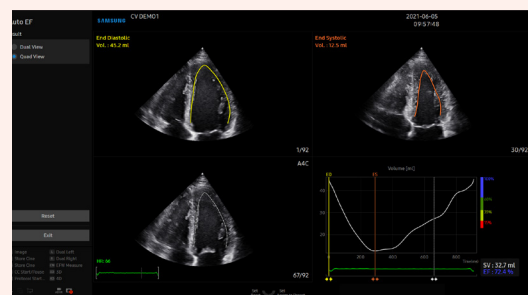

AutoEF

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.

Reduce noise to improve 2D image quality

ClearVision enhances the edge contrast and creates sharp 2D images for optimal diagnostic performance. In addition, it provides application-specific optimization and advanced temporal resolution in live scan mode.
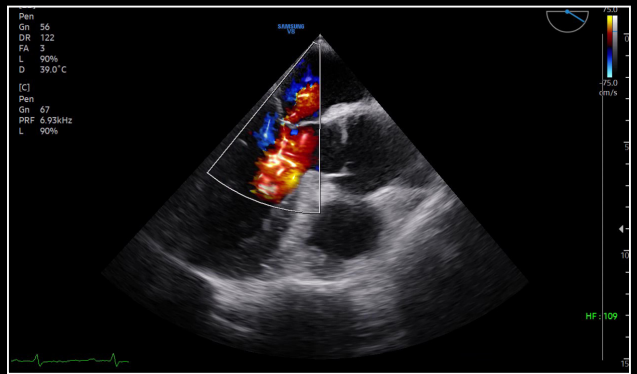

2D PLAX zoom mode

2D PLAX zoom mode with ClearVision
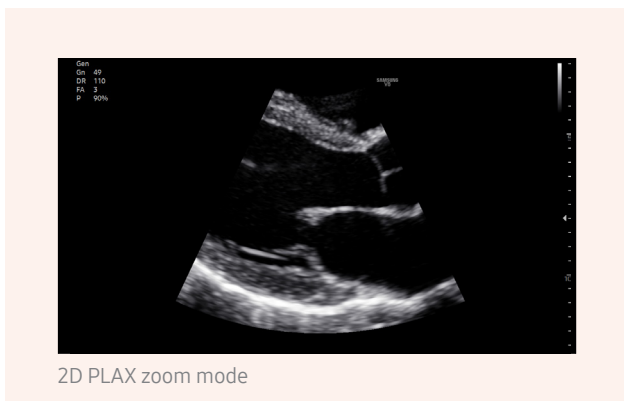
Show blood flow in vessels in a 3D like display

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.
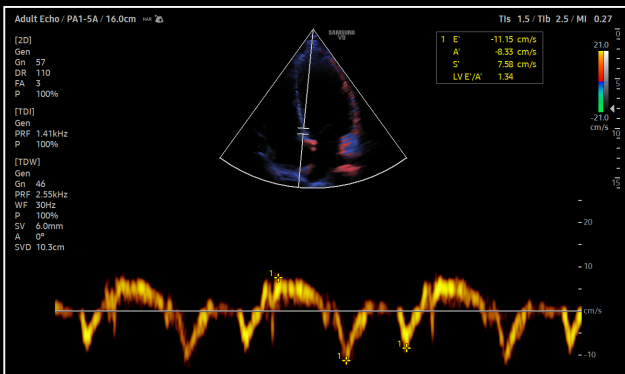

