Relentless Innovation
for your diagnostic confidence

SAMSUNG



V7 ONE

Take what you want

Product Inquiry

For General Imaging

V7 ONE

For us, this was more than just an evolution. It was about empowering your expertise and building a new level of diagnostic trust. By blending a unified workflow with intuitive technology, we created a supportive foundation so you can focus on what truly matters: your diagnosis, and your patient.

ONE Seamless Experience

One intuitive path that unites complex workflows, enabling a deeper focus on diagnosis.



Upgraded core CPU, Unified premium UI, Supports Windows 11 operating system - Complying with the latest security standards

ONE Confident Result

Turning operator variability into trusted outcomes, with AI as your partner in diagnostic confidence.



Live LiverAssist™, AbdomenAssist™, BladderAssist™, ProstateAssist™, BowelAssist™

ONE Touch to Simplify

Streamlining complex processes to a single touch, reclaiming time for patient connection.



EzStructure™, EzFlow™

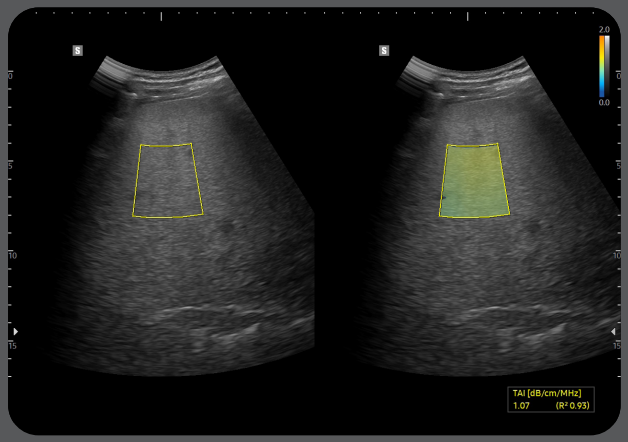
ONE Standard of Quality

Guided by a commitment to quality, our goal is a more consistent and trusted level of care.



V-Series ONE Platform

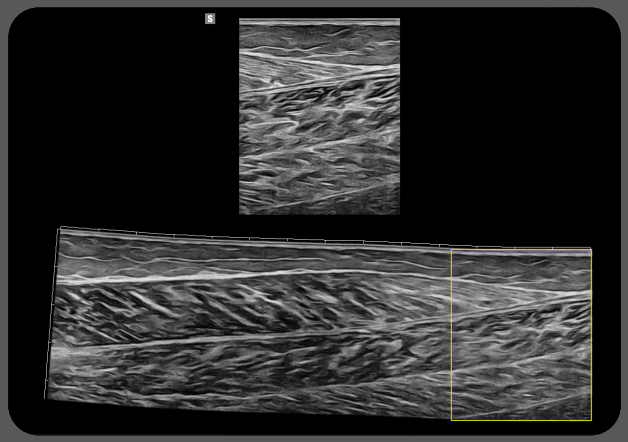
Striking images for confidence



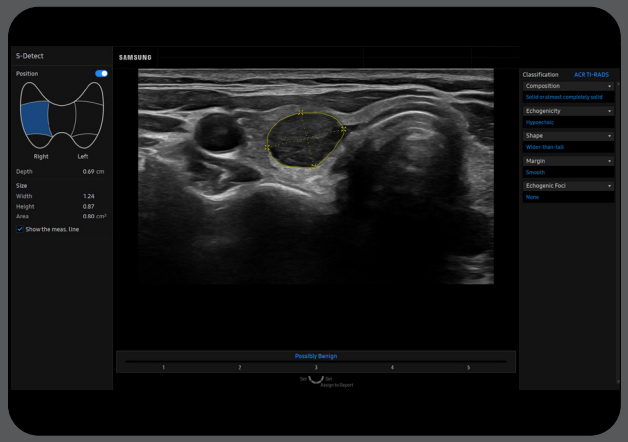
TAI™ [1] (Tissue Attenuation Imaging)



