RS85 Prestige

A Revolutionary Change in Advanced Diagnostics

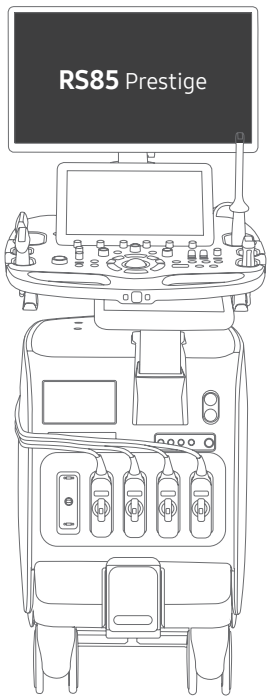
SAMSUNG

A Revolutionary Change in Advanced Diagnostics

SAMSUNG is proud to introduce the RS85 Prestige ultrasound system into the premium radiology marketplace.

Designed for ultimate scanning performance; RS85 Prestige effortlessly delivers consistent superb image clarity, impressive depth of penetration and sensitive perfusion of blood flow — all without excessive manipulation of console controls using SAMSUNG's new innovative "Crystal Architecture".

Scan here to watch the revolution
RS85 Prestige product video

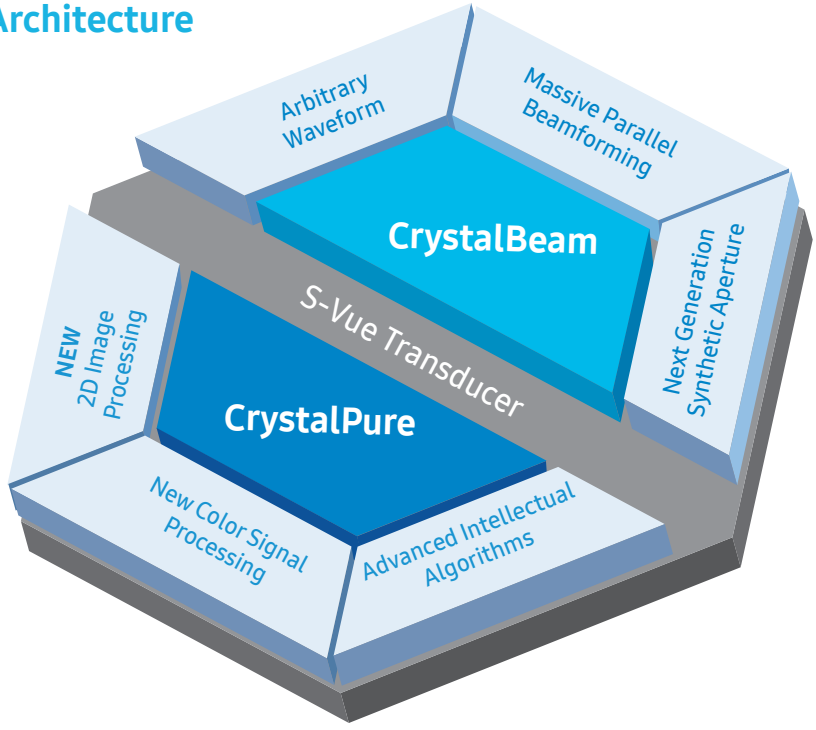


Imaging Technology Powered by Crystal Architecture™

Crystal Architecture is the core of our exceptional image clarity and penetration and is built upon a combination of innovative beamforming (Crystal Beam™), sophisticated image processing (Crystal Pure™) and advanced S-Vue Transducers™ to produce clear, uniform and high resolution images.

Crystal Architecture empowers ultrasound professionals with diagnostic confidence on even the most challenging of patients returning attention to the individual patient and not excessive manipulation of controls.

Crystal Architecture



X4 **Data Transfer Rate** for fast frame rates*

X4 **Processing Power** for high quality image*

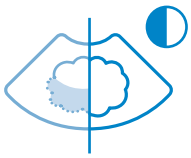
X2 **GPU Memory** for fast rendering speed*

* Compared to the Samsung RS85 V1.0

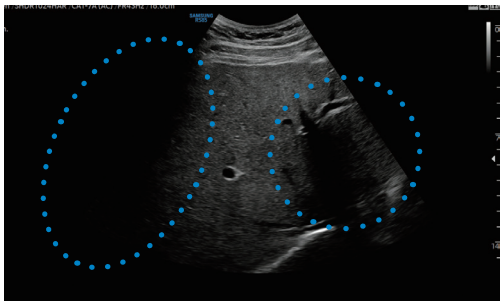
Sophisticated 2D & Color Image Processing by CrystalPure™

CrystalPure elevates system performance delivering superb 2D image clarity and increased color sensitivity for more confident assessment of blood flow within anatomy and pathology..