Apical 3 chamber color with LumiFlow™
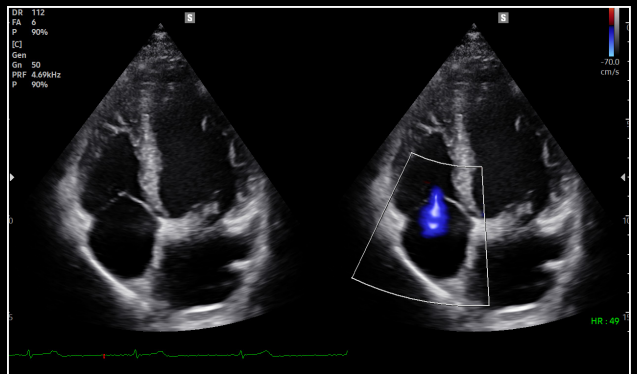

Inferior Vena Cava with LumiFlow™
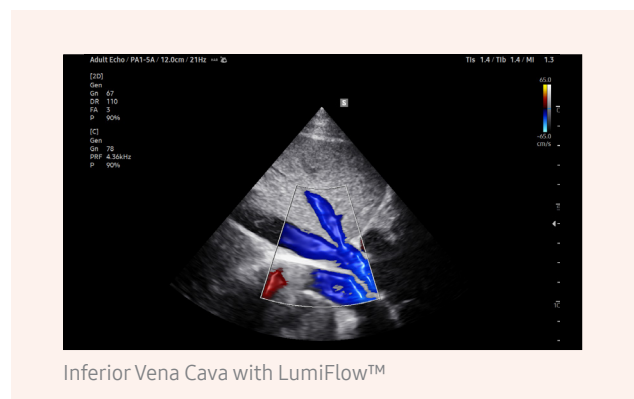