Relentless Innovation
for your diagnostic confidence

SAMSUNG

V5

From basics to brilliance

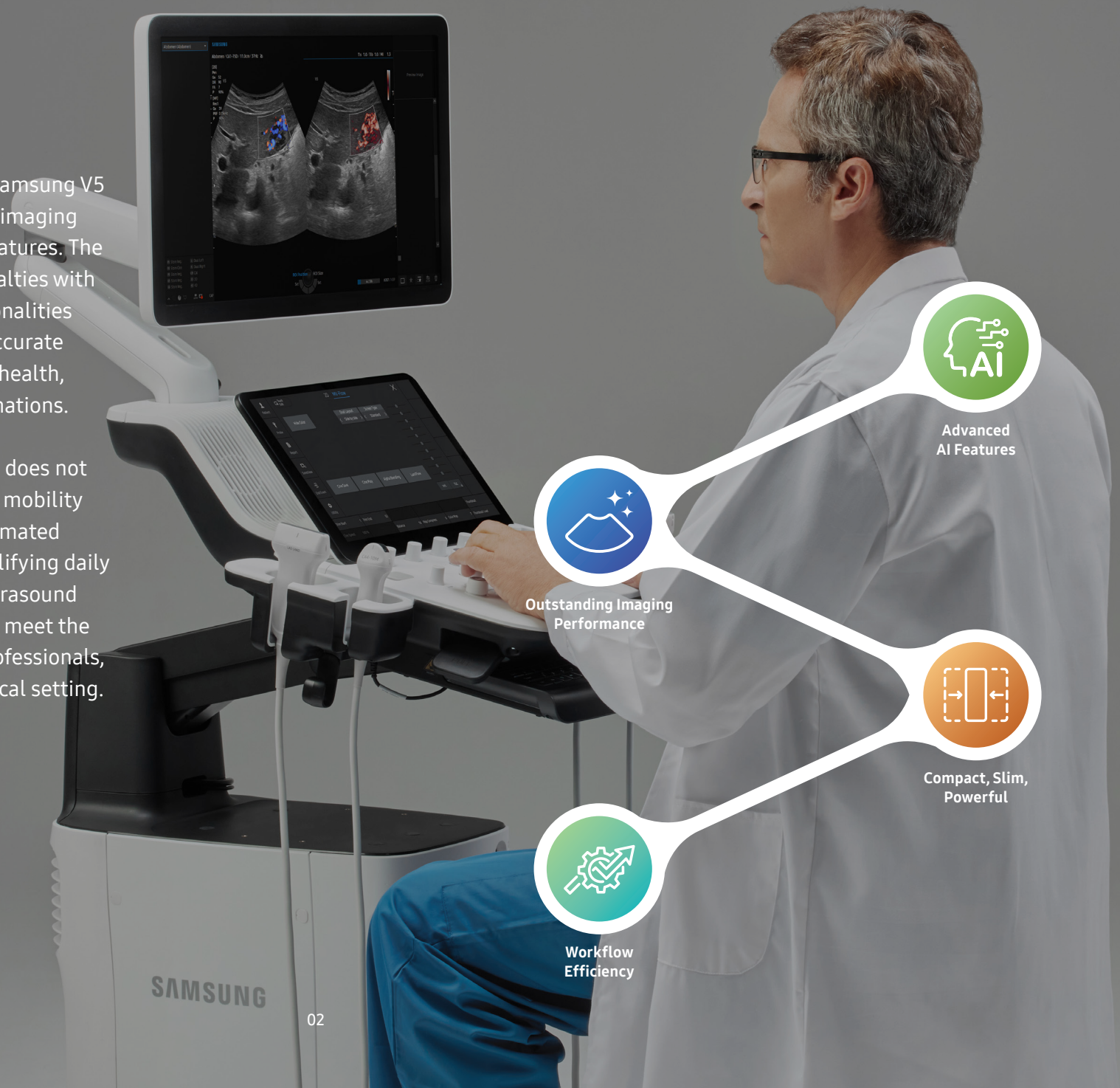
V5 ultrasound system product catalog
for General imaging and Women's health

From bascis to brilliance

Step into a new era of healthcare with the Samsung V5 ultrasound system, combining outstanding imaging performance and advanced AI diagnostic features. The V5 supports a broad range of medical specialties with superior image clarity. Intelligent AI functionalities streamline diagnostics, enabling quicker, accurate assessments for general imaging, women's health, cardiovascular, and musculoskeletal examinations.

