Relentless Innovation
for your diagnostic confidence

SAMSUNG

V8

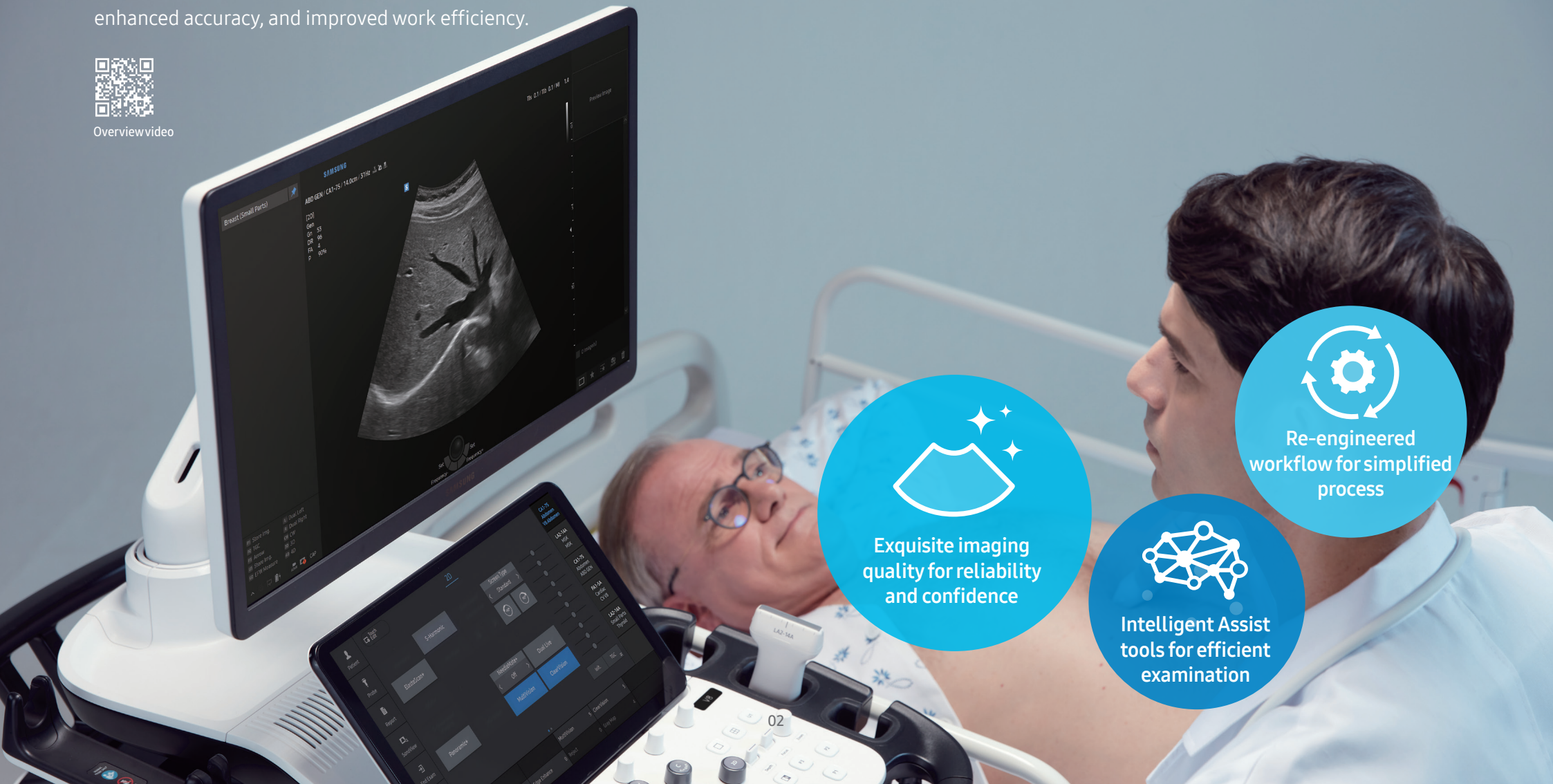
Step up confidence

Product Inquiry

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.