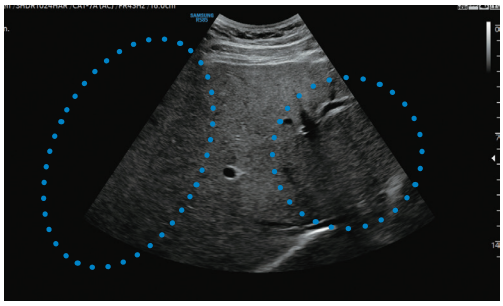
ShadowHDR™



ShadowHDR is designed to suppress shadows and enhance the clarity of displayed grayscale images.



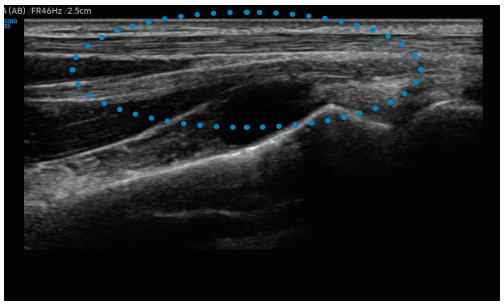
Liver without ShadowHDR



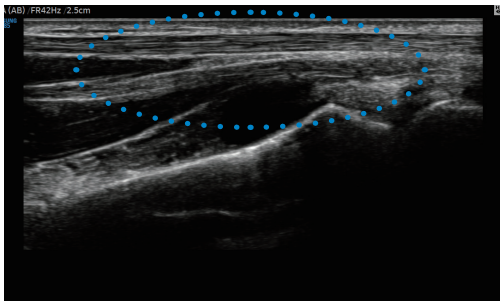
Liver with ShadowHDR

HQ-Vision™

HQ-Vision compensates for the natural signal distortion as sound propagates through tissue to display maximum pixel sharpness.

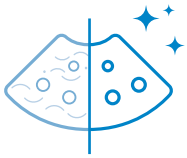


Wrist without HQ-Vision

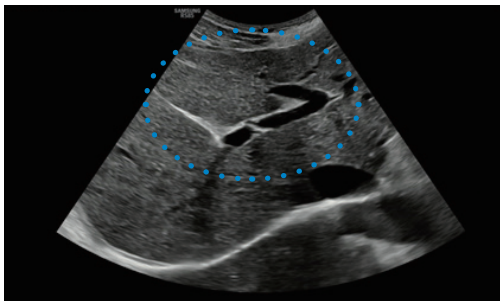


Wrist with HQ-Vision

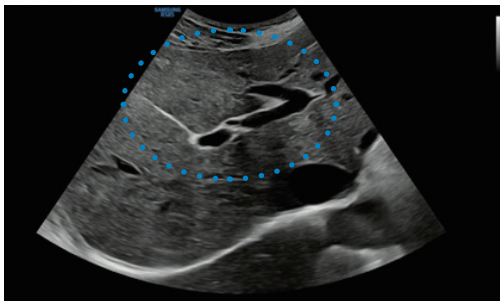
PureVision™



PureVision incorporates advanced adaptive algorithms to effectively suppress speckle artifact, sharpen tissue interfaces and enhance contrast resolution.

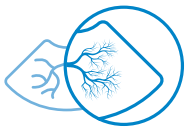


Liver without PureVision



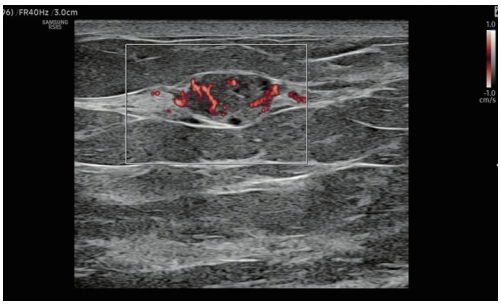
Liver with PureVision

MV-Flow™ *



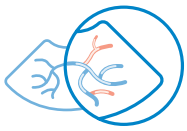
MV-Flow is advanced Doppler technology providing detailed documentation of microvascular perfusion into tissues and organs.

