

Relentless Innovation
for your diagnostic confidence

SAMSUNG



RS80 EVO

**Exceptional
confidence**



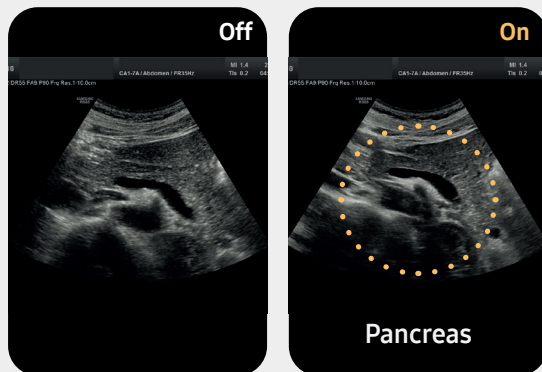
Product Inquiry

Exquisite Image Quality

Samsung's image enhancing and artifact suppressing technologies provide clear, detailed imaging that you can count on to help improve diagnostic confidence and imaging continuity as well as its expert tools offer new perspectives and provide additional information for confident decision making.

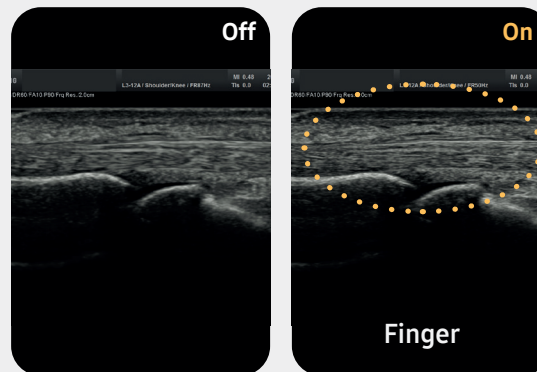
Noise reduction filter to improve 2D image quality

The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. In addition, ClearVision provides application-specific optimization and advanced temporal resolution in live scan mode.



Clean up blurry areas in the image

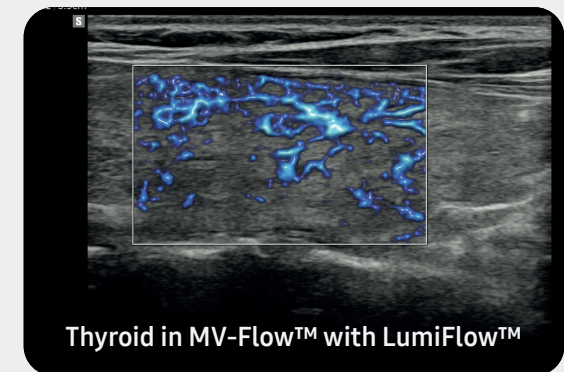
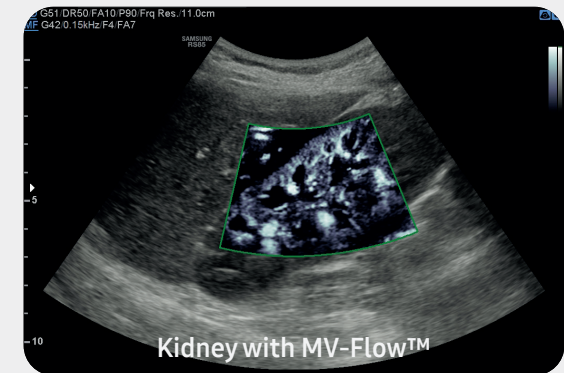
HQ-Vision™ provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.



Visualize slow flow in microvascular structures

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

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.



Increased Consistency

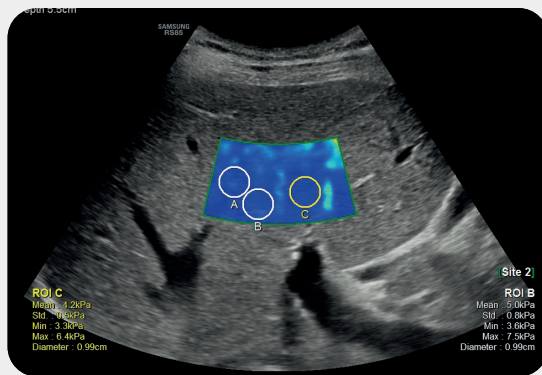
With its advanced intelligent solutions, including an extensive range of quantification functions, RS80 EVO provides measurement consistency while reducing variability between users.