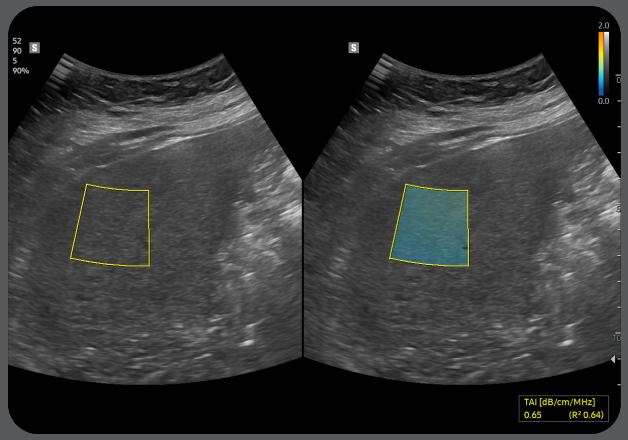
Overview video



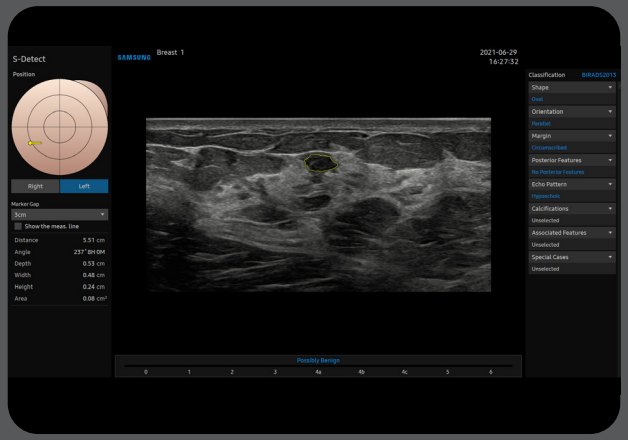
Feature-rich capabilities for diverse clinical cases

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.

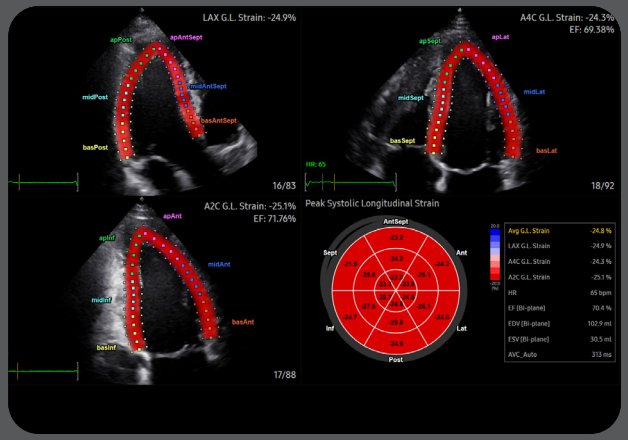
Image gallery



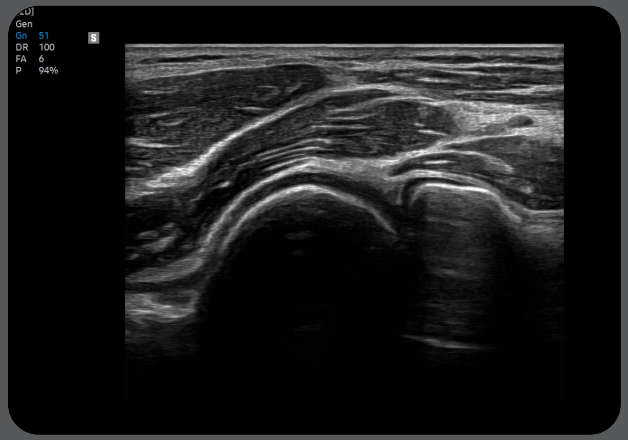
TAI™ (Tissue Attenuation Imaging)



