Secure your care
Samsung Healthcare Cybersecurity

Bringing peace of mind to your hospital and patients

To address this 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.**

Intrusion prevention

Tools for protecting against cyber threats from external attacks

- Security tools include Anti-virus & Firewall
- Secured operating system

Access control

Strengthened surveillance for tracking the access of patient information

- Account management
- Enhanced audit trail

Data protection

Encryption functions for safeguarding data whether at-rest or in-transit

- Data protection
- Transmission security

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.

* This product, features, options and transducers are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local sales network for further details.
* This product is a medical device, please read the user manual carefully before use.
* Beyond Experience™ is not the name of a function, but is Samsung's marketing terminology.
* S-Vision™ is the name of Samsung's ultrasound imaging technology.
* S-Vue Transducer™ is not the name of a function, but is the name of Samsung's advanced transducer technology.
* S-Detect™ for Breast and S-Detect™ for Thyroid are not available in Canada.
* Strain value for ElastoScan+™ is not applicable in Canada and the United States.
* All clinical images on this catalog are acquired by the RS85 V1.0 ultrasound system.

CT-RS80 EVO V1.00_IMC_200720-EN

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CE 0123

Exceptional Confidence

Ultrasound System
RS80 EVO

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

EXPERIENCE
A New Healthcare Solution

SAMSUNG

Becoming part of evolutionary ultrasound

Beyond Experience, an integrated solution engineered to offer medical professionals a new and outstanding experience in diagnosis, delivers enriched views, advanced intelligence, streamlined workflow, and patient-centered care.

RS80 EVO is a versatile system provides exquisite image quality for wide range of applications including abdominal, cardiac, vascular and musculoskeletal, with enhanced diagnostic features. Our ultrasound system will help you make decisions quickly and more confident while keeping exam uniformity.

Ultrasound System **RS80 EVO**

BEYOND EXPERIENCE™

Samsung's commitment to supporting confident decision making

Enriched View

Advanced Intelligence

BEYOND EXPERIENCE™

Streamlined Workflow

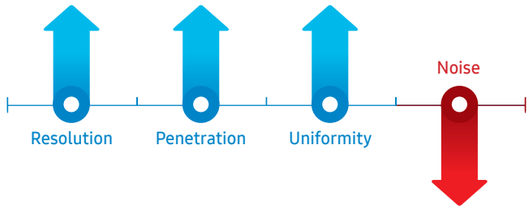
Patient-centered Care

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.

S-Vision™ Imaging Engine

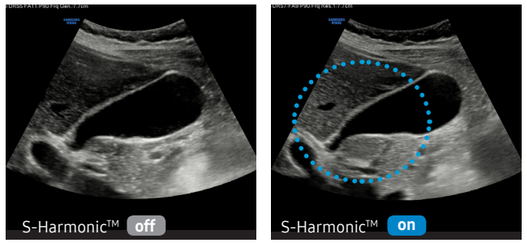
With the S-Vision™ Imaging Engine built into RS80 EVO, the digital signals produce clear, detailed resolution and tissue uniformity for various types of applications in general imaging.



* The image above is for illustrational purposes only and might differ from the actual performance of the device.

S-Harmonic™

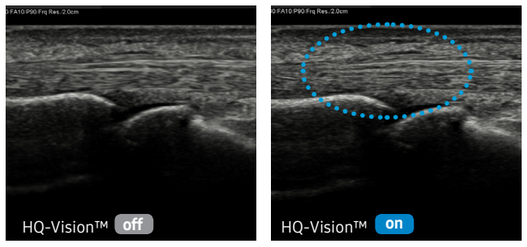
S-Harmonic™ mitigates the signal noise, enhances contrast, and provides uniform image performance of overall image area from near-to-far.



Gallbladder

HQ-Vision™

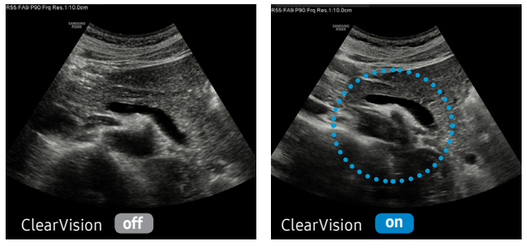
HQ-Vision™ provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.