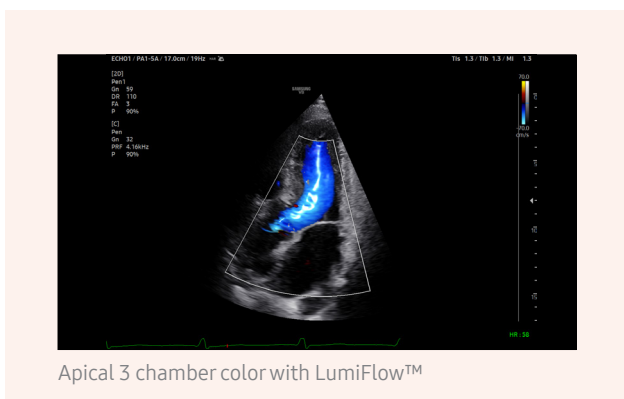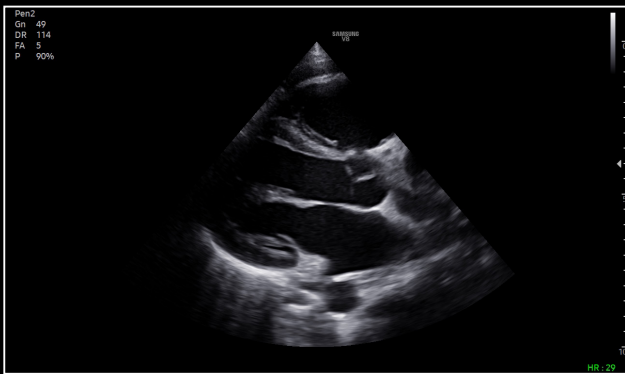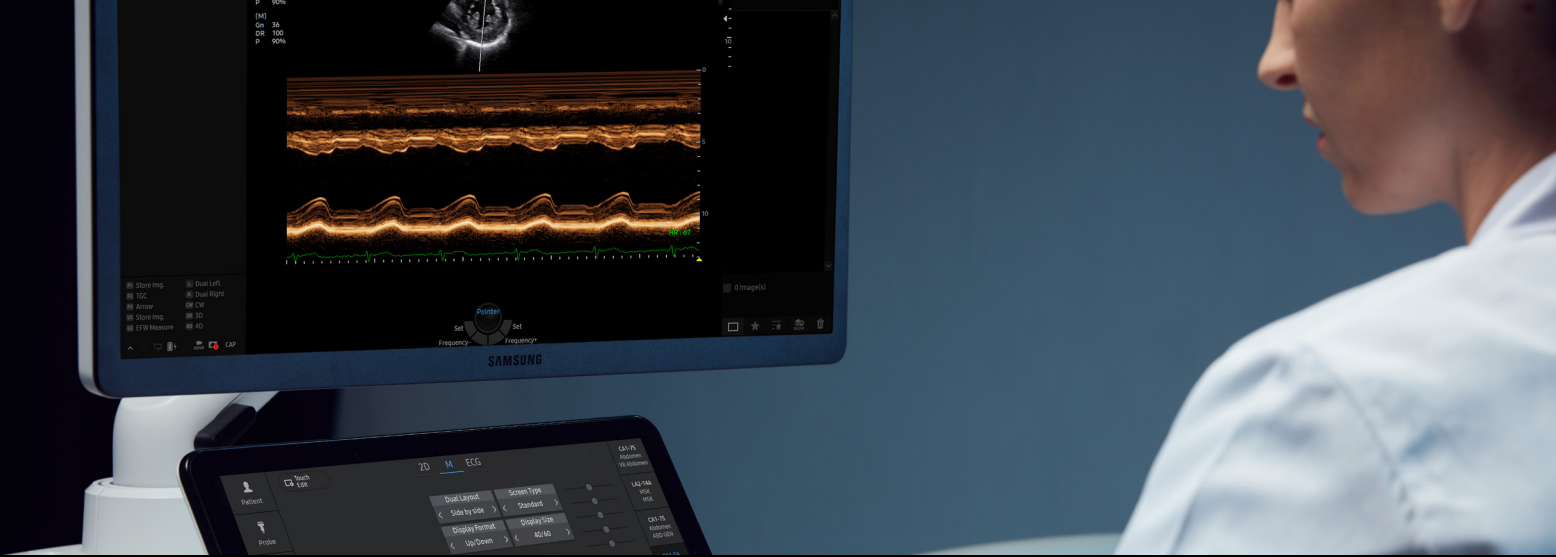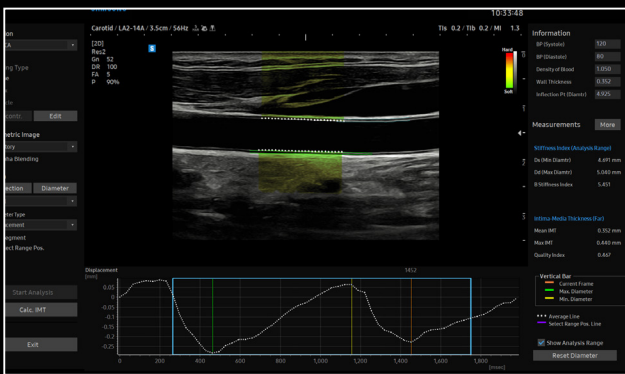
Pediatric echo on PA3-8B