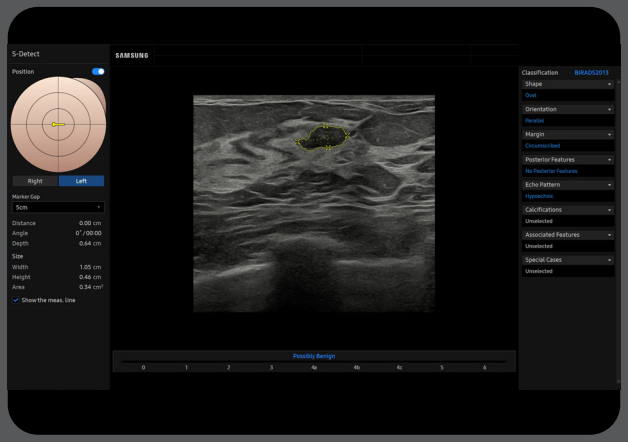
Pancreas



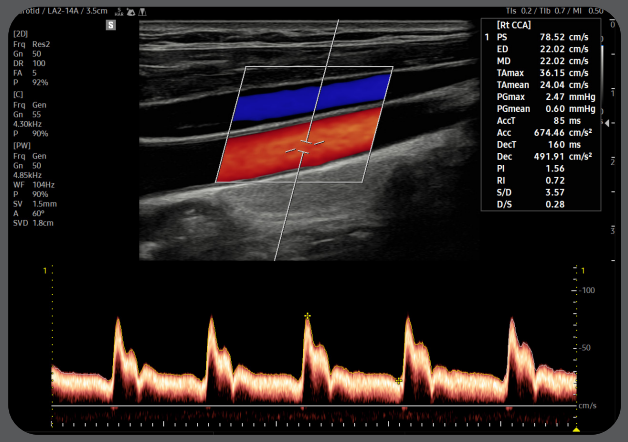
Calf with Panoramic+ [1]



S-Detect™ [1] *for Thyroid*



S-Detect™ [1] *for Breast*



Carotid artery in PW

Enriched diagnostic features with accuracy and precision

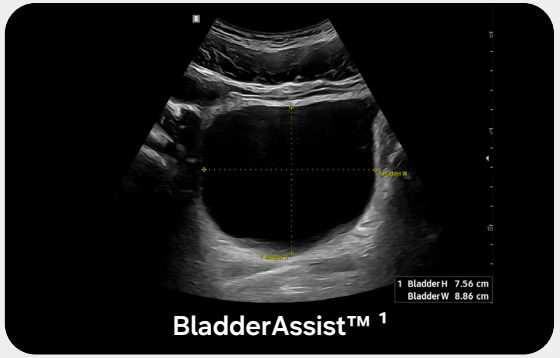
The V7 ONE system comes with advanced features that assist in precise diagnosis and increasing throughput. The V7 ONE's variety of features and user-friendly interface aid in significantly improving the healthcare professionals' daily ultrasound examination experience.

Reduced keystrokes by approximately 89% compared to manual input

NEW From recognition to result, instant AI-powered measurements

Based on Deep Learning technology, it measures the size of the interested organ, thereby reducing user variability and simplifying workflow.

* Target : Kidney, Spleen, Bladder, Prostate, Bowel



BladderAssist™ [1]

Reduced keystrokes by approximately 75% compared to manual input

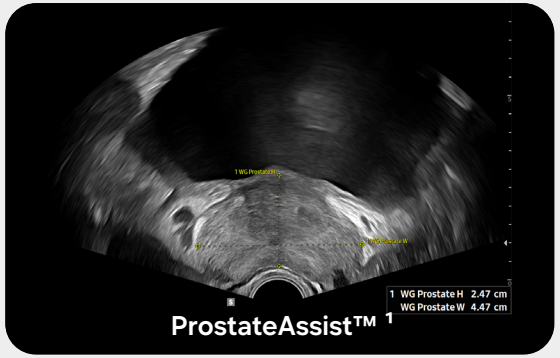


Kidney with AbdomenAssist™ [1]

Reduced keystrokes by approximately 75% compared to manual input



Spleen with AbdomenAssist™ [1]



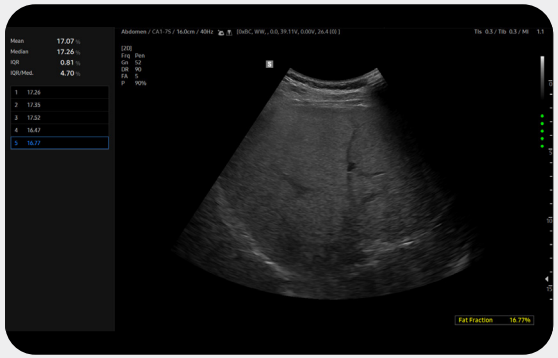
ProstateAssist™ [1]

Quantitative measurement of liver fat with minimal steps

DeepUSFF™ [1] (Ultrasound Fat Fraction), a feature based on AI technology, provides information on fat fraction ratio for liver diagnosis.