Finger

ClearVision

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.



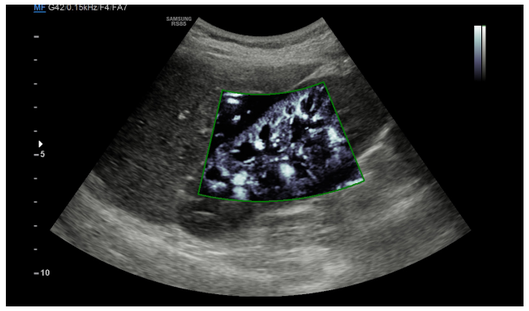
Pancreas

MV-Flow™ *

MV-Flow™ visualizes microcirculatory and slow blood flow to display the intensity of blood flow in color. It is suitable for observation of microcirculatory blood flow and volume of slow blood flow.

S-Flow™

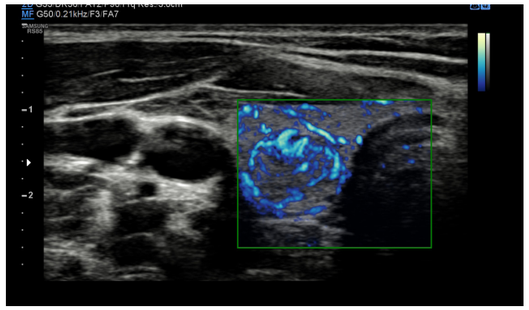
The function uses directional power doppler technology, enabling you to examine even the peripheral vessels. It displays information on the intensity and direction of blood flow. DPDI Mode: When it is selected, the PRF value is displayed on the color bar.



Kidney with MV-Flow™

CEUS+ *

CEUS+ is a contrast enhancement imaging technology that utilizes the characteristics of ultrasound contrast agents. The microbubble contrast agent injected into the body through the vein or alike is subjected to perform nonlinear resonance due to stimulation of ultrasound energy. In addition to the nonlinear signal generated by this method, the ultrasound contrast image is implemented by using the harmonic signal and thus utilized for the diagnosis based on the contrast characteristics over time.



Thyroid with MV-Flow™

S-Fusion™ *

S-Fusion™ 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.

S-Fusion™ for Prostate

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.

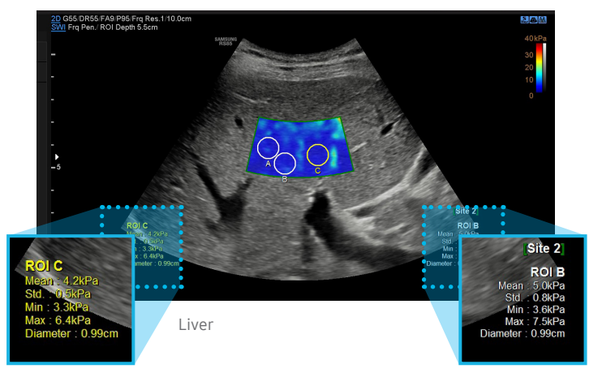
* Optional Extra

Increased Consistency

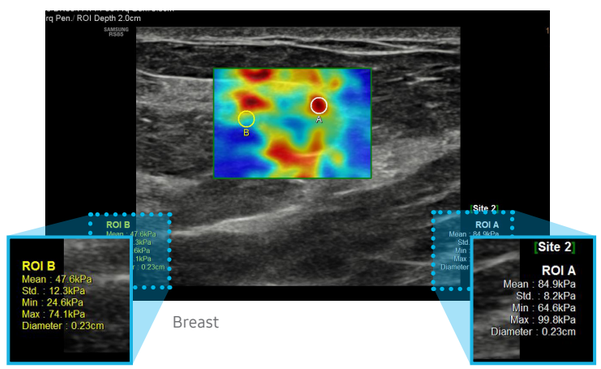
With its advanced intelligent solutions, including an extensive range of quantification functions, RS80 EVO provides measurement consistency while reducing variability between users.

