Relentless Innovation
for your diagnostic confidence

SAMSUNG

Mobile Excellence

HM70 EVO

Mobile Excellence

The HM70 EVO ultrasound system is a high-performance hand-carried ultrasound system, evolved to support a diverse range of applications and patients. The system has streamlined workflow, durability, and high resolution imaging that can be used in a variety of clinical situations. Samsung has harmonized the key aspects of the HCU to meet today's changing needs and provide healthcare professionals the confidence they need in their work environment.

Versatility
Supports various applications and patient types

Stability
Stable performance migrating Samsung cart-based imaging engine

Intuitiveness
Intuitive interfaces for enhanced usability

Durability
Stiffness improved by 38% for various environmental usage

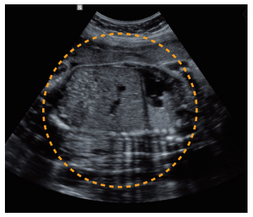
Mobility
Go almost a whole working day on a single charge

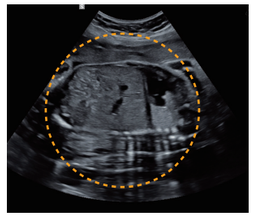
Imaging with exceptional quality

Exceptional image clarity and penetration is adapted from Samsung's high-end imaging platform to produce clear, uniform, high resolution 2D, 3D and color images. The HM70 EVO delivers sophisticated imaging technologies to empower ultrasound professionals with diagnostic confidence wherever needed.

Noise reduction filter to improve 2D image quality

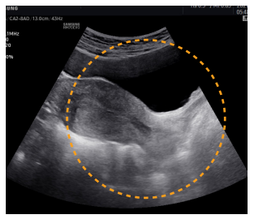
The noise reduction filter improves edge enhancement and creates sharp 2D images for optimal diagnostic performance. In addition, **ClearVision** provides application-specific optimization and advanced temporal resolution in live scan mode.

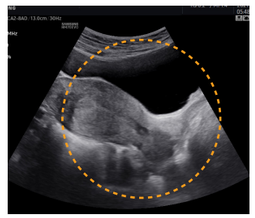

Fetal abdomen


Fetal abdomen with ClearVision

Uniform imaging performance of overall image area from near-to-far

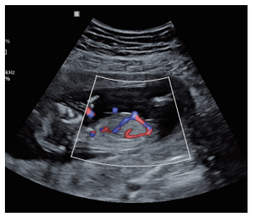
S-Harmonic™ mitigates the signal noise, enhances contrast, and provides uniform image performance of overall image area from near-to-far.

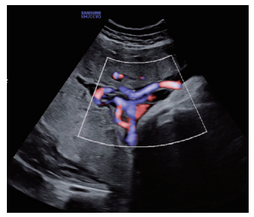

Uterus


Uterus with S-Harmonic™

Directional power Doppler to examine peripheral vessels

S-Flow™ uses directional power Doppler technology, enabling you to examine even the peripheral vessels. It displays information on the intensity and direction of blood flow.


Fetal circulation


Umbilical cord

3D anatomy imaging technology with detailed and realistic expression

RealisticVue™ [1] 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.

Visualize internal and external structures by volume rendering

CrystalVue™ [1] is an advanced volume rendering technology that enhances visualization of both internal and external structures in a single rendered image using a combination of intensity, gradient and position.


1st trimester


Fetal face

Increased Operational Efficiency

The simple, intuitive interfaces enable users to immediately get to work in emergency situations. The HM70 EVO is engineered to provide the most direct interfaces and smooth actions from anywhere, avoiding delays caused by configuration. Samsung has considered even the smallest details of usability to support users with the exceptional possible performance.

Intuitively tuned interfaces

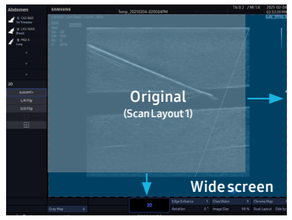
Intuitive buttons and screen layouts are optimized to express information clearly and enable complex actions to be simply performed.

Storage popup icon

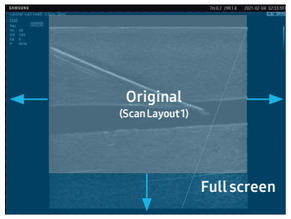
Battery popup icon

View images and cines in full screen

In the Full screen mode, the ultrasound examination can be performed while viewing the image/cine that is fully expanded to the entire monitor.



Wide screen (Scan Layout 2)



Full screen

Quickly exam even in an emergency case

In case of emergency, the **QuickExam** function allows to begin an exam with a temporary ID and patient information can be modified after the exam.

Save image data directly to USB memory

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

Select your transducer and preset combination with one touch

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.

Build predefined protocols to ensure every step is followed every time

EzExam+™ [1] ensures the full investigation is performed, eliminating the risk of forgetting an image or loop capture, as well as measurement and transducer preset changes.