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.



Learn more

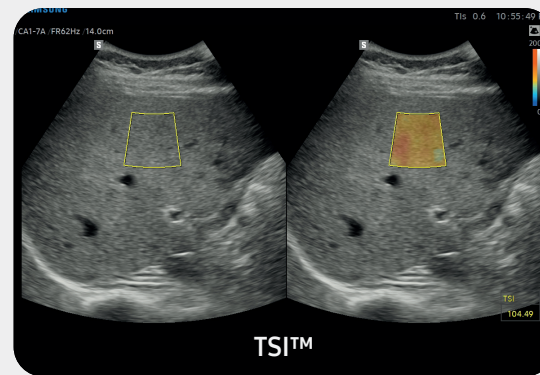


Quantitative measurement of liver fat with ultrasound signal

TAI™¹ provides a quantitative tissue attenuation measurement to assess steatotic liver changes.



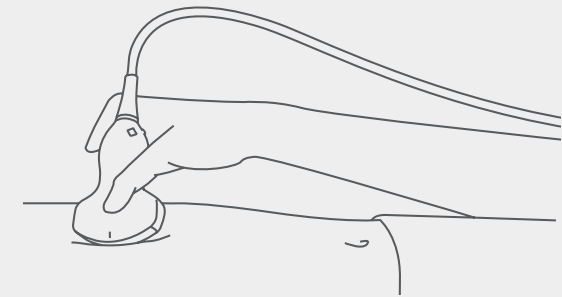
Learn more



Perform multi-modality fusion biopsies with high precision

S-Fusion™¹ enables simultaneous localization of a lesion using real-time ultrasound in conjunction with other volumetric imaging modalities. Samsung's Auto Registration helps quickly and precisely fuse the images, increasing efficiency and reducing procedure time. S-Fusion™ enables precise targeting during interventional and other advanced clinical procedures.

Positioning Auto helps quick and efficient examination with one-step initial registration between CT/MR and ultrasound images by positioning the transducer in the patient's pit of the stomach before patient scan.

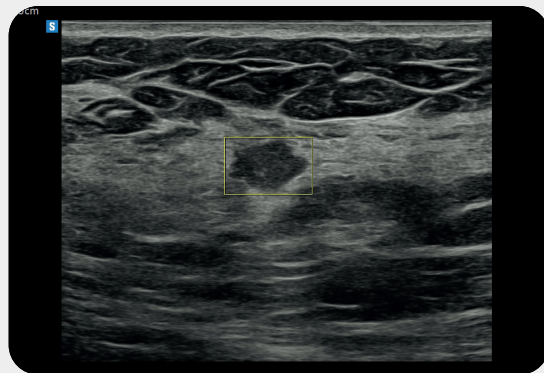


S-Fusion™ for Prostate allows safe navigation and precise targeting during prostate biopsies based on 3D models created from MR data sets, and also provides a function to report biopsy location.



Detect and track interested areas of breast with AI technology

Live BreastAssist™ 1, a feature based on Deep Learning technology, detects interested areas in real-time during breast scanning and displays the location of lesions to assist healthcare professionals in diagnosis.



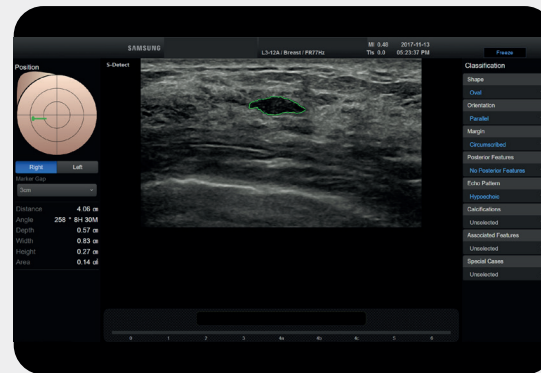
Analyze selected breast lesion and report breast assessment

S-Detect™ 1,2 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.



