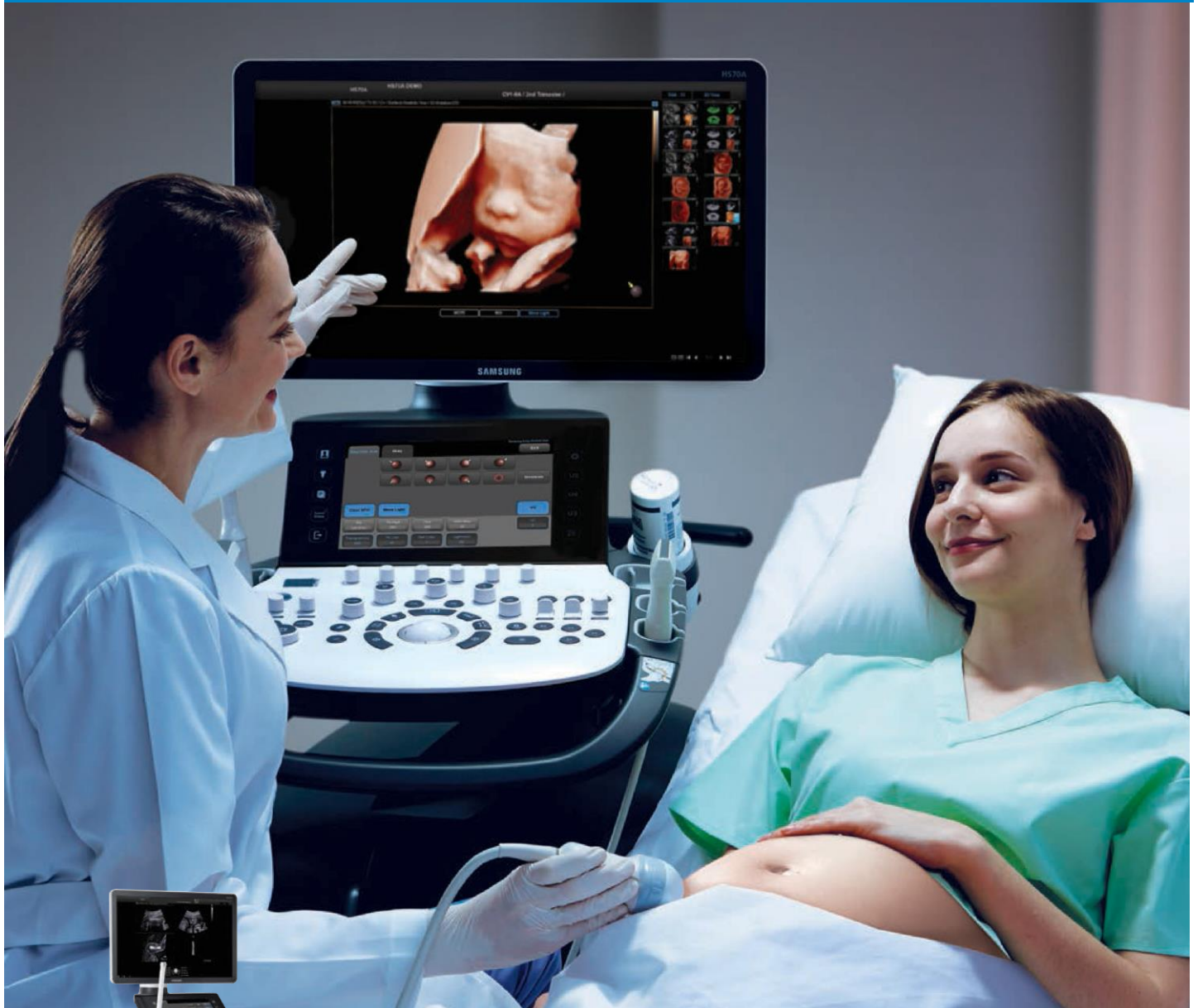


Daily inspiration

HS70A with Prime V2.0



SAMSUNG

Higher efficiency through user-inspired design

The HS70A was designed for hospital and private care - with you - the user in mind. The HS70A can be used in the departments of Radiology, OB, Internal Medicine, Vascular Surgery, Urology, Gynecology, Pediatrics, Orthopedics, and Emergency Medicine for:

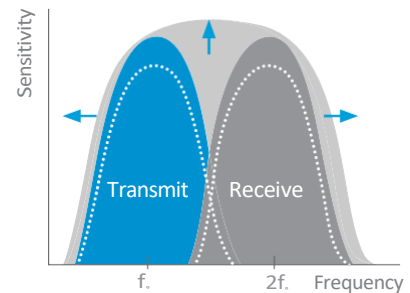
- Abdominal imaging
- Musculoskeletal imaging
- Small parts imaging
- Breast imaging
- Cardiac screening
- Vascular imaging
- Transcranial Doppler (TCD)

The high-quality image ensures greater efficiency and diagnostic confidence.



