Relentless Innovation
for your diagnostic confidence

SAMSUNG

RS85 Prestige

A Revolutionary Change in Advanced Diagnostics

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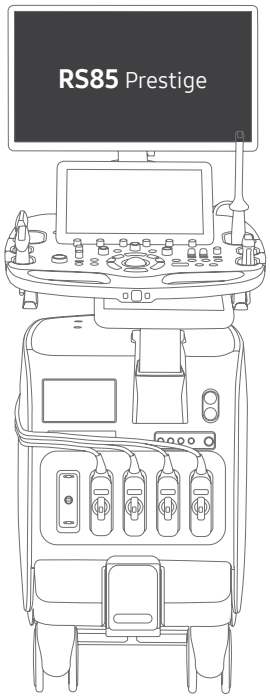
SAMSUNG is proud to introduce the RS85 Prestige ultrasound system into the premium radiology marketplace.

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

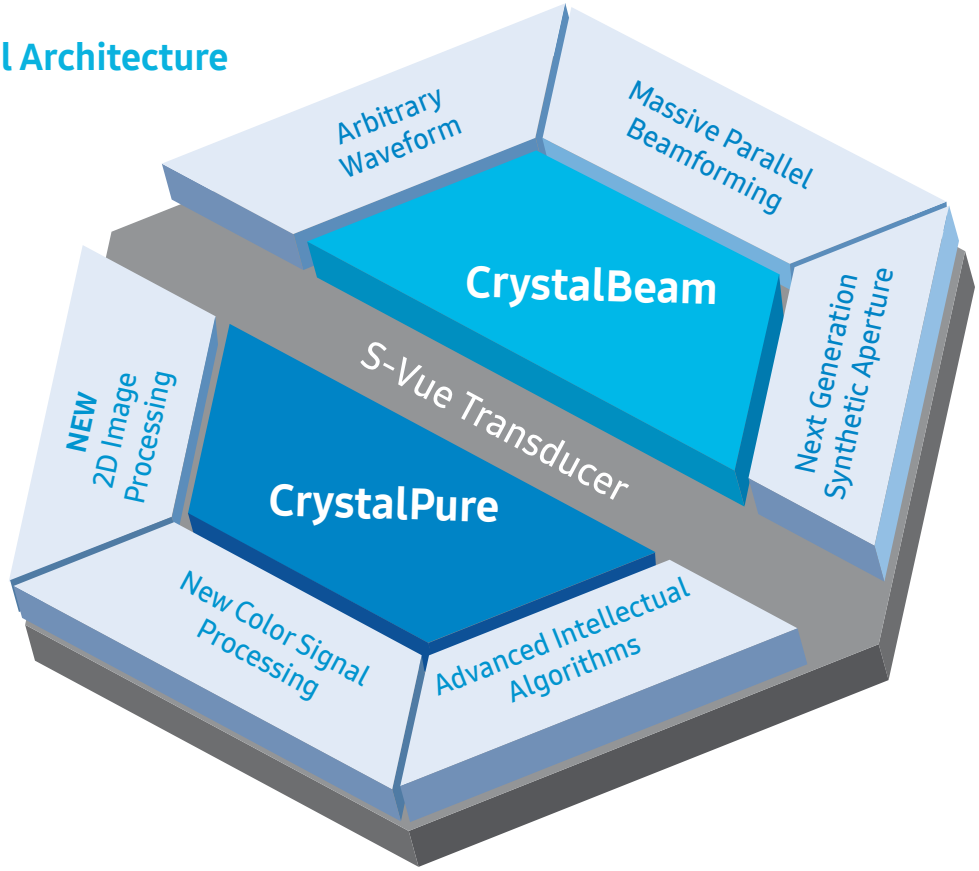


Imaging Technology Powered by Crystal Architecture™

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

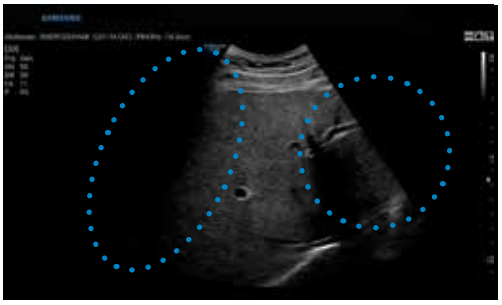


Sophisticated 2D & Color Image Processing by CrystalPure™

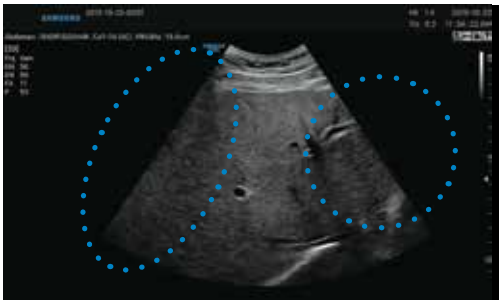
CrystalPure elevates system performance delivering superb 2D image clarity and increased color sensitivity for more confident assessment of blood flow within anatomy and pathology..