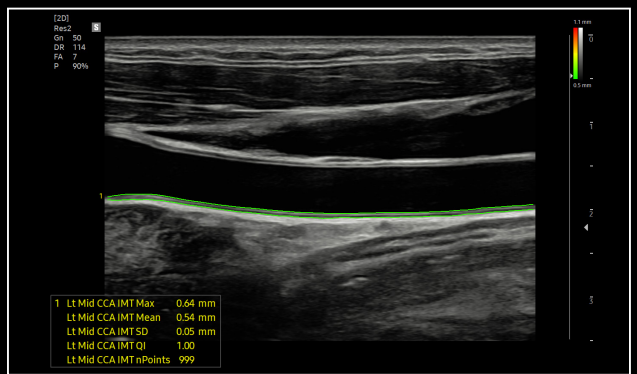Mitral regurgitation in ME LAX view on MMPT3-7

HeartAssist™ TDW mode

Tricuspid regurgitation with LumiFlow™ on PA1-5A

ArterialAnalysis™

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] is a real-time ultrasound image sharing solution that allows voice communication and remote controllability for effective collaboration between physicians and sonographers at different locations.

* SonoSync™ is an image sharing solution.

Learn more

Voice | Video | Marking | Remote control

Network

Ultrasound System

PC / Tablet / Smartphone
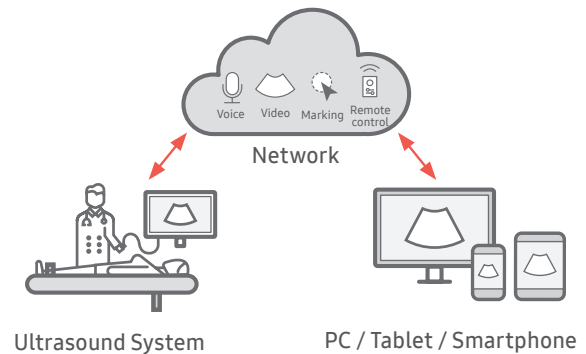
## Access to RIS from the browser of the ultrasound system

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.

RIS
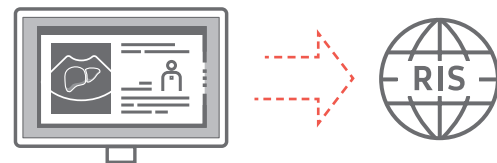
Access directly to RIS from the system

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.

Standard screen

Standard screen

Standard screen

Wide Screen
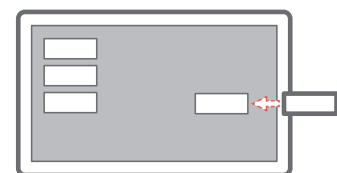
Large Screen

Full Screen
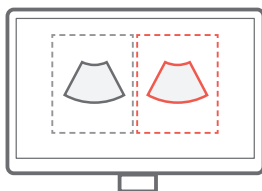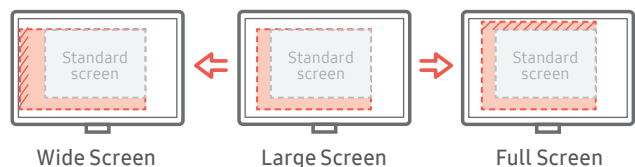
Compare previous and current exam in a side-by-side display

EzCompare™ automatically matches the image settings, annotations, and bodymarkers from the prior study.
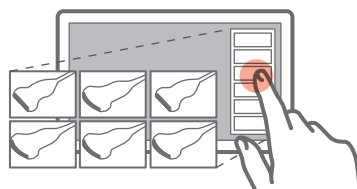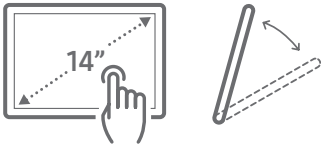
Select transducer and preset combinations in one click

QuickPreset allows the user to select the most common transducer and preset combinations in one click.
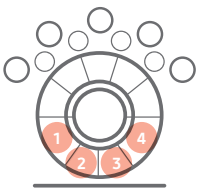
Customize frequently used functions on the touchscreen

TouchEdit, a customizable touchscreen, allows the user to move frequently used functions to the first page.
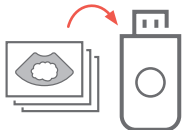
1 **14 inch tilting touch screen**

Samsung's tilting touch screen can be adjusted to accommodate user's viewing preferences in any scanning environment.
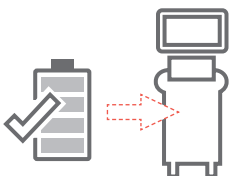
2 **Assign functions to the buttons near the trackball**

The buttons around the trackball can be customized for easy selection of commonly used functions.

3 **Save image data directly to USB memory**

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

4 **Continue working even when AC power is temporarily unavailable**

BatteryAssist™ [1] 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.
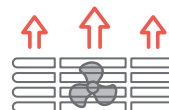
5 **Effective cooling system**