Kidney with MV-Flow

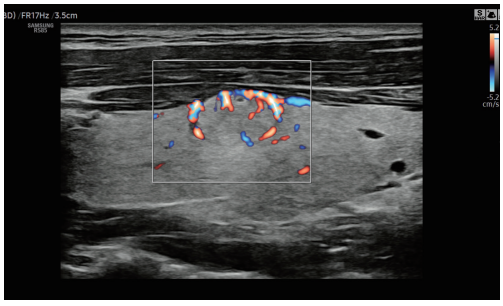


Breast with MV-Flow

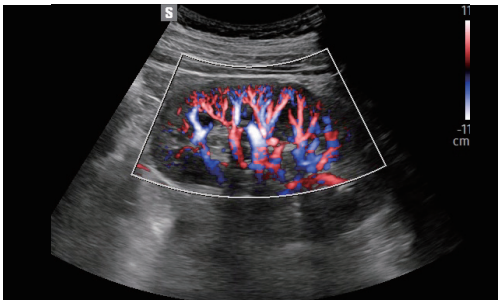
S-Flow™



S-Flow is a highly sensitive directional Power Doppler excellent for assessment of slow blood flow.



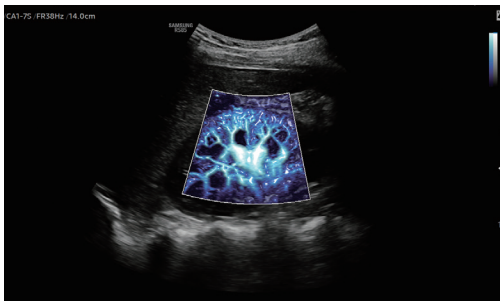
Thyroid nodule with S-Flow



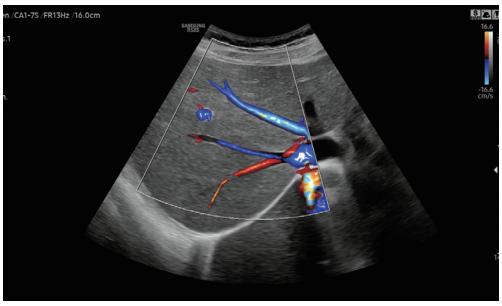
Kidney with S-Flow

LumiFlow™ *

LumiFlow displays a three-dimensional -"like" appearance to 2D color Doppler enhancing spatial comprehension of blood vessels.



Kidney (MV-Flow with LumiFlow)



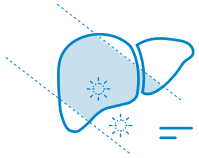
Liver (S-Flow with LumiFlow)

* Optional

Advanced Intelligence for Reliable Assessment

RS85 Prestige offers a selection of Advanced Intelligence technologies to empower ultrasound professionals for more confident and efficient assessment of anatomy and pathology.

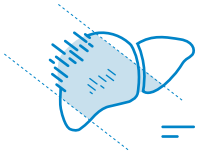
EzHRI™ *



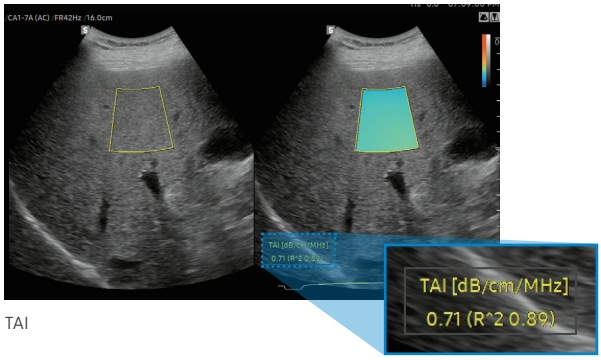
EzHRI (Hepato Renal Index) is a semi-automated process to quantify liver steatosis by comparing echogenicity of liver parenchyma to renal cortex. EzHRI positions two ROI on ultrasound image (liver and kidney) to calculate HepatoRenal Index.

EzHRI

TAI™ *

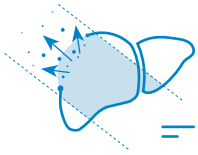


TAI (Tissue Attenuation Imaging) provides quantitative tissue attenuation measurement to assess steatotic liver changes.

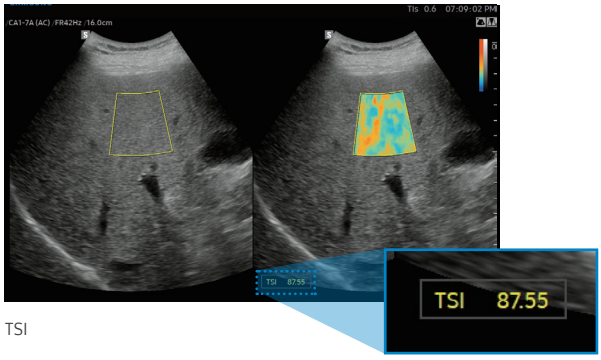


TAI

TSI™ *



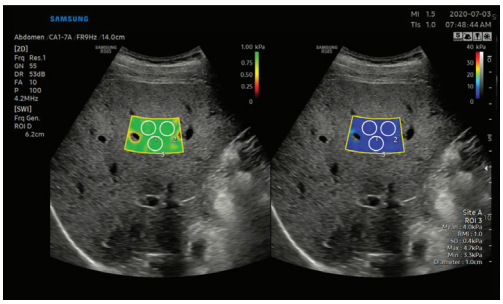
TSI (Tissue Scatter Distribution Imaging) provides quantitative tissue scatter distribution measurement to assess steatotic liver changes.