S-Vue™ transducers (CA2-9A, CV1-8A, CA1-7A, CA3-10A)

HS70A with Prime incorporates single crystal technology. Employing an innovative crystal design, S-Vue™ transducers provide more efficient piezoelectric properties, resulting in wider bandwidths that enable better penetration and higher quality resolution on even challenging patients.



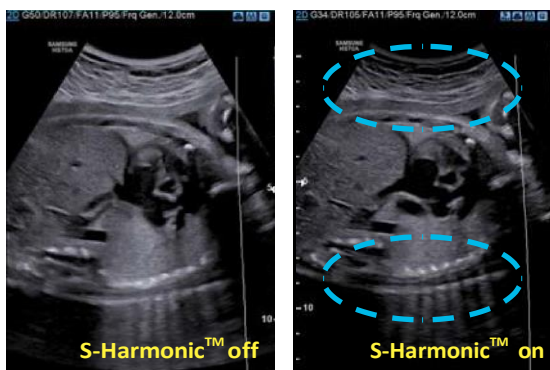
Fetal face



Fetal heart

S-Harmonic™

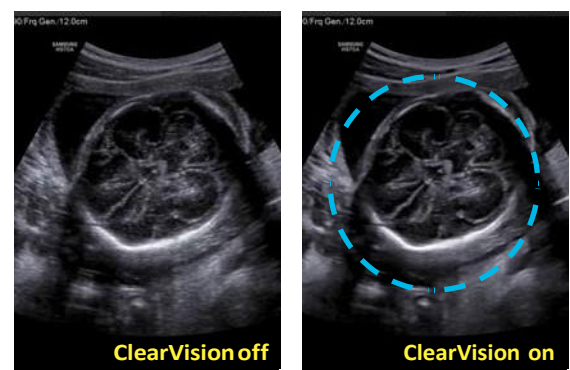
This new harmonic technology provides greater image uniformity from near to far field while reducing signal noise. Combined with S-Vue™ transducers and S-Vision™ imaging engine, S-Harmonic™ improves the image quality of HS70A with Prime.



Fetal thorax

ClearVision

The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. The integration of specialized Samsung technology results in a notable improvement in image quality. In addition, ClearVision provides application-specific optimization and advanced temporal resolution in live scan mode.



Fetal brain

5D advanced solutions

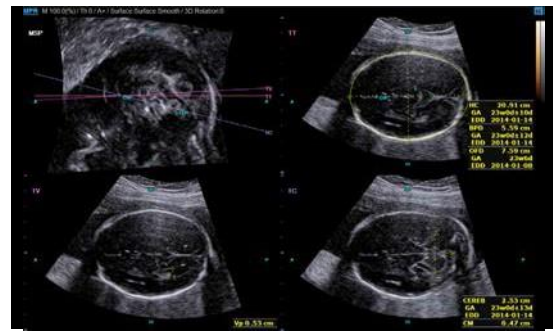
The semi-automated functions included in **5D advanced solutions** mean **less operator dependency and more efficient work**, which allows **higher patient throughput**. In addition, these solutions provide **reliable, high-quality exams** which enable you to make quick, accurate decisions.



5D CNS™

(Fetal brain measurement)

5D CNS™ offers 6 measurements (BPD, HC, OFD, Vp, TCD, CM) from 3 transverse planes of a fetal brain which are the key indicators for intuitive fetal brain visualization. It improves throughput with only a 2 click operation.



5D CNS™

5D LB™

(Fetal long bone detection)

5D LB™ efficiently locates, displays, and measures fetal long bones (Radius, Ulna, Humerus, Femur, Tibia, and Fibula) from within the 3D dataset, streamlining workflow while enhancing measurement reproducibility.