ShadowHDR™

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



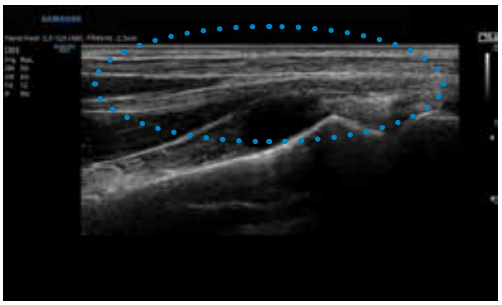
Liver without ShadowHDR



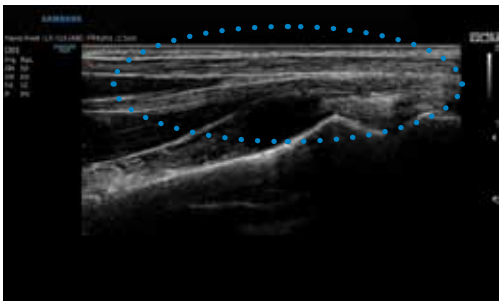
Liver with ShadowHDR

HQ-Vision™

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



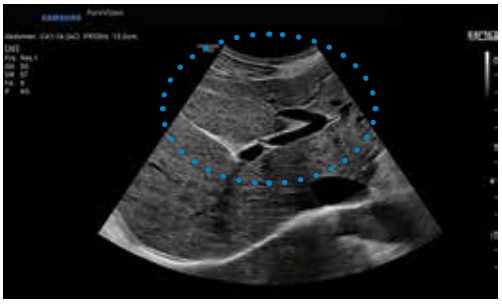
Wrist without HQ-Vision



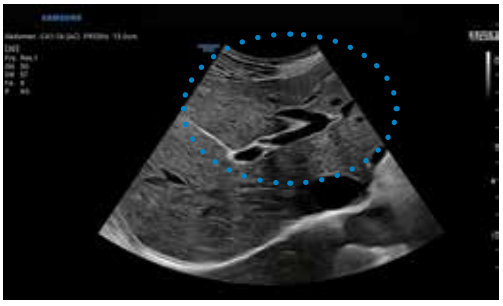
Wrist with HQ-Vision

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.

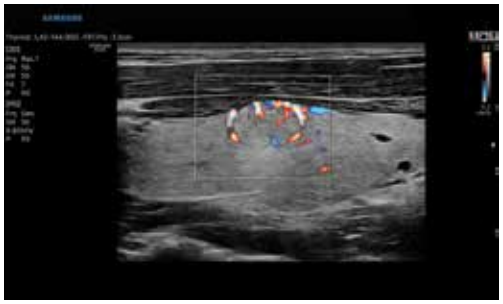
*Optional Feature

Kidney with MV-Flow

Placenta with MV-Flow

S-Flow™

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



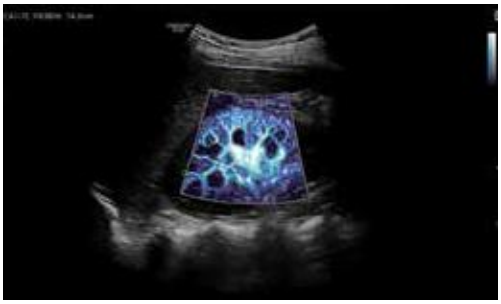
Thyroid nodule with S-Flow

Kidney with S-Flow

LumiFlow™

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

*Optional Feature



Kidney (MV-Flow with LumiFlow)

Umbilical Cord (Doppler with LumiFlow)

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.