S-Shearwave Imaging™ *

S-Shearwave Imaging™ allows for non-invasive assessment of the stiffness of tissue/lesions in various applications such as breast, liver, MSK and prostate. The color-coded elastogram, quantitative measurements, dual or single display option, and user-selectable ROI functions are especially useful for the accurate diagnosis of breast and liver diseases.



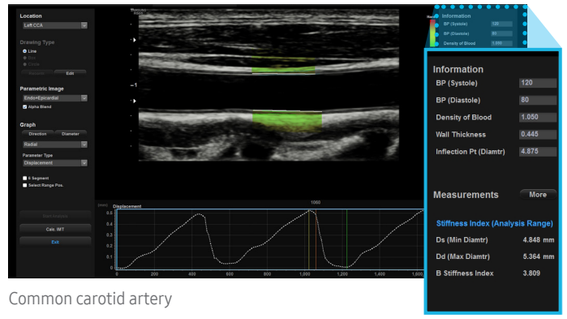
Liver



Breast

ArterialAnalysis™ *

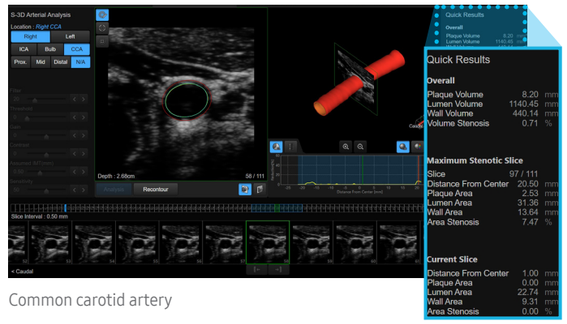
ArterialAnalysis™ detects functional changes of vessels, providing measurement values such as the stiffness, intima-media thickness and pulse wave velocity of the common carotid artery. Since the functional changes occur before morphological changes, this technology supports the early detection of cardiovascular disease.



Common carotid artery

S-3D ArterialAnalysis™ *

S-3D ArterialAnalysis™ simplifies volume measurement of arterial plaque, providing 3D vessel modeling. With Samsung's S-3D ArterialAnalysis™, obtaining information on the arterial plaque volume is surprisingly fast and easy even on difficult patients. In addition, it allows you to track the morphological changes of the artery.



Common carotid artery

S-Detect™ for Breast *

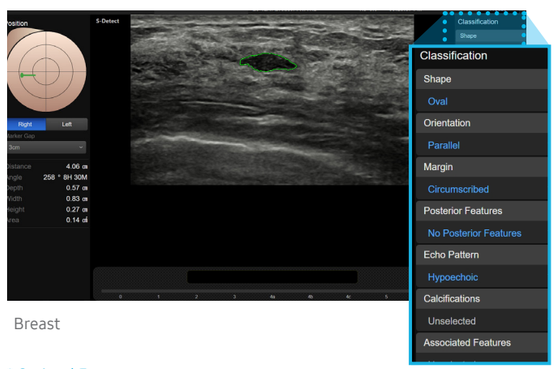
The feature, which analyzes selected lesions in the breast ultrasound study and shows the analysis data, applies BI-RADS ATLAS* (Breast Imaging-Reporting and Data System, Atlas) to provide standardized reporting; and helps diagnosis with the streamlined workflow.

* Registered trademark of ACR and all rights reserved by ACR.

