Life-long Healthcare Solutions
for Women

SAMSUNG

V7

Take what you want

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 is fully capable of covering women's health that allows 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™
- ClearVision
- S-Harmonic™

3D imaging

- RealisticVue™
- CrystalVue™
- HDVI™

Color imaging

- MV-Flow™
- LumiFlow™

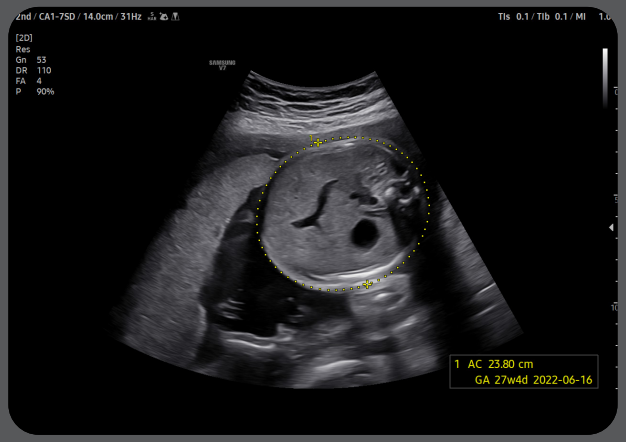
Diagnostic features

- BiometryAssist™
- UterineAssist™ (AI)
- LaborAssist™
- 5D Heart Color™
- 5D CNS+™
- 5D Follicle™
- S-Detect™
- IOTA-ADNEX