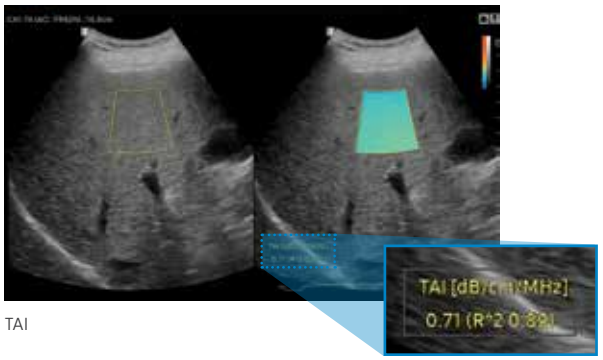
*Optional Feature

EzHRI

TAI™

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

*Optional Feature

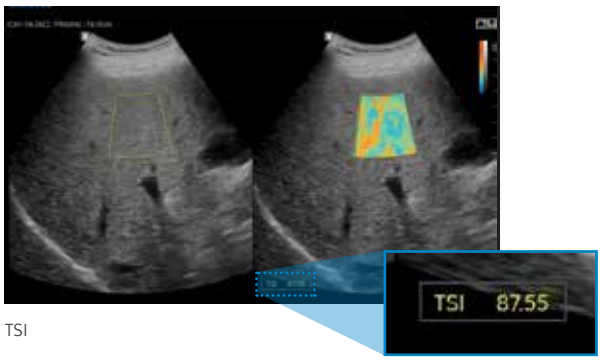


TAI

TSI™

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

*Optional Feature



TSI

Strain+

Strain+ is a quantitative tool for 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.

*Optional Feature

AutoIMT™

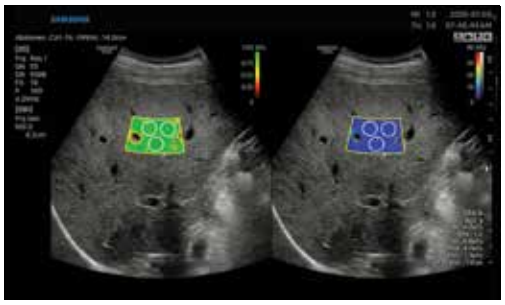
AutoIMT+ is a screening tool to analyze a patient's potential risk of cardiovascular disease. It allows easy intima-media thickness measurement of both the anterior and posterior wall of the common carotid with the click of a button.

*Optional Feature

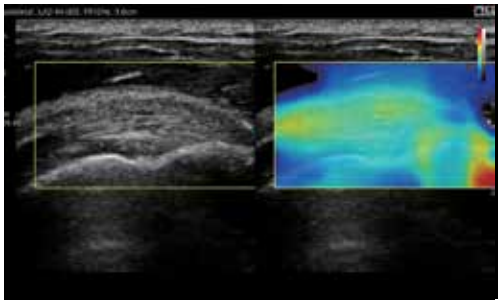
S-Shearwave Imaging™

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.

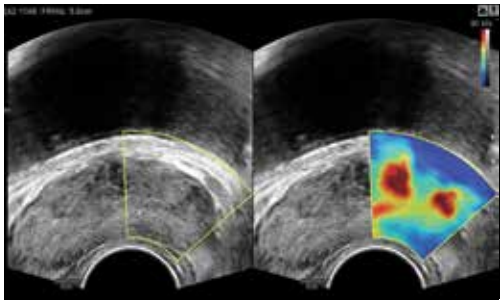
*Optional Feature



Liver with S-Shearwave Imaging



Supraspinatus tendon with S-Shearwave Imaging



Prostate with S-Shearwave Imaging

Advanced Intelligence for Reliable Assessment

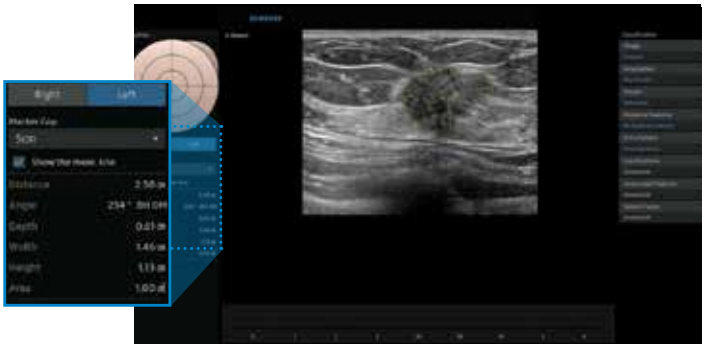
RS85 Prestige offers a selection of Advanced Intelligence technologies to empower ultrasound professionals for more confident and efficient assessment of anatomy and pathology.

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.

