Samsung Medison is a global leading medical devices company.
Founded in 1985, the company now sells cutting-edge medical devices including diagnostic ultrasound, digital X-ray and blood analyzer around the world. The company has attracted global attention in the medical field with its R&D capabilities and advanced technologies. In 2011, Samsung Medison became an affiliate company of Samsung Electronics, integrating its IT, image processing, semiconductor and communication technologies into medical devices.

CT-HM70A V1.01 GI-FTW-141203-EN

S-Vue stands for Samsung smart transducer technology which supports broader bandwidth and higher sensitivity.

Scan code or visit
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to learn more

SAMSUNG MEDISON CO., LTD.

Samsung Ultrasound HM70A

Excellence on the move

SAMSUNG

product
design award
2013

Deliver excellence wherever you go

Featuring the advanced imaging technology incorporated in a compact hardware, the new HM70A is the smart choice for physicians and sonographers who want to deliver excellence in clinical efficiency and patient care wherever they go. The HM70A assists greatly in making ultrasound exams and ultrasound-guided procedures more accurate and simple with its image performance and efficient, easy-to-use features. Furthermore, the HM70A offers versatile portability through its slim and compact design, thus reinforcing the productivity of the users' clinical environments.

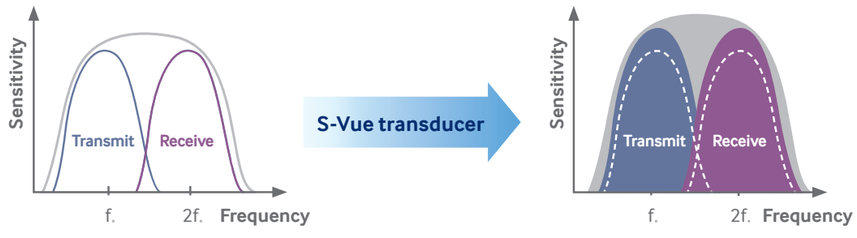
Hybrid imaging engine

With this advanced technology, data is processed more quickly and accurately through optimized processing, thereby enabling more in-depth, detailed scanning with a higher energy output.

S-Vue transducer

CA1-7AD

The S-Vue transducer provides broader bandwidth and higher sensitivity. This allows to deliver high image resolution even with the technically challenging patients. In addition, the ergonomically designed and lightweight transducer enables users to experience less fatigue.



*Compared with the conventional Samsung transducers

Uncompromised image quality

High quality image is the key to accurate diagnosis and of importance for physicians using ultrasound in any clinical environment. Integrating intelligent imaging technologies that enable users to achieve accurate diagnosis, the HM70A fulfills a wide scope of imaging needs with its high quality image.

15-inch LED monitor

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

SDMR™

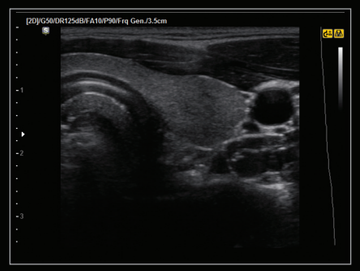
SDMR™ virtually eliminates unwanted speckle noise, providing excellent contrast resolution with enhanced edge definition for unsurpassed image clarity.

S-Flow™

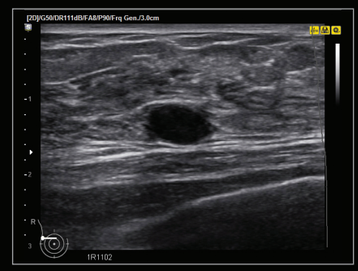
S-Flow™, a sophisticated color Doppler technology with greater sensitivity, can help to detect even the small peripheral blood vessels. It enables accurate diagnosis when blood flow examination is especially difficult.

HDVI™

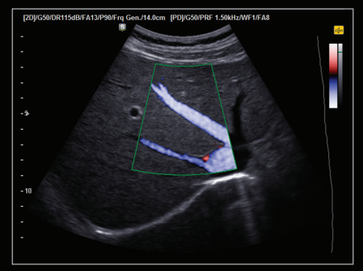
HDVI™ improves the visualization of edges and small structures in 3D reconstructed planes. HDVI (High Definition Volume Imaging)™ quickly renders outstanding images at the touch of a button.



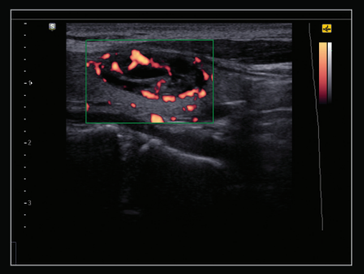
Thyroid with SDMR™



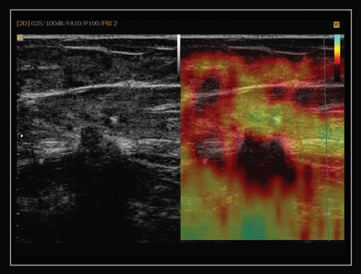
Breast lesion with SDMR™



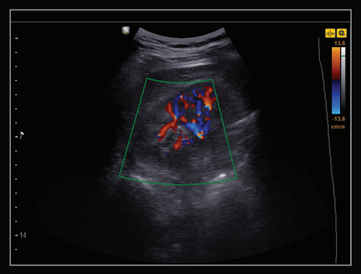
Abdomen with S-Flow™



Thyroid lesion with power Doppler



Breast lesion with ElastoScan™



Abdomen with color Doppler

Exams made simpler and easier

The HM70A's various functions simplify the exam workflow for users by enabling them to easily execute measuring processes with a simple touch without going through multiple, complex steps. The HM70A's multitude of effective tools will help to raise efficiency and improve quality of care.

