

Mobile Excellence

Ultrasound System

HM70 EVO for Women's Health



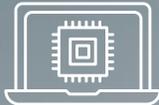
Mobile Excellence

The HM70 EVO ultrasound system is a high-performance hand-carried ultrasound system, designed to support a diverse range of applications and patients. The HM70 EVO has streamlined workflow, durability, and high resolution imaging that can be used in a variety of clinical situations.



Versatility

Supports various applications and patient types



Stability

Stable performance migrating Samsung cart-based imaging engine



Intuitiveness

Intuitive interface for enhanced usability



Durability

Reinforced container for use in tough environments



Mobility

Go almost a whole working day on a single charge



Imaging with exceptional quality

Exceptional image clarity and penetration is adapted from the imaging engine migrated from cart-based Samsung ultrasound systems 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.

ClearVision™

Clear Vision is an advanced image processing technology designed to enhance contrast resolution and sharpen tissue interfaces for more confident image assessment.



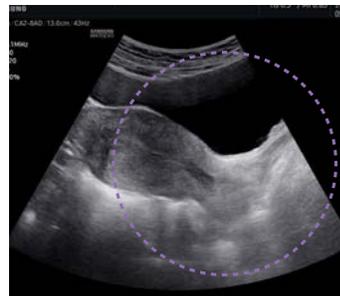
Fetal abdomen



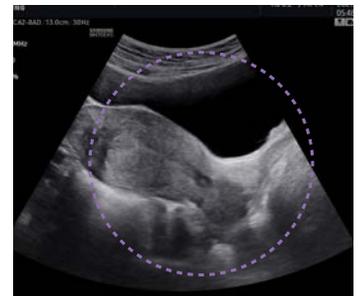
Fetal abdomen with ClearVision

S-Harmonic™

This new harmonic technology provides greater image uniformity from near to far field while reducing signal noise.



Uterus



Uterus with S-Harmonic™

Directional Power Doppler

Enables examination of the peripheral vessels, displaying information on the intensity and direction of blood flow.



Fetal circulation



Umbilical cord

RealisticVue™

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. From detailed understanding of complex pathology to patient consultation and education, RealisticVue is a versatile and important tool for effective diagnostics and communication.



1st trimester



Fetal face

CrystalVue™

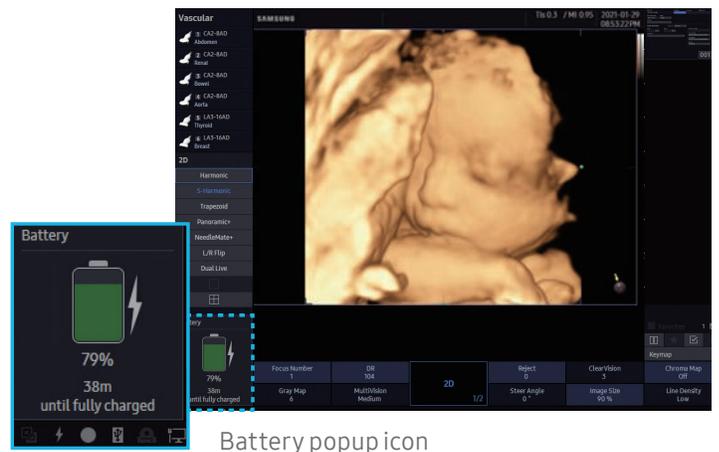
CrystalVue™ is an advanced volume rendering technology that enhances visualization of both internal and external structures in a single rendered image using a combination of intensity, gradient and position.

Increased efficiency

The intuitive interfaces enable users to work efficiently. The HM70 EVO is engineered with a streamlined workflow, developed with the smallest of details in mind to provide users with ease-of-use, as well as exceptional imaging performance.

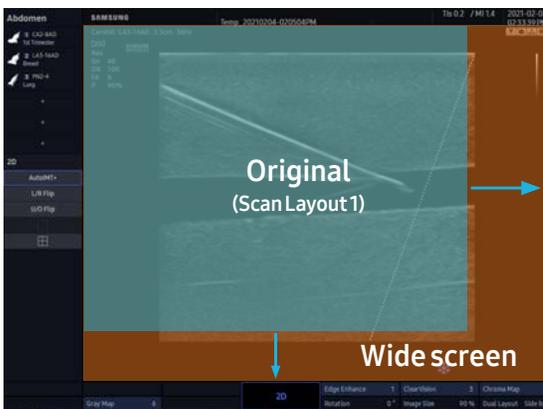
Intuitively tuned interfaces

Intuitive buttons and screen layouts are optimized to display information clearly and enable complex actions to be easily executed.