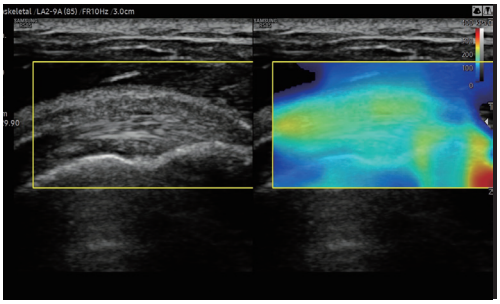
TSI

S-Shearwave Imaging™ *

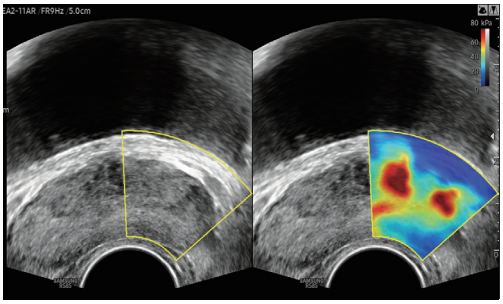
S-Shearwave Imaging allows for the non-invasive assessment of the stiffness for tissue/lesions in various applications such as breast, liver, MSK and prostate. Color-coded elastogram, quantitative measurements, dual or single display option, and user-selectable ROI functions are especially useful for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



Liver with S-Shearwave Imaging



Supraspinatus tendon with S-Shearwave Imaging



Prostate with S-Shearwave Imaging

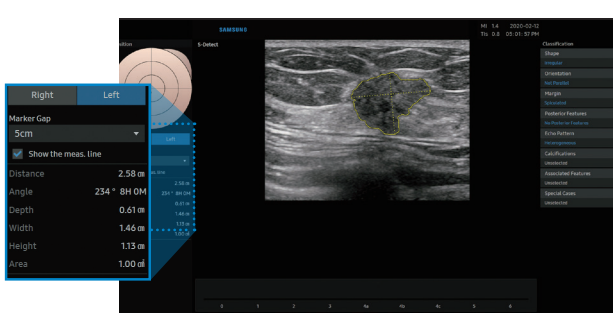
S-Detect™ *

S-Detect *for Breast*

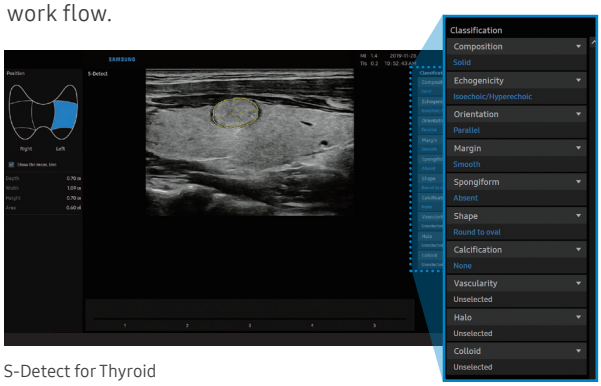
Performs detailed analysis of selected breast lesions incorporating BI-RADS ATLAS (Breast Imaging- Reporting and Data System Atlas) to provide standardized reporting for more comprehensive assessment and efficiency of breast examinations.

S-Detect *for Thyroid*

Performs detailed analysis of selected thyroid lesions incorporating ATA, BTA, EU-TIRADS and K-TIRADS guidelines to provide standardized reporting for more comprehensive assessment of thyroid examinations while helping to streamline work flow.



S-Detect for Breast



S-Detect for Thyroid

*BI-RADS ATLAS: It is a registered trademark of ACR and all rights reserved by ACR. *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

* Optional

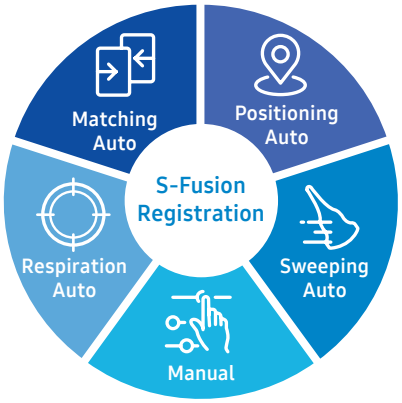
Precise and Efficient Interventional Solutions

RS85 Prestige provides a comprehensive selection of precision technologies to support ultrasound professionals when performing interventional ultrasound procedures including fusion and needle tracking guidance.

