

**V8**

Step up confidence



Product Inquiry

# Unifying performance and intelligence

Built to deliver comfort to both healthcare professionals and patients, the V8 ultrasound system enhances workflow and patient throughput in women's healthcare.

Powered by Samsung's premium Crystal Architecture™ and Intelligent Assist features, V8 helps streamline processes and boost confidence even in complex women's exams, as well as help communicate results easily with patients.



Overview video



Exquisite imaging  
quality for reliability  
and confidence



Re-engineered  
workflow for simplified  
process



Intelligent Assist  
tools for efficient  
examination

# Feature-rich capabilities for diverse clinical cases

V8 includes a range of tools for diverse clinical cases and patient types. The highly adaptable system with high-precision features helps healthcare professionals effectively perform targeted examinations.



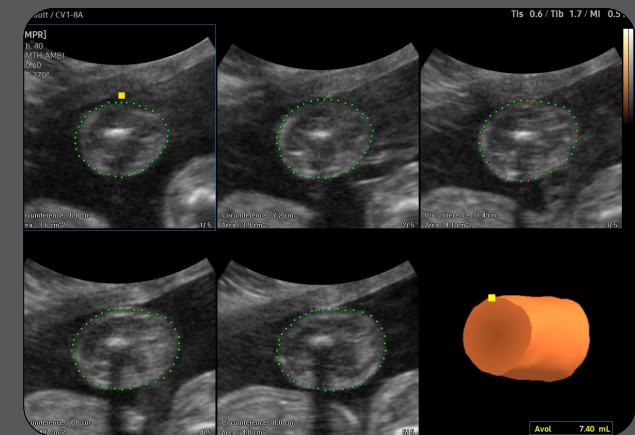
Image gallery



ViewAssist™<sup>1</sup> with Fetal Echo



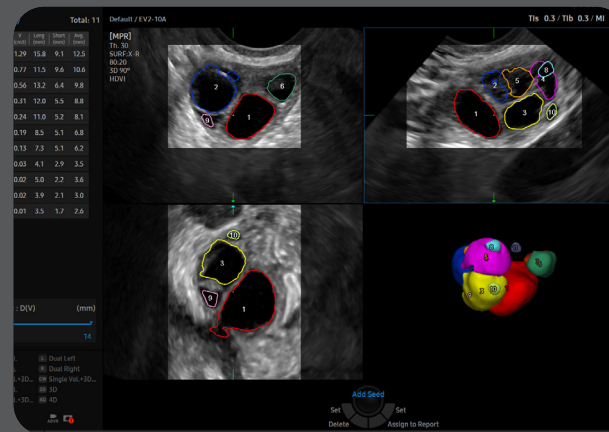
BiomteryAssist™<sup>1</sup> with Fetal Brain



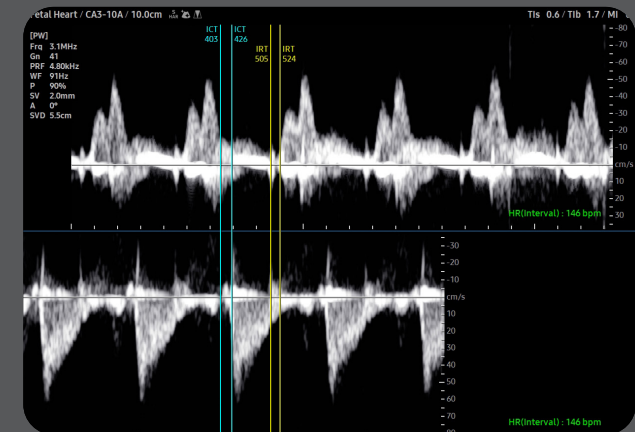
5D Limb Vol.™<sup>1</sup>



Early fetus with RealisticVue™<sup>1</sup>



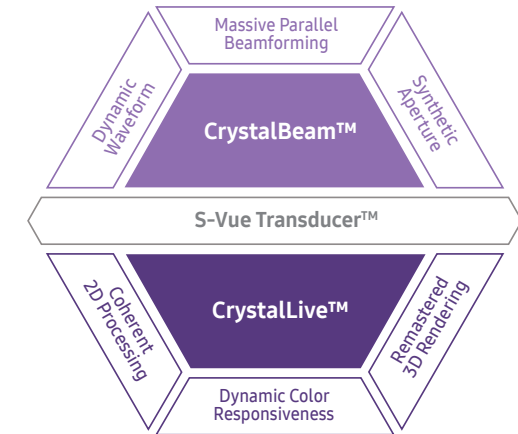
5D Follicle™<sup>1</sup>



MPI+<sup>1</sup>

# Exquisite imaging quality for reliability and confidence

Gain insight into the problem based on exceptional image performance powered by Samsung's core imaging engine, Crystal Architecture™. The premium imaging engine combines the benefits of enhanced 2D image processing, realistic 3D rendering, and detailed expression of color signal processing.



