

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.

CT-HS50 V2.0-OB-FT-180404-EN

\*This product, along with its various features, options and transducers, is not currently available in all countries.

Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local sales network for further details.

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

\*Crystal Clear Cycle™ is not the name of a function, but is Samsung's marketing terminology.

\*Advertising regulation varies by country. Before using this material, proceed the review of the local advertising regulation through your RA and legal team.

# Simple yet powerful

## Ultrasound system HS50



Scan code or visit  
[www.samsunghealthcare.com](http://www.samsunghealthcare.com)  
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**EXPERIENCE**  
A New Healthcare  
Solution

**SAMSUNG**

# Samsung's commitment to life-long healthcare for Women: CRYSTAL CLEAR CYCLE™



To overcome the challenges women face and prepare for a better future, Samsung has put together its 30 years of experience in diagnostic solutions and capabilities in ultrasound imaging. The Crystal Clear Cycle™ is Samsung's commitment to life-long healthcare for Women.

Crystal Clear Cycle™, an integrated solution for women's health issues, categorizes the most significant health events for women into six stages, and provides diagnostic solutions tailored to each stage.

Samsung's HS50 ultrasound system adopts the integrated solution, combining high-quality imaging with advanced features to support healthcare professionals in making fast and accurate decisions.



Samsung Ultrasound System **HS50**



Family Planning



Healthy Pregnancy: Biometry



Healthy Pregnancy: Diagnosis



Healthy Pregnancy: Visualization



Healthy Birth



Gynecology & Breast Health

# Focusing on diagnostic solutions for women's health

The HS50 provides a versatile range of obstetric and gynecological capabilities for efficient and effective care. With its efficient diagnostic solutions, the HS50 supports your knowledge and experience to help you make clear, confident decisions.



## Family Planning

### 5D Follicle™

※ Optional Extra

5D Follicle™ identifies and measures multiple ovarian follicles for rapid assessment of follicular size and status during gynecology examinations.

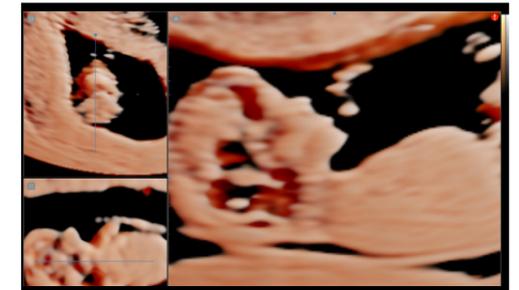


## Healthy Pregnancy Diagnosis

### 5D NT™

※ Optional Extra

With Samsung's 5D NT™, operator dependency can be reduced for the first trimester fetal nuchal translucency (NT) measurement. 5D NT™ allows the user to obtain the true mid-sagittal plane automatically by rotating and auto-zooming the image. This advanced technology is especially useful when facing difficult cases involving fetal position.



Nuchal translucency



## Healthy Pregnancy Biometry

### BiometryAssist™

Users no longer need to put effort and time into routine fetal biometry such as HC, BPD, AC, and FL. A semi-automatic technology for biometric measurement, BiometryAssist™, enables users to measure the growth of the fetus more quickly and with greater accuracy while maintaining exam consistency.



Femur length measured with Biometry Assist™

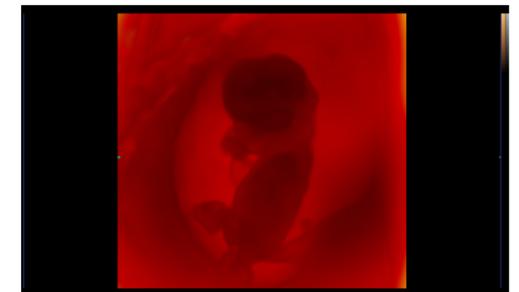


## Healthy Pregnancy Visualization

### RealisticVue™

※ Optional Extra

RealisticVue™ displays high resolution 3D anatomy with exceptional detail and realistic depth perception. User selectable light source direction creates intricately graduated shadows for better defined anatomical structures.

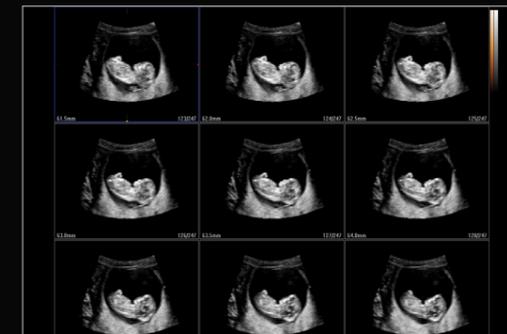


OB early

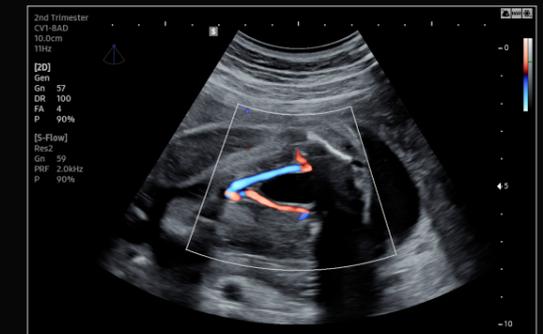
# Highly detailed images through innovation

Samsung's innovative imaging technologies and S-Vue™ transducers provide highly detailed images to increase diagnostic confidence.

