Life-long Healthcare Solutions
for Women

SAMSUNG

V7 ONE

Take what you want

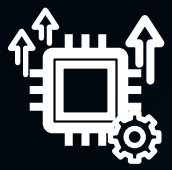
Product Inquiry

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 & OS
Unified premium UI

ONE Confident Result

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

BiometryAssist™, HeartAssist™,
UterineAssist™, PelvicAssist™

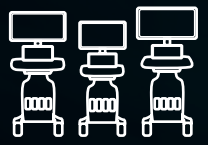
ONE Touch to Simplify

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

EzStructure™, EzFlow™
PortraitVue™, EzVolume™

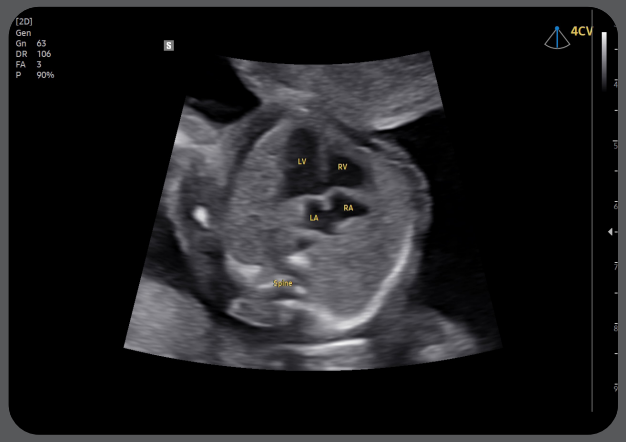
ONE Standard of Quality

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



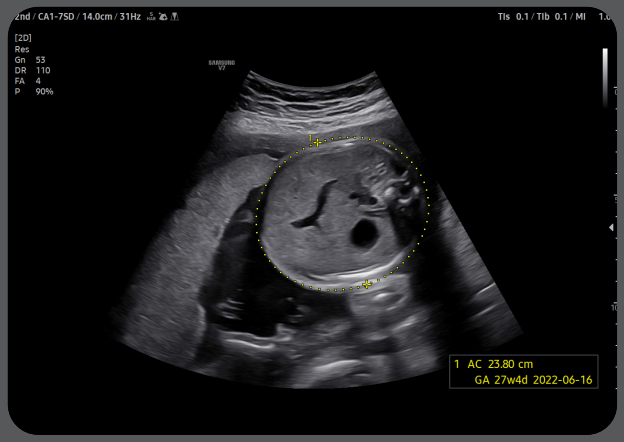
V-Series ONE Platform

Striking images for confidence



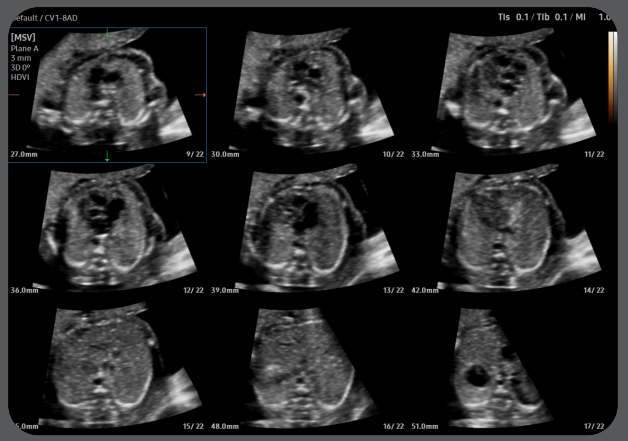
Fetal heart 4CH with ViewAssist™

First trimester NT

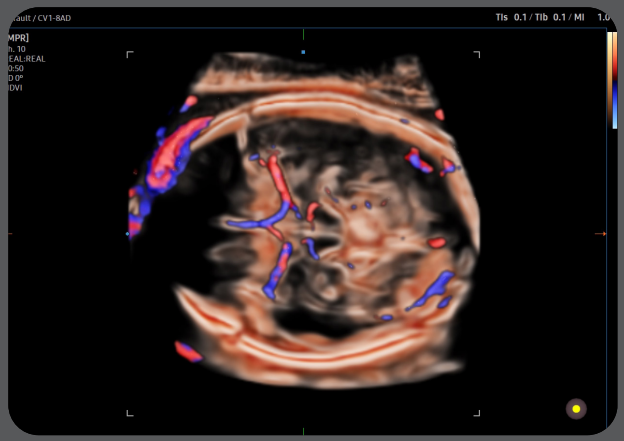


AC measurement with BiometryAssist™

RealisticVue™



Fetal heart with 3D Multi Slice View



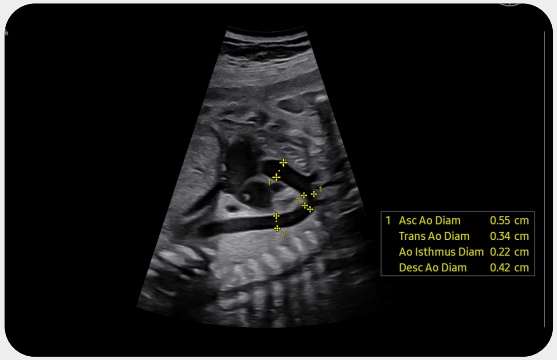
