

Secure your care

Samsung Healthcare Cybersecurity

Bringing peace of mind to your hospital and patients

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. 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

Tools for protecting against cyber threats from external attacks

- Security tools include Anti-virus & Firewall
- Secured operating system



Access control

Strengthened surveillance for tracking the access of patient information

- Account management
- Enhanced audit trail



Data protection

Encryption functions for safeguarding data whether at-rest or in-transit

- Data protection
- Transmission security

About Samsung Medison CO., LTD.

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.

* Plus is a package for HM70A and does not refer to any particular function.

* S-Vue Transducer™ is not the name of a function, but is the name of Samsung's advanced transducer technology.

* This product, features, options and transducers are not commercially available in all countries.

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

* This product is a medical device, please read the user manual carefully before use.

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CE 0123

Mobile excellence

Ultrasound system HM70A with Plus



CT-HM70A 0B V3.0-FTW-191015-EN

Scan code or visit
www.samsunghealthcare.com
to learn more



EXPERIENCE
A New Healthcare
Solution

SAMSUNG

Deliver excellence wherever you go

Featuring advanced imaging technology incorporated into compact hardware, the HM70A with Plus is the right choice for physicians and sonographers who want to deliver excellence in patient care and clinical efficiency wherever they go. The HM70A with Plus helps make ultrasound exams and ultrasound-guided procedures more accurate and streamlined with its image performance and efficient, easy-to-use features. The HM70A with Plus' slim and compact design offers versatile portability and increases productivity.



Excellent image quality

High-quality images are critical for physicians using ultrasound in any clinical environment and are the key to an accurate diagnosis. The HM70A with Plus integrates intelligent imaging technologies to fulfill a wide range of needs with excellent image quality.



15-inch LED monitor

The monitor provides high performance, delivering exquisite detail resolution for more accurate diagnosis.

ClearVision

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

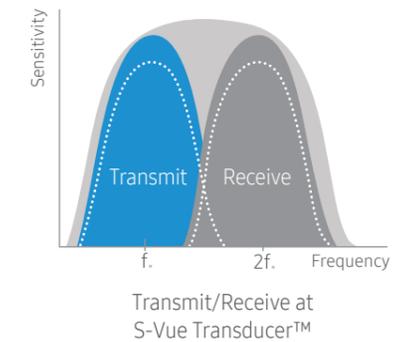
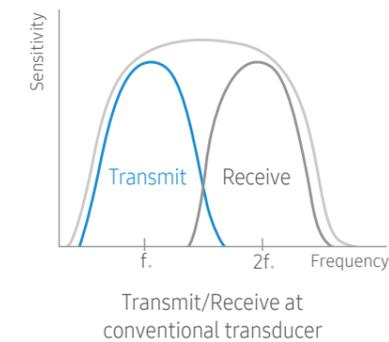
S-Flow™

The function uses directional power doppler technology, enabling you to examine even the peripheral vessels. It displays information on the intensity and direction of blood flow.

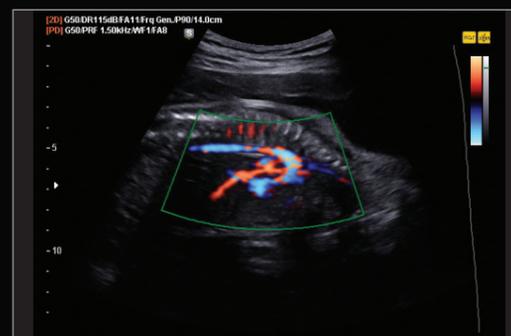
DPDI Mode: When it is selected, the PRF value is displayed on the color bar.

S-Vue Transducer™ (CA1-7AD, CA2-9AD) *

S-Vue Transducer™ provides more efficient piezoelectric properties, resulting in wider bandwidths that enable better penetration and higher quality resolution.



Fetal brain with ClearVision



Aortic arch view with S-Flow™

* Optional Extra

Excellent 3D imaging solutions

Samsung is dedicated to developing 3D/4D ultrasound technologies for thorough patient care. These advanced technologies are built into the HM70A with Plus, a compact and smart system.



HDVI™ *

HDVI™ is a volume rendering technology that improves visualization of edges and small structures in volume data.

3D XI *

Comprised of a suite of outstanding imaging applications (Multi-Slice View, Oblique View, and XI VOCAL), 3D XI offers precise control over 3D/4D volume data manipulation to improve diagnostic accuracy

MagiCut

With MagiCut, users can digitally erase any object that hides the desired 3D image. This easy-to-use, user-controlled feature quickly eliminates a specific target within the volume; the erased information can be easily recovered by reversing the action.

Volume NT *

Volume NT can determine the mid-sagittal plane and measure the fetal NT (nuchal translucency) and IT (intracranial translucency) thicknesses from volume data. This makes exams more consistent by reducing dependency on measurements.

SFVI

SFVI (smart filter volume imaging), a digital signal filtering technology, improves 3D image quality with the touch of a button.