S-Fusion™ *

S-Fusion *for Liver*

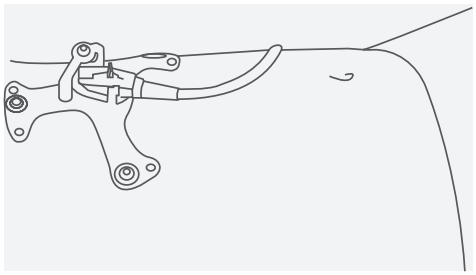
S-Fusion enables simultaneous localization of a lesion using real-time ultrasound in conjunction with other volumetric imaging modalities. Samsung's auto registration helps quickly and precisely fuse the images, increasing efficiency and reducing procedure time. S-Fusion™ enables precise targeting during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



US MR

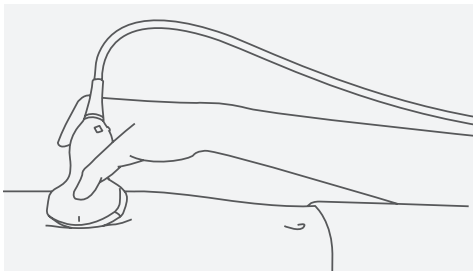
Matching Auto

Provides automated initial registration utilizing external markers attached to patient's skin prior to S-Fusion exam to help facilitate more efficient and precise clinical procedures.



Positioning Auto

Positioning Auto enhances efficiency and work flow by incorporating a one-step initial registration process to sync CT/MR and ultrasound images by simply positioning probe on designated abdomen location and activating.



CIVCO Verza™ biopsy guidance system *

Compatibility with Verza biopsy system offers a five-angle approach for improved anatomical access while also featuring an expanded gauge range.

S-Tracking *

S-Tracking increases accuracy during interventional procedures by providing a simulated needle path and target mark within the live ultrasound image.

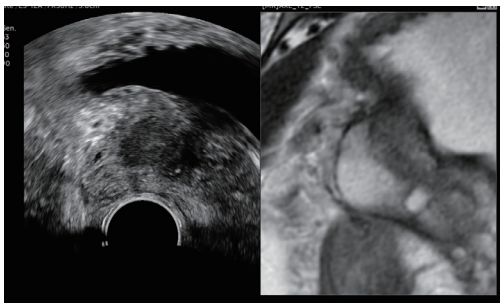
CIVCO Verza biopsy guidance system

S-Fusion *for Prostate* *

S-Fusion™ for Prostate allows precise targeting during prostate biopsies. Based on 3D models created with MR data sets, S-Fusion™ for Prostate provides biopsy guidance to help safely navigate and target the prostate.

Auto Calibration

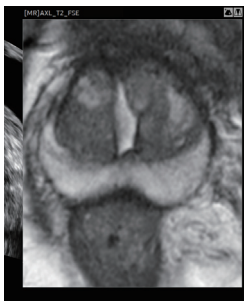
S-Fusion for prostate supports an automated real time calibration function to enhance precision between registration of modality fusion images.



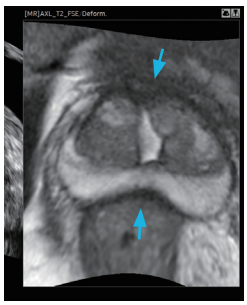
Auto Calibration

Deformation Correlation

Improves registration accuracy of MR images by correcting for possible deformation of prostate shape due to compression of transducer during imaging procedure.



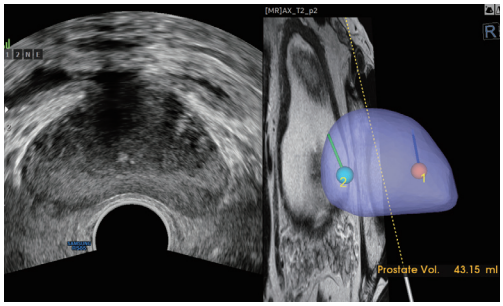
Original MR data



Deformation Correction

3D Modeling

S-Fusion provides more confident navigation and precise targeting during prostate biopsies based on 3D models created from MR data sets.