MCA with with CrystalVue Flow™

Enriched diagnostic features with accuracy and precision

The V7 ONE system comes with advanced features for women's health 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.

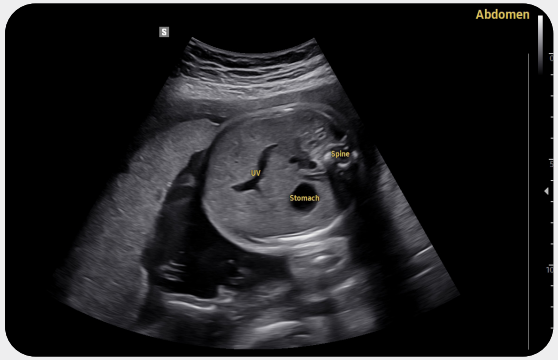
An automated reporting tool for heart diagnosis

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.



An automated classification and annotation of the images

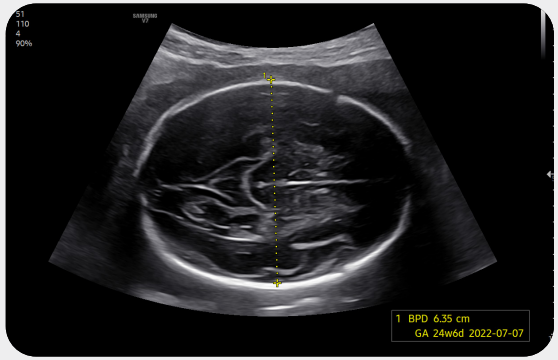
ViewAssist™ [1] a feature based on Deep Learning technology, provides automatic classification of the ultrasound images and annotation of the structures to help healthcare professionals in convenient measurement.



An automated fetal biometry measurement

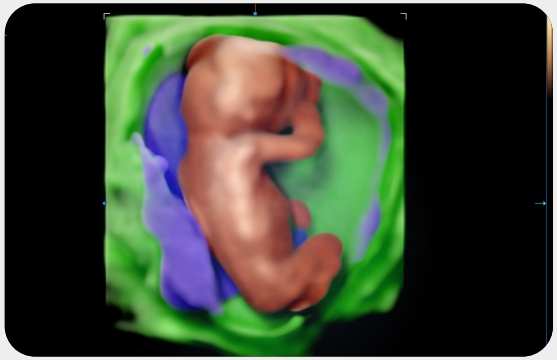
BiometryAssist™ [1], a feature based on Deep Learning technology, is an automatic technology for biometric measurement. It enables users to measure the fetal growth parameters with one click while maintaining exam consistency.