*Optional Feature

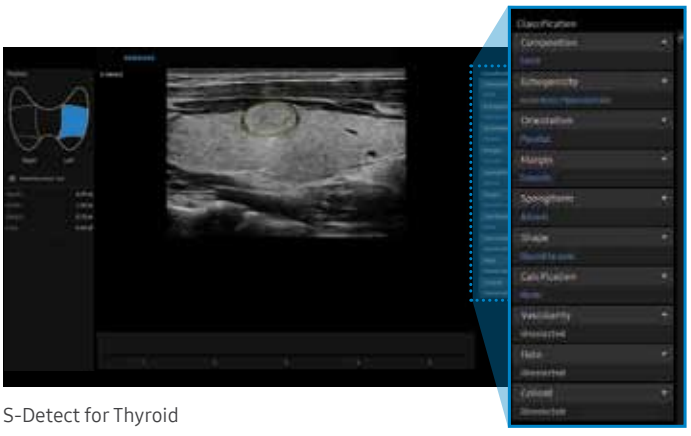


S-Detect for Breast

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.

*Optional Feature



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

Precise and Efficient Interventional Solutions

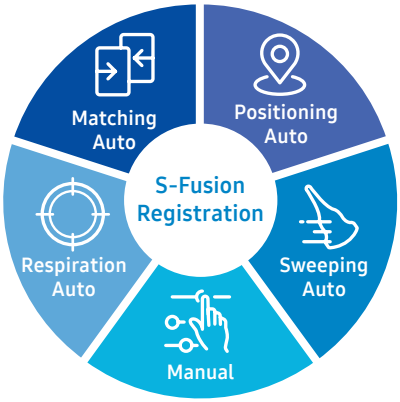
RS85 Prestige provides a comprehensive selection of precision technologies to support ultrasound professionals when performing interventional ultrasound procedures including fusion and needle tracking guidance.

S-Fusion™

S-Fusion *for Liver*

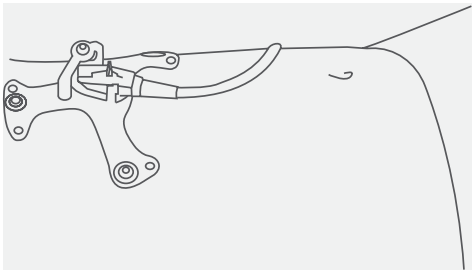
S-Fusion enables simultaneous localization of a lesion using real-time ultrasound in conjunction with other volumetric imaging modalities. Samsung's auto registration helps quickly and precisely fuse the images, increasing efficiency and reducing procedure time. S-Fusion™ enables precise targeting during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

*Optional Feature



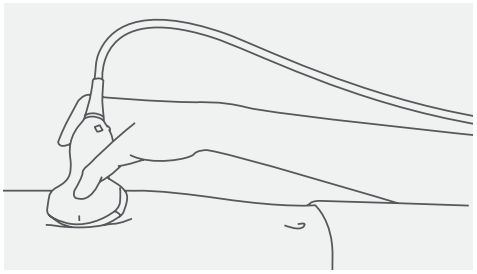
Matching Auto

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.

*Optional Feature

S-Tracking

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

*Optional Feature

CIVCO Verza biopsy guidance system

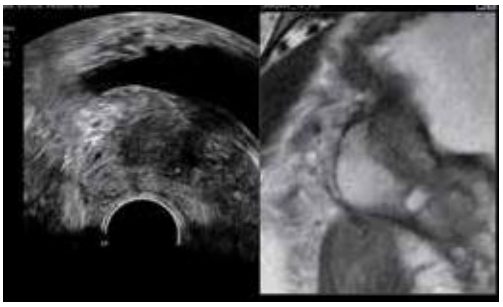
S-Fusion *for Prostate*

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.

*Optional Feature

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

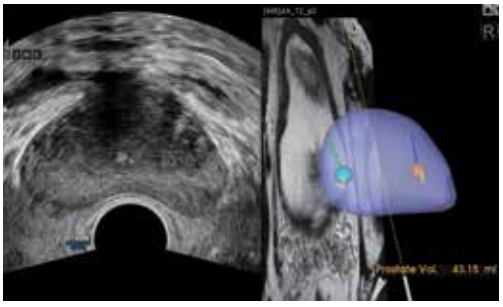
Improves registration accuracy of MR images by correcting for possible deformation of prostate shape due to compression of transducer during imaging procedure.