Provide valuable reference tool to help in scanning

EzAssist™ [1] allows clinicians to practice procedures using valuable reference materials such as clinical reference images and animation.

Simple and secure transfer of fetal ultrasound images and clips

HelloMom™ is an image-sharing solution that generates QR codes for the selected fetal images. Pregnant women and families are capable of downloading images of fetuses by scanning on the QR code using smart devices, reducing the hassle of installing a separate application.

Highly Usable Design

The wave pattern of the exterior surface and the honeycomb structure of the internal design communicate strength and confidence to the healthcare professionals. The magnesium case surrounding the system and enhanced battery performance offer true usability and endurance.

Protect your system against damage from knocks and drops with the durable cover

Considering the importance of durability in a system that needs to be moved frequently, exterior wave pattern and interior honeycomb structure have been incorporated in the design to improve the rigidity of the casing by 38%*.

* Compared to the Samsung ultrasound HM70A.

Protect your system from dust, liquids, and other contaminants with KeySkin [1]

7.5 hours

1 Go almost a whole working day on a single charge [1,3]

The battery lasts approximately 7.5 hours with the extended power pack. This is more than 100% longer than the previous model, expanding its deployment range.

2 Connect up to 3 transducers and save your time from switching over transducers [1]

You can connect up to three transducers at once using the extended transducer ports on the optional cart, saving time and effort spend switching transducers in situations where every second counts.

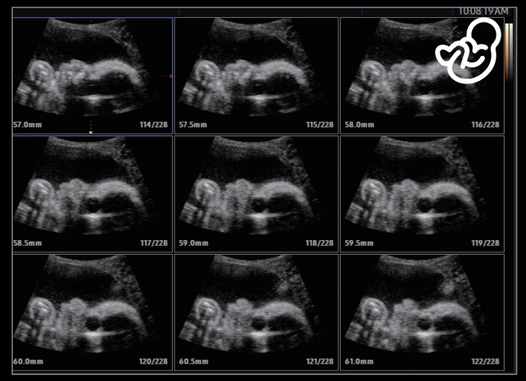
3 Convenient carrying case safely protects the system with shockproof cushion [1]

The carrying case allows you to safely and conveniently move your whole package including ultrasound system, transducers, and other accessories.

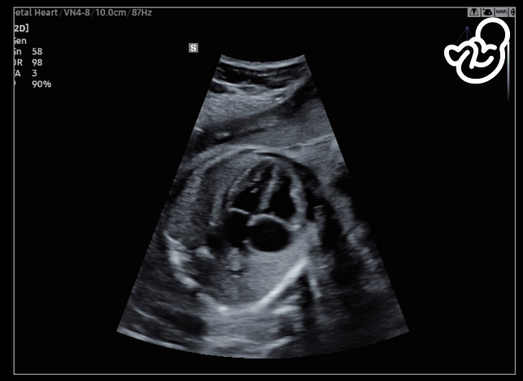
Available in Various Clinical Environment

Obstetrics | Gynecology | Breast | Emergency | Small Parts

The HM70 EVO supports a wide range of clinical applications, environments, and patient types—including obstetrics, gynecology, breast, emergency, and small parts. The origin, performance, and adaptability make the compact system ideal for almost any clinical situations beyond obstetrics and gynecology. The versatility enables healthcare professionals to perform effectively on targeted examinations.

