

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-EKO7 V1.06-FTW-141115-EN

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



Scan code or visit
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Cardiac-based ultrasound system

Ultrasound system EKO 7



SAMSUNG



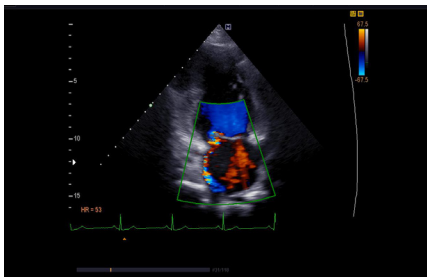
Cardiac-based ultrasound system

Aspiration of cardiovascular system and more

Meet the EKO 7, the cardiac-based ultrasound system that reaches your expectation with its clear images and advanced technologies. Easy-to-use features and the new ultrasound technologies combine with high quality image to make diagnosis easy, and elaborate your workplace output. With the EKO 7, you can concentrate more on the patient, less on the system.

Multi-Beamforming

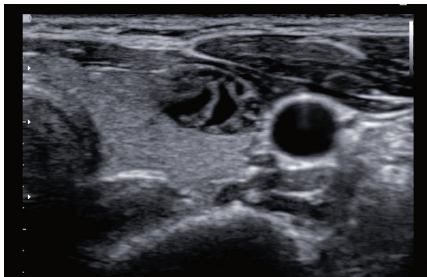
Multi-Beamforming technology displays superb 2D fundamental image and better color doppler without a time lag.



Multi-beamforming

DMR+™

DMR+™ has a noise reduction processor that increases edge enhancement and eliminates noises.

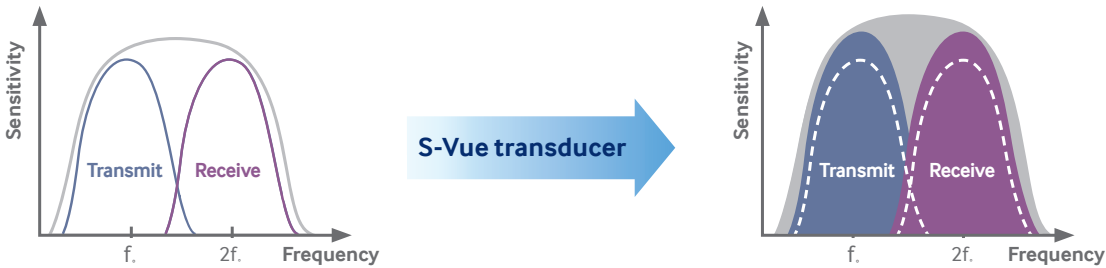


Thyroid with DMR Plus™

S-Vue transducer



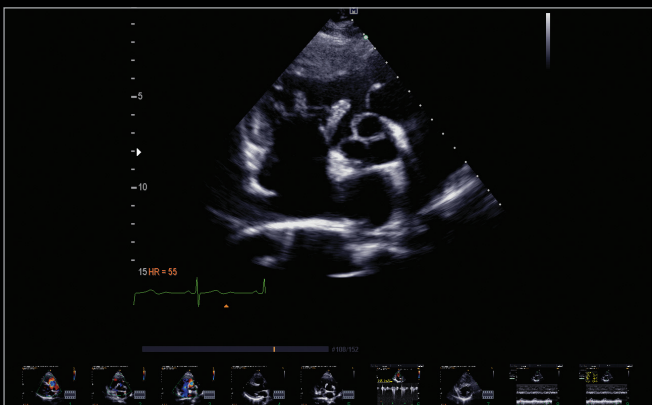
The responsive S-Vue transducer (CA1- 7A) provides broader bandwidth and higher sensitivity. This allows to deliver high image resolution even with technically challenging patients. In addition, the ergonomically designed and lightweight transducer enables users to experience less fatigue.



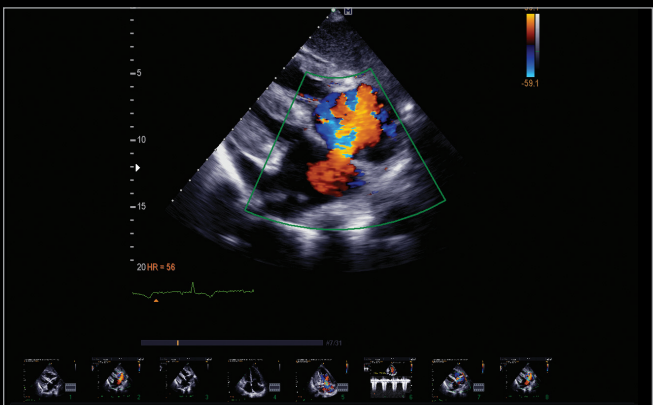
*Compared with the conventional Samsung transducers

Achieve ultimate images

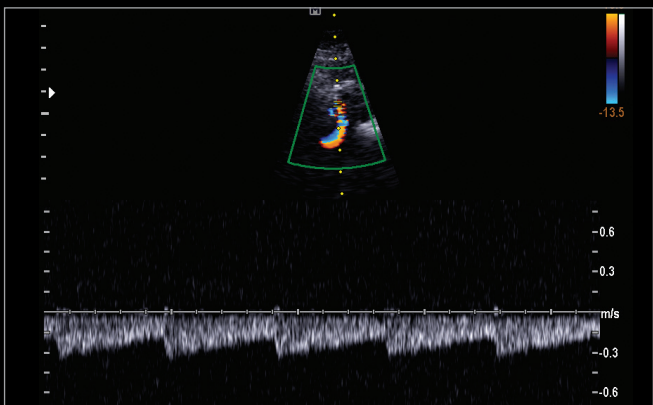
Cardiac Images



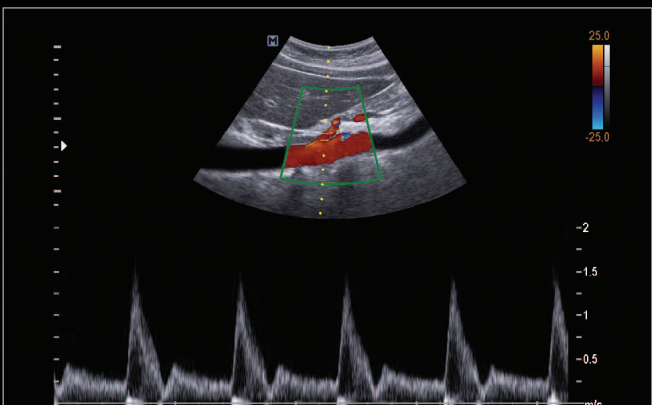
VSD - short axis view



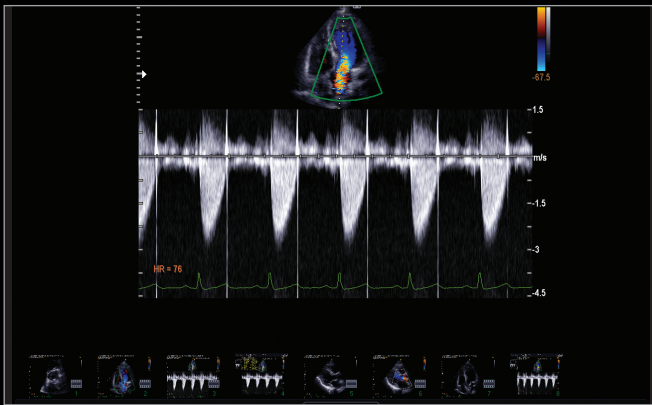
ASD - subcostal view