Original MR data

Deformation Correction

3D Modeling

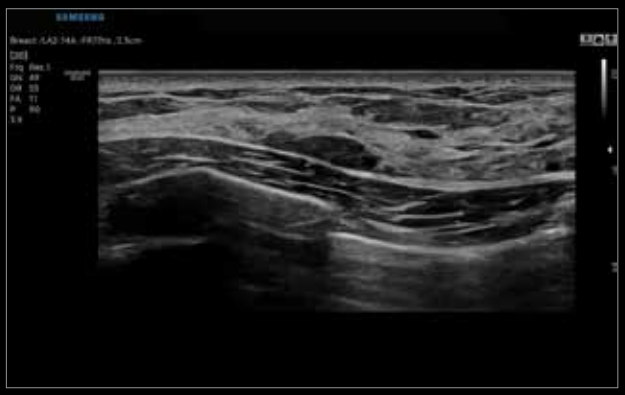
S-Fusion provides more confident navigation and precise targeting during prostate biopsies based on 3D models created from MR data sets.



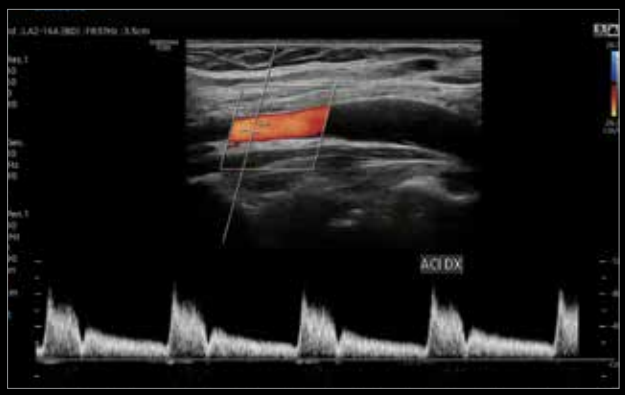
3D Modeling

Image Gallery

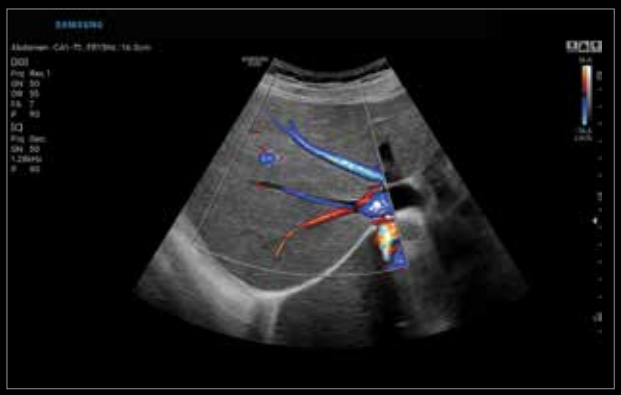
1st trimester fetal heart



Breast with S-Harmonic™

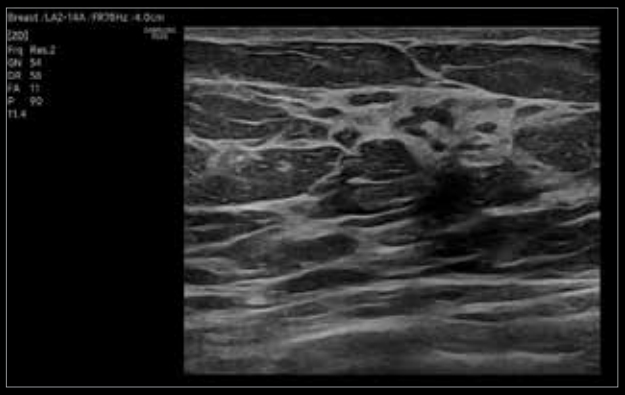


CCA with PW

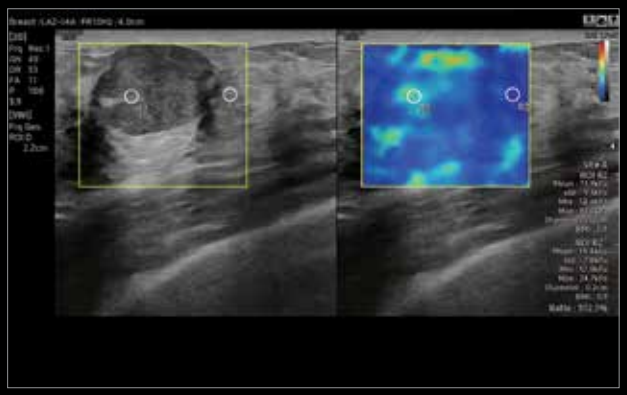


Liver with S-Flow™ and MV-Flow™