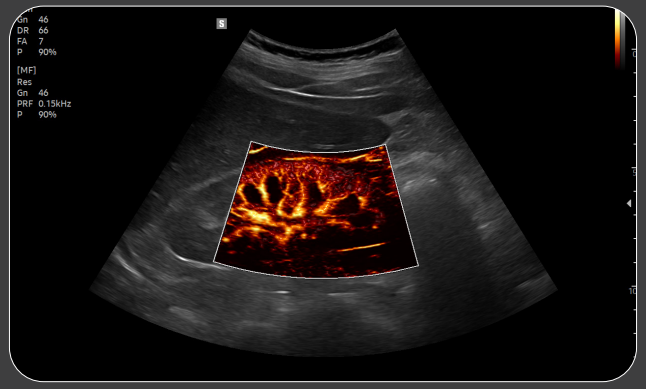
Despite its slim and compact design, the V5 does not compromise on power, offering exceptional mobility and usability. Its intuitive controls and automated features enhance workflow efficiency, simplifying daily operations and setting new standards in ultrasound diagnostics. The Samsung V5 is designed to meet the demanding needs of modern healthcare professionals, making it an indispensable tool in any medical setting.

Learn more

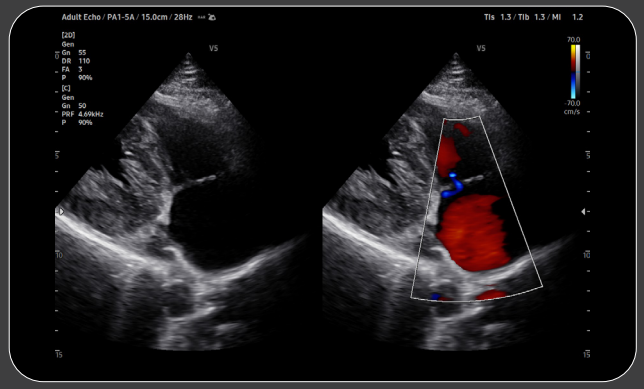


Striking images for extra confidence

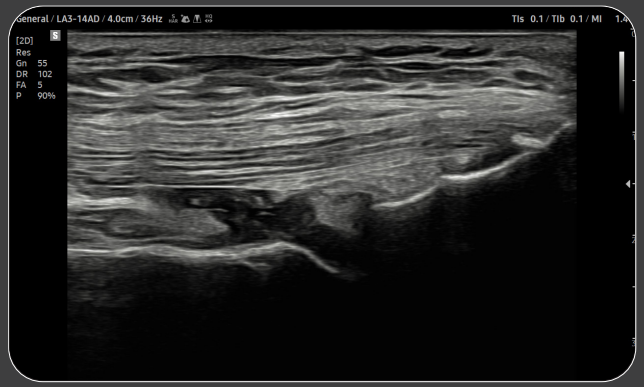
Liver subcostal view



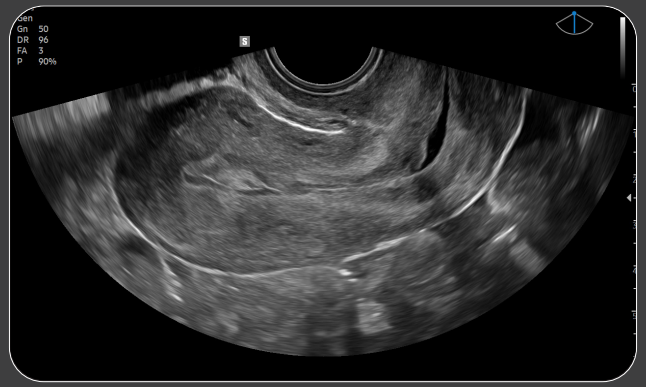
Renal MV-Flow™[1] with LumiFlow™[1]



