V7

One for All

Product Inquiry

All the key benefits you want

The V7 offers a fascinating performance and gives you the possibility to do what you want with comprehensive tools that feature the latest innovations. Rich in features, V7's versatile system is capable of a wide range of clinical applications that allow you to explore to the fullest.

Overview video

Diagnose diverse and challenging clinical cases

The V7 comes with a variety of tools for diverse and challenging cases. Healthcare professionals can execute targeted examinations with ease, using the necessary advanced features prepared in the right place.

2D imaging

ShadowHDR™   HQ-Vision™   ClearVision

Color imaging

MV-Flow™   LumiFlow™   S-Flow™

Diagnostic features
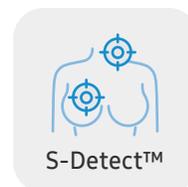
S-Shearwave Imaging™   S-Detect™   Strain+   NeedleMate+™
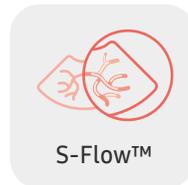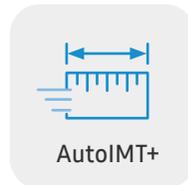
Arterial Analysis™   AutoIMT+   StressEcho   NerveTrack™

Striking images for confidence

Image gallery

Pancreas
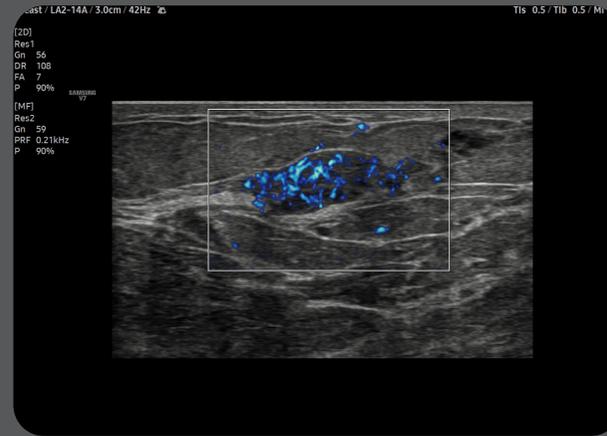
Breast nodule with MV-Flow™

Thyroid

Lipoma in superficial tissue
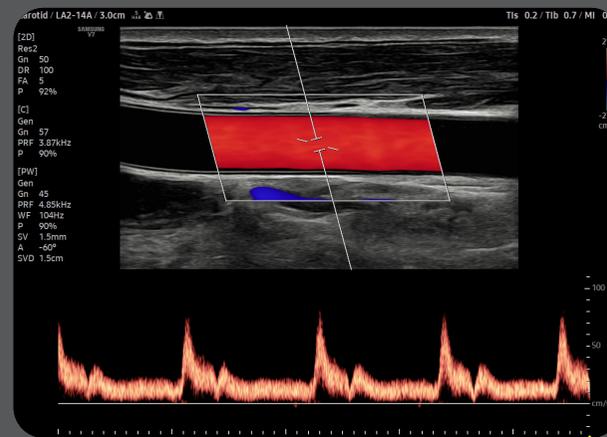
Carotid artery with triplex mode

Knee with Panoramic+

Enriched diagnostic features with accuracy and precision

The V7 system comes with advanced features that assist in precise diagnosis and increasing throughput. The V7's variety of features and user-friendly interface aid in significantly improving the healthcare professionals' daily ultrasound examination experience.

Learn more

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.

White paper
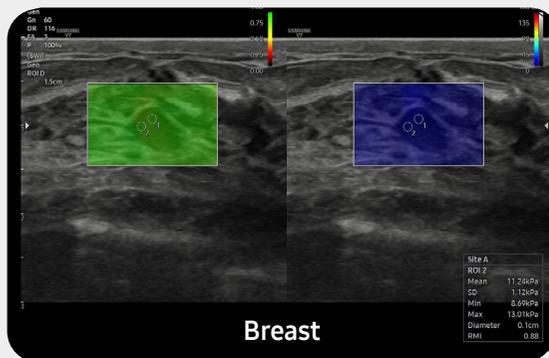
Easy visualization with E-Strain™