Shoulder with S-Harmonic™



Breast



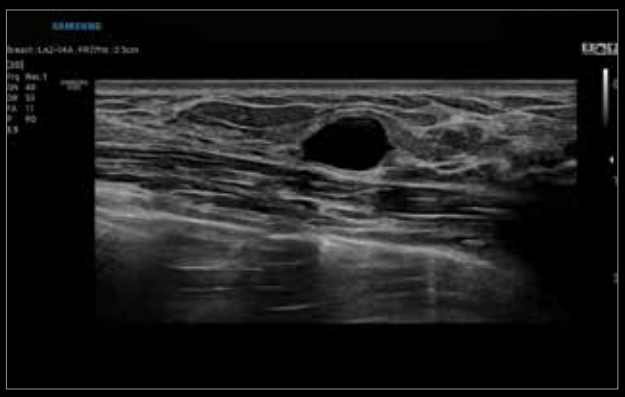
Breast with S-Shearwave Imaging™

Breast color

Thyroid Nodule with MV-Flow™

31 week Fetus Conus Medullaris (spine)

Fetal face with RealisticVue™



Breast with S-Harmonic™

Image Gallery

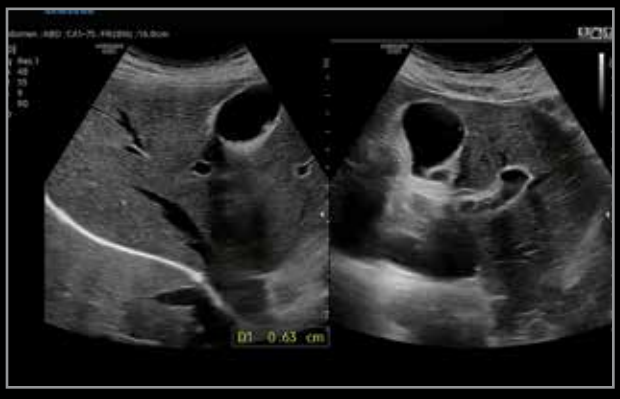
Common Carotid Artery with LumiFlow™

Jugular Vein

EzHRI™

Renal Artery

Main Portal Vein with LumiFlow™

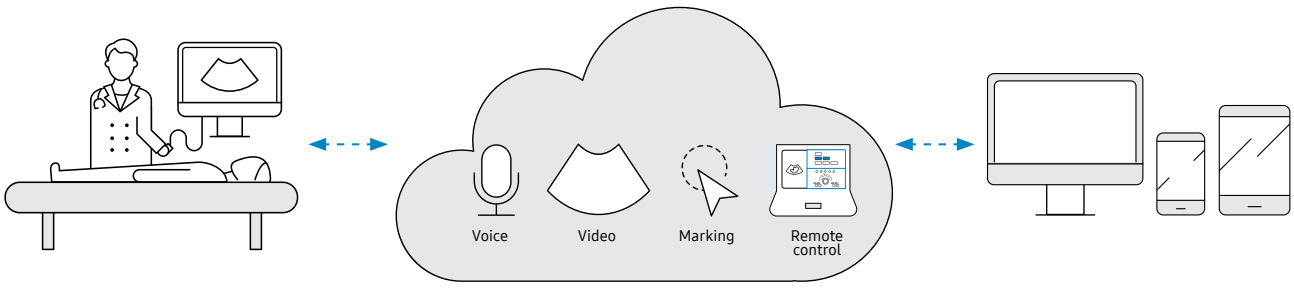


Abdomen

Work together in real-time from anywhere

What is SonoSync™?