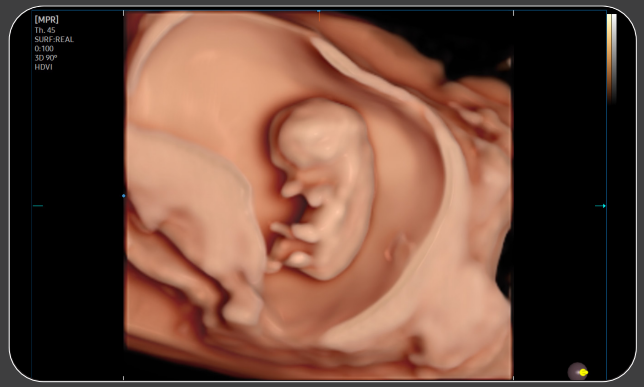
Trivial TR in modified view



Suprapatellar tendon with HQ-Vision™



Uterus Polyp



Embryo in RealisticVue™[1]

1. Optional feature, additional purchase required.

Elevate diagnostic precision in general imaging

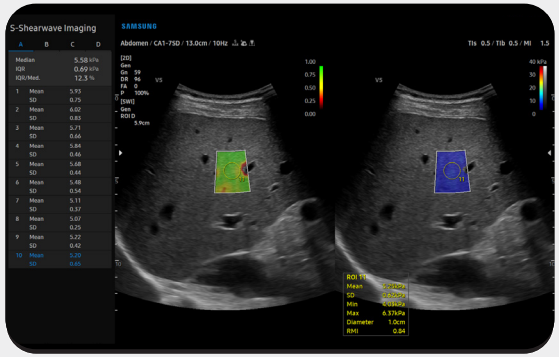
Transform your routine ultrasound assessments with the V5 ultrasound system, engineered for comprehensive support across general imaging, cardiovascular, and musculoskeletal diagnostics. Harness the power of our advanced automation technologies that optimize your diagnostic process, enabling you to deliver precise, dependable results with ease.

Display tissue stiffness in color image

ElastoScan+™[1] A diagnostic ultrasound technique for imaging elasticity, ElastoScan+™ observes the transformation of the tissue strain by the internal or external forces, and converts relative stiffness into a color image.

Display and quantify tissue stiffness in a non-invasive method

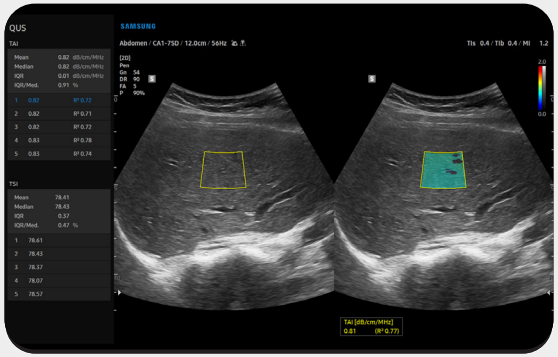
S-Shearwave Imaging™[1] allows for non-invasive assessment of the stiffness of tissue/lesions in various applications such as breast and liver. The color-coded elastogram, quantitative measurements, dual or single display option, and user-selectable ROI functions are especially useful for the accurate diagnosis of breast and liver diseases.



Quantitative measurement of liver fat with ultrasound signal

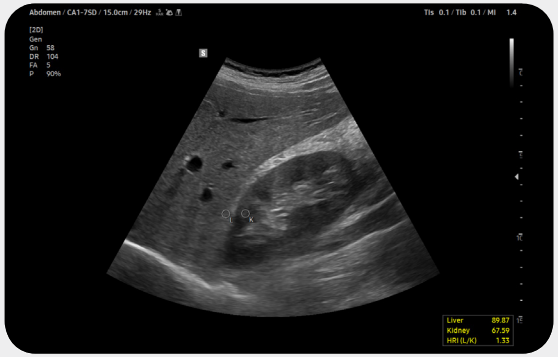
TAI™[1] **(Tissue Attenuation Imaging)** provides quantitative tissue attenuation measurement to assess steatotic liver changes.

TSI™[1] **(Tissue Scatter distribution Imaging)** provides quantitative tissue scatter distribution measurement to assess steatotic liver changes.



Hepato-renal index with automated ROI recommendation

HRI (Hepato Renal Index) is an index to quantify steatosis of a liver by comparing echogenicity between liver parenchyma and renal cortex. **EzHRI™**[1] places 2 ROIs on the liver parenchyma and renal cortex and provides HRI ratio.



1. Optional feature, additional purchase required.

Easy calculation of the strain ratio between two ROIs

E-Strain™[1, 2] 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.

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.

Display needle tip clearly

With pinpoint precision, **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+™.