- Clear SFVI removes unwanted noise, resulting in clear images
- Detailed SFVI sharpens border definition on 3D images



Fetal NT thickness measured with Volume NT



19 week fetus with SFVI

Image gallery



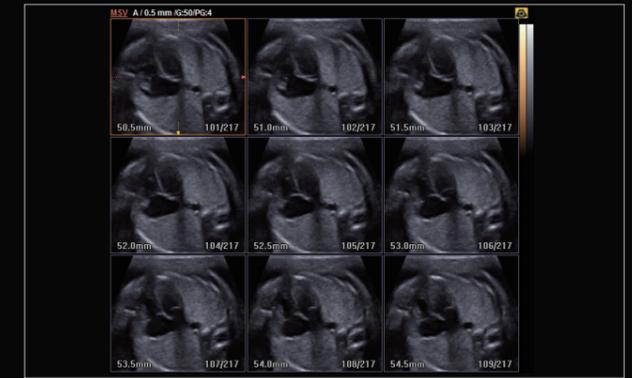
Fetal abdomen



Fetal abdomen



Umbilical cord



Fetal heart with MSV



Fetal heart



Fetal spine



1st trimester fetal 3D



2nd trimester fetal face 3D



Fetal brain



Fetal gender



Fetal face in 3D mode



3rd trimester fetal hand 3D

A variety of tools to increase efficiency

Reducing patient exam time is critical in increasing clinical efficiency. The time-saving tools are built into the HM70A with Plus to help increase patient throughput so physicians can maintain optimal productivity while finding solutions for challenging cases.



Fast booting

SSD technology enables powering on in 85 seconds from the powered off state, and in approximately 25 seconds from the sleep mode. With the setup utility, users can program the system to wake upon opening the lid or pressing the power button.

* The booting times mentioned in the above sentences are based on internal tests, they could be changed on user pattern.

ADVR™ *

ADVR™ technology permits the simultaneous scanning and recording of an ultrasound study. The simultaneous recording can be done on an external USB device.

* Optional Extra

QuickScan™

QuickScan™ technology provides intuitive optimization of gray scale and Doppler parameters. One touch of the QuickScan™ button elevates efficiency and workflow by adjusting functions including color gain and color box location.

EzExam+™

EzExam+™ enables you to build or use a predefined protocol, and assign protocols for examinations that are regularly performed in the hospital in order to reduce the number of steps that you have to go through. For fetus diagnosis, in particular, you can arrange the examination order according to the fetus position using the touchscreen, and automatically apply the BodyMarker, Annotation, Measurement, etc.

Comfort in use

The HM70A with Plus is comfortable for users because it adapts to the varying needs of physicians and sonographers with excellent ergonomics, mobility, and time-efficient features. In addition, Samsung's design principles give it a clean, slim appearance in the clinic.



Carrier package *

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

* Optional Extra

Samsung standard cart *

1 Front handle *

Users can transport the system on the optional cart or carry it by hand for easy mobility and effortless maneuverability.



2 Side storage *

The side storage is ideal for storing a tablet, patient charts, or other items that you need to keep close at hand.



3 Extended transducer ports *

Users can connect up to three transducers with the optional extended transducer ports on the optional cart, saving the time and labor spent on switching transducers.



4 Key Skin *

Protect your investment in the HM70A with Plus against contaminants with the control panel cover.



5 Extended battery *

Users can use the optional rechargeable battery for long-term operation. The extended battery supports approximately 3 hours of system operation when it is fully charged.



The battery time is based on internal tests, it could be changed based on user pattern.

Premium cart *

With its higher stability HM70A with Plus' premium cart offers more convenient options that provide users with easy mobility and effortless maneuverability.

* Compared with the Samsung standard cart.



* Optional Extra



Versatile selection of transducers

Curved array transducers



CA1-7AD

- Application: abdomen, obstetrics, gynecology, musculoskeletal

CA2-9AD

- Application: abdomen, obstetrics, gynecology

C2-6

- Application: abdomen, obstetrics, gynecology

CF4-9

- Application: vascular, pediatric

Volume transducers



VN4-8

- Application: abdomen, obstetrics, gynecology

V5-9

- Application: obstetrics, gynecology, urology

Linear array transducers



L4-7

- Application: abdomen, musculoskeletal, small parts, vascular

LA3-16AD

- Application: small parts, vascular, musculoskeletal

LS3-14B

- Application: small parts, vascular, musculoskeletal

L7-16

- Application: small parts, vascular, musculoskeletal

LS6-15

- Application: intraoperative, musculoskeletal

CW transducer



DP2B

- Application: cardiac

TEE transducer



MMPT3-7

- Application: cardiac

Phased array transducers



PE2-4

- Application: abdomen, cardiac, TCD

P3-8

- Application: abdomen, cardiac

P4-12

- Application: cardiac, pediatric

Endocavity transducer



EVN4-9

- Application: obstetrics, gynecology, urology