SAMSUNG

RS85 Prestige
The real revolution
- Breast solution -

Product Inquiry

A revolutionary change in advanced diagnostics

Breast solution in RS85 Prestige has been revolutionized with novel diagnostic features based on the preeminent imaging performance. The advanced intellectual technologies are to help you confirm with confidence for challenging cases, while the easy-to-use system supports your effort involved in the routine scanning. Especially, Samsung ultrasound's largest 27-inch OLED monitor enhances the diagnostic confidence of healthcare professionals by providing clear and stunning image quality.

Redefined imaging technologies powered by Crystal Architecture™

Crystal Architecture™, an imaging architecture that combines CrystalBeam™ and CrystalPure™, while based upon S-Vue Transducer™, is to provide crystal clear image. CrystalBeam™ is a new beamforming technology beneficial in delivering high-quality image resolution and increased uniformity of images. CrystalPure™ is Samsung's up-to-date ultrasound imaging engine with enhanced 2D image processing, color signal processing, and advanced intellectual algorithm to offer outstanding image performance and efficient workflow during complex cases.

Massive Parallel Beamforming

Arbitrary Waveform

Synthetic Aperture

CrystalBeam™

S-Vue Transducer™

2D Image Processing

Advanced Intellectual Algorithms

CrystalPure™

New Color Signal Processing
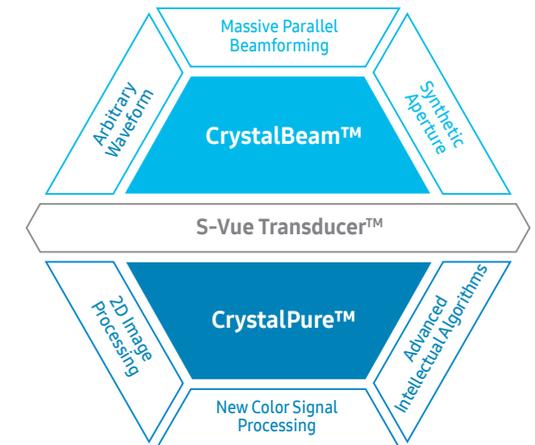
Crystal Architecture™

Fast Frame Rates
X4 Data Transfer Rate *

High-Quality Images
X4 Processing Power *

Fast Rendering
X2 GPU Memory *

Sophisticated 2D & color images processed by CrystalPure™

CrystalPure™ imaging engine help you to make more confident diagnoses with fundamental 2D images and enhanced color performance. It also lessens the incidence of clutter and boosts the level of color signal processing.

Visualization of attenuated shadow area

ShadowHDR™ selectively applies high-frequency and low-frequency of the ultrasound to identify shadowy areas such as fetal head or spine where attenuation occurs.
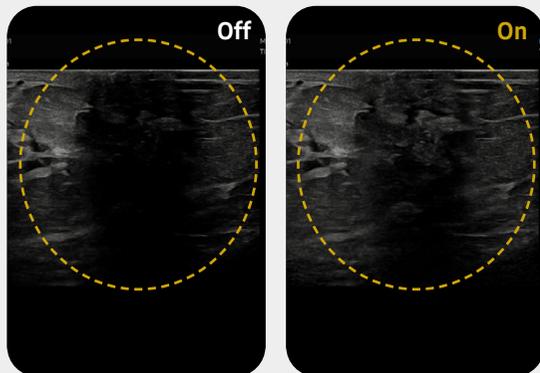
Reduce noise to improve 2D image quality

ClearVision provides clear tissue boundaries using the noise reduction filter and generates sharp 2D images.
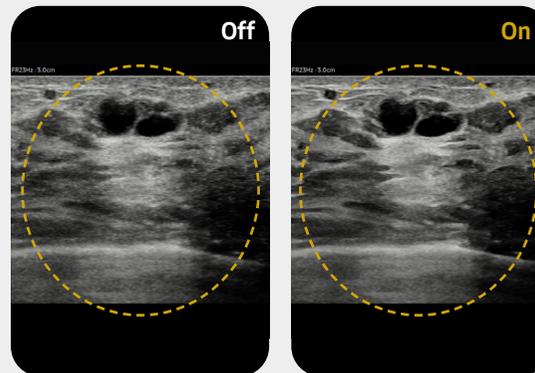
Visualization of slow flow microvascularized structures

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

Increased consistency and more valuable information

With its advanced intelligent solutions, including an extensive range of quantification functions, RS85 Prestige provides measurement consistency while reducing variability between users. Expert tools offer new perspectives and provide additional information for confident decision making.