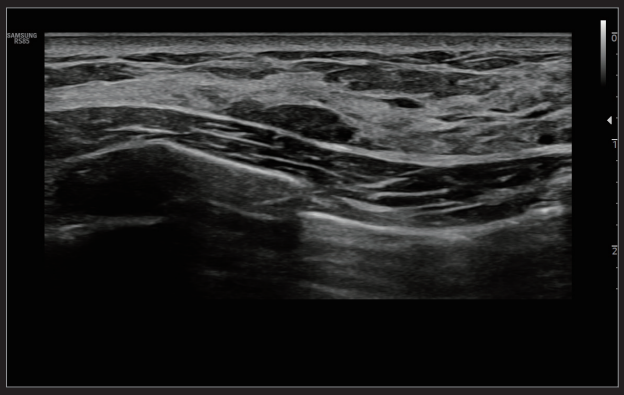


3D Modeling

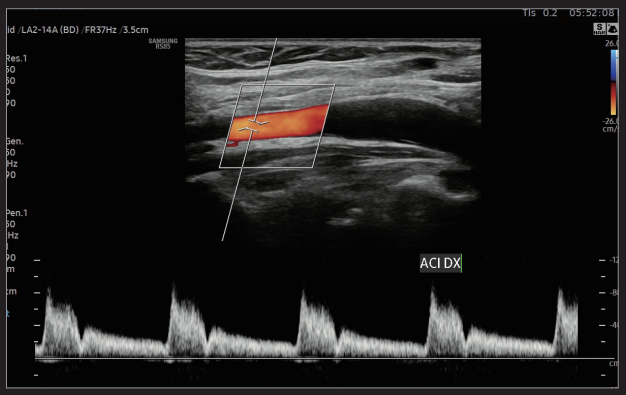
* Optional

Image Gallery

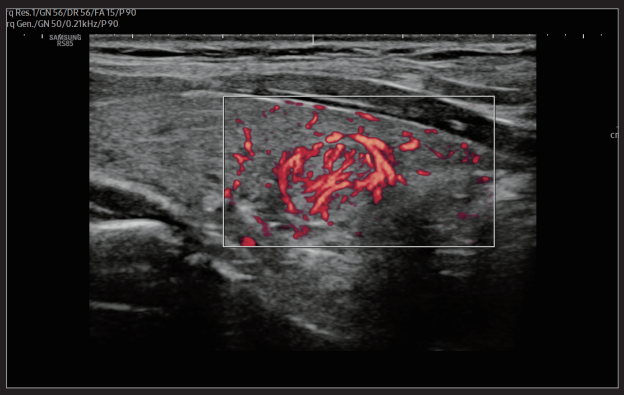
Liver with S-Harmonic™ (CA1-7A)



Breast with S-Harmonic™ (LA2-14A)

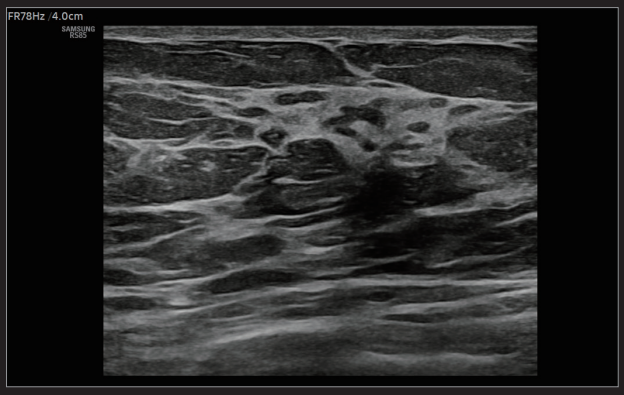


CCA with PW (LA2-14A)

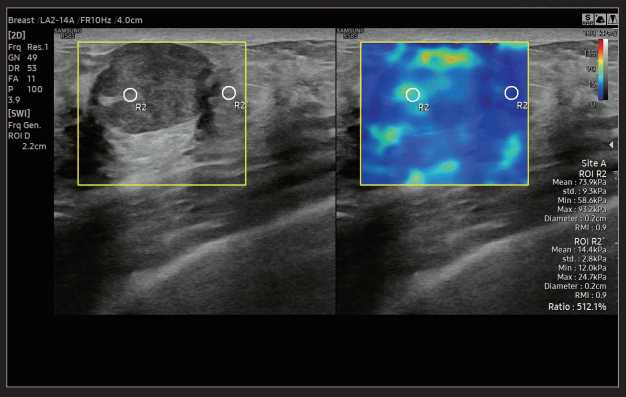


Thyroid with MV-Flow™ (LA2-14A)

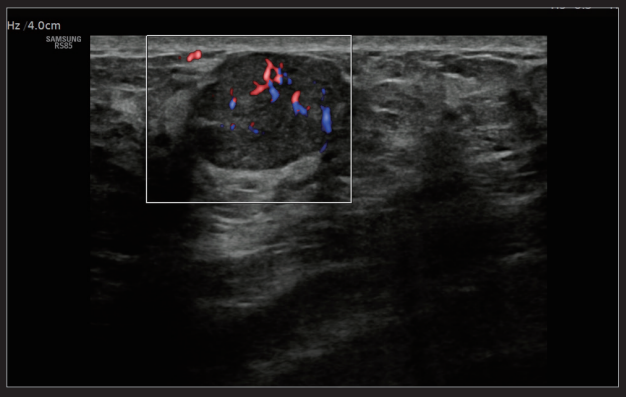
Shoulder with S-Harmonic™ (LA2-14A)