Minimal-step liver fat quantification





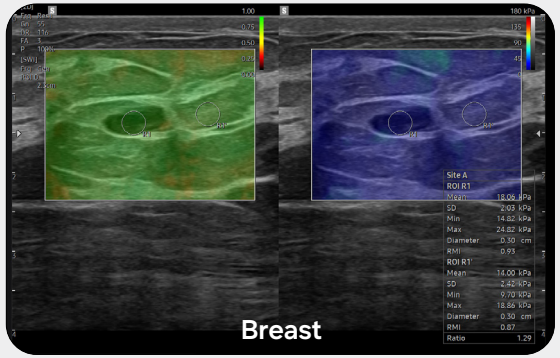
Analyze selected breast lesions and report breast assessment

S-Detect™ [1,4] *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.

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

Display and quantify tissue stiffness in a non-invasive method

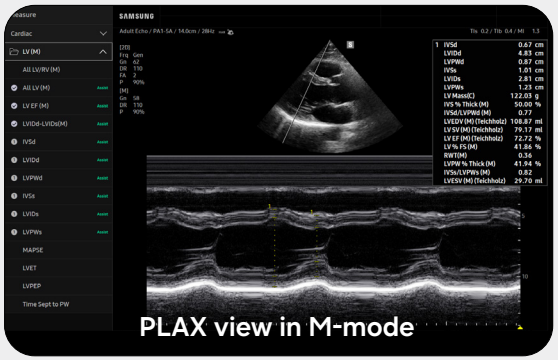
S-Shearwave Imaging™ [1] allows the non-invasive assessment of stiff tissues in various applications. The color-coded elastogram, quantitative measurements, display options, and user-selectable ROI functions are useful for accurate diagnosis.



An automated reporting tool for heart diagnosis

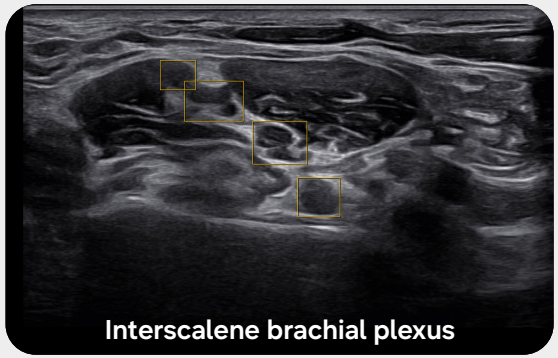
HeartAssist™ [1], a feature based on Deep Learning technology, provides automatic classification of ultrasound image into measurement views required for heart diagnosis and provides measurement results.

Reduced keystrokes by approximately 94% compared to manual input



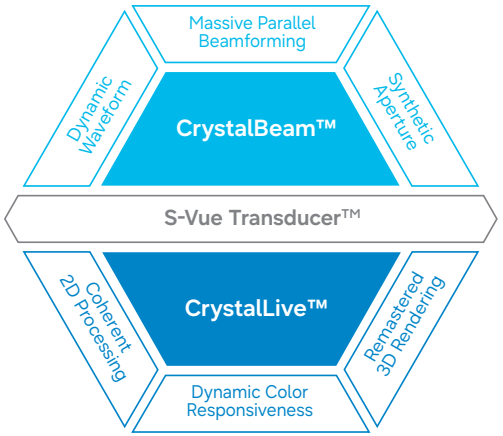
Detect and track nerves automatically with AI technology

NerveTrack™ [1], a feature based on Deep Learning technology, detects and provides information of the location of the nerve area in real-time during ultrasound scanning.



Extraordinary image quality delivers diagnostic confidence

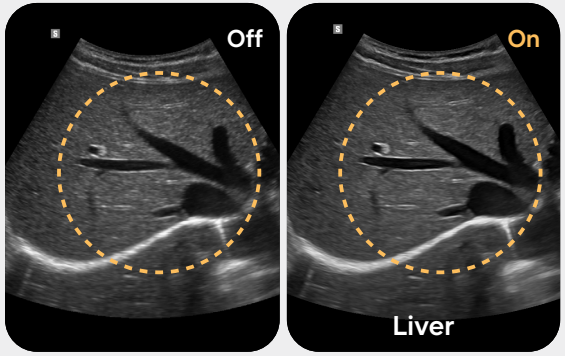
Gain insight into complex issues with exceptional image quality and resolution by Samsung's core imaging engine, Crystal Architecture™. The proprietary technology combines enhanced 2D image processing and detailed color signal processing to optimize and refine the image. The cutting-edge V7 ONE will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



