

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, 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.

\*Beyond Experience™ is not the name of a function, but is Samsung's marketing terminology.

\*Strain value for ElastoScan is not applicable in Canada and the United States.

# Simple yet powerful

## Ultrasound system HS50



Scan code or visit  
[www.samsunghealthcare.com](http://www.samsunghealthcare.com)  
to learn more



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CT-HS50 V2.0-GI-FT-180425-EN

**EXPERIENCE**  
A New Healthcare  
Solution

**SAMSUNG**

# Samsung's commitment to supporting confident decision making

Beyond Experience™, an integrated solution engineered to offer medical professionals a new and outstanding experience in diagnosis, delivers enriched views, advanced intelligence, and streamlined workflow. All of this combines to enable patient-centered care.

Samsung's HS50 ultrasound system has adopted this integrated solution in order to provide exquisite image quality and expert tools that enable you to focus on your specific needs.



Samsung  
Ultrasound System **HS50**



**BEYOND EXPERIENCE™**  
Samsung's commitment to supporting confident decision making

Advanced  
Intelligence



Enriched View



Streamlined  
Workflow

Patient-centered  
Care





# More Valuable Information

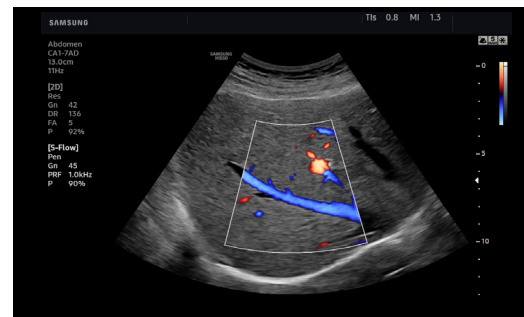
Samsung's advanced imaging technologies can provide new insights based on highly detailed images. This valuable information enables confident decision making.



## For more valuable information

### S-Flow™

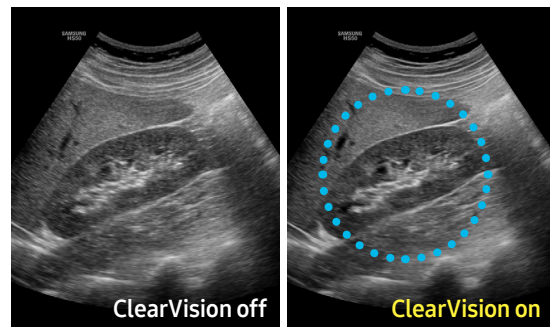
S-Flow™, a directional Power Doppler imaging technology, can help to detect even the peripheral blood vessels. It enables accurate diagnosis when blood flow examination is especially difficult.



Liver with S-Flow™

### ClearVision

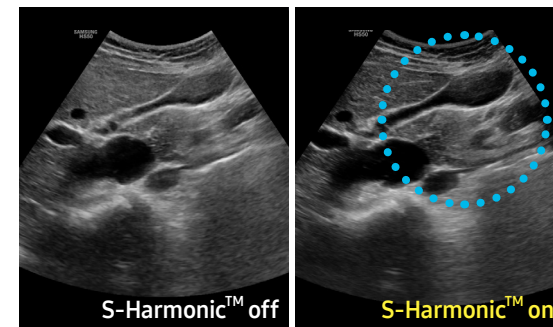
The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. ClearVision provides application-specific optimization and advanced temporal resolution in live scan mode.



Kidney\*

### S-Harmonic™

S-Harmonic™ using pulse inversion technology improves image clarity, near to far. By reducing signal noise, S-Harmonic™ provides more uniform ultrasound images.



Pancreas\*

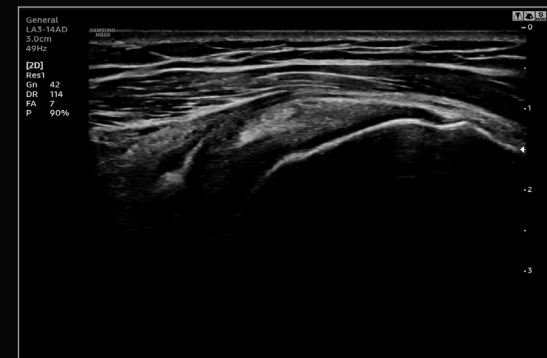
# Image gallery



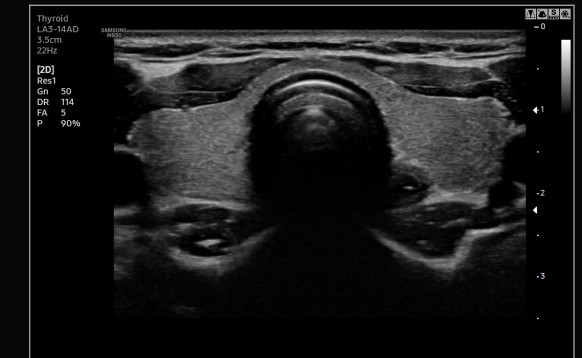
Liver



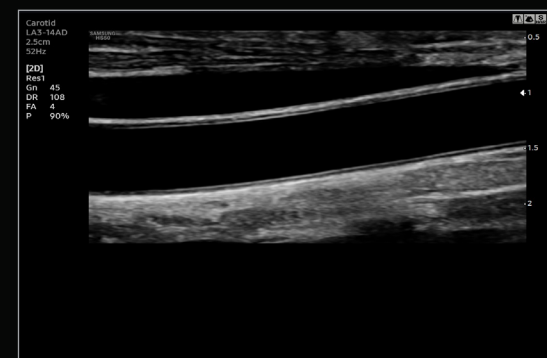
Pancreas



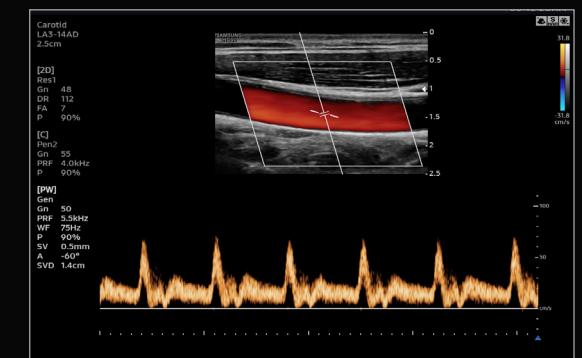
Shoulder



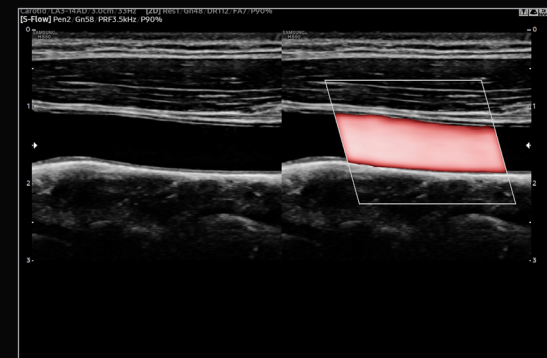
Thyroid



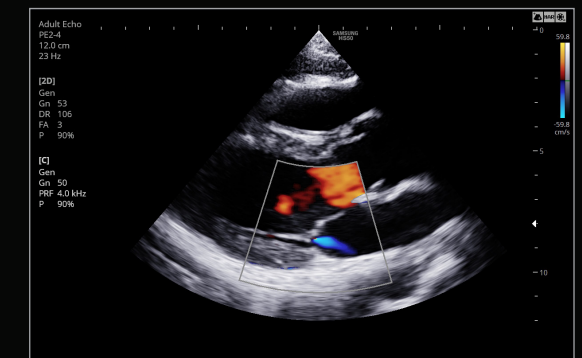
Carotid



Carotid with color & PW



Carotid with S-Flow™



Parasternal long axis view with color

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



# Increased Consistency

Thanks to its specially designed solutions, including an extensive range of quantification functions, the HS50 creates consistency to ensure accurate measurement.

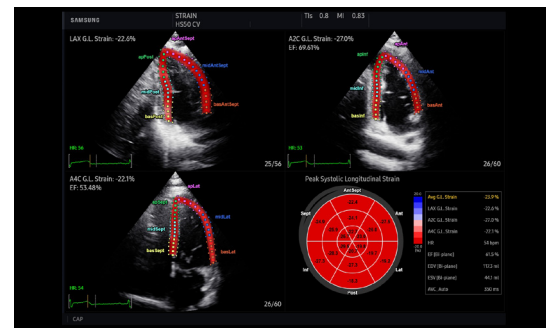


## For increased consistency

### Strain+

※ Optional Extra

Strain+ is a quantitative tool for measuring global and segmental wall motion of the left ventricle (LV). All the user has to do is draw three points, and then Strain+ will automatically contour the global and segmental wall and calculate strain data. In Strain+, three standard LV views and a Bull's Eye are displayed on a four part screen for easy and quick assessment of the LV function. Samsung's Strain+ increases diagnostic efficiency with a simple user interface, intuitive visualization, and helpful procedure guides.

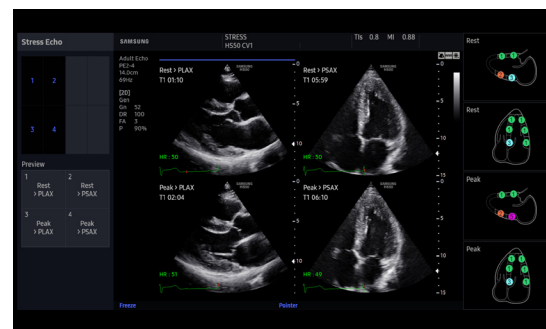


Adult echo

### StressEcho

※ Optional Extra

The StressEcho package includes wall motion scoring and reporting. It includes exercise StressEcho, pharmacologic StressEcho, diastolic StressEcho and user-programmable StressEcho.

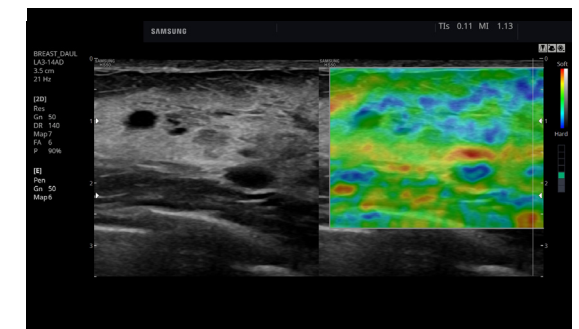


Adult echo

### ElastoScan™

※ Optional Extra

A diagnostic ultrasound technique for imaging elasticity, ElastoScan™ detects the presence of solid masses in tissues and converts any stiffness into color images.

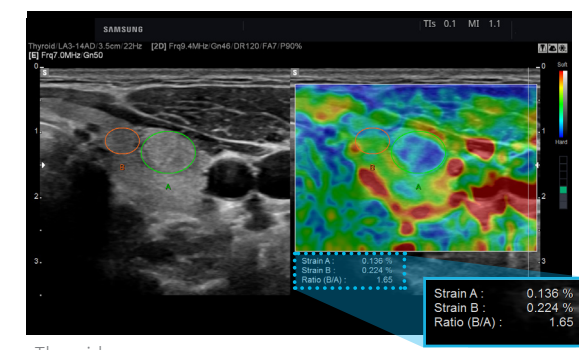


Breast \*

### E-Strain™

※ Optional Extra

E-Strain™ 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.



Thyroid

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



# Enhanced Efficiency

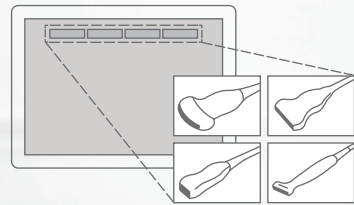
The HS50 has been designed to enhance efficiency through reducing keystrokes, enabling you to streamline your workflow by combining multiple actions into one. Its user-oriented design also enables you to focus on your patient, reducing the complexity and stress of operating the system.

## Streamlined Workflow

For enhanced efficiency

### 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.



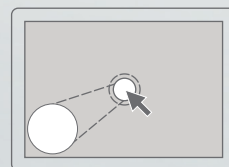
### EzCompare™

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.



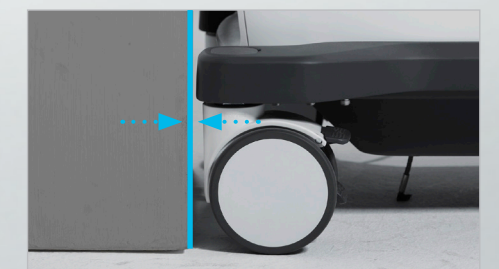
### BatteryAssist™

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, urology

## 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 : 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.