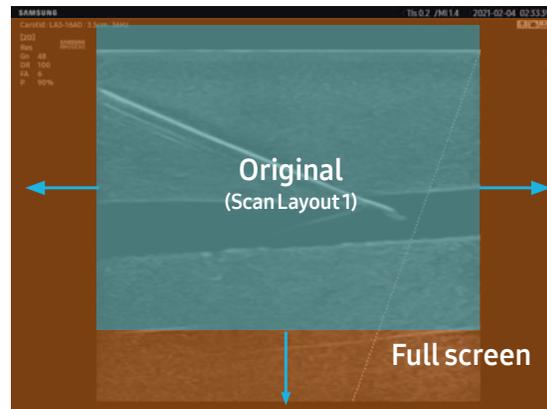


View images and cines in full screen

Full Screen Mode enables additional functionality to include color, freeze and print/store.



Wide screen (Scan Layout 2)



Full screen



QuickPreset™

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

QuickScan™

In a time sensitive situation, an exam can be started with a temporary ID and patient information can be modified after the exam.

QuickSave™

QuickSave™ function allows image data to be saved directly onto a USB drive during the exam.

NeedleMate+™

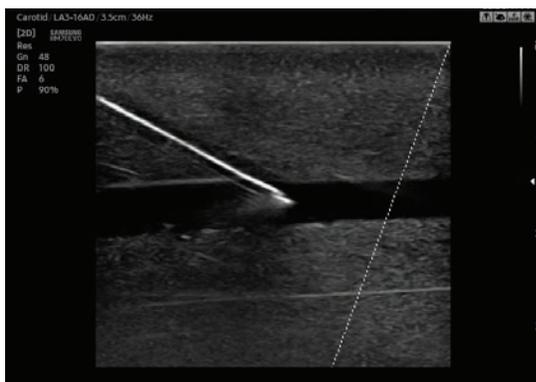
NeedleMate+ dramatically enhances needle visualization when performing commonly used intervention procedures.

Beam Steer allows the linear ultrasound image to be steered and improves needle visibility when the angle of insonation and the needle are perpendicular to each other.

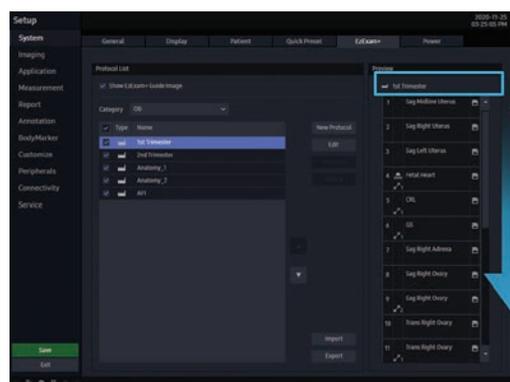
EzExam+™

EZ-Exam+ transforms the ultrasound examination into a well-organized streamlined process. EZ-Exam+ enables the user to create an efficient diagnostic environment storing optimized and preferred protocols within the EZ-Exam+ function control.

*Optional Feature



NeedleMate+



Suitable for Tough Environments

The wave pattern of the exterior and the honeycomb structure of the interior provide a rugged and durable design. The magnesium case surrounding the system and enhanced battery performance offer enhanced usability and endurance.

Protects the system against damage from knocks and drops with the durable cover

Durability in a system that needs to be moved frequently is essential. The exterior wave pattern and interior honeycomb structure have been incorporated in the design to improve the rigidity of the casing.



5 hours

1 Extended Power Pack

The system battery lasts approximately 75 minutes. The Extended Power Pack provides an additional 240 minutes (dependent upon user environment).

*Optional Feature

2 3 Probe Port Connections

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

*Optional Feature



Shockproof Cushioned Carrying Case

The carrying case allows you to safely and conveniently transport the ultrasound system, transducers, and other accessories.

*Optional Feature





Clinical Versatility

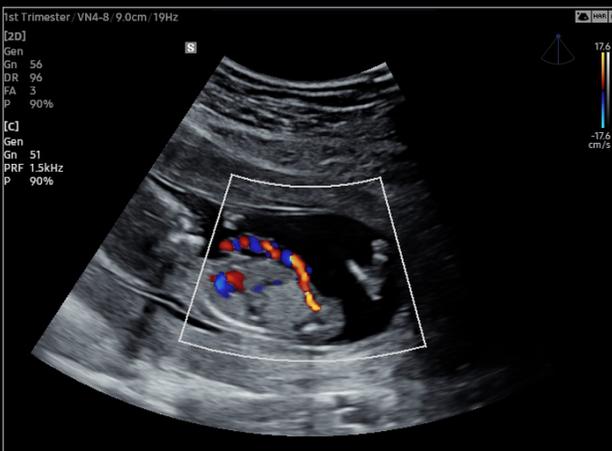
The HM70 EVO's compact design is ideal for almost any mobile clinical environment. Its performance supports a wide range of clinical applications—including obstetrics, gynecology, breast, and small parts.