Learn more

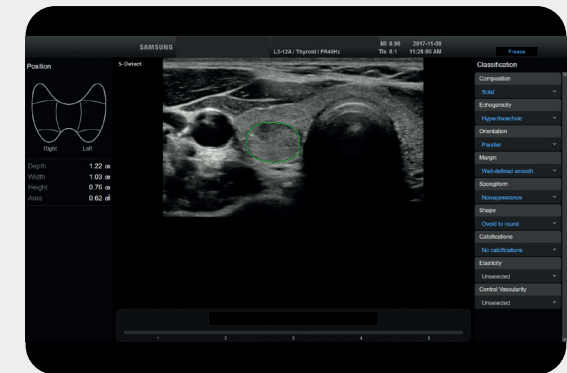
* Breast Imaging-Reporting and Data System, Atlas
Registered trademark of ACR and all rights reserved by ACR.



Analyze selected thyroid lesions and report thyroid assessment

S-Detect™ 1,2 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, K-TIRADS and ACR TI-RADS 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
ACR TI-RADS : American College of Radiology Thyroid Imaging Reporting and Data System



Measure IMT(intima-media thickness) in one click

AutoIMT+¹ is a screening tool to analyze a patient's potential risk of cardiovascular disease. It allows easy intima-media thickness measurement of both the anterior and posterior wall of the common carotid by the click of a button.

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. Since the functional changes occur before morphological changes, this technology supports the early detection of cardiovascular disease.

Detect and track nerves 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.



Learn more

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). In Strain+, three standard LV views and a Bull's Eye are displayed in a quad screen for easy and quick assessment of the LV function.

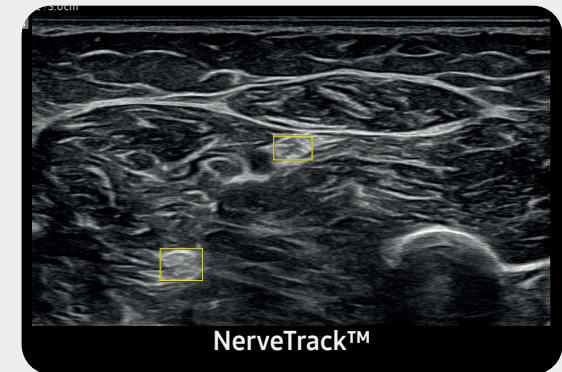


Learn more

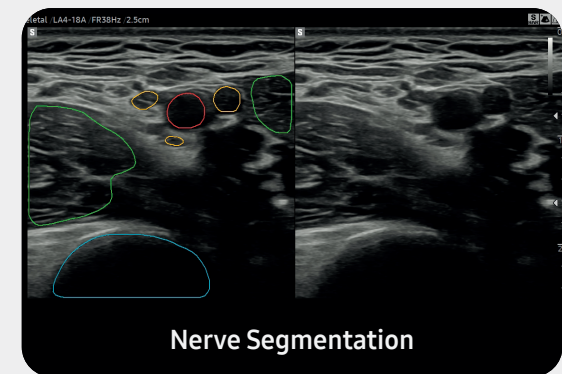
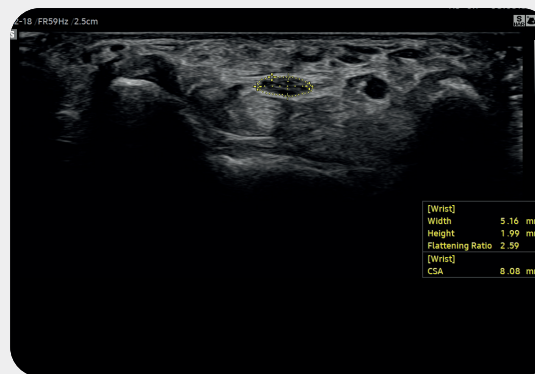
A semi-automated measurement tool for nerve



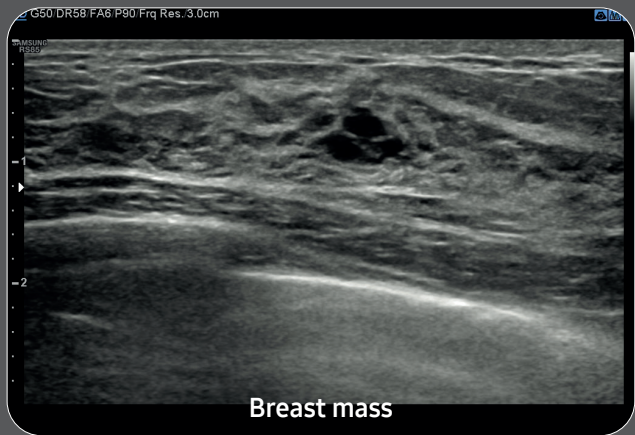
EzNerveMeasure™¹ is a feature that provides measurement results of the long axis, short axis, flattening ratio, and Cross-Sectional Area of the detected nerve area.