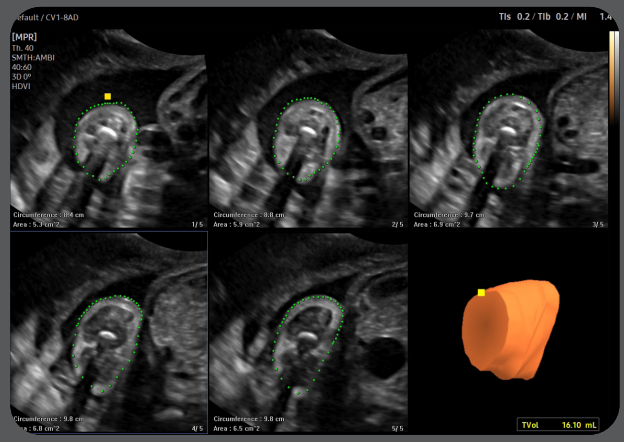
Striking images for confidence

Image gallery

First trimester NT

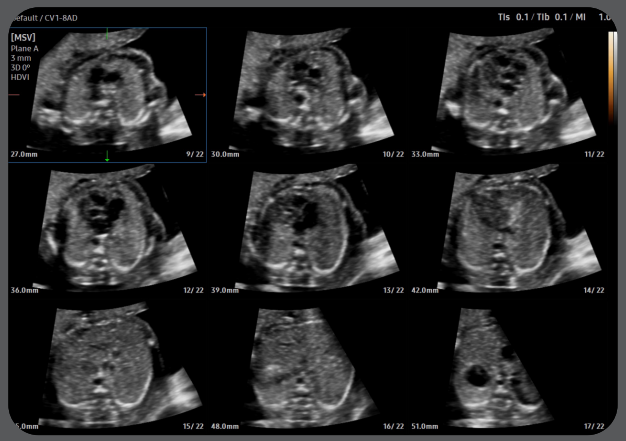


Fetal biometry measurement with BiometryAssist™

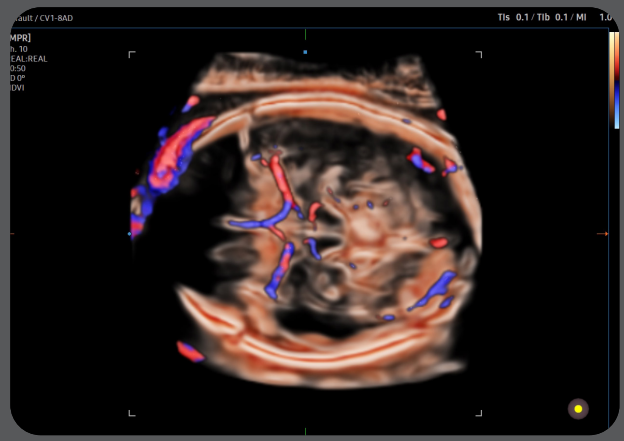


5D Limb Vol.™

RealisticVue™



3D MXI



Fetal brain with CrystalVue Flow™

Enriched diagnostic features with accuracy and precision

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

Measure stiffness of cervix area for predicting preterm birth

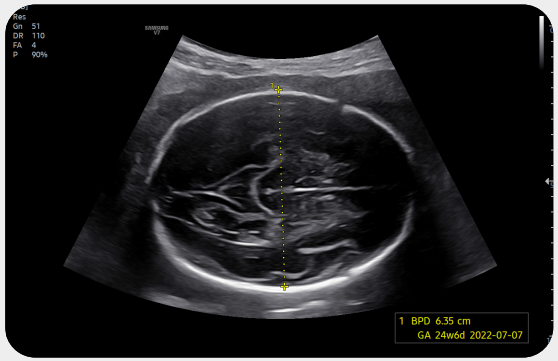
E-Cervix™ [1] measures the stiffness of the cervical area. Using elasticity images that help predict preterm birth and induced labor, it enhances reproducibility and reduces inter-observer variation by using a sum of various elastograms acquired for several seconds.

White paper

Measure fetal biometry parameter in one click

BiometryAssist™ [1], a semi-automatic technology for biometric measurement, enables users to measure the fetal growth parameters with one click while maintaining exam consistency.

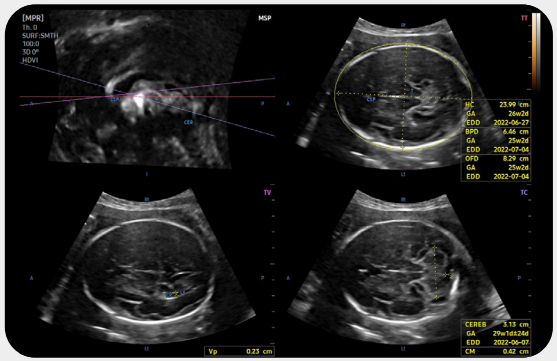
White paper



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.

White paper



Examine fetal heart including blood flow dynamics

5D Heart Color™ [1] identifies 9 standard planes of the heart using fetal STIC data and important information about fetal heart development, complying with AIUM guidelines. It also offers dedicated Preset, Predictive Cursor, Diagnostic Alert, and heart Diastole/Systole timepoints.

Support in deciding delivery method

LaborAssist™ [1] provides information about the progress of delivery from the automatic measurement of the AoP (Angle of Progress) and the direction of the fetal head. This helps in making delivery decisions and effective communication with the mother about the delivery process.

White paper

* AoP complies with the metrics specified in the ISUOG Guideline.

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 stream-lined 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

Classify ovarian tumors

IOTA-ADNEX [1] is an ovarian tumor classification solution of IOTA Group. Applying the ADNEX model to the system, it can perform all procedures from the initial scan to the final report in the ultrasound diagnosis system.

White paper

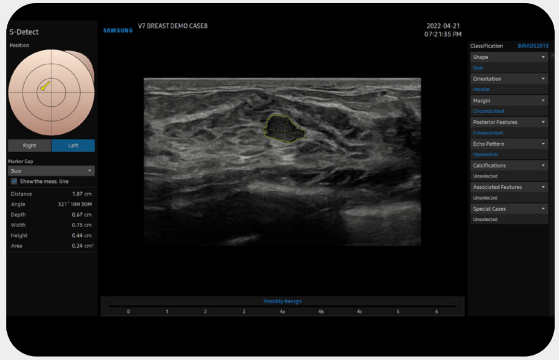
Examine patency of the fallopian tube and morphology of uterus and endometrium

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.