E-Strain™ [1] was developed to provide you with a quick and easy way to visualize changes in the relation between two regions of interest. By simply setting two target ranges, you can get accurate, reliable results, enabling you to make informed decisions for different diagnoses.
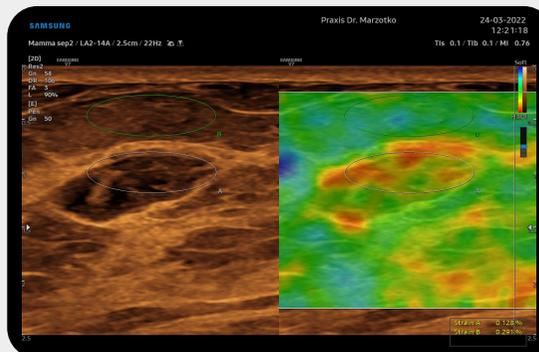
Analyze selected breast lesions and report breast assessment

S-Detect™ for Breast [1,4] 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.

White paper
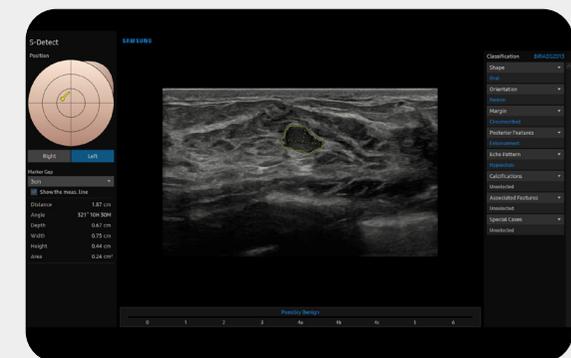
* Breast Imaging-Reporting and Data System, Atlas
  It is a registered trademark of ACR and all rights reserved by ACR.

Score and report wall motion

StressEcho [1] package includes wall motion scoring and reporting. It provides exercise StressEcho, pharmacologic StressEcho, diastolic StressEcho and programmable StressEcho.

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.

White paper

Analyze selected thyroid lesions and report thyroid assessment

S-Detect™ for Thyroid [1,4] 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

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). Three standard LV views and a Bull's Eye are displayed in a quad screen for easy assessment of the LV function.

White paper

Detect and track nerves with AI technology

NerveTrack™ [1] is a function that detects and provides information of the location of the nerve area in real-time during ultrasound scanning.

White paper

Interscalene brachial plexus

Measure IMT 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.
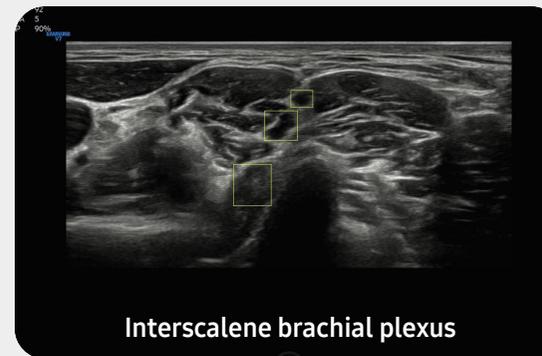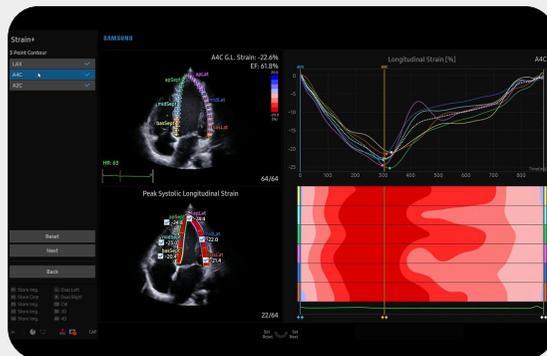
Display needle tip clearly

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+™.

Other features ElastoScan+™ [1], AutoEF [1], Panoramic+ [1]

Extraordinary image quality delivers diagnostic confidence

Gain insight into complex issues with exceptional image quality and resolution by Samsung's core imaging engine, Crystal Architecture™. The proprietary technology combines enhanced 2D image processing and detailed color signal processing to optimize and refine the image. The cutting-edge V7 will provide outstanding image clarity for a confident diagnosis.