# Image gallery



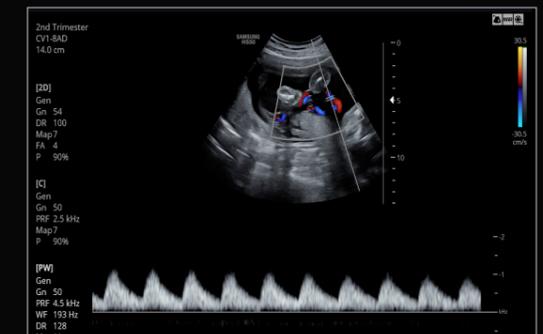
OB early with MSV\*



Umbilical artery



Fetal heart\*



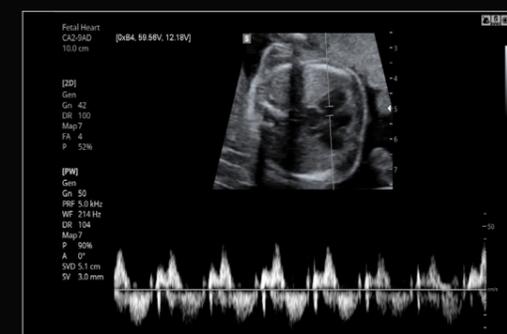
Umbilical cord with PW\*



1st trimester\*



Fetal abdomen\*



Fetal heart with PW\*

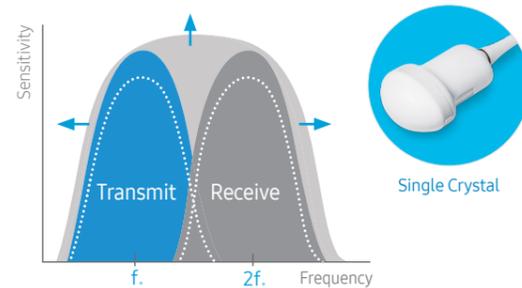


Fetal brain\*

## S-Vue™ transducers (CA1-7AD, CA2-9AD, CV1-8AD)

The higher sensitivity and broader bandwidth of the S-Vue transducers™ help to achieve deep penetration and high resolution.

\* The image is for illustrational purposes only and might differ from the actual performance of the device



## ClearVision

The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. ClearVision provides application-specific optimization and advanced temporal resolution in live scan mode.



Fetal brain\*



\* The asterisk on this page is the clinical images acquired by the HS50 V1.00 ultrasound system.

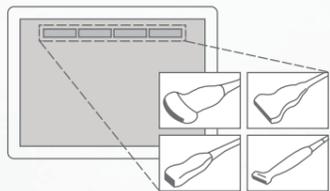
\* The asterisk on this page is the clinical images acquired by the HS50 V1.00 ultrasound system.

# User-oriented features that streamline your workflow

A busy practice needs user-oriented features to manage routine obstetric and gynecological exams. Accurate and easy-to-use, HS50's comprehensive features enable greater throughput.

## QuickPreset

With one touch, the user can select the most common transducer and preset combinations. QuickPreset increases efficiency to make a full day of scanning simple and easy.



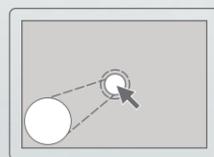
## EzCompare™

EzCompare™ allows easy access to previously taken exams to evaluate corresponding views in a side-by-side display. For greater efficiency, EzCompare™ automatically matches the image settings, annotations, and bodymarkers from the prior study.



## Measure Navigation

When placing a caliper, Measure Navigation automatically magnifies the region of interest using a picture-in-picture window to allow more precise placement of the calipers. This is especially useful when measuring small structures or when accuracy is critical.



## Gel warmer ※ Optional Extra

For operator convenience, a gel warmer can be installed on both sides of the control panel.



## Solid State Drive (SSD)

The HS50 uses Samsung's advanced solid state drives. These stable and dependable drives allow faster boot-up, better frame rates, and fast processing speeds.



## BatteryAssist™

BatteryAssist™ provides the system with battery power. This serves two important purposes. Firstly, it enables users to perform scans and transport the ultrasound system to other locations in environments where AC power may not be available temporarily. Secondly, it reduces boot-up time by using sleep mode without having to shut down or restart the system.



## Clever use of space

With its reduced weight and compact size, the HS50 takes up minimal space and can move freely. In addition, its streamlined rear profile allows you to park the HS50 in small spaces.



# Comprehensive selection of transducers

## Curved array transducers



**CA1-7AD**

- Application : abdomen, obstetrics, gynecology



**CA2-9AD**

- Application : abdomen, obstetrics, gynecology



**CF4-9**

- Application : pediatric, vascular

## Linear array transducers



**LA3-14AD**

- Application : small parts, vascular, musculoskeletal



**LA3-16A**

- Application : small parts, vascular, musculoskeletal

## Volume transducers



**CV1-8AD**

- Application : abdomen, obstetrics, gynecology



**V5-9**

- Application : obstetrics, gynecology

## Endo-cavity transducers



**ER4-9**

- Application : obstetrics, gynecology, urology



**EVN4-9**

- Application : obstetrics, gynecology, urology

## Phased array transducers



**PE2-4**

- Application : abdomen, cardiac, vascular



**PA3-8B**

- Application : abdomen, cardiac, pediatric



**PA4-12B**

- Application : abdomen, cardiac, pediatric

## CW transducers



**CW6.0**

- Application : cardiac



**DP2B**

- Application : cardiac

## TEE transducer



**MMPT3-7**

- Application : cardiac

\* Some of the transducers may not be available in some countries.