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.

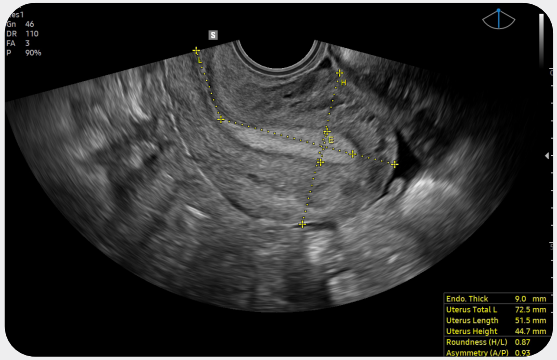
White paper



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

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.



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.

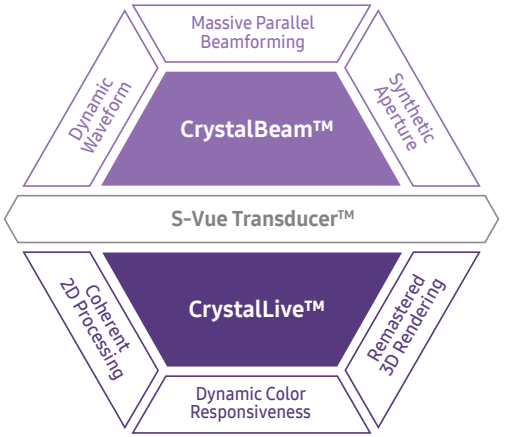
Measure the size of follicles based on 2D imaging

2D Follicle™ [1] identifies and measures the size of follicles based on a 2D image and provides information about the status during gynecology examinations.

Other features E-Strain™ [1], ElastoScan+™ [1], 5D Limb Vol.™ [1], MPI+ [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, realistic 3D rendering, and detailed color signal processing to optimize and refine the image. The cutting-edge V7 will provide outstanding image clarity for a confident diagnosis.

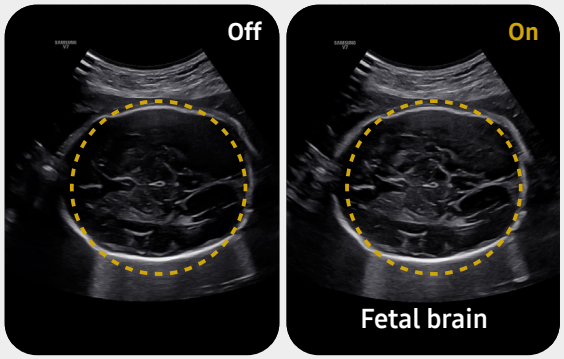


Crystal Architecture™

Enhance hidden structures in shadowed regions

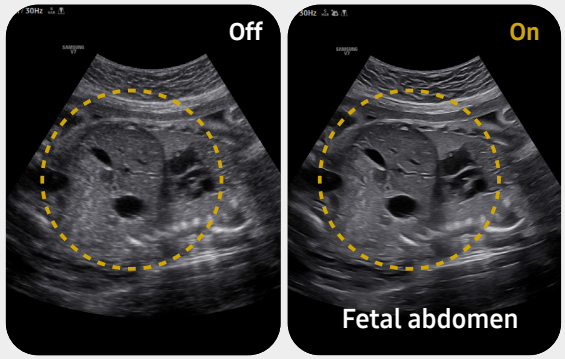
ShadowHDR™ selectively applies high-frequency and low-frequency of ultrasound to identify shadow areas where attenuation occurs.