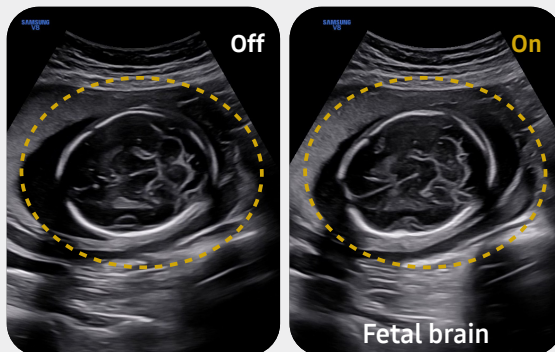
Crystal Architecture™

## Enhance hidden structures in shadowed regions

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



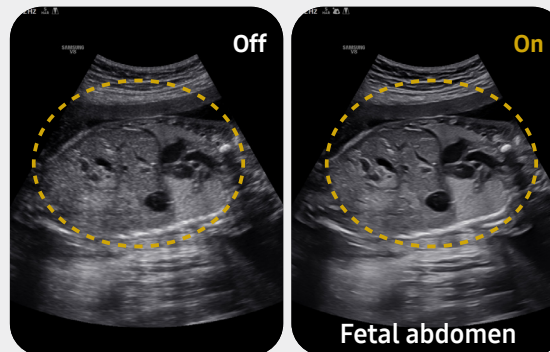
White paper



Fetal brain

## Reduce noise to improve 2D image quality

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



Fetal abdomen

## Express 3D anatomy in detail using a realistic view

**RealisticVue™<sup>1</sup>** displays high-resolution 3D anatomy with detailed expression and realistic depth perception.



White paper



Fetal face

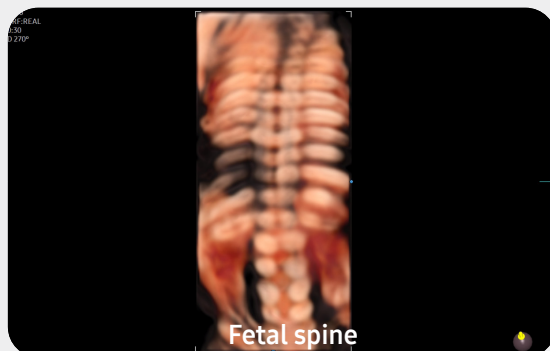


### Visualize internal and external structures using volume rendering

**CrystalVue™** <sup>1</sup> 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™** <sup>1</sup> visualizes microcirculatory and slow blood flow to display the intensity of blood flow in color.

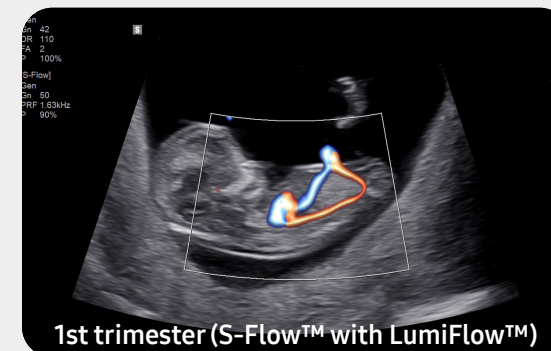


White paper



### Show blood flow in vessels in a 3D like display

**LumiFlow™** <sup>1</sup> is a function that visualizes blood flow in 3 dimensional-like to help understand the structure of blood flow and small vessels intuitively.



# Intelligent Assist tools for efficient examination

Simplify operations with built-in Intelligent Assist features specialized for obstetrics and gynecology. V8 supports healthcare professionals with the time-saving features they need in today's busy working environment. The system is equipped with a range of tools that help accurately diagnose issues and achieve greater throughput. For instance, ViewAssist™ feature automatically perform measurements and annotations with a simple click of a button, thereby reducing repetitive tasks for healthcare professionals.