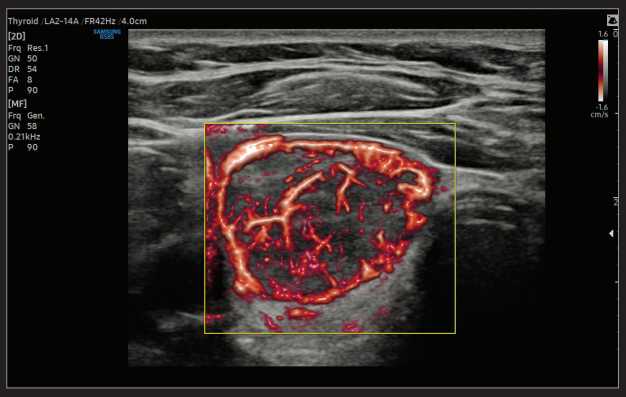
Breast (LA2-14A)



Breast with S-Shearwave Imaging™ (LA2-14A)

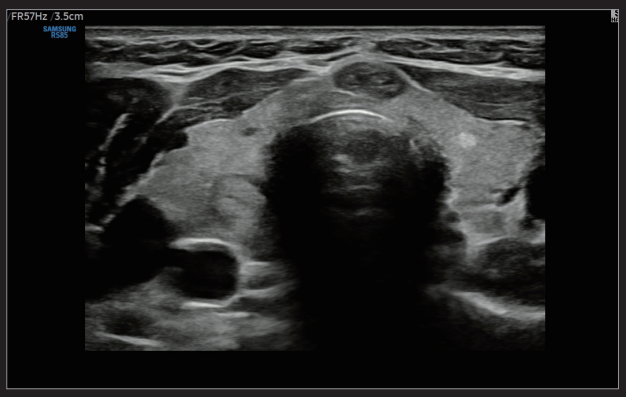


Breast color (LA2-14A)

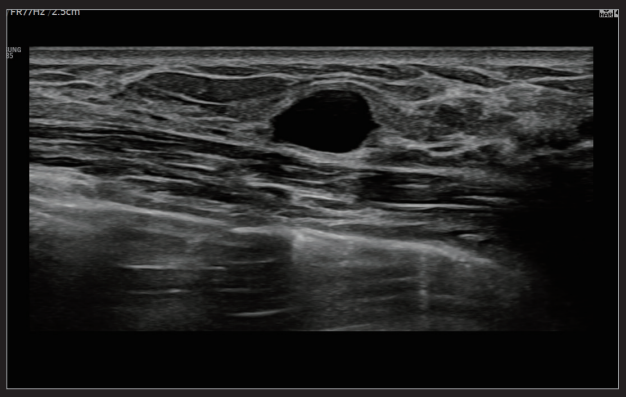


Thyroid Nodule with MV-Flow™ (LA2-14)

31 week Fetus Conus Medullaris (spine)



Thyroid with S-Harmonic™ (LA2-14A)



Breast with S-Harmonic™ (LA2-14A)

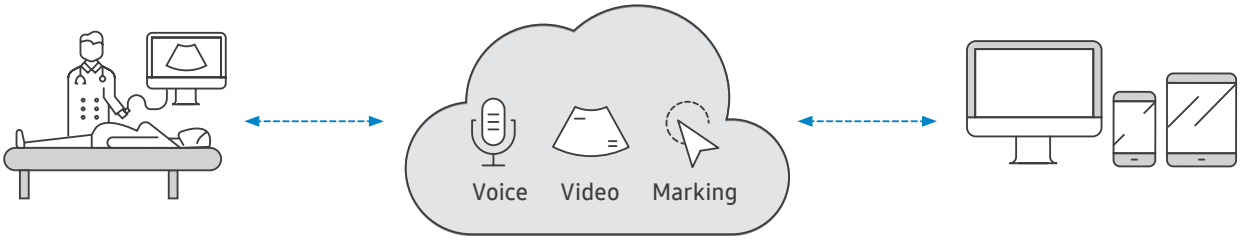
Enhance Productivity and Facilitate Workflow

Collaborative solutions and streamlined workflow using RS85 efficiently support daily procedures by reducing keystrokes and by combining multiple actions into one.

SonoSync™ *

SonoSync is a real-time image sharing solution that allows collaborative communication for care guide and training between doctors and sonographers. 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.