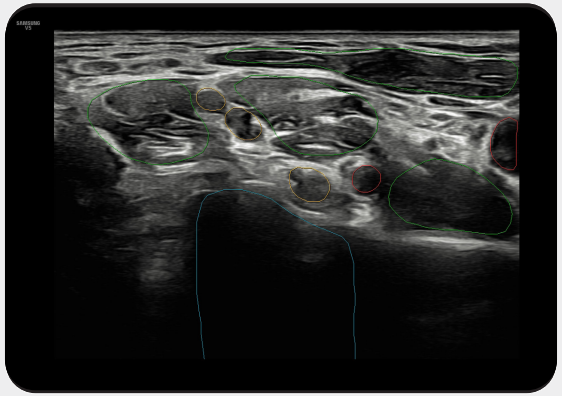
Analyze selected breast lesions and report breast assessment

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.

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

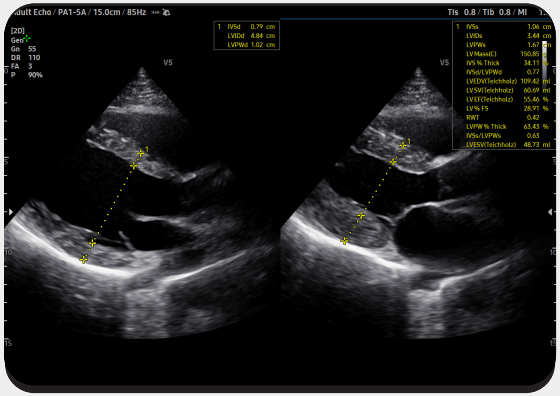
Detect and track nerves automatically with AI technology

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.



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.



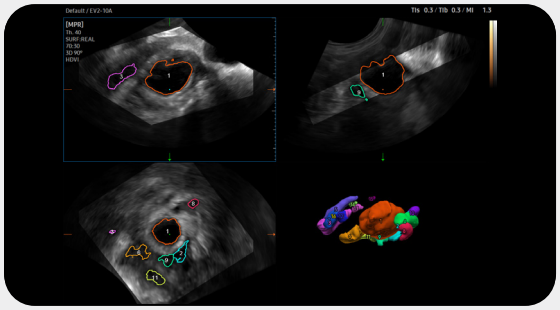
1. Optional feature, additional purchase required.

Unlock comprehensive women's health solutions

Enhance your daily women’s health assessments with the V5 ultrasound system, tailored for unmatched support in obstetrics and gynecology. This system integrates our most advanced automation technologies to streamline your diagnostic process in women’s health, ensuring precise and reliable results effortlessly.

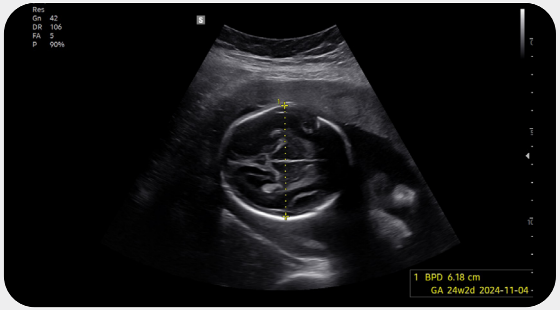
Assess the risk of infertility using volume data

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



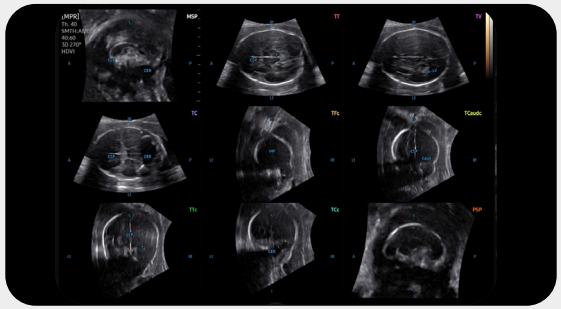
An automated fetal biometry measurement

BiometryAssist™, 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.



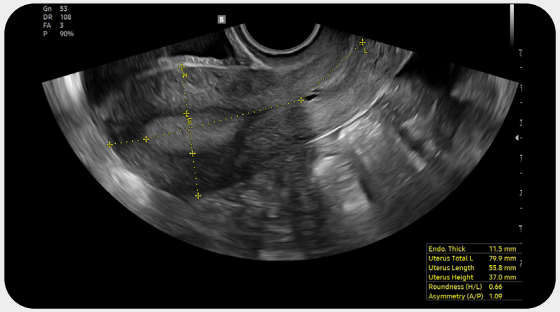
Measure fetal brain with one click

5D CNS+™[1] uses intelligent navigation to provide 6 measurements from 3 transverse views of the fetal brain to enhance measurement reproducibility and streamlined workflow.