Crystal Architecture™

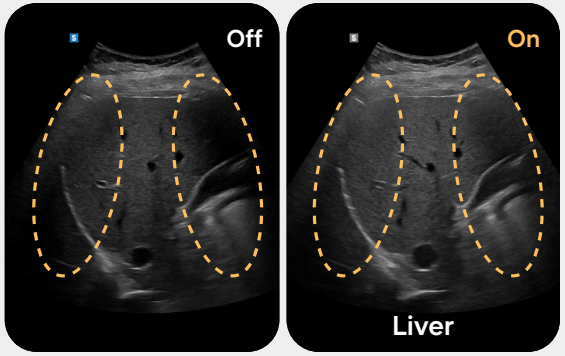
Reduce noise to improve 2D image quality

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



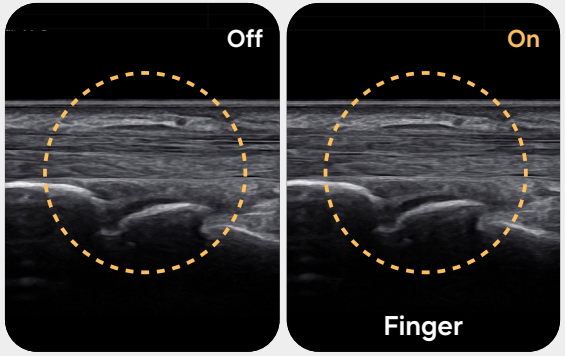
Enhance hidden structures in shadowed regions

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



Clean up blurry areas in the image

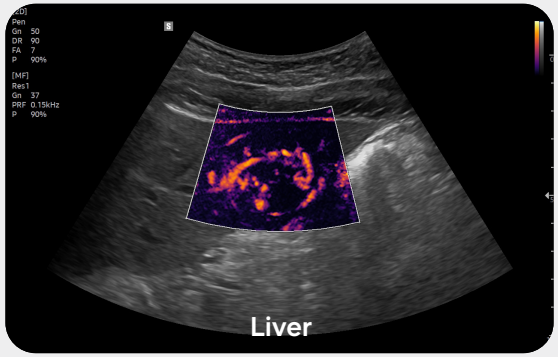
HQ-Vision™ provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.





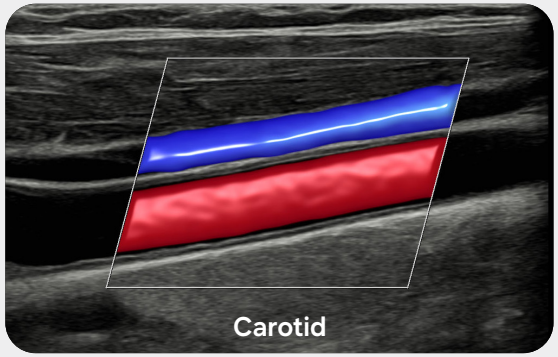
Visualize slow flow in microvascular structures

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



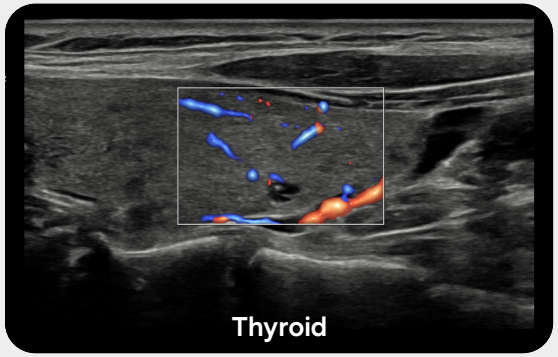
Show blood flow in vessels in a 3D like display

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.



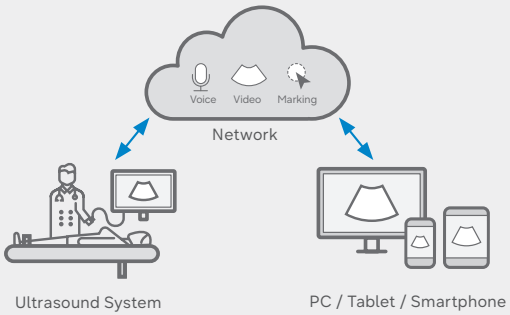
Examine peripheral vessels with directional power Doppler

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.