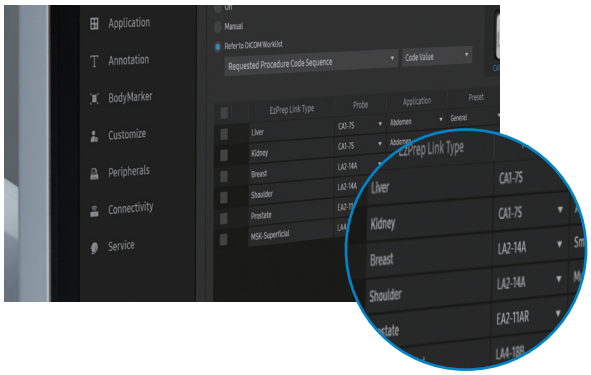
* SonoSync is an image sharing solution, not a diagnostic solution.



Ultrasound System | Network | PC/Tablet/Smart Phone

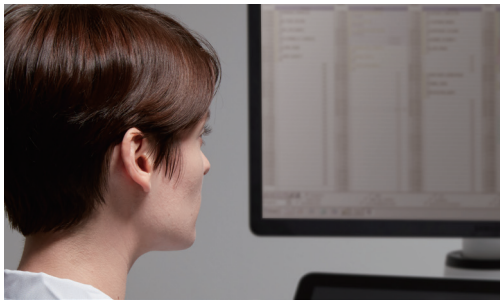
EzPrep™

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.



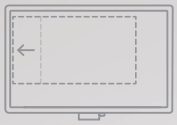
RIS Browser

RIS Browser improves workflow in hospitals by allowing access to RIS through the browser embedded in system in order to perform post functions without need to move to separate PC after scanning.



* Optional

Designed for your Convenience



WideScreen

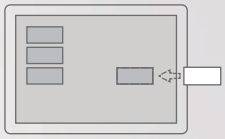
WideScreen provides approximately 23% more lateral viewing information compared to normal screen, allowing ultrasonic examination with wider view at a glance.

13.3 inch Tilting Touch Screen

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

6 way Control Panel

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



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.

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.

Covering Wide Range of Clinical Needs and Comfort

RS85 Prestige offers a comprehensive selection of transducers to meet the needs of a wide range of clinical applications. Samsung transducers provide superb image clarity and a comfortable ergonomic design to reduce the fatigue of daily scanning.

Curved Array Transducers

CA1-7A
Abdomen, obstetrics, gynecology, contrast

CA3-10A
Abdomen, obstetrics, gynecology

CA2-8A
Abdomen, obstetrics, gynecology

CF4-9
Pediatric, vascular

Linear Array Transducers

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

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

LA3-16A
Small parts, vascular, musculoskeletal

L3-12A
Small parts, vascular, musculoskeletal

LA4-18B
Small parts, vascular, musculoskeletal

LM4-15B
Small parts, vascular, musculoskeletal

LA3-16AI
Musculoskeletal

*** Ergonomic Transducer (EA2-11AR, EA2-11AV)**

The new convex transducer design with a smooth and slim grip helps users to scan with greater comfort. 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.

Volume Transducers

CV1-8A
Abdomen, obstetrics, gynecology

LV3-14A
Musculoskeletal, small parts, vascular

EV2-10A
Obstetrics, gynecology, urology

Phased Array Transducers

PA1-5A
Cardiac, TCD, abdomen

PA3-8B
Cardiac, pediatric, abdomen

PA4-12B
Cardiac, pediatric

PM1-6A
Cardiac, TCD, abdomen

Endo-cavity Transducers

EA2-11AR*
Urology, obstetrics, gynecology

EA2-11AV*
Obstetrics, gynecology, urology

CW Transducers

CW6.0
Cardiac

DP2B
Cardiac

TEE Transducer

MMPT3-7
Cardiac

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

NeuroLogica, the healthcare subsidiary of Samsung Electronics Co., Ltd., develops, manufactures, and markets innovative imaging technologies and is committed to delivering fast, easy and accurate diagnostic solutions to healthcare providers. NeuroLogica, the global corporate headquarters and manufacturer of Samsung computed tomography, is also the US headquarters for sales, marketing and distribution of all Samsung digital radiography and ultrasound systems. NeuroLogica's growing portfolio of advanced medical technologies are used worldwide in leading healthcare institutions helping providers enhance patient care, improve patient satisfaction, and increase workflow efficiency. Samsung is committed to being leaders in the field of healthcare imaging.

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 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.
* 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.
* Recommendations about whether results are benign or malignant in S-Detect™ are not applicable in the United States.
* This product is a medical device, please read the user manual carefully before use.
* Prestige is not a product name but is a marketing terminology.

To learn more please visit www.samsunghealthcare.com

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