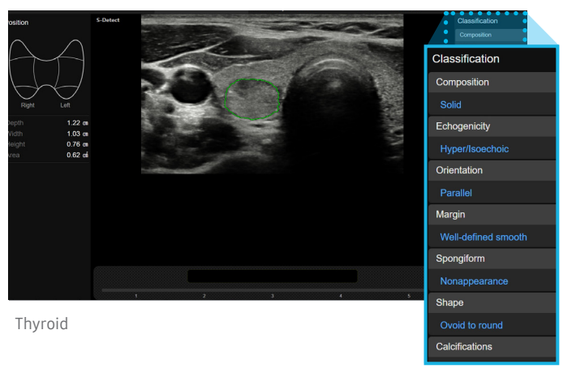
S-Detect™ for Thyroid *

The feature, which 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



Breast



Thyroid

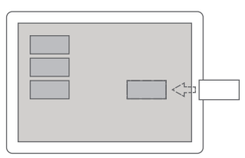
* Optional Extra

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.

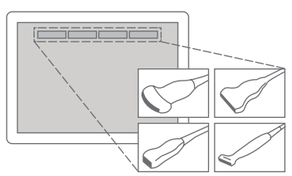
Touch Customization

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.



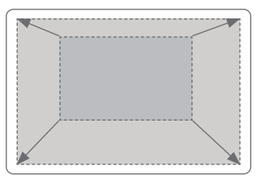
QuickPreset

With one touch, the user can select the most common transducer and preset combinations. QuickPreset increases efficiency to make a full day of scanning simple and easy.



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.



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.

13.3-inch Tilting Touch Screen

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

Gel Warmer

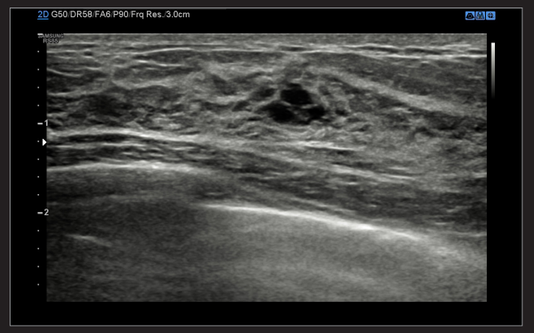
Samsung's two-level adjustable gel warmer keeps ultrasound gel at a comfortable temperature.

Central Lock

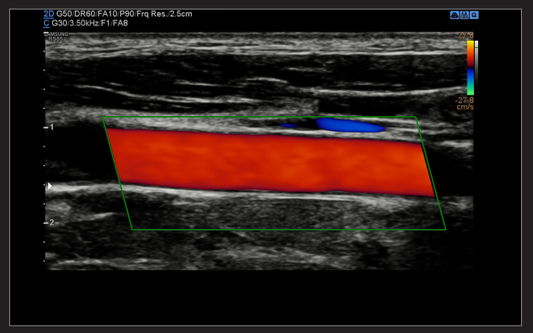
A single pedal controls a central lock mechanism to conveniently secure the console in place. This results in more efficient movements while the user is performing scanning procedures.

Maneuverable Wheel

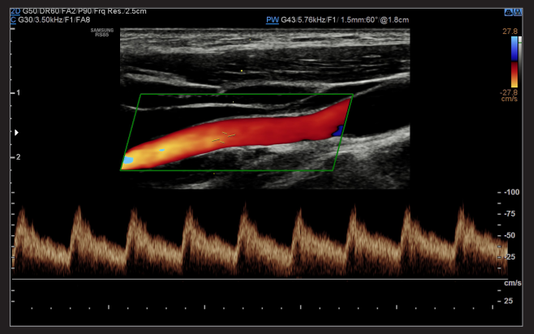
4 swivel wheels allow easy steering, and a locking function.