Contrast Enhanced Ultrasound

CEUS+ [1] is a contrast agent imaging technology. The micro-bubble contrast agent injected into the body through the vein or alike is subjected to perform nonlinear resonance due to stimulation of ultrasound energy.

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.

Assess elasticity of breast lesions by using a single ROI

E-Breast™ [1] is a technology that calculates the strain ratio between the selected target and surrounding fatty tissues. Especially, it, requires only one ROI to be selected by the user. This simplified process enhances consistency and reduces the chance of error by eliminating the step of manual selection of the surrounding fatty tissue region.

Easy calculation of the strain ratio between two ROIs

E-Strain™ [1] is designed to enable quick and easy calculation of the strain ratio between two regions of interest for day-to-day practice. Simply by setting the two targets, you can receive accurate, consistent results and make informed decisions in many types of diagnostic procedures.

Display tissue stiffness in color image

A diagnostic ultrasound technique for imaging elasticity, **ElastoScan™** [1,2] observes the transformation of the tissue strain by the internal or external forces, and converts relative stiffness into a color image.
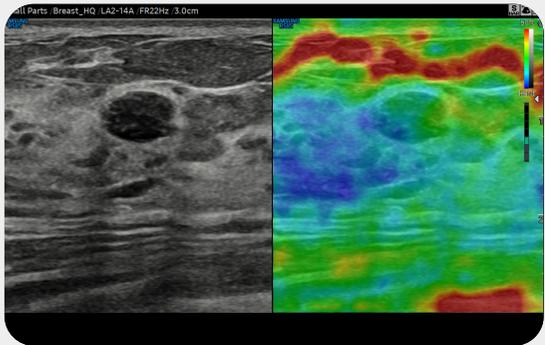
Analyze selected breast lesions and report breast assessment

S-Detect™ [1,3] **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
  It is a registered trademark of ACR and all rights reserved by ACR.

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+™.
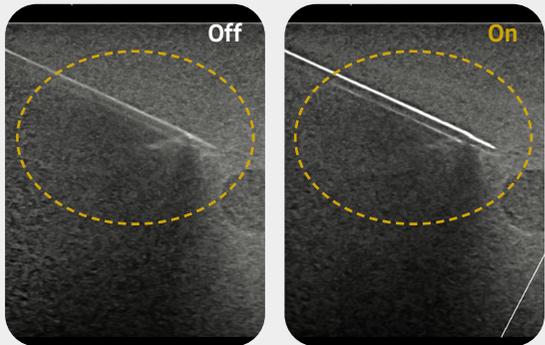
Striking images for confidence

Fibroadenoma

Simple cyst

Invasive Ductal Carcinoma

Fibroadenoma with (MV-Flow™ with LumiFlow™)