Massive Parallel Beamforming
Dynamic Waveform
Synthetic Aperture
CrystalBeam™
S-Vue Transducer™
Coherent 2D Processing
Remastered 3D Rendering
CrystalLive™
Dynamic Color Responsiveness
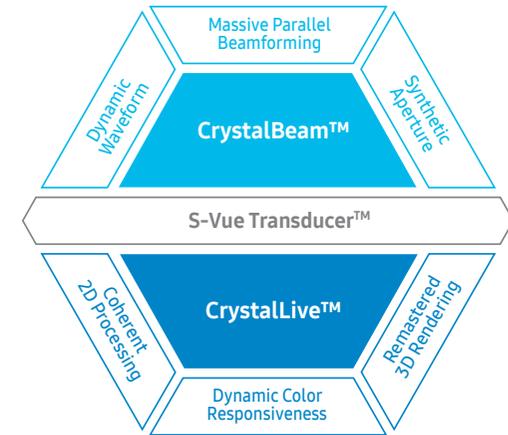
Crystal Architecture™

Enhance hidden structures in shadowed regions

ShadowHDR™ selectively applies high-frequency and low-frequency of ultrasound to identify shadow areas where attenuation occurs.

White paper

Off | On
Liver
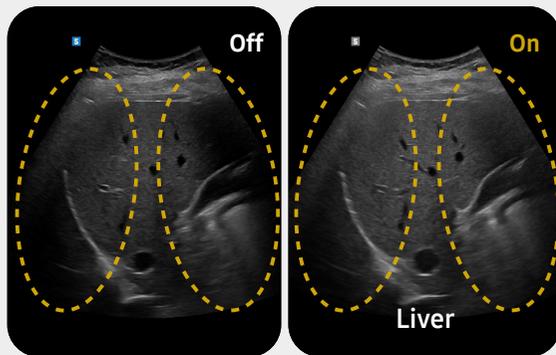
Clean up blurry areas in the image

HQ-Vision™ [1] provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.

Off | On
Finger
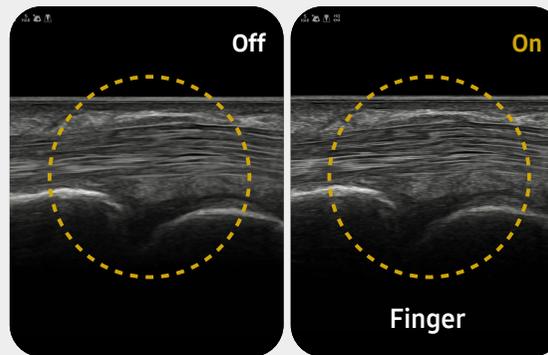
Reduce noise to improve 2D image quality

ClearVision enhances the edge contrast and creates sharp 2D images for optimal diagnostic performance.

Off | On
Liver
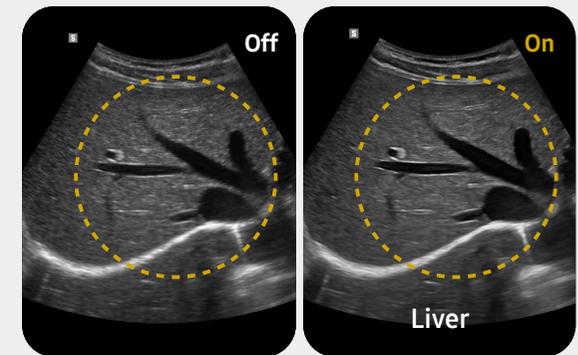
Visualize slow flow in microvascular structures

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


Liver

Show blood flow in vessels in a 3D like display

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.


Aorta

Examine peripheral vessels with directional power Doppler

S-Flow™, a directional power Doppler imaging technology, can help to detect even the peripheral blood vessels. It enables accurate diagnosis when the blood flow examination is especially difficult.

Thyroid
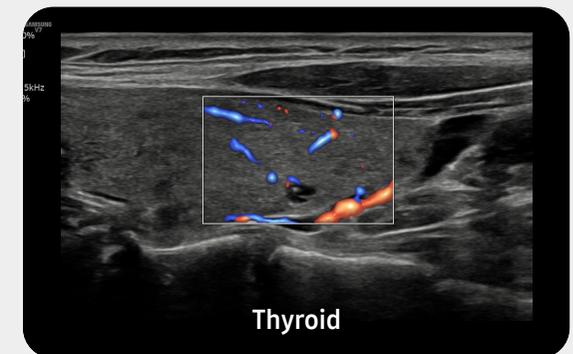
Efficient workflow re-designed for simplicity

Made to maximize efficiency, allow V7 to streamline your workflow and reduce various tasks to just a few steps or keystrokes. The user experience is enhanced through how V7 displays scan data more easily and accurately. To ensure utility, the ergonomic design makes optimal use of the user's working environment. V7 is committed to enhancing healthcare professionals' workflow by providing intuitive optimization.