Learn more

## Support in deciding delivery method



**LaborAssist™**<sup>1</sup> 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.

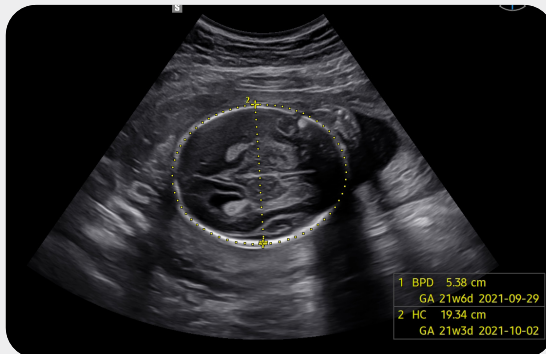
## An automated fetal biometry measurement



**BiometryAssist™**<sup>1</sup>, 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.



White paper

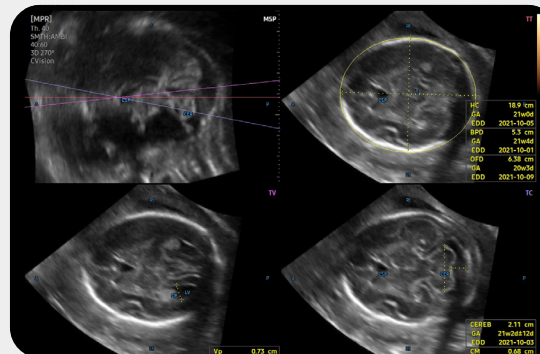


## Measure fetal brain with one click

**5D CNS+™**<sup>1</sup> 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™**<sup>1</sup> 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.

## An automated classification and annotation of the images



**ViewAssist™**<sup>1</sup> 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.



White paper

## Analyze selected thyroid lesions and report thyroid assessment



**S-Detect™ 1,4 for Thyroid** 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

## 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.

## 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.

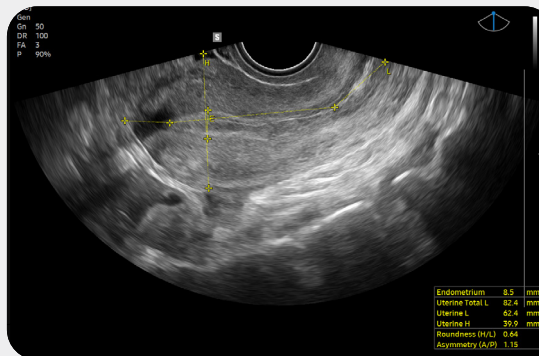


White paper

## 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.



## A feature to extract the centerline and thickness of endometrium

**2D Follicle™ 1** is a function to measure the size of follicles based on 2D image and to provide information about the status during controlled ovarian simulation.

## 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.

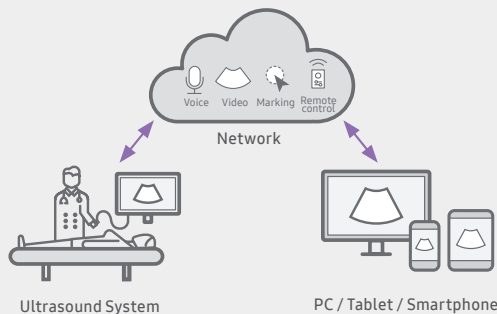
## Examine patency of the fallopian tube and morphology of uterus and endometrium

**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.

**Other features** E-Cervix™ 1, E-Strain™ 1, ElastoScan+™ 1, MPI+™ 1, 5D Limb Vol.™ 1

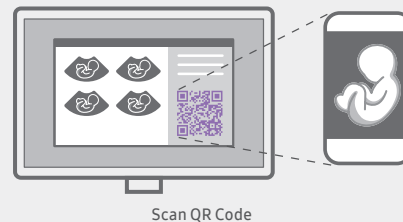
# Re-engineered workflow and design for a simplified process

Ease your day by streamlining workflow with V8's convenient features that reduce multiple tasks into just a few steps and keystrokes. How we display the scan data more easily and precisely is an important focus for the user experience. The ergonomic design makes effective use of the user's working environment to assure utility.



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

SonoSync™<sup>1,6</sup> 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.