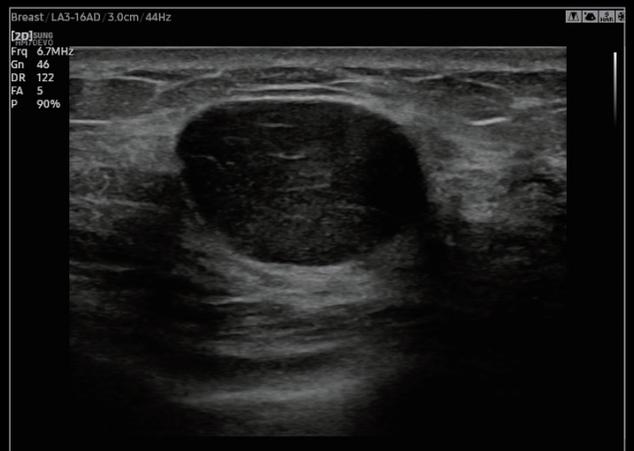
AC measurement with BiometryAssist™



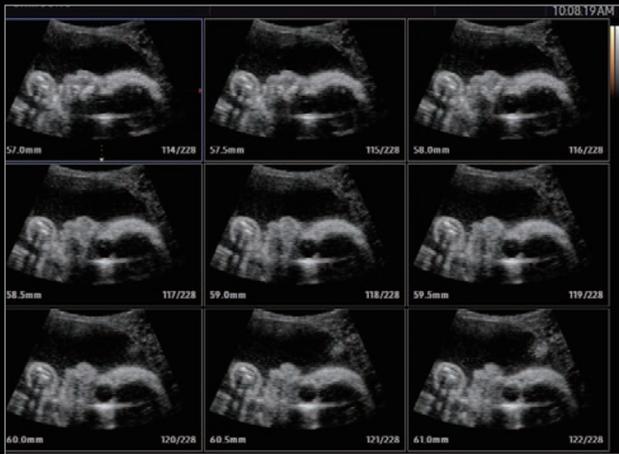
BPD measurement with BiometryAssist™



Umbilical cord with Color Doppler



Breast mass with Clear Vision™



Fetal face with Multi-Slice View™



Fetal heart with Clear Vision™



NT measurement with 2D NT



Fetal face with S-Harmonic™



Strain ratio calculation with E-Strain™



Breast with S-Harmonic™



Powered by CrystalLive™



CrystalLive™ is Samsung's proprietary ultrasound imaging engine with enhanced 2D image processing, 3D rendering and color signal processing, to offer outstanding image performance and efficient workflow during complex cases.

Secure your care

Samsung Healthcare Cybersecurity

Bringing peace of mind to your hospital and patients

To address this 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. Samsung's Cybersecurity Solution strives to abide by the CIA triad (Confidentiality, Integrity, and Availability) and takes a comprehensive approach to providing impeccable protection with the following pillars: Intrusion prevention, Access control, and Data protection.



Intrusion Prevention

Security tools (Anti-virus & Firewall)
Windows 10



Access Control

Account management
Audit log



Data Protection

Data encryption
EMR/DICOM Secure Transmission

Comprehensive selection of transducers

Curved array transducers



CA1-7AD

- Application : abdomen, obstetrics, gynecology, musculoskeletal, pediatric, vascular, urology



CA2-8AD

- Application : abdomen, obstetrics, gynecology, pediatric, musculoskeletal, vascular, urology,



CA4-10M

- Application : abdomen, obstetrics, gynecology, musculoskeletal, pediatric, vascular, urology

Endocavity transducer



EVN4-9

- Application : obstetrics, gynecology, urology

Linear array transducers



LA3-16AD

- Application : small parts, vascular, musculoskeletal, abdomen, obstetrics, gynecology, pediatric



LN5-12

- Application : small parts, vascular, musculoskeletal, abdomen, obstetrics, gynecology, pediatric

Volume transducer



VN4-8

- Application : abdomen, obstetrics, gynecology, musculoskeletal, pediatric, vascular, urology



EV2-10A

- Application : obstetrics, gynecology, urology

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