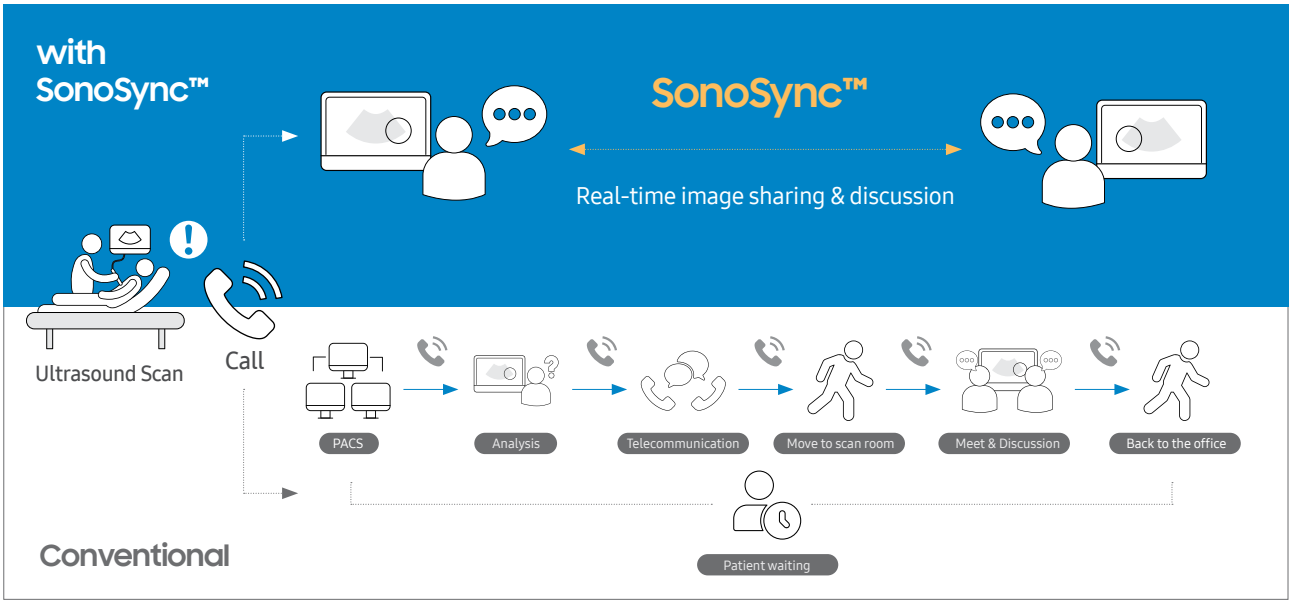
SonoSync™ is a real-time ultrasound image sharing solution that allows voice communication and remote controllability for effective collaboration between physicians and sonographers at different locations. In addition, SonoSync™ has several other elegant features like marking, invitation, still image sharing, multi-user, and multi-view. SonoSync™ brings telesonography into reality.

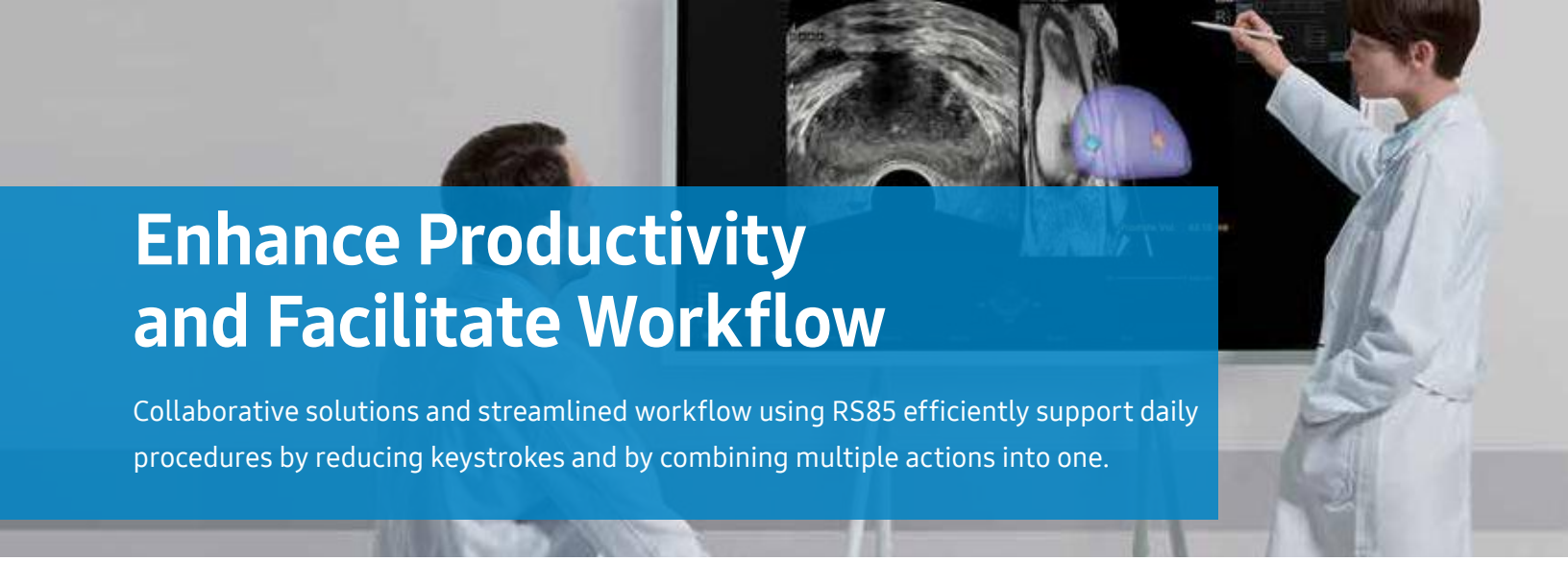


Ultrasound System | Network | PC / Tablet / Smart Phone

Replacing conventional workflow by SonoSync™

With abundant advanced technology, the conventional workflow can be simplified by using SonoSync™, utilizing hospital resources efficiently and helping the patient quickly.