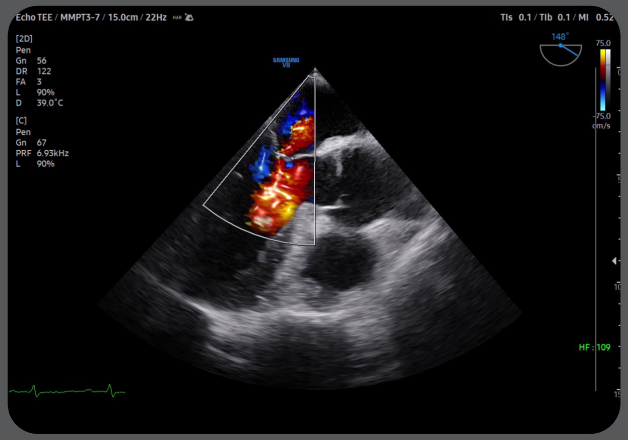
S-Detect™ for Breast



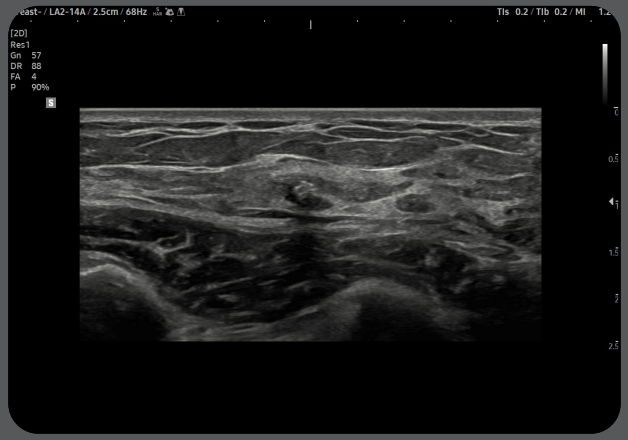
Strain+



Elbow with HQ-Vision™



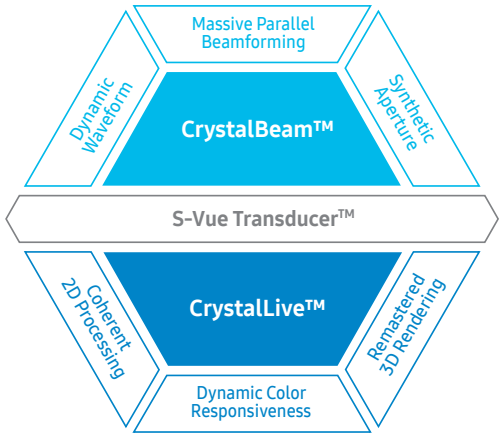
Mitral regurgitation with LumiFlow™ in ME LAX view on MMPT3-7



Calcification in breast tissue with ClearVision

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.

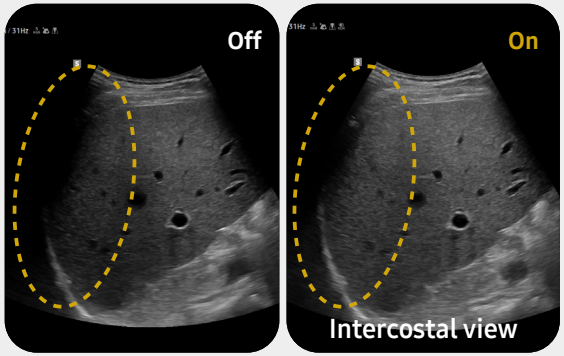


Crystal Architecture™

Enhance hidden structures in shadowed regions

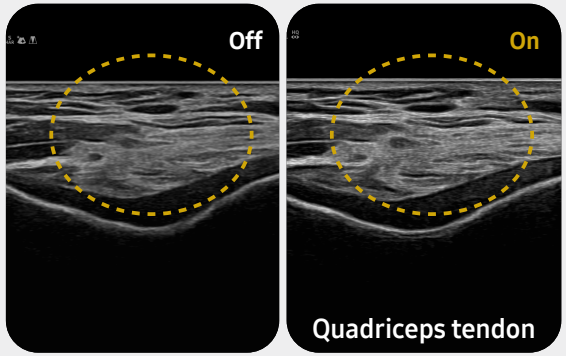
ShadowHDR™ selectively applies high-frequency and low-frequency of ultrasound to identify shadow areas where attenuation occurs.