Measure the size and shape of the uterus with AI technology

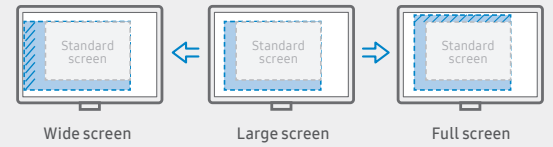
UterineAssist™[1], based on Deep Learning technology, automatically measures the size and shape of the uterus, assisting in detecting signs of uterine-related abnormalities, as well as reducing scan time.



1. Optional feature, additional purchase required.

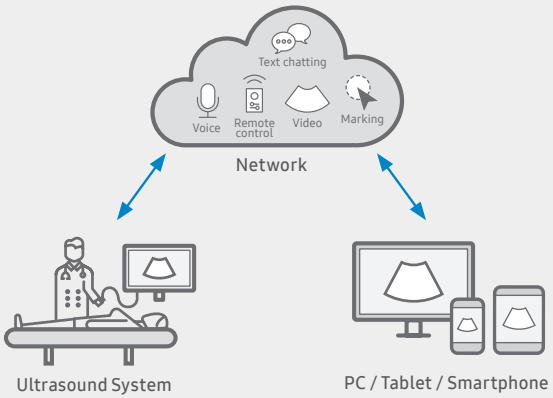
Enhance daily efficiency

The V5 ultrasound system enhances efficiency with advanced workflow solutions, remote accessibility, a larger screen view, and a compact, robust structure with convenient battery. These elements make it ideal for healthcare professionals seeking to improve productivity and patient care.



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.



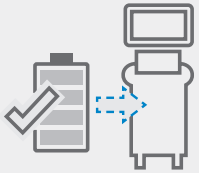
Real-time image sharing solution

SonoSync™[1,4] 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, video conference, 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.

Learn more

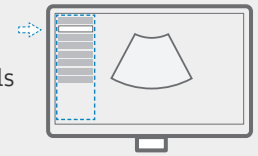
Continue working even when AC power is temporarily unavailable

BatteryAssist™[1] provides battery power to the system, enabling users to perform scans when AC power is temporarily unavailable. It also allows to transport the ultrasound system to another location and start to scan right away.



Build predefined protocols to ensure every step is followed every time

EzExam+™[1] 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.



1. Optional feature, additional purchase required.

Comprehensive selection of transducers

Curved array transducers

CA1-7SD *

Abdomen, Obstetrics, Gynecology, Pediatric, Musculoskeletal, Vascular, Urology, Thoracic

CA2-8AD

Abdomen, Obstetrics, Gynecology, Pediatric, Musculoskeletal, Vascular, Urology

CA4-10M *

Abdomen, Pediatric, Vascular

Linear array transducers

LA2-9S *

Abdomen, Pediatric, Musculoskeletal, Vascular, Small parts

LA3-14AD

Abdomen, Pediatric, Musculoskeletal, Vascular, Small parts

L3-22

Musculoskeletal, Pediatric, Vascular, Small parts, Dermatology

LA3-22AI

Musculoskeletal, Intraoperative, Dermatology

Endocavity transducers

EA2-11ARE *

Obstetrics, Gynecology, Urology

EA2-11AVE *

Obstetrics, Gynecology, Urology

Volume transducers

CV1-8AE

Abdomen, Obstetrics, Gynecology, Urology

EV2-10A *

Obstetrics, Gynecology, Urology

Phased array transducer

PA1-5AE

Cardiac, Vascular, Abdomen, Pediatric, TCD

CW transducers

DP2B

Cardiac, Vascular, TCD

CW6.0

Cardiac, Vascular, TCD

*** 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

* 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.
* S-Vue Transducer™ is the name of Samsung's advanced transducer technology.

1. Optional feature, additional purchase required.
2. Strain value for ElastoScan+™ is not applicable in the United States and Canada.
3. Recommendations about whether results are benign or malignant in S-Detect™ are not applicable in the United States.
4. SonoSync™ is a function for image sharing, not for diagnosis.

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