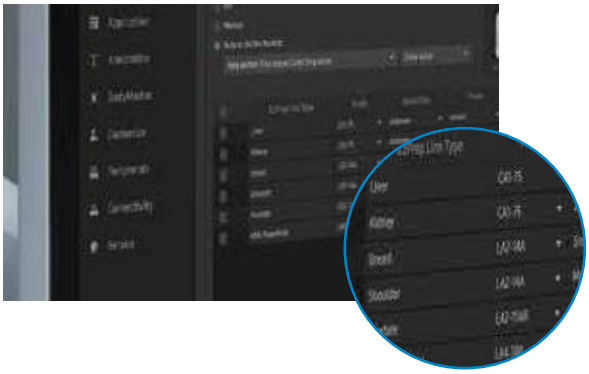


Enhance Productivity and Facilitate Workflow

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

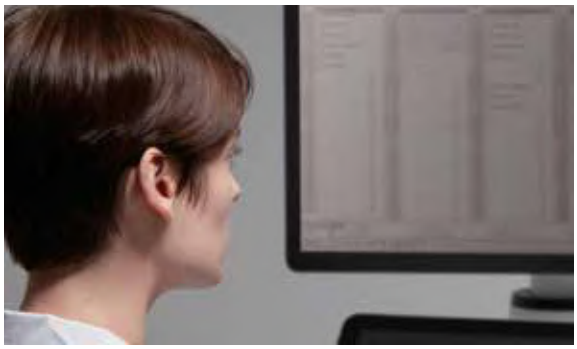
EzPrep™

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.



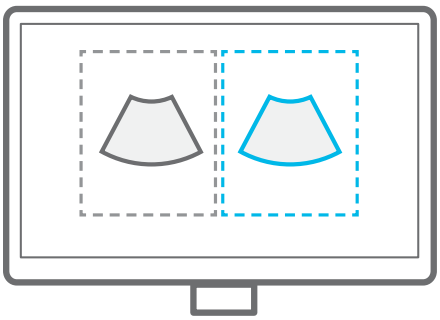
RIS Browser

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.



EzCompare™

EzCompare™ automatically matches the image settings, annotations, and bodymarkers from the prior study.



Designed for your Convenience

WideScreen

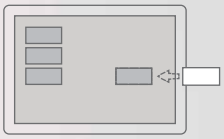
WideScreen provides approximately 23% more lateral viewing information compared to normal screen, allowing ultrasonic examination with wider view at a glance.

14 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, Gynecology, Musculoskeletal, Obstetrics, Pediatric, Vascular

CA2-8A
Abdomen, Gynecology, Obstetrics

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

CA4-10M
Pediatric, Vascular

Linear Array Transducers

LA2-14A
Abdomen, Musculoskeletal, Small Parts, Vascular

LA2-9S
Abdomen, Musculoskeletal, Small Parts, Vascular

LA4-18A
Abdomen, Musculoskeletal, Small Parts, Vascular

L3-12A
Abdomen, Musculoskeletal, Small Parts, Vascular

LA3-22AI
Intraoperative, Musculoskeletal, Pediatric, Small Parts, Vascular

Volume Transducers

CV1-8A
Abdomen, Gynecology, Obstetrics

EV2-10A
Gynecology, Obstetrics, Urology

Phased Array Transducers

PA1-5A
Abdomen, Cardiac, TCD

PA3-8B
Abdomen, Cardiac, TCD

PA4-12B
Cardiac, Pediatric

Endo-cavity Transducers

EA2-11AR*
Gynecology, Obstetrics, Urology

EA2-11AV*
Gynecology, Obstetrics, Urology

CW Transducers

CW6.0
Cardiac, Vascular

DP2B
Cardiac

TEE Transducer

MMPT3-7
Cardiac

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

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

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

Security tools (Anti-virus & Firewall)
Windows 10

Access Control

Account management
Audit log

Data Protection

Data encryption
EMR/DICOM Secure Transmission

Scan code to learn more

SAMSUNG

1-RS85-110 Rev02