Reduced keystrokes by approximately 75% compared to manual input



NEW Automatic segmentation of the desired view, instantly

EzVolume™ [1] is a feature based on AI technology that automatically segments the structures of the fetus in the acquired 3D image and allows the user to selectively view the structures they want. In addition, the user can intuitively view the desired 3D image by changing the color of each structure and adjusting transparency.



NEW IDEA (International Deep Endometriosis Analysis)

The **IDEA** protocol is a standardized approach for the ultrasound assessment of endometriosis, providing a consensus for ultrasound examinations of various types of endometriosis. Integrating the latest IDEA protocol guidelines into Samsung equipment, helps healthcare professionals perform comprehensive ultrasound diagnoses of endometriosis without omission and improves workflow.

NEW IETA (International Endometrial Tumor Analysis)

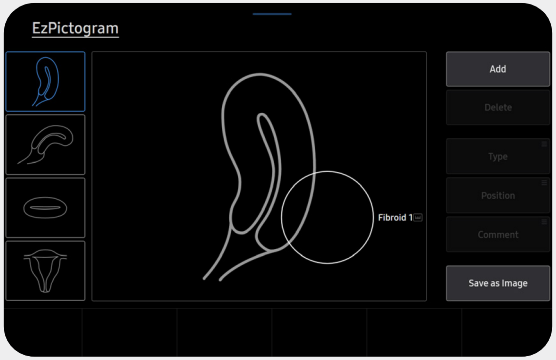
The **IETA** protocol is a standardized approach for ultrasound assessment of the endometrium and uterine cavity, providing a consensus for evaluating lesions related to endometrial neoplasia. Integrating the latest IETA protocol guidelines into Samsung equipment, helps healthcare professionals to standardize ultrasound diagnosis of endometrial lesions.

NEW Automatic analysis of pelvic floor with AI technology

PelvicAssist™ [1], a feature based on AI technology, helps identify anatomical structures and dysfunction of the Pelvic floor through structural analysis and automatic measurement, and it is provided with a streamlined workflow.

NEW Display the location of the fibroid in a pictogram

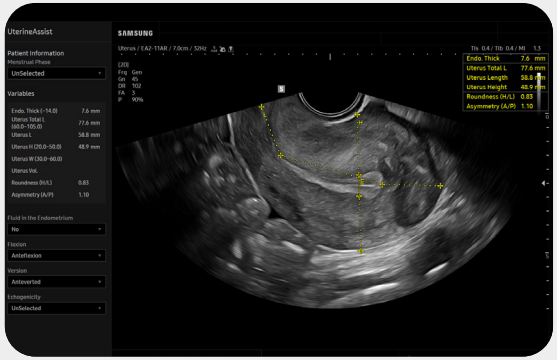
EzPictogram™ [1] displays the location of the interested area in a pictogram when the position and measurement data are input. Upon detecting an area of interest, it allows location classification and a pictogram report, thereby to help enhance the workflow.



Measure the size and shape of the uterus with AI technology

UterineAssist™ [1], based on Deep Learning technology, automatically measures the size and shape of the uterus, assisting in detecting signs of uterine-related abnormalities, as well as reducing scan time.

Reduced keystrokes by approximately 86% compared to manual input



Assess the risk of infertility using volume data

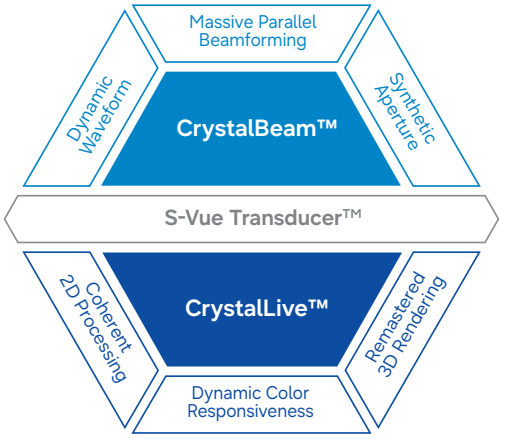
5D Follicle™ [1] identifies and measures multiple ovarian follicles in one scan for rapid assessment of follicular size and status during controlled ovarian stimulation.