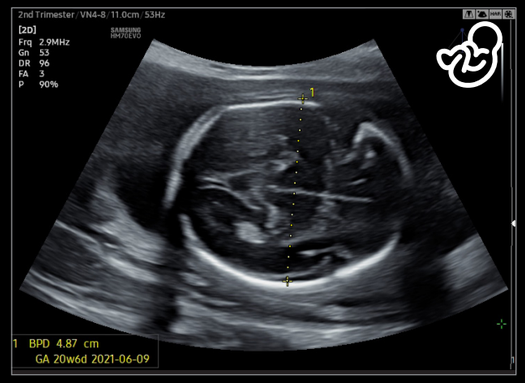


Fetal face with MSV™

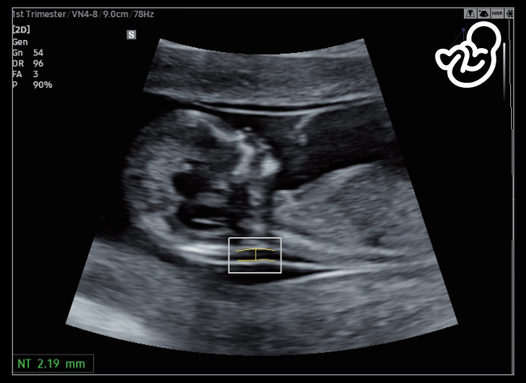


Fetal heart with ClearVision

AC measurement with BiometryAssist™

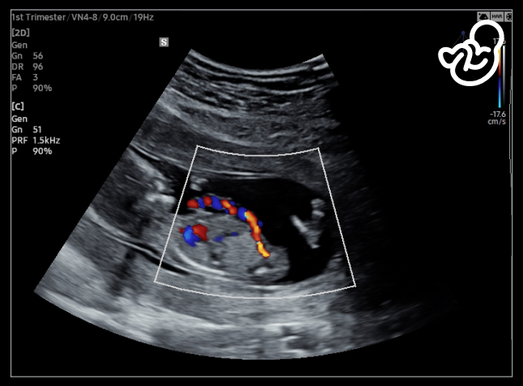


BPD measurement with BiometryAssist™

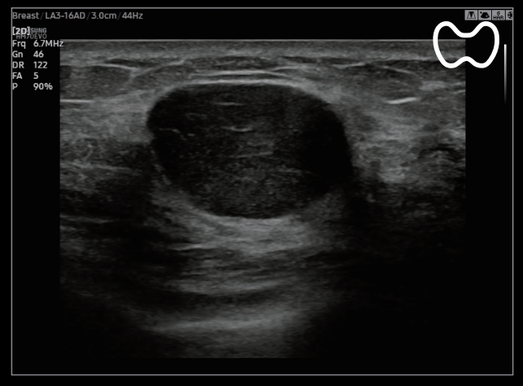


NT measurement with 2D NT [1]

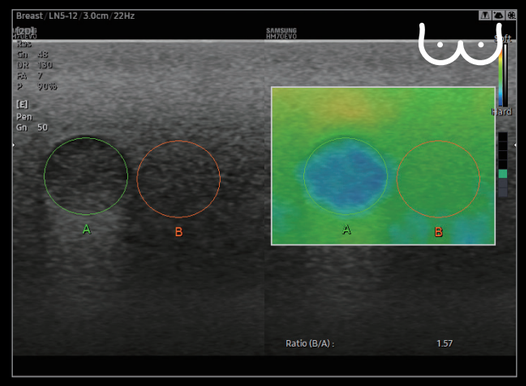
Fetal face with S-Harmonic™



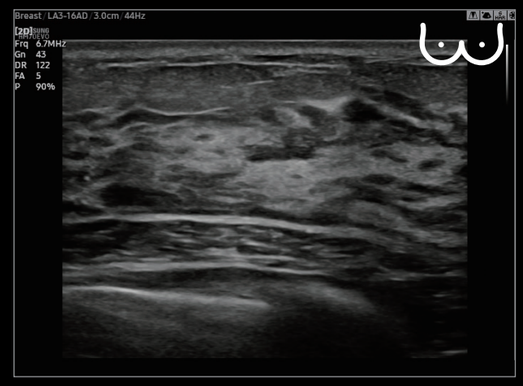
Umbilical cord



Breast mass with ClearVision



Strain ratio calculation with E-Strain™ [1, 2]



Breast in 2D

Comprehensive selection of transducers

Curved array transducers

CA1-7AD
Abdomen, gynecology, pediatric, musculoskeletal, vascular, urology, emergency

C2-8
Abdomen, obstetrics, gynecology, pediatric, musculoskeletal, vascular, urology

CA2-8AD
Abdomen, obstetrics, gynecology, pediatric, musculoskeletal, vascular, urology, emergency

CA4-10M
Pediatric, vascular, abdomen, obstetrics, gynecology, musculoskeletal, urology, emergency

Endocavity transducer

EVN4-9
Obstetrics, gynecology, urology

Linear array transducers

LA3-16AD
Small parts, vascular, musculoskeletal, abdomen, obstetrics, gynecology, pediatric, emergency

LN5-12
Small parts, vascular, musculoskeletal, abdomen, obstetrics, gynecology, pediatric

LA2-9S
Abdomen, obstetrics, gynecology, musculoskeletal, small parts, vascular, pediatric

Volume transducers

VN4-8
Abdomen, obstetrics, gynecology, musculoskeletal, pediatric, vascular, urology

EV2-10A
Obstetrics, gynecology, urology

Phased array transducer

PA1-5A
Abdomen, cardiac, vascular, pediatric, TCD, emergency

SP3-8
Abdomen, cardiac, vascular, pediatric, TCD, emergency

PN2-4
Abdomen, cardiac, vascular, pediatric, TCD, emergency

CW transducer

DP2B
Cardiac, vascular

TEE transducer

MMPT3-7
Cardiac

* This product, features, options, and transducers are not commercially available in all 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. Strain value for ElastoScan+™ is not applicable in Canada and the United States.
3. It is assumed that the average working hours per day is 8 hours. This is based on internal study and compared to the previous model, HM70A
   The 7.5 hours of battery life is the combined battery life of the system and extended power pack.
4. S-Vue Transducer™ is the name of Samsung's advanced transducer technology.

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SAMSUNG MEDISON CO., LTD.

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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.