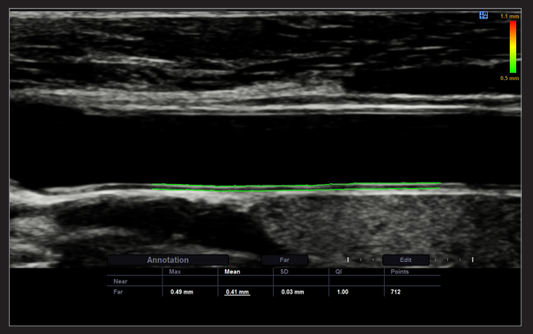
Breast mass



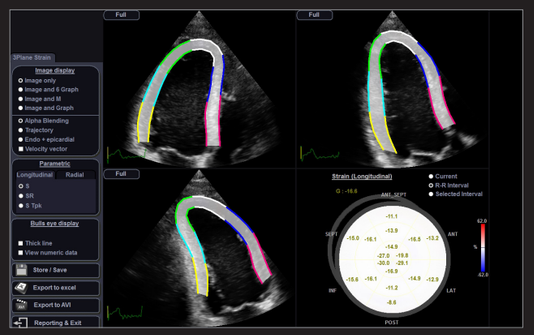
Common carotid artery



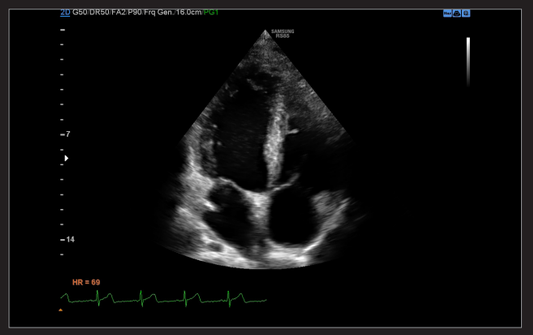
Internal carotid artery



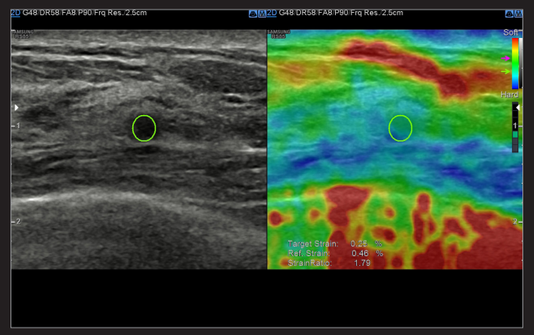
Auto IMT+



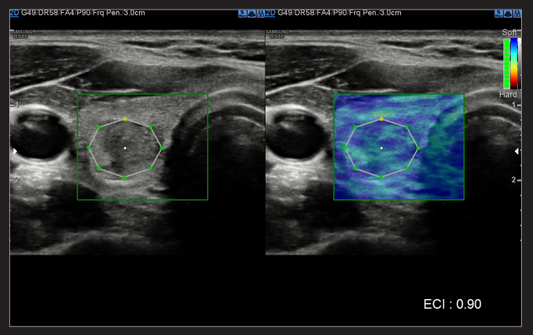
Strain+



4 Chamber



E-Breast™



E-Thyroid™

Comprehensive Selection of Transducers

Curved array transducers

CA1-7A

Application: abdomen, obstetrics, gynecology, contrast

CA3-10A

Application: abdomen, obstetrics, gynecology

CA2-8A

Application: abdomen, obstetrics, gynecology

CF4-9

Application: pediatric, vascular

Linear array transducers

LA4-18B

Application: small parts, vascular, musculoskeletal

L3-12A

Application: small parts, vascular, musculoskeletal

LA3-16A

Application: small parts, vascular, musculoskeletal

LA2-9A

Application: small parts, vascular, musculoskeletal

LA3-16AI

Application: musculoskeletal

Phased array transducers

PM1-6A

Application: cardiac, TCD, abdomen

PA3-8B

Application: cardiac, pediatric, abdomen

PA4-12B

Application: cardiac, pediatric

Endo-cavity transducer

EA2-11B

Application: obstetrics, gynecology, urology

CW transducers

CW6.0

Application: cardiac

DP8B

Application: cardiac

DP2B

Application: cardiac

TEE transducer

MMPT3-7

Application: cardiac

Volume transducers

CV1-8A

Application: abdomen, obstetrics, gynecology

LV3-14A

Application: musculoskeletal, small parts, vascular

V5-9

Application: obstetrics, gynecology, urology

EV3-10B

Application: obstetrics, gynecology, urology

* Some of the transducers may not be available in some countries.