White paper



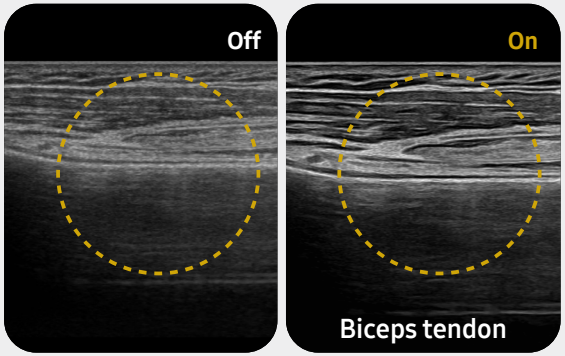
Clean up blurry areas in the image

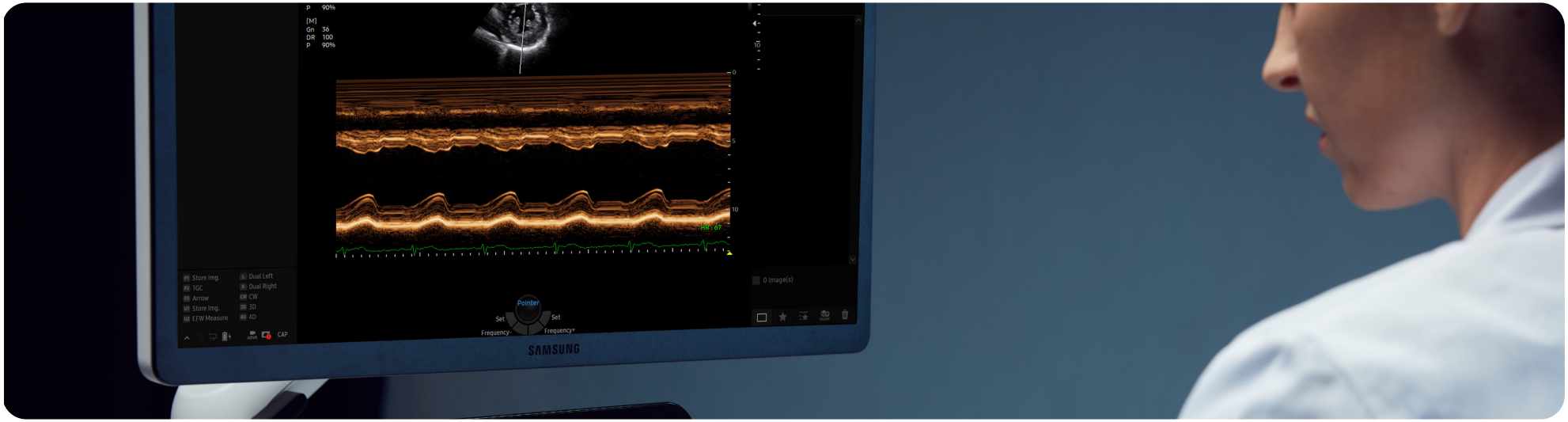
HQ-Vision™ [1] provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.



Reduce noise to improve 2D image quality

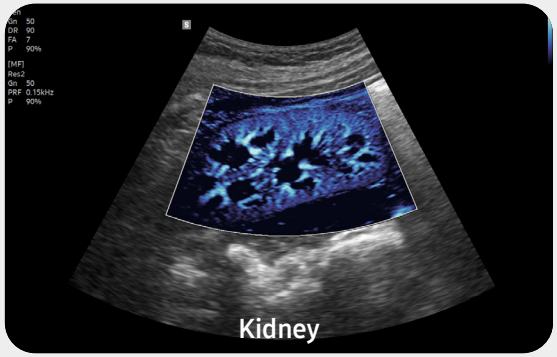
ClearVision enhances the edge contrast and creates sharp 2D images for optimal diagnostic performance.