Examine patency of the fallopian tube and morphology of uterus and endometrium

CEUS+ HyCoSy [1] can be used in 3D/4D for effective examination for patency of the fallopian tube and morphology of uterus and endometrium. 4D Prospective storage allows 4D data to be stored at the same time the contrast agent is injected.

Extraordinary image quality delivers diagnostic confidence

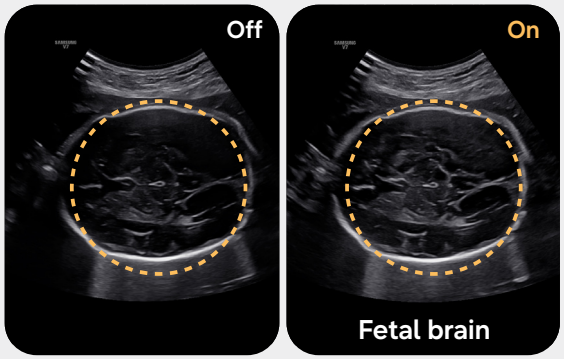
Gain insight into complex issues with exceptional image quality and resolution by Samsung's core imaging engine, Crystal Architecture™. The proprietary technology combines enhanced 2D image processing, realistic 3D rendering, and detailed color signal processing to optimize and refine the image. The cutting-edge V7 ONE will provide outstanding image clarity for a confident diagnosis.



Crystal Architecture™

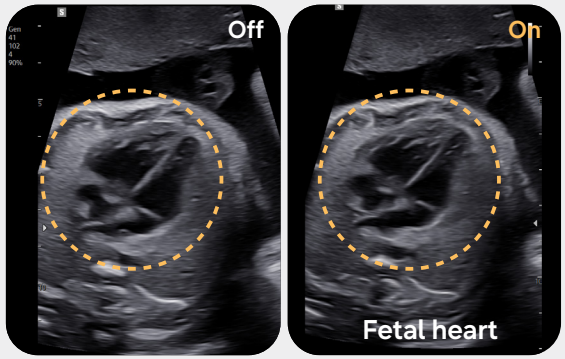
Enhance hidden structures in shadowed regions

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



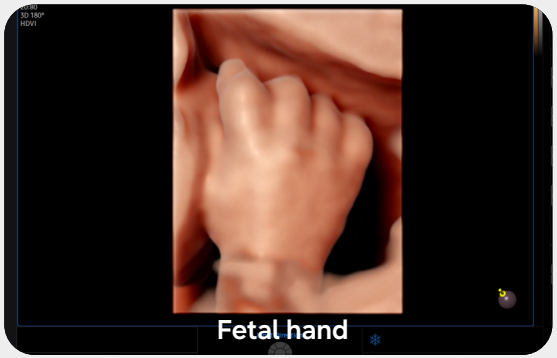
NEW Visualize the boundary in 3D-like display

Luminant is a function that visualizes the boundary of a 2D image in three dimentional-like to help understand the boundary of structures such as the fetal heart or brain.



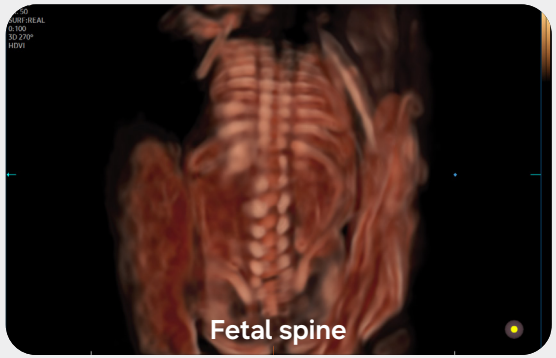
Express 3D anatomy in detail using a realistic view

RealisticVue™ [1] displays high-resolution 3D anatomy with detailed expression and realistic depth perception.