Breast with ClearVision

Invasive Ductal Carcinoma with S-Shearwave Imaging™

Simple cyst in dense breast

Septated breast cyst

Breast fibroadenoma with S-Shearwave Imaging™

Breast with Trapezoidal view

Fibroadenoma

Breast imaging with ShadowHDR™
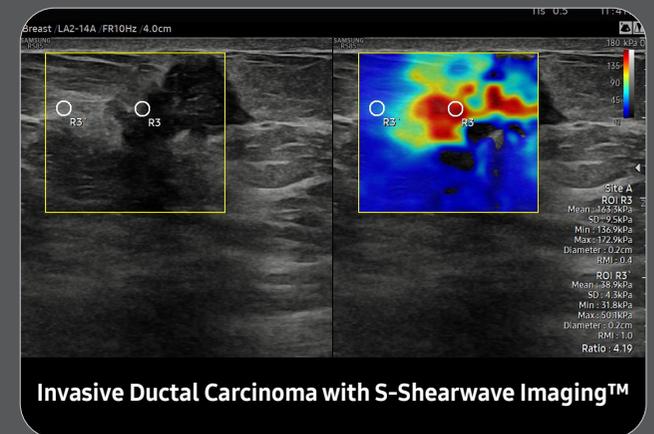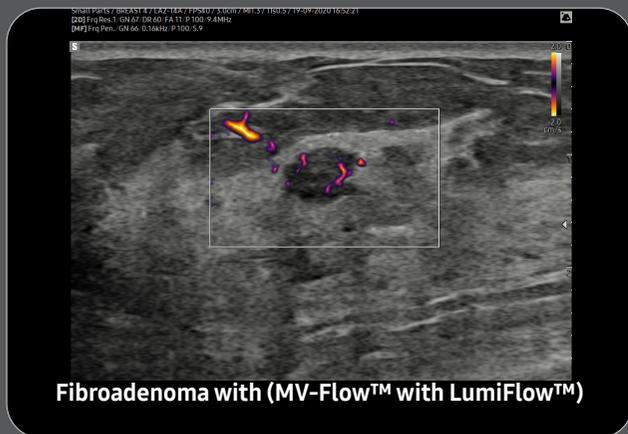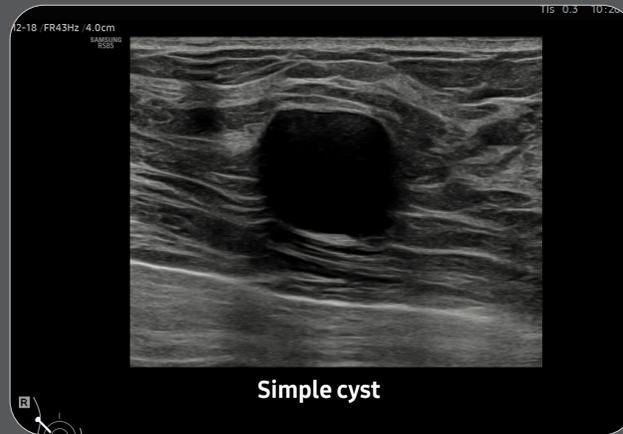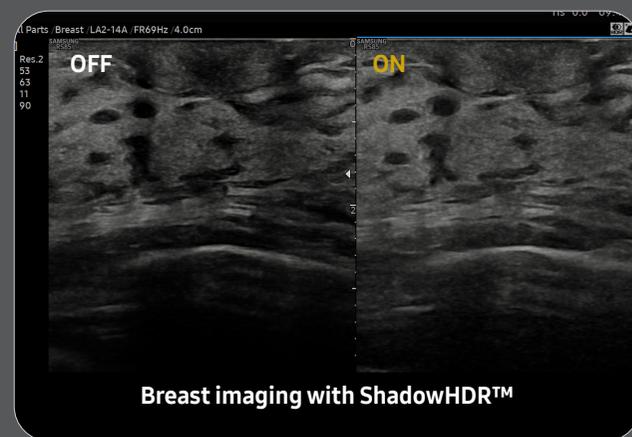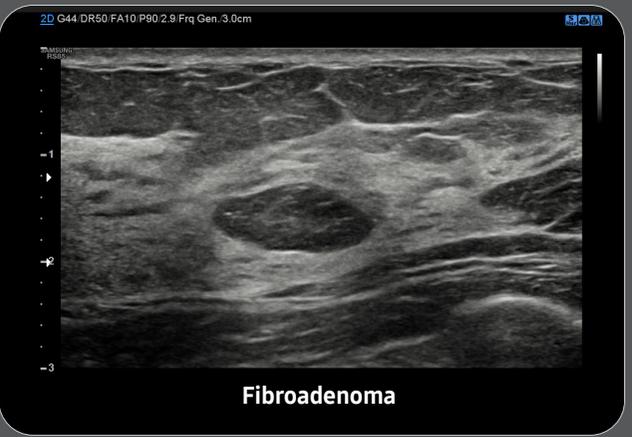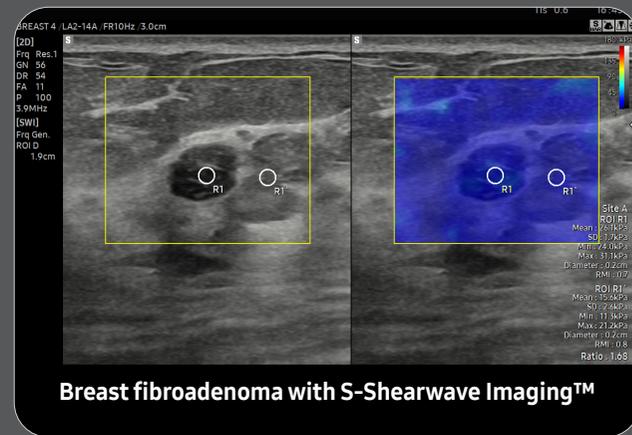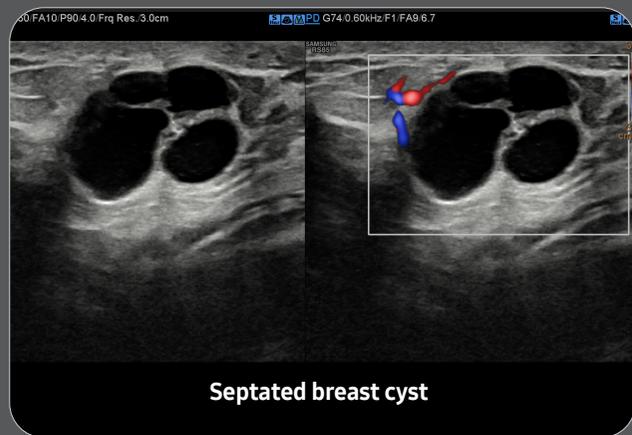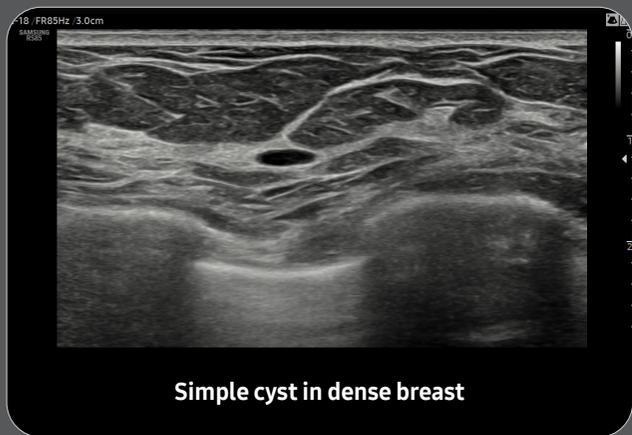
Enhanced Productivity and Facilitated Workflow