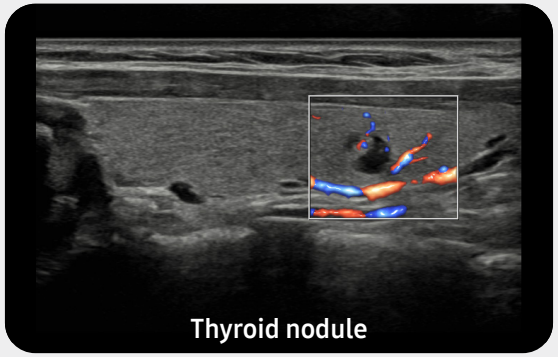
Visualize slow flow in microvascular structures

MV-Flow™ [1] visualizes microcirculatory and slow blood flow to display the intensity of blood flow in color.



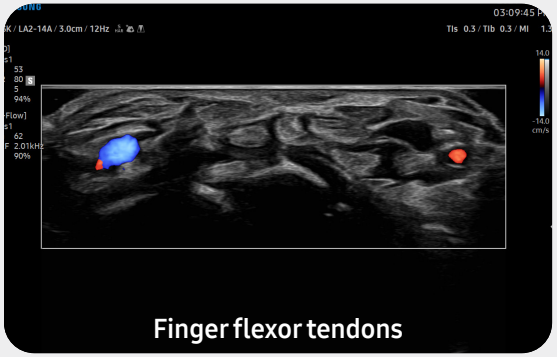
Show blood flow in vessels in a 3D like display

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.



Examine peripheral vessels with directional power Doppler

S-Flow™, a directional power Doppler imaging technology, can help to detect even the peripheral blood vessels. It enables accurate diagnosis when the blood flow examination is especially difficult.



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. For instance, EzHRI™, TAI™, and TSI™ are advanced abdominal dedicated diagnostic features, that help make accurate clinical assessments by quantifying fatty liver in real time.

Learn more

Perform multi-modality fusion biopsies with high precision

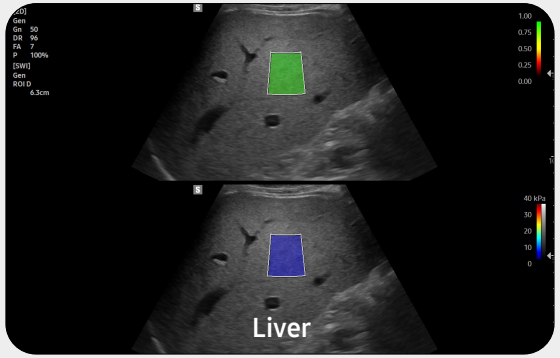
S-Fusion™ [1] enables simultaneous localization of a lesion using real-time ultrasound with other volumetric imaging modalities, enabling accurate targeting during interventional and other advanced clinical procedures.

White paper

Display and quantify tissue stiffness in a non-invasive method

S-Shearwave Imaging™ [1] allows the non-invasive assessment of stiff tissues in various applications. The color-coded elastogram, quantitative measurements, display options, and user-selectable ROI functions are useful for accurate diagnosis.

White paper

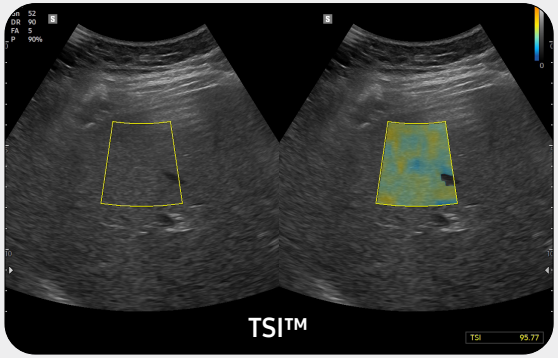


Quantitative measurement of liver fat with ultrasound signal

TAI™ [1] **(Tissue Attenuation Imaging)** provides quantitative tissue attenuation measurement to assess steatotic liver changes.

White paper

TSI™ [1] **(Tissue Scatter distribution Imaging)** provides quantitative tissue scatter distribution measurement to assess steatotic liver changes.