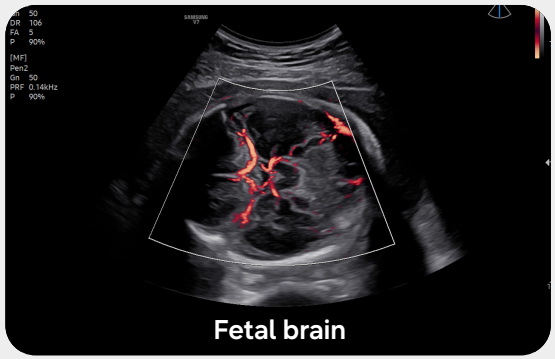
Visualize internal and external structures using volume rendering

CrystalVue™ [1] is an advanced volume rendering technology that enhances visualization of both internal and external structures in a single rendered image.



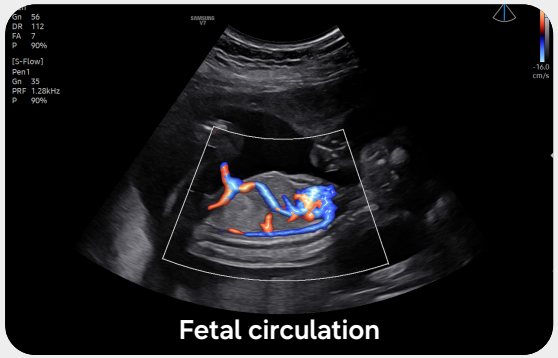
Visualize slow flow in microvascular structures

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



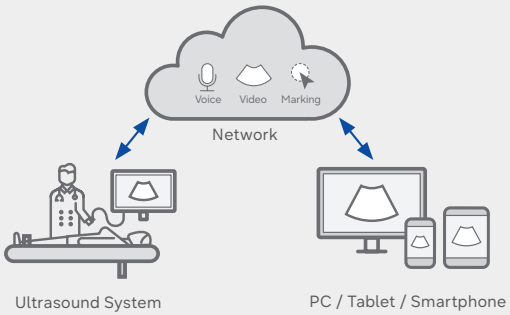
Show blood flow in vessels in a 3D like display

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.



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, 6] 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.

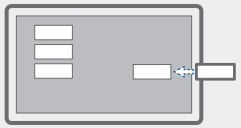
NEW Optimize image instantly with a single touch

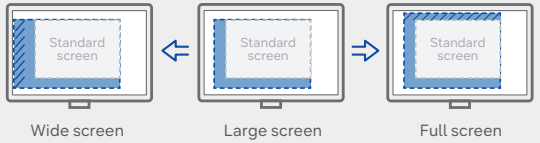
EzStructure™ quickly provides optimal 2D images of the region of interest by simply clicking one button.

EzFlow™ 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.

Customize frequently used functions on the touchscreen

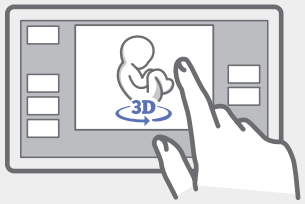
TouchEdit, a customizable touchscreen, allows the user to move frequently used functions to the first page.





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.

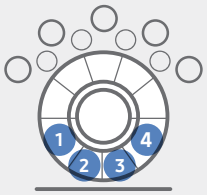


Easily manipulate volume data from the touchscreen

TouchGesture intuitively allows you to rotate, zoom, crop, and move 3D images right from the touchscreen.