Collaborative solution and streamlined workflow of the RS85 Prestige will support your daily procedures by reducing keystrokes and by combining multiple actions into one.

Customize frequently used functions

Touch Customization allows the user to move frequently used functions to the first page, keeping the focus on the patient instead of the system.

Voice · Video · Marking · Remote control

Network

Ultrasound System — PC / Tablet / Smartphone

Real-time image sharing, discussion, and remote control of ultrasoundsystem

SonoSync™ [1, 4] 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.

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.

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.

Select transducer and preset combinations in one click

QuickPreset allows the user to select the most common transducer and preset combinations in one click.
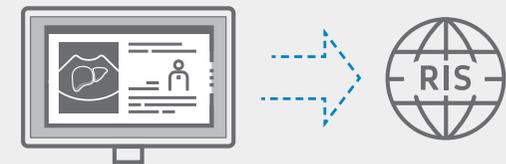
Access directly to RIS from the system

Access 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.
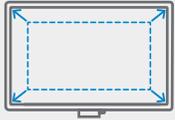
27-inch OLED monitor [1]

It is convenient to see images in various scanning environments by applying a **27-inch OLED monitor.** OLED realistically represents the black color, suitable for diverse ultrasound image characteristics with a black background.

* OLED: Organic Light Emitting Diode

WideScreen

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

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.

27 inch

14 inch

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 motions stress. When it's in off-mode, the control panel returns to the home position, allowing for easier and enhanced mobility.

Maneuverable Wheel

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

Comprehensive selection of transducers

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

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

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

LA3-16A
Small parts, vascular, musculoskeletal

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

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

* Ergonomic Transducer

These endocavity transducers have a newly designed ergonomic hand- grip and better weight distribution for comfortable scanning.

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

Intrusion prevention

Access control

Data protection

Learn more

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.
* 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.

1. Optional feature which may require additional purchase.
2. Strain value for ElastoScan+™ is not applicable in Canada and the United States.
3. In the United States, only shape and orientation items for S-Detect™ are automatically provided.
   Also the recommendations about whether results are benign or malignant in S-Detect™ are not applicable.
4. SonoSync™ is an image sharing solution.

Eco Packaging

Reusable packaging composed of eco-friendly recycled paper.
It is Samsung's commitment to achieving carbon-neutral of
the earth and environment.

Eco
Packaging

Recycled
Materials

SAMSUNG MEDISON CO., LTD.

CE 0123