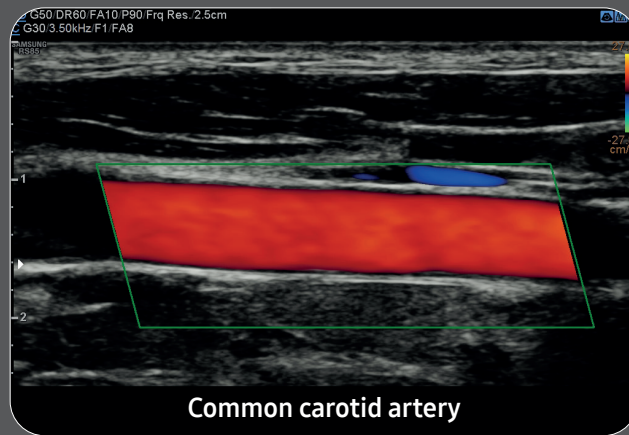
NerveTrack™



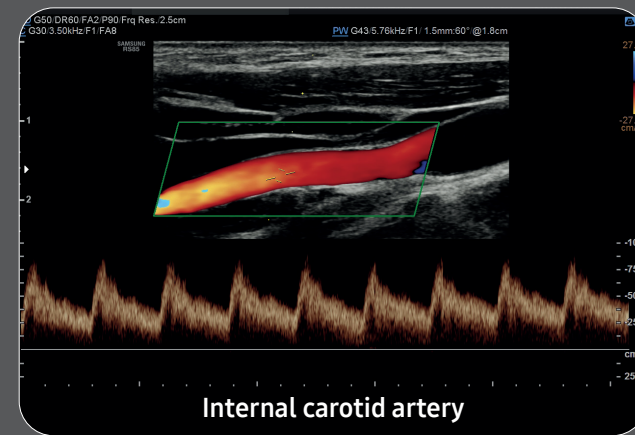
Nerve Segmentation



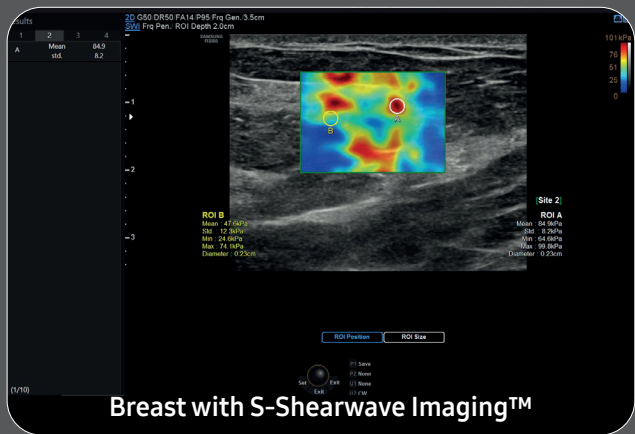
Breast mass



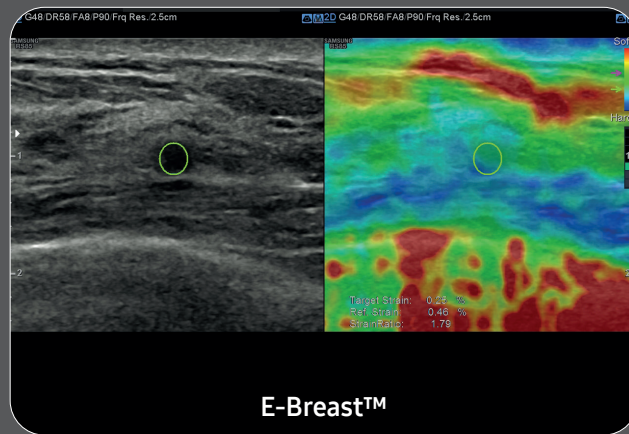
Common carotid artery



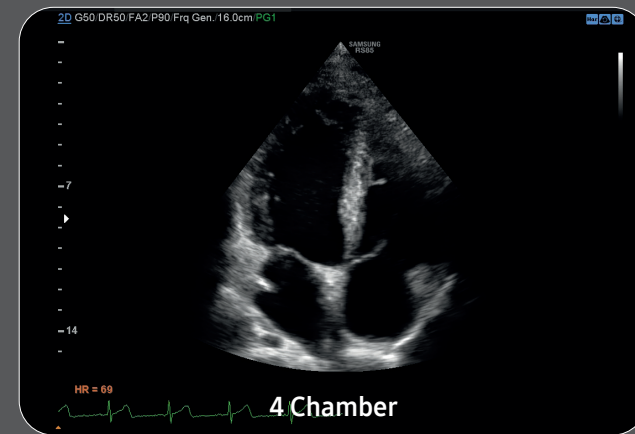