Voice   Video   Marking   Remote control

Network

Ultrasound System   PC / Tablet / Smartphone
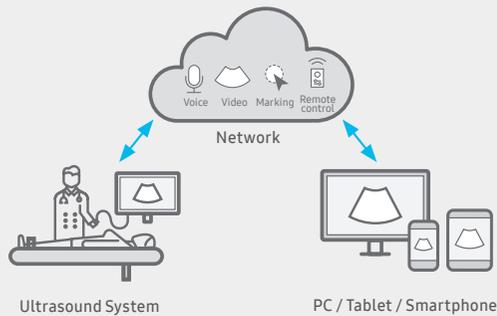
Real-time image sharing, discussion, and remote control of ultrasound system

SonoSync™ [1,5] 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

Wide screen   Large screen   Full screen
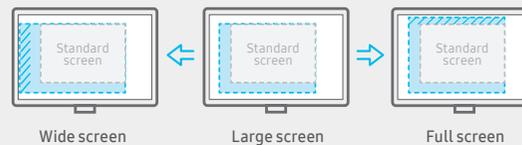
See images in expanded view

The ultrasound examination can be performed while viewing the images and cines that are expanded at various ratios according to the user preference.

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.
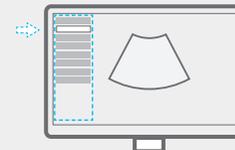
Customize frequently used functions on the touchscreen

TouchEdit, a customizable touchscreen, allows the user to move frequently used functions to the first page.

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 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.

Save image data directly to USB memory

QuickSave function allows image data to be saved directly on USB memory during the exam.

21.5 inch

14 inch

Effective cooling system

An effective airflow system cools down the ultrasound system by constantly letting heat out and reducing fan noise.

Continue working even when AC power is temporarily unavailable

BatteryAssist™ provides battery power to the system, enabling users to perform scans when AC power is temporarily unavailable. It also allows the system to be moved to another location without having to turn the power off and then back on.

Eco-friendly resin cover

Eco-friendly resin is applied to the air vent exterior cover, outlining Samsung's efforts towards a greener tomorrow.

Comprehensive selection of transducers

Curved array transducers

S-Vue Transducer™

CA1-7SD
Abdomen, Obstetrics, Gynecology, Pediatric, Musculoskeletal, Vascular, Urology, Thoracic

S-Vue Transducer™

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

CA4-10M
Abdomen, Pediatric, Vascular

Phased array transducers

S-Vue Transducer™

PA1-5A
Cardiac, Vascular, Abdomen, Pediatric, TCD, Thoracic

PA3-8B
Cardiac, Pediatric, Abdomen, Vascular, TCD

Linear array transducers

S-Vue Transducer™

LA2-14A
Small parts, Vascular, Abdomen, Pediatric, Thoracic, Musculoskeletal

LA3-22AI
Musculoskeletal, Intraoperative

Volume transducers

S-Vue Transducer™

CV1-8AD
Abdomen, Obstetrics, Gynecology, Urology

EV2-10A
Obstetrics, Gynecology, Urology

Endocavity transducers

EA2-11ARD *
Obstetrics, Gynecology,
Urology

EA2-11AVD *
Obstetrics, Gynecology,
Urology

CW transducers

DP2B
Cardiac, Vascular, TCD

CW6.0
Cardiac, Vascular

TEE transducer

MMPT3-7
Cardiac

* Ergonomic transducers
The new endocavity transducer supports natural grip by moving
the max-width point to a more forward position and also increasing
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.

Learn more

Intrusion prevention

Access control

Data protection

About Samsung Medison CO., LTD.

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.

Eco Package

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

Learn More

KOREA STAR AWARDS 2022

This award is for the contribution to the development of eco-friendly packaging in Korea. The ultrasound system V7 has won the KAPPE PRIZE of the Korea Star Awards.

SAMSUNG MEDISON CO., LTD.

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