5D LB™

5D NT™

(Nuchal translucency measurement)

5D NT™ intelligent navigation simplifies the NT measurement process by locating the precise mid-sagittal plane in a single step. Semiautomatic measurements are then performed to improve NT accuracy and reduce examination time.

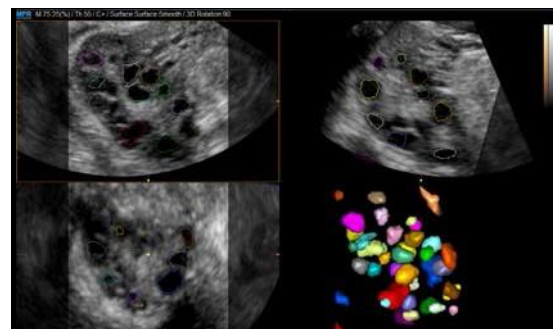


5D NT™

5D Follicle™

(Follicle measurement)

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



Follicle measurement with 5D Follicle™

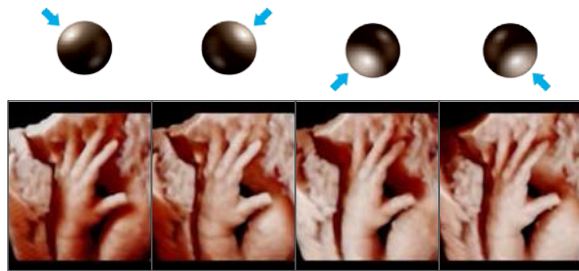
Quality 3D/4D rendering

With Samsung's advanced rendering technology, HS70A with Prime delivers **realistic images that contain valuable anatomical information** for precise obstetric evaluation.



Realistic Vue™

Realistic Vue™ displays high resolution 3D anatomy with details and realistic depth perception. User selectable light source direction creates intricately graduated shadows for better definition of anatomical structures.



Realistic Vue™ with different light source directions



Fetal hand

HDVI™

HDVI™ gives outstanding image quality with clearer contrast, excellent tissue differentiation, edge depiction and speckle reduction. It allows consistent diagnosis with great confidence.

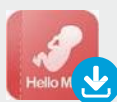


Fetal face

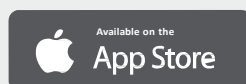


Hello Mom™

Hello Mom™ supports simple and secure transfer of fetal ultrasound images and clips wirelessly from the HS70A with Prime ultrasound system directly to an Android smartphone or iPhone application. These images can be shared easily with others.



Download the Hello Mom™ app on your smartphone.



※ Hello Mom™ is not an application for diagnosis.



Versatility for extensive diagnostic needs

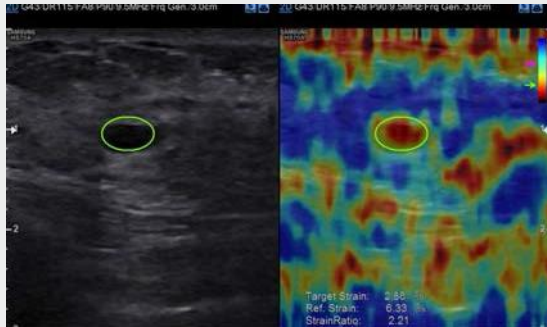
With its **advanced quantification tools**, the HS70A with Prime supports your knowledge and experience to **help you to make clear, confident decisions.**



ElastoScan™

E-Breast™ (ElastoScan™ for breast)

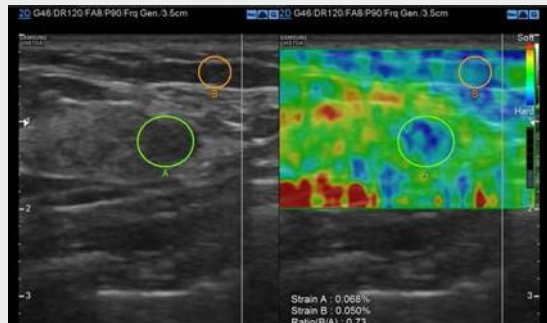
E-Breast™ technology calculates the strain ratio between the selected target and surrounding fatty tissues. E-Breast™ requires only one ROI to be selected by the user, therefore enhancing efficiency and consistency.