Assign functions to the buttons near the trackball

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

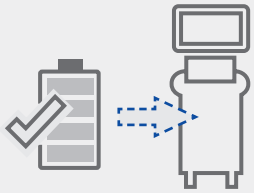


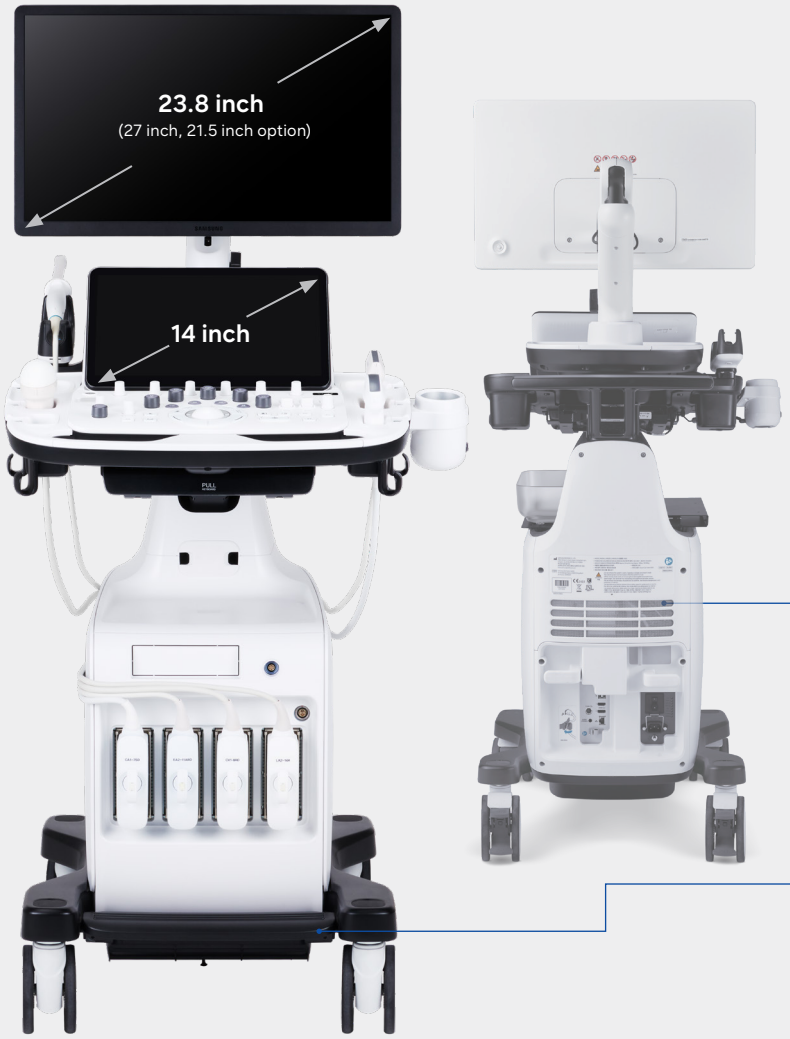
NEW Achieve optimal image quality, instantly and automatically

Live Q-Scan, 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™ 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

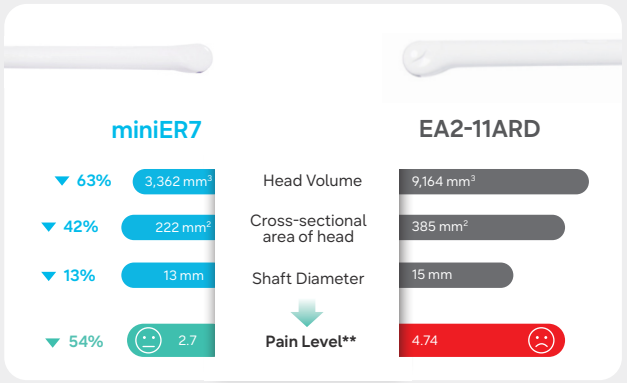
BCL2-14
Urology

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.

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.

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. A purchase of Mobile Export option is required to use HelloMom™.
6. 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 V2.0-OBGYN-260220-EN

SAMSUNG MEDISON CO., LTD.

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