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

23.8 inch

14 inch
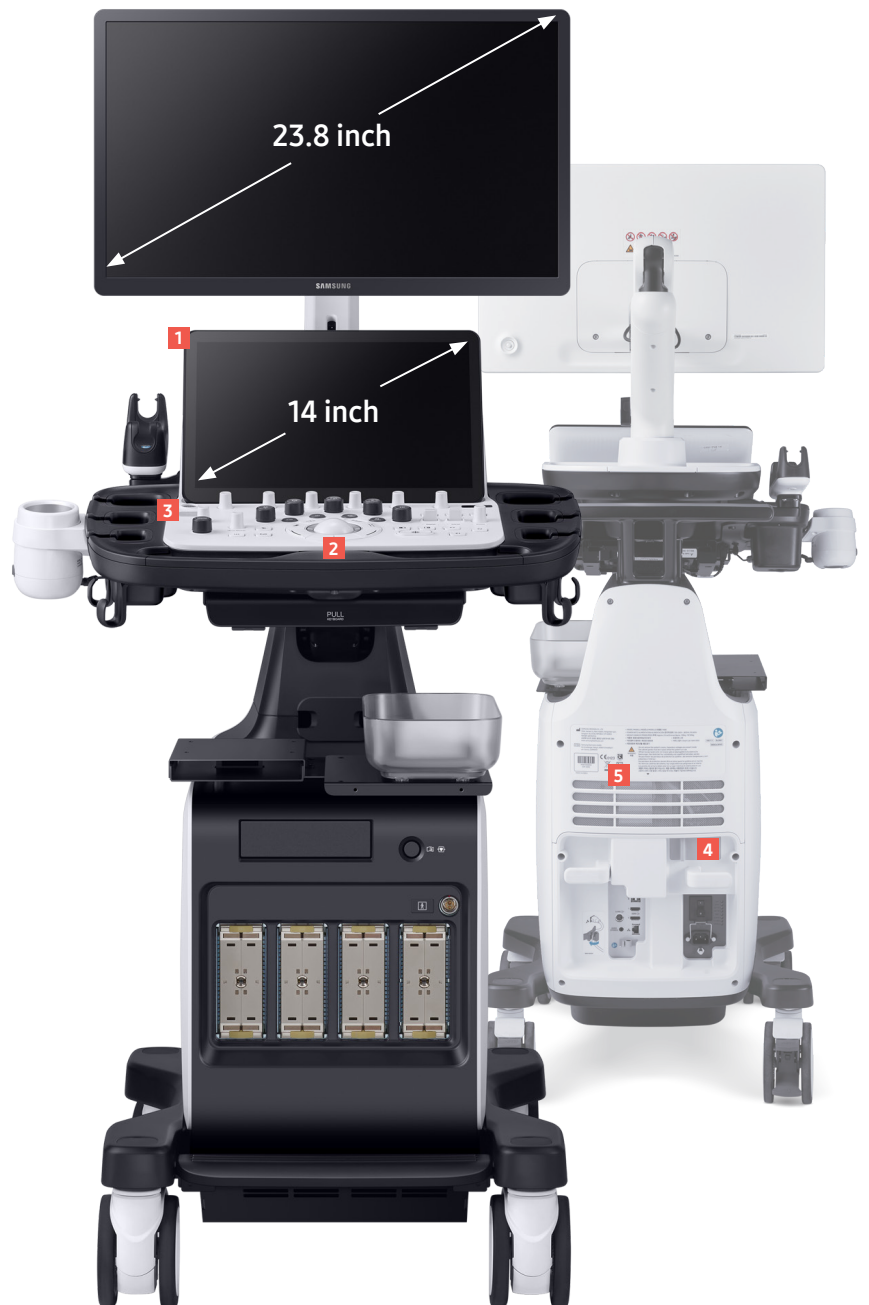
Comprehensive selection of transducers

Phased array transducers

S-Vue Transducer™

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

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

Curved array transducer

CA4-10M
Abdomen, Pediatric, Vascular

Linear array transducers

S-Vue Transducer™

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

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

LA2-9A
Small parts, Vascular, Musculoskeletal, Abdomen, Pediatric

TEE transducer

MMPT3-7
Cardiac

CW transducers

DP2B
Cardiac, Vascular, TCD

CW6.0
Cardiac, Vascular

Cleaning and disinfection guide

Eco Package

ECO Package is reusable packaging composed of eco-friendly recycled paper. It is Samsung's commitment to achieving carbon-neutral of the earth and environment.

Learn more

CT-V8 V1.02-CV-IMC-220816-EN

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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.