Hepato-renal index with automated ROI recommendation

HRI (Hepato Renal Index) is an index to quantify steatosis of a liver by comparing echogenicity between liver parenchyma and renal cortex. **EzHRI™** [1] places 2 ROIs on the liver parenchyma and renal cortex and provides HRI ratio.

White paper

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

Analyze selected breast lesions and report breast assessment

S-Detect™ [1,4] **for Breast** analyzes selected lesions in the breast ultrasound study and shows the analysis data, applies BI-RADS ATLAS* to provide standardized reporting; and helps diagnosis with the streamlined workflow.

White paper

* Breast Imaging-Reporting and Data System, Atlas
It is a registered trademark of ACR and all rights reserved by ACR.

Analyze selected thyroid lesions and report thyroid assessment

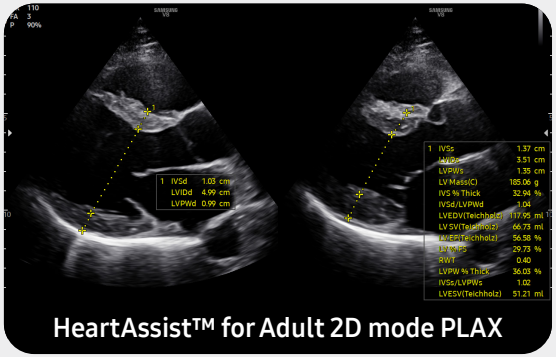
S-Detect™ [1,4] **for Thyroid** analyzes selected lesions in the thyroid ultrasound study and shows the analysis data, provides standardized reporting based on the ATA, BTA, EU-TIRADS, and K-TIRADS* guidelines; and helps diagnosis with the streamlined workflow.

* ATA: American Thyroid Association
BTA: British Thyroid Association
EU-TIRADS: European Thyroid Imaging Reporting and Data System
K-TIRADS: Korean Thyroid Imaging Reporting and Data System

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

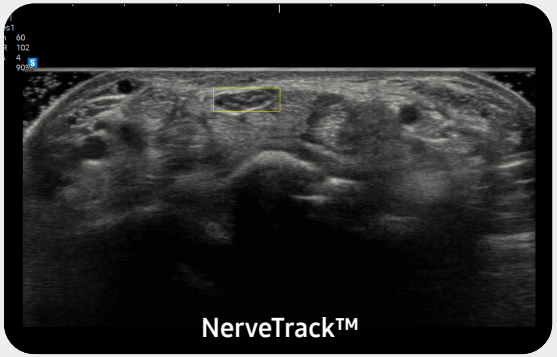


HeartAssist™ for Adult 2D mode PLAX

Detect and track nerves automatically with AI technology

NerveTrack™ [1], a feature based on Deep Learning technology, detects and provides information of the location of the nerve area in real-time during ultrasound scanning.

White paper



NerveTrack™

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

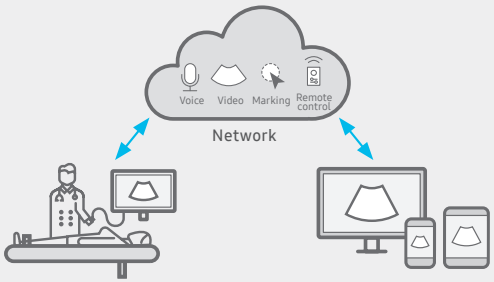
Display needle tip clearly

NeedleMate+™ [1] delineates needle location when performing interventions such as nerve blocks. Improved accuracy and efficiency in procedure are possible with beam steering added to NeedleMate+™.

Other features CEUS+ [1], ElastoScan+™ [1], E-Strain™ [1], AutoEF [1], StressEcho [1], AutoIMT+ [1], Panoramic+ [1]

Re-engineered workflow and design for a simplified process

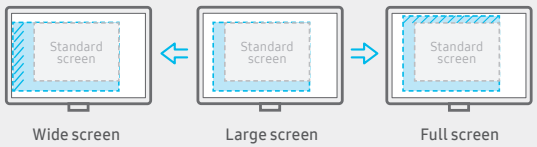
Ease your day by streamlining workflow with V8's convenient features that reduce multiple tasks into just a few steps and keystrokes. How we display the scan data more easily and precisely is an important focus for the user experience. The ergonomic design makes effective use of the user's working environment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



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

SonoSync™ [1,5] 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

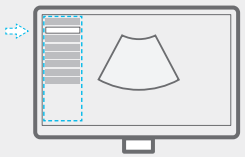


See images in expanded view

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

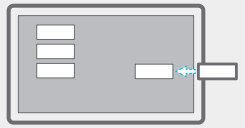
Build predefined protocols to ensure every step is followed every time

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.