Breast Parenchyma

E-Strain™

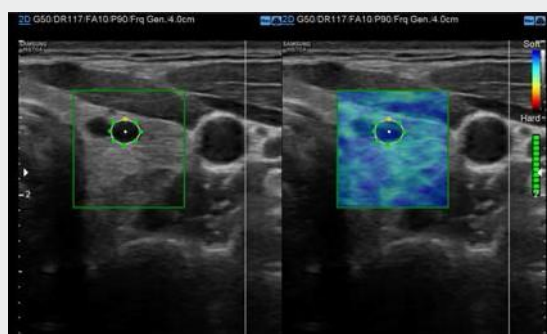
E-Strain™ is designed to enable quick and easy calculation of the strain ratio between two regions of interest for day-to-day practice. Simply by setting the two targets, you can receive accurate, consistent results and make informed decisions in many types of diagnostic procedures.



Breast (E-Strain™)

E-Thyroid™ (ElastoScan™ for thyroid)

An effective method for assessment and documentation of tissue stiffness, E-Thyroid™ may prove an effective adjunct to conventional grayscale imaging, often providing more defined visualization of tumor images.



Thyroid

Image gallery



Fetal foot at 24 weeks



Fetal face with Realistic Vue™



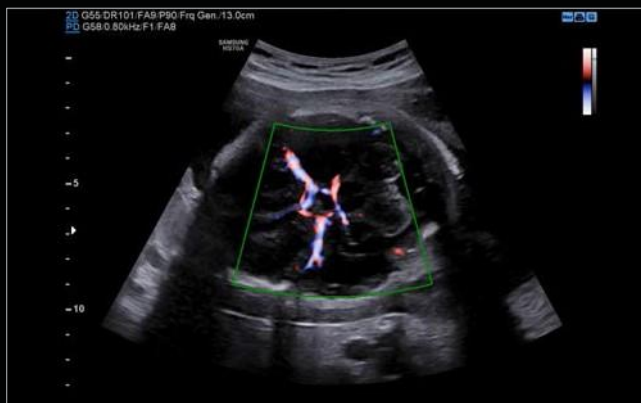
NT at 12 weeks



Fetal abdomen at 30 weeks



Fetal brain at 26 weeks



Fetal brain with S-Flow™



Fetal heart in 4 chamber view



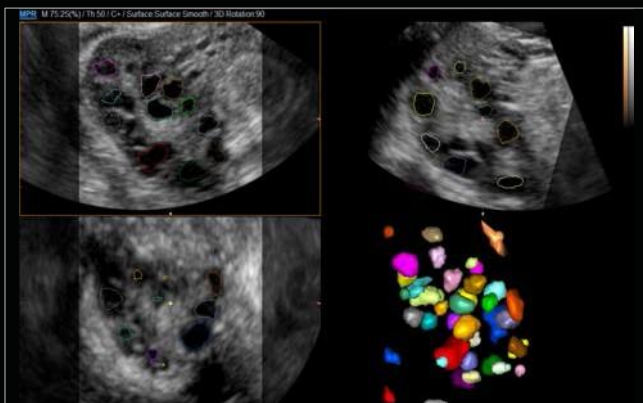
Fetal heart in aortic arch view



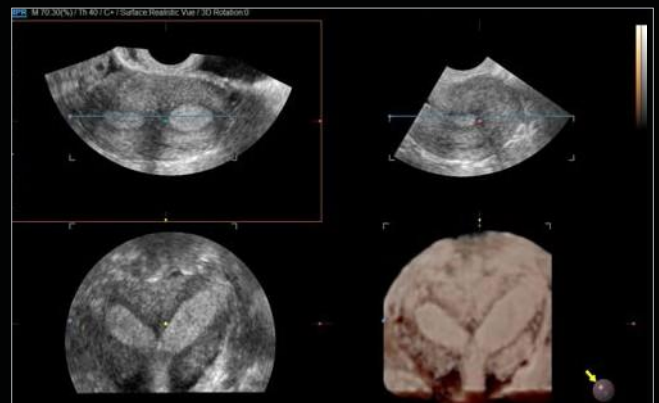
Fetal spine at 24 weeks



Umbilical artery with PW



5D Follicle™



Bicornate uterus

Intuitive, streamlined workflow

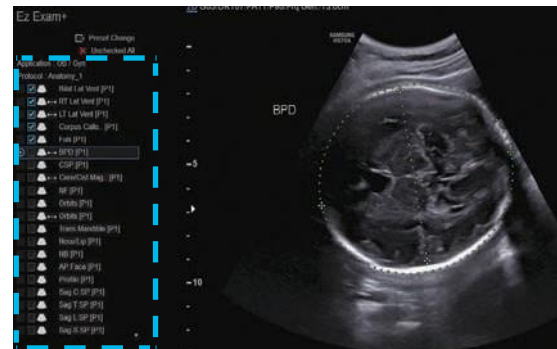
Quick Preset

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



EZ-Exam+™

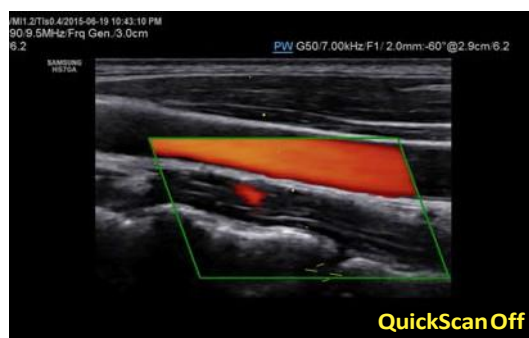
EZ-Exam+™ enables users to build or to use predefined protocols. It transforms the ultrasound investigation into a streamlined process. EZ-Exam+™ ensures the full investigation is performed, eliminating the risk of forgetting an image or loop capture, as well as measurement and transducer preset changes.



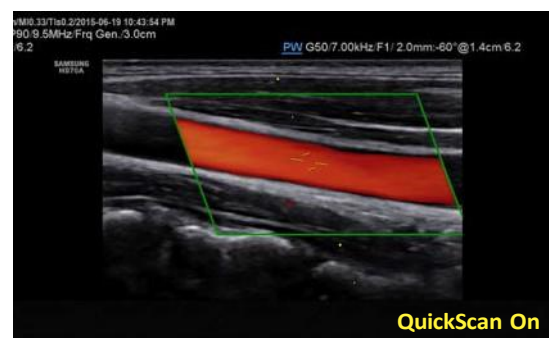
Set up display of EZ-Exam+™

Advanced QuickScan

Image optimization can be done simply with one touch of the QuickScan button. Samsung's advanced QuickScan technology provides intuitive optimization of both grayscale and Doppler parameters.



CCA



QuickScan On



23-inch Full HD LED monitor

- The HS70A with Prime features a 23-inch full HD LED monitor, delivering excellent contrast resolution, image clarity and vibrant color in any lighting condition.