White paper



Reduce noise to improve 2D image quality

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



Express 3D anatomy in detail using a realistic view

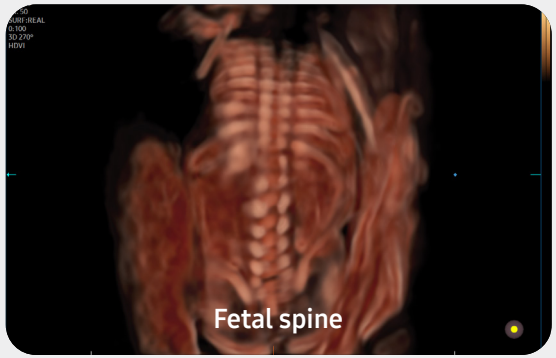
RealisticVue™[1] displays high-resolution 3D anatomy with detailed expression and realistic depth perception.

White paper

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.

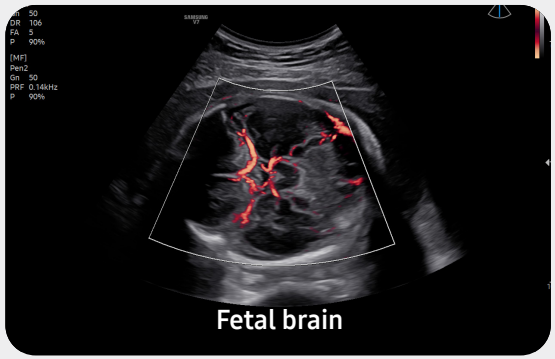
White paper



Visualize slow flow in microvascular structures

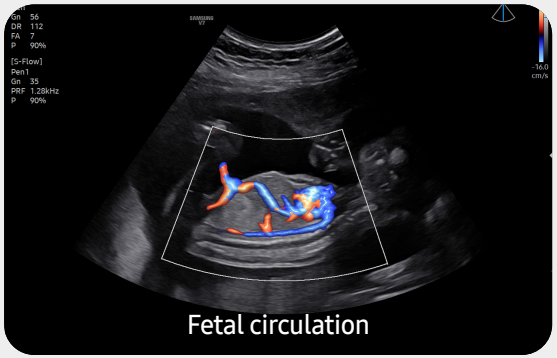
MV-Flow™ [1] visualizes microcirculatory and slow blood flow to display the intensity of blood flow in color.

White paper



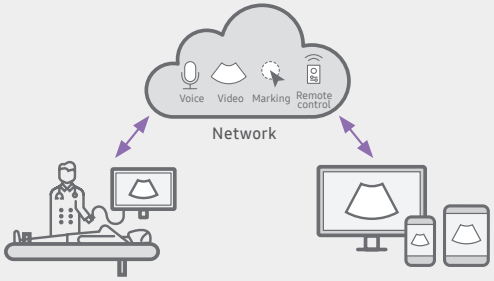
Show blood flow in vessels in a 3D like display

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 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.



Real-time image sharing, discussion, and remote control of ultrasound system

SonoSync™ [1,6] 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

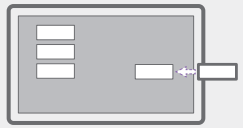
Simple transfer of fetal ultrasound images and clips

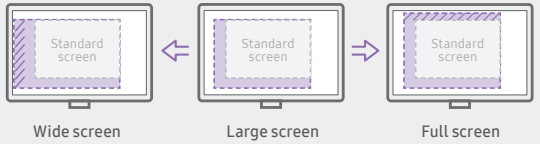
HelloMom™ [1,5] is a simple and secure image-sharing solution that generates a QR code for the selected fetal images to be transferred. HelloMom™ allows pregnant women and their family to download fetal ultrasound images simply by scanning the QR code with their smartphones, reducing the hassle of installing a separate application.

Learn more

Customize frequently used functions on the touchscreen

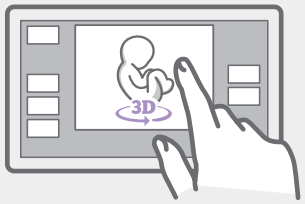
TouchEdit, a customizable touchscreen, allows the user to move frequently used functions to the first page.