Internal carotid artery



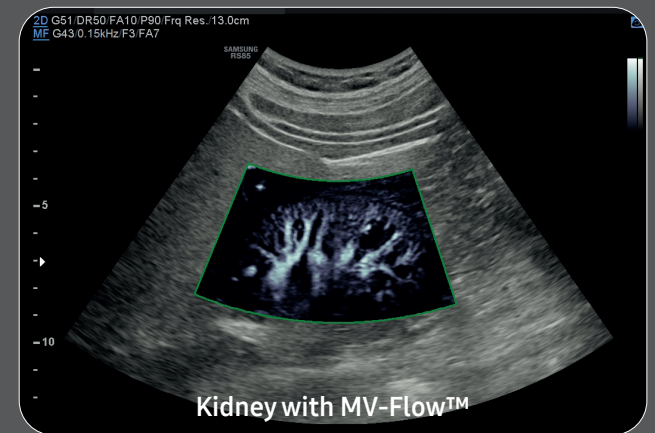
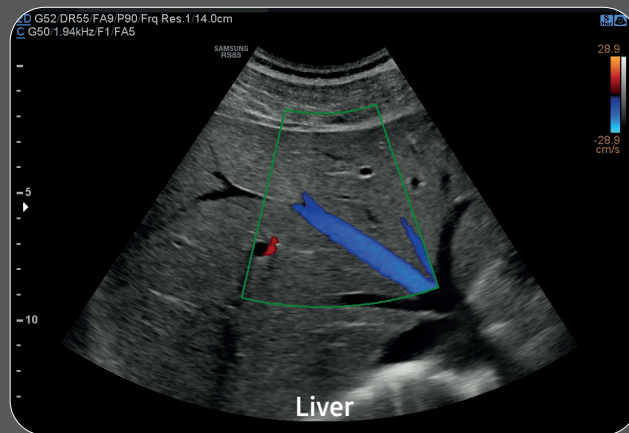
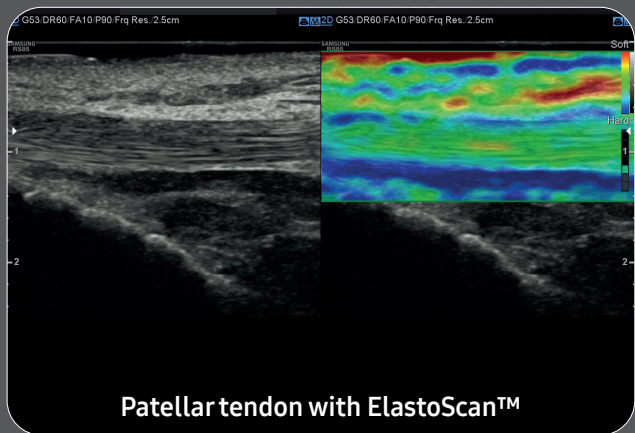
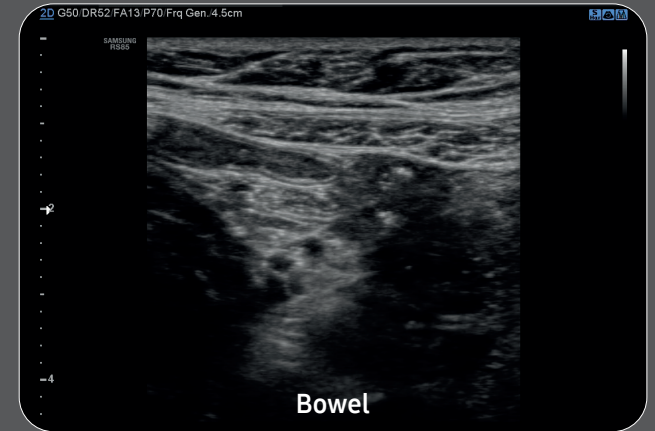
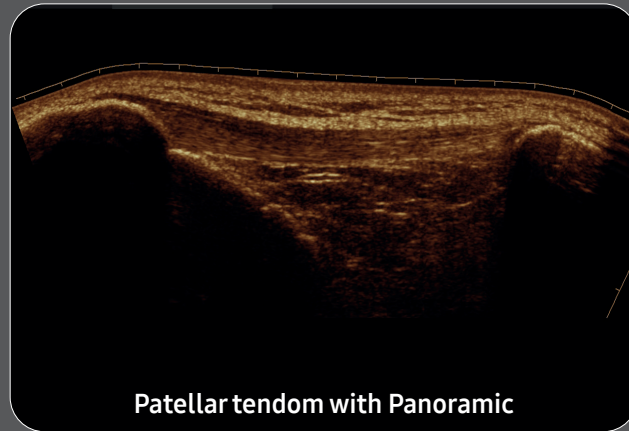
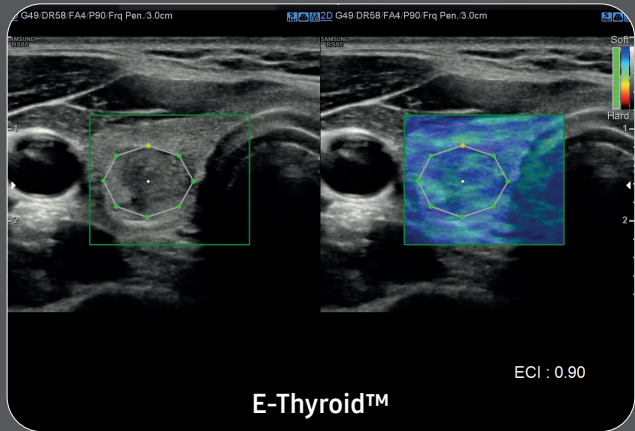
Breast with S-Shearwave Imaging™