Needle Mate™

With pinpoint precision, Needle Mate™ delineates needle location when performing interventions such as nerve blocks. The high level of accuracy and efficiency in diagnosis becomes possible with Needle Mate™.

EZ Exam™

EZ Exam™ transforms multiple steps into a streamlined process at the touch of a button, reducing repetition.

ElastoScan™

A diagnostic ultrasound technique for imaging elasticity, ElastoScan™ detects the presence of a solid mass in tissues and converts the stiffness into color images. It verifies the presence of lesions reducing the burden of further cervical palpation.

Panoramic

Users can examine wide areas that do not fit into one image as a single image with Panoramic imaging which displays an extended field-of-view. Panoramic imaging also supports angular scanning from linear and convex transducer data acquisition.

Clinical efficiency boosted

Reducing patient exam time is critical to increasing clinical efficiency. With various time-saving tools, the HM70A helps to increase patient throughput so that physicians can better focus on finding solutions to challenging cases while also maintaining optimal productivity.

ADVR™

ADVR™ technology permits simultaneous scanning and recording of an ultrasound study. The simultaneous recording can be done on an external USB device in HD format (1024x768) or on the integrated DVD drive (720x480).

QuickScan™

Important imaging parameters can be optimized with a touch of a button, enhancing workflow efficiency. In 2D imaging, QuickScan™ quickly optimizes contrast and brightness levels by adjusting the gain and TGC controls. In PW Spectral Doppler Mode, QuickScan™ easily optimizes the spectrum by adjusting the scale and baseline.

Auto IMT™

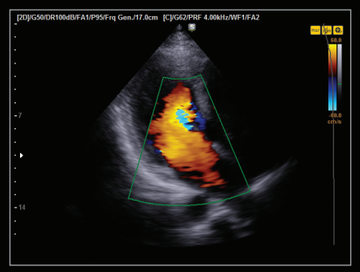
Auto IMT™ allows fast measurement of the carotid artery Intima-Media Thickness (IMT) for diagnosis of the patient's risks of stroke or heart attack.

Full screen mode

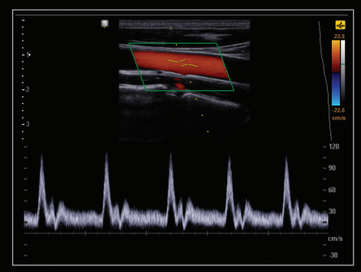
With one touch, users can expand the image area to fit the entire screen, optimizing the view for image analysis. Users also can control various imaging parameters when in full screen mode.

Fast booting

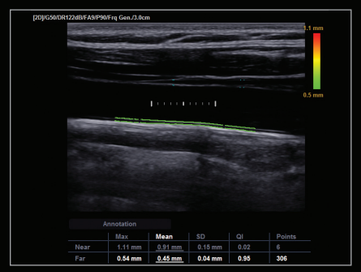
SSD technology enables powering on in 60 seconds from the powered off state, and 10 ~ 20 seconds from the sleep mode. With the setup utility, users can program the system to wake upon opening the lid or pressing the power button.



Adult heart with color Doppler



CCA with color & spectral Doppler



IMT measured with Auto IMT™

Unparalleled comfort in use

The HM70A is designed for users' comfort by adapting to the varied needs of physicians and sonographers, including exceptional ergonomics, mobility, and expandability. In addition, it reflects Samsung's streamlined design principles for a clean, slim appearance within the clinical environment.

Backlit keyboard and control panel

Users can operate the HM70A even in low-lit areas.

Front and rear handles

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

Compact and lightweight

The functional laptop-sized ultrasound system is slim and lightweight, at 6.1 kg (13.67 lb). Users can easily take the system to patient locations.

Features of the optional cart and battery:

1 Gas lift

Users can adjust the height of the system on the cart without straining their arms.

2 On-cart power outlets

Users can utilize the power outlets on the cart, without having to look for mutliple outlets in the exam room.

3 Extended transducer ports

Users can connect up to three transducers with the optional extended transducers ports on the optional cart, saving the time and labor spent on switching transducers. Furthermore, the three connected transducers can be used even during battery mode.

4 Extended battery

Users can use the optional rechargeable battery for long-term operation.
The battey supports 150 minutes of system operation when it is fully charged.

*Above options may not be available for use in some countries.

Versatile selection of transducers

The comprehensive selection of transducers ensures a proper fit for user's specific needs.

Curved array transducers

CA1-7AD

- Application : abdomen, obstetrics, gynecology
- Field of view : 70°

C2-6

- Application : abdomen, obstetrics, gynecology
- Field of view : 58.12°

SC1-6

- Application : abdomen, obstetrics, gynecology
- Field of view : 60.61°

CF4-9

- Application : vascular, pediatric
- Field of view : 92°

Phased array transducers

PE2-4

- Application : abdomen, cardiac, TCD
- Field of view : 90°

P3-8

- Application : abdomen, cardiac
- Field of view : 90°

Linear array transducers

L4-7

- Application : abdomen, musculoskeletal, small parts, vascular
- Field of view : 44.16mm

LA3-16AD

- Application : musculoskeletal, small parts, vascular,
- Field of view : 38.4mm

L5-13

- Application : musculoskeletal, small parts, vascular
- Field of view : 38.4mm

L7-16

- Application : musculoskeletal, small parts, vascular
- Field of view : 38.4mm

CW transducers

DP2B

- Application : cardiac

CW2.0

- Application : cardiac

CW4.0

- Application : cardiac

Volume transducer

VN4-8

- Application : abdomen, obstetrics, gynecology
- Field of view : 76°

Endocavity transducer

EVN4-9

- Application : obstetrics, gynecology, urology
- Field of view : 148°

Excellence on the move