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.

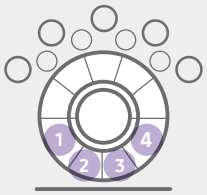


Easily manipulate volume data from the touchscreen

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.

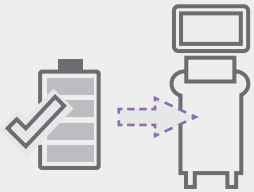


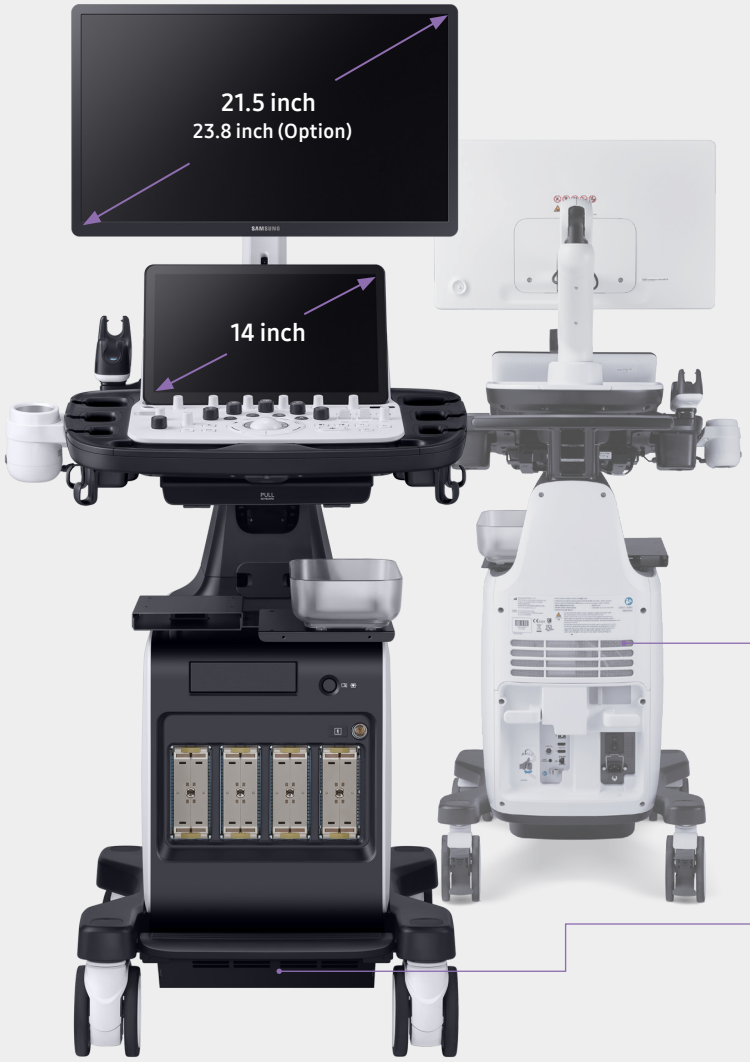
Save image data directly to USB memory

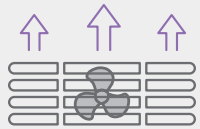
QuickSave function allows image data to be saved directly on USB memory during the exam.

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.

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

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

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

LA3-22AI
Musculoskeletal, Intraoperative

Endocavity transducers

EA2-11ARD *
Obstetrics, Gynecology, Urology

EA2-11AVD *
Obstetrics, Gynecology, Urology

*** 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.

Phased array transducers

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

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

CW transducers

MMPT3-7
Cardiac

DP2B
Cardiac, Vascular, TCD

TEE transducer

CW6.0
Cardiac, Vascular

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.

* 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 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.

CT-V7 V1.00-OB-JWP-220527-EN

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