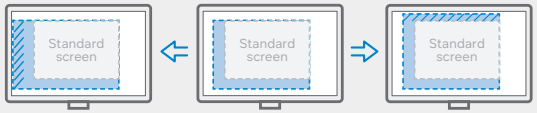
Efficient workflow re-designed for simplicity

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



Real-time image sharing, discussion, and collaboration

SonoSync™ [1, 5] is available in PC and smartphone, etc. as a real-time image share solution that allows communication for care guide and training between doctors and sonographers. In addition, voice chatting, text chatting and real-time marking functions are provided for better communication; and the MultiVue function is included that allows monitoring multiple ultrasound images on a single screen.

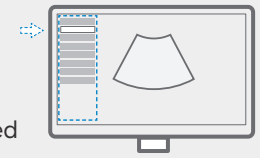


See images in expanded view

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

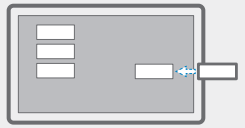
Build predefined protocols to ensure every step is followed every time

EzExam+™ enables you to build or use a predefined protocol, and assign protocols for examinations that are regularly performed in the hospital in order to reduce the number of steps that you have to go through.



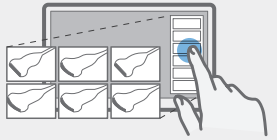
Customize frequently used functions on the touchscreen

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.



Optimize image instantly with a single touch

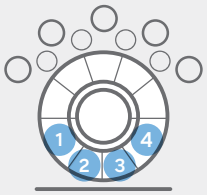
EzStructure™ [1] quickly provides optimal 2D images of the region of interest by simply clicking one button.

EzFlow™ [1] streamlines Color and PW image optimization by fine-tuning imaging parameters, with one click of a button. This enables the quick acquisition of optimal images for especially vascular structures, enhancing workflow for routine inspections.



Assign functions to the buttons near the trackball

The buttons around the trackball can be customized for easy selection of commonly used functions.



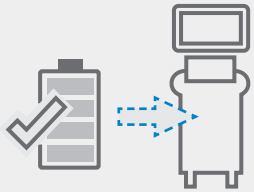
Achieve optimal image quality, instantly and automatically

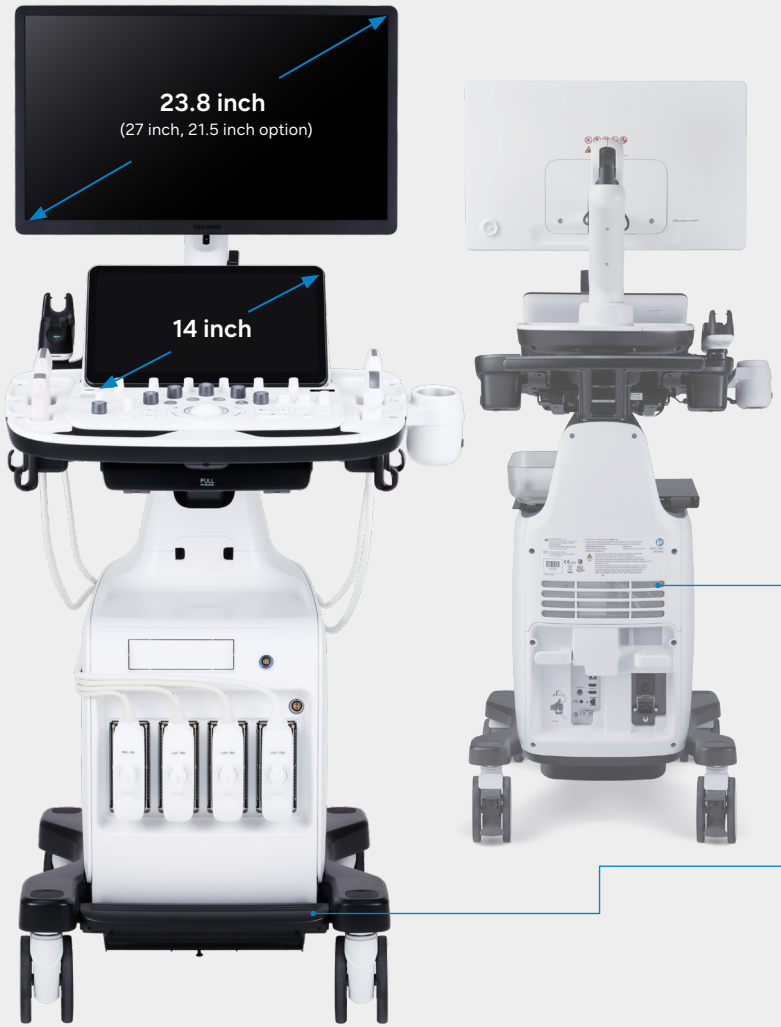
Live Q-Scan [1], during the scan, the brightness and uniformity of the B-mode image are automatically adjusted in real time to provide optimal image quality for each organ and region, helping to improve diagnosis and workflow.