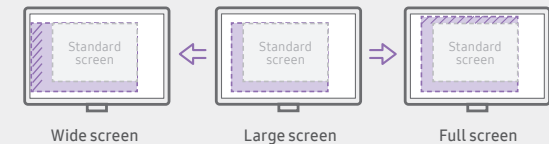
## Simple transfer of fetal ultrasound images and clips

HelloMom™<sup>1,5</sup> supports simple and secure transfer of fetal ultrasound images and clips wirelessly from the ultrasound system directly to an external device. These images can be shared easily with others.



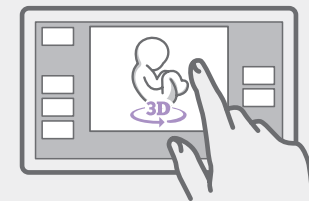
## Customize frequently used functions on the touchscreen

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.

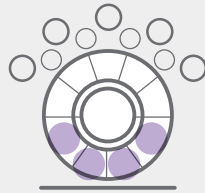


## Easily manipulate volume data from the touchscreen

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

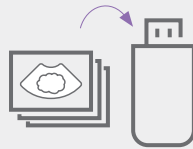
### Assign functions to the buttons near the trackball

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



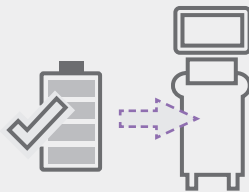
### Save image data directly to USB memory

User can directly export image/cine with a USB device.



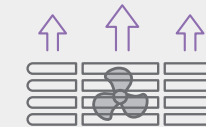
### Continue working even when AC power is temporarily unavailable

**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.



### 14 inch tilting touch screen

Samsung's tilting touch screen can be adjusted to accommodate user's viewing preferences in any scanning environment.



### 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



### CA1-7S \*

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



### CA3-10A

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



### CA4-10M \*

Abdomen, Pediatric,  
Vascular



### EA2-11AR \*

Obstetrics,  
Gynecology, Urology



### EA2-11AV \*

Obstetrics,  
Gynecology, Urology



### miniER7 \*

Obstetrics,  
Gynecology, Urology

## Linear array transducers



### LA2-14A

Small parts,  
Vascular, Abdomen,  
Pediatric, Thoracic,  
Musculoskeletal



### LA4-18A \*

Small parts, Vascular,  
Abdomen, Pediatric,  
Musculoskeletal



### LA2-9S \*

Small parts, Vascular,  
Abdomen, Pediatric,  
Musculoskeletal



### LA2-9A

Small parts, Vascular,  
Abdomen, Pediatric,  
Musculoskeletal



### L3-22

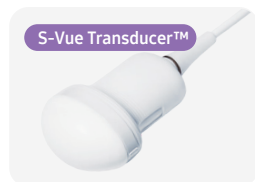
Musculoskeletal,  
Small parts, Vascular,  
Pediatric



### LA3-22AI

Musculoskeletal,  
Intraoperative

## Volume transducers



**CV1-8A**  
Abdomen, Obstetrics,  
Gynecology, Urology



**EV2-10A \***  
Obstetrics,  
Gynecology, Urology



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



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



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

## CW transducers



**DP2B**  
Cardiac, Vascular, TCD



**CW6.0**  
Cardiac, Vascular, TCD



**MMPT3-7**  
Cardiac

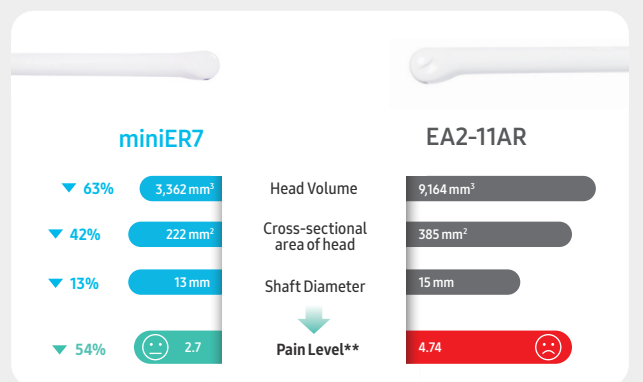
## TEE transducer

### 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 EA2-11AR

\*\* 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.



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. SonoSync™ is an image sharing solution.

## Eco Packaging

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



Learn more

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CT-V8 V1.04-GI-JWP-230728-EN

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