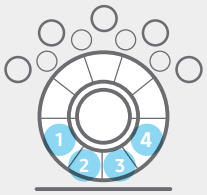
Access directly to RIS from the system

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.

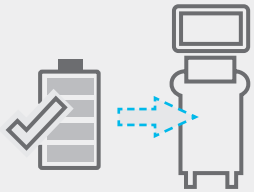


Save image data directly to USB memory

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

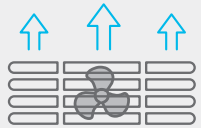
Continue working even when AC power is temporarily unavailable

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.



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

Curved array transducers

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

CA3-10A
Abdomen, Obstetrics, Gynecology, Pediatric, Musculoskeletal, Vascular, Urology, Thoracic

CA4-10M *
Abdomen, Pediatric, Vascular

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

Linear array transducers

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

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

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

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

L3-22
Musculoskeletal, Small parts, Vascular, Pediatric

LA3-22AI
Musculoskeletal, Intraoperative

Volume transducers

CV1-8A
Abdomen, Obstetrics, Gynecology, Urology

EV2-10A *
Obstetrics, Gynecology, Urology

Endocavity transducers

EA2-11AR *
Obstetrics, Gynecology, Urology

EA2-11AV *
Obstetrics, Gynecology, Urology

miniER7 *
Urology, Obstetrics, Gynecology

CW transducers

DP2B
Cardiac, Vascular, TCD

CW6.0
Cardiac, Vascular, TCD

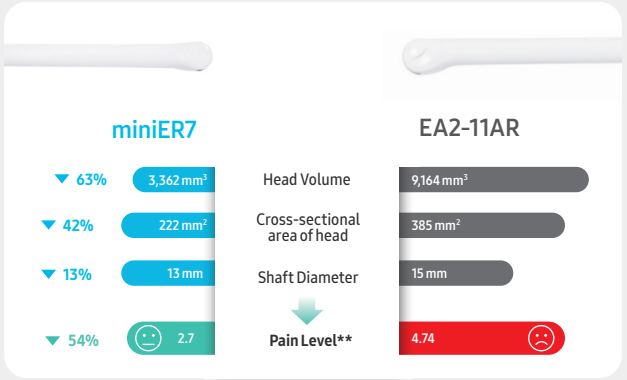
TEE transducer

MMPT3-7
Cardiac

Ultra Compact Prostate Ultrasound Transducer

Samsung has developed **miniER7,** an ultra-mini caliber prostate transducer with minimal head size to reduce patients pain and discomfort* when performing prostate examinations.

* Compared to Samsung's EA2-11AR
** Based on internal exam



*** 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

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.

Learn more

Intrusion prevention

Access control

Data protection

About Samsung Medison CO., LTD.

Samsung Medison, an affiliate of Samsung Electronics, is a global medical company founded in 1985. With a mission to bring health and well-being to people's lives, the company manufactures diagnostic ultrasound systems around the world across various medical fields. Samsung Medison has commercialized the Live 3D technology in 2001 and since being part of Samsung Electronics in 2011, it is integrating IT, image processing, semiconductor and communication technologies into ultrasound devices for efficient and confident diagnosis.

* 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. Strain value for ElastoScan+™ is not applicable in the United States and Canada.
4. Recommendations about whether results are benign or malignant in S-Detect™ are not applicable in the United States.
5. SonoSync™ is an image sharing solution.

Eco Packaging

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

Learn more

CT-V8 V1.04-GI-JWP-230728-EN

SAMSUNG MEDISON CO., LTD.

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