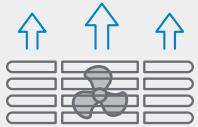


Continue working even when AC power is temporarily unavailable

BatteryAssist™ [1] 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.







Effective cooling system

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

Recycled materials

Eco-conscious resin cover is applied to the air vent exterior cover.

Comprehensive selection of transducers

Curved array transducers



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



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



CA4-10M *
Abdomen, Pediatric, Vascular



CA2-13M
Abdomen, Vascular, Pediatric, TCD

Volume transducers



CV1-8AD
Abdomen, Obstetrics, Gynecology, Urology



EV2-10A *
Obstetrics, Gynecology, Urology

Linear array transducers



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



LA4-18AD *
Abdomen, Musculoskeletal, Small parts, Vascular, Pediatric



LA2-9S *
Abdomen, Musculoskeletal, Small parts, Vascular, Pediatric



L3-22
Musculoskeletal, Small parts, Vascular, Pediatric



LA3-22AI
Musculoskeletal, Intraoperative



LA2-16S
Abdomen, Musculoskeletal, Small parts, Vascular, Pediatric

Phased array transducers



PA1-5A^{PE} *
Cardiac, Vascular, Abdomen, Pediatric, TCD, Thoracic



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



PA4-12B
Cardiac, Pediatric, Abdomen, Vascular, TCD

Endocavity transducers



EA2-11ARD *
Obstetrics, Gynecology, Urology



EA2-11AVD *
Obstetrics, Gynecology, Urology



miniER7 *
Urology, Obstetrics, Gynecology

CW transducers



DP2B
Cardiac, Vascular, TCD



CW6.0
Cardiac, Vascular, TCD

TEE transducers

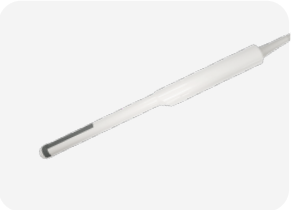


MMPT3-7
Cardiac



TA2-9
Cardiac

Bi-plane transducers



BCL2-14
Urology

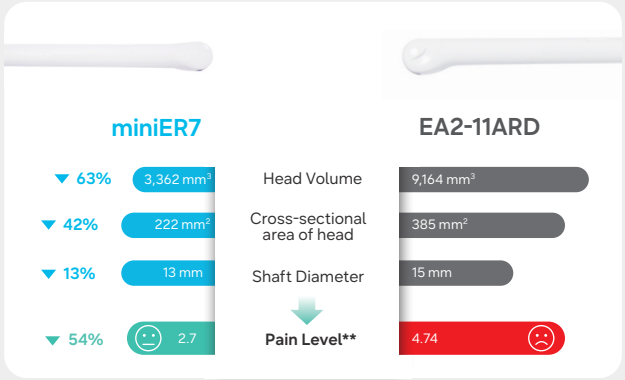


BCC2-13
Urology

Ultra Compact Prostate Ultrasound Transducer

Samsung has developed **miniER7,** an ultra-mini caliber prostate transducer with minimal head size to reduce patients pain and discomfort* when performing prostate examinations.

* Compared to Samsung's EA2-11ARD
** Based on internal exam



*** 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.

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.

* V7 ONE ultrasound system supports Windows 11 operating system.
Complying with the latest security standards.



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.

* This product, features, options, and transducers may not be commercially available in some countries.
* Sales and Shipments are effective only after the approval by the regulatory affairs.
  Please contact your local sales representative for further details.
* This product is a medical device, please read the user manual carefully before use.
* Keystroke reduction results are based on an internal study.

1. Optional feature which may require additional purchase.
2. S-Vue Transducer™ is the name of Samsung's advanced transducer technology.
3. Strain value for ElastoScan+™ is not applicable in the United States and Canada.
4. Recommendations about whether results are benign or malignant in S-Detect™ are not applicable in the United States.
5. SonoSync™ is an image sharing solution.

Eco Packaging

Eco-conscious recycled paper is included in the product packaging.



KOREA STAR AWARDS 2022

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

CT-V7 ONE V2.01-GI-JWP-260929-EN

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