E-Breast™

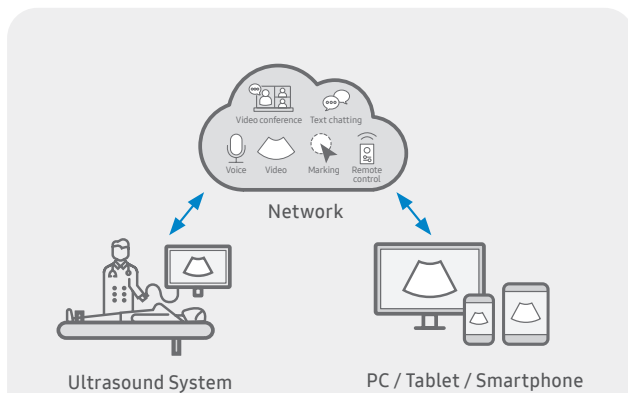


4 Chamber



Enhanced Efficiency

The RS80 EVO has been designed to streamline your workflow by enhancing efficiency through reducing keystrokes and by combining multiple actions into one.



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

SonoSync™^{1,3} is a real-time image sharing solution that allows collaborative communication for care guide and training between sonographers and doctors. In addition, voice chatting and real-time marking function are provided for efficient communication, and the MultiVue function is included to monitor multiple ultrasound images on a single screen.

* SonoSync™ is an image sharing solution, not a diagnostic solution.



Learn more

Automatic transducer setting tool based on the worklist

EzPrep™ is a function that automatically selects the transducer based on the worklist inputted in the ultrasound system and sets the Preset of the selected transducer.



Select transducer and preset combinations in one click

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



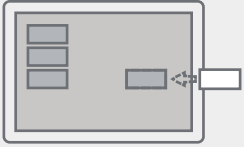
Build predefined protocols to ensure every step is followed every time

EzExam+™¹ ensures the full investigation is performed, eliminating the risk of forgetting an image or loop capture, as well as measurement and transducer preset changes.



Access directly 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.



Touch Customization

A customizable touchscreen interface that allows the user to move frequently used functions to the first page, keeping the focus on the patient instead of the system.



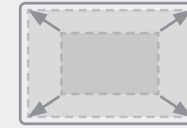
6-way Control Panel

The RS80 EVO's 6-way adjustable control panel optimizes your work environment to reduce repetitive motions stress. When it's in off-mode, the control panel returns to the home position, allowing for easier and enhanced mobility.



Central Lock

A single pedal controls a central lock mechanism to conveniently secure the console in place. This results in more efficient movements while the user is performing scanning procedures.



Full Screen

In the Full Screen mode, the ultrasound examination can be performed while viewing the image/cine that is fully expanded to the entire monitor.



14-inch Tilting Touch Screen

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



Maneuverable Wheel

4 swivel wheels allow easy steering, and a locking function.

Comprehensive Selection of Transducers

Curved array transducers



CA1-7A
Abdomen, obstetrics,
gynecology,
pediatric, vascular,
musculoskeletal



CA3-10A
Abdomen, obstetrics,
gynecology,
pediatric, vascular,
musculoskeletal



CA2-8A
Abdomen, obstetrics,
gynecology



CA4-10M*
Pediatric, vascular

Linear array transducers



L3-22
Small parts, vascular,
musculoskeletal,
pediatric



LA2-14A
Small parts, vascular,
musculoskeletal,
abdomen



LA4-18A*
Small parts, vascular,
musculoskeletal,
abdomen



LA3-16A
Small parts, vascular,
musculoskeletal



LM4-15B
Small parts, vascular,
musculoskeletal,
abdomen



LA2-9A
Small parts, vascular,
musculoskeletal,
abdomen



LA2-9S*
Small parts, vascular,
musculoskeletal,
abdomen



LA3-22AI
Small parts, vascular,
musculoskeletal,
pediatric, intraoperative



LA3-16AI
Musculoskeletal,
intraoperative



LM2-18*
Small parts, vascular,
musculoskeletal,
abdomen, pediatric

Phased array transducers



PA1-5A*
Cardiac, TCD,
abdomen



PM1-6A
Cardiac, TCD,
abdomen



PA3-8B
Cardiac, pediatric,
abdomen



PA4-12B
Cardiac, pediatric



CV1-8A
Abdomen, obstetrics,
gynecology



EV3-10B
Obstetrics,
gynecology, urology



EV2-10A*
Obstetrics,
gynecology, urology

Endo-cavity transducers



EA2-11B
Obstetrics,
gynecology, urology



EA2-11AR*
Obstetrics,
gynecology, urology



EA2-11AV*
Obstetrics,
gynecology, urology



miniER7*
Obstetrics,
gynecology, urology

CW transducers



CW6.0
Cardiac, vascular



DP2B
Cardiac

TEE transducer

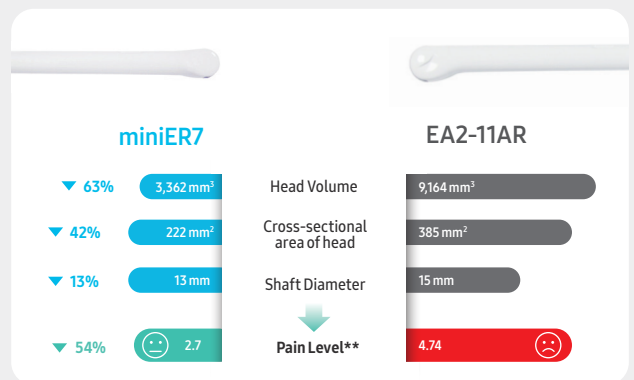


MMPT3-7
Cardiac

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 study



* Ergonomic Transducer

The new convex transducer design with a smooth and slim grip helps users to scan easily and comfortably. The new endocavity transducer supports natural grip by moving the max width point to a more forward position and also increased 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. Samsung's Cybersecurity Solution strives to abide by the CIA triad (Confidentiality, Integrity, and Availability) and takes a comprehensive approach to providing impeccable protection with the following pillars:
Intrusion prevention, Access control, and Data protection



Learn more



Intrusion prevention



Access control



Data protection

About Samsung Medison CO., LTD.

Samsung Medison, an affiliate of Samsung Electronics, is a global medical equipment 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 are not commercially available in all countries.
 - * Sales and shipments are effective only after the approval by the regulatory affairs.
Please contact your local sales representative for further details.
 - * S-Vue Transducer™ is not the name of a function, but is the name of Samsung's advanced transducer technology.
 - * Strain value for ElastoScan+™ is not applicable in Canada and the United States.
 - * This product is a medical device, please read the user manual carefully before use.
1. Optional feature which may require additional purchase.
 2. Recommendations about whether results are benign or malignant in S-Detect™ are not applicable in the United States.
 3. SonoSync™ is an image sharing solution.

Eco Packaging

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

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