10.1-inch touch screen

- The 10.1-inch touchscreen is highly sensitive, allowing an efficient interaction during the examination.



Gelwarmer

- Two-level adjustable gel warmer maintains ultrasound gel at a comfortable temperature.



Silent operation

- This exceptionally quiet device allows physical exams to be performed, including auscultation, while the ultrasound system is turned on.

Comprehensive selection of transducers

Curved array transducers



CA1-7A

- Application : abdomen, obstetrics, gynecology



CA2-8A

- Application : abdomen, obstetrics, gynecology



CA2-9A

- Application : abdomen, obstetrics, gynecology



CA3-10A

- Application : abdomen, obstetrics, gynecology



CF4-9

- Application : pediatric, vascular

Linear array transducers



LA4-18B

- Application : small parts, vascular, musculoskeletal



L3-12A

- Application : small parts, vascular, musculoskeletal



LA3-16A

- Application : small parts, vascular, musculoskeletal



LA2-9A

- Application : small parts, vascular, musculoskeletal, abdomen



LA3-16AI

- Application : musculoskeletal, intraoperative

TEE transducer



MMPT3-7

- Application : cardiac

CW transducers



DP2B

- Application : cardiac



DP8B

- Application : cardiac, vascular

Volume transducers



CV1-8A

- Application : abdomen, obstetrics, gynecology



V5-9

- Application : obstetrics, gynecology, urology



LV3-14A

- Application : small parts, vascular, musculoskeletal

Endocavity transducers



EA2-11B

- Application : obstetrics, gynecology, urology



E3-12A

- Application : obstetrics, gynecology, urology



VR5-9

- Application : obstetrics, gynecology, urology

Phased array transducers



PA4-12B

- Application : cardiac, pediatric



PE2-4

- Application : abdomen, cardiac, TCD



PA3-8B

- Application : abdomen, cardiac, pediatric

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-HS70Awith Prime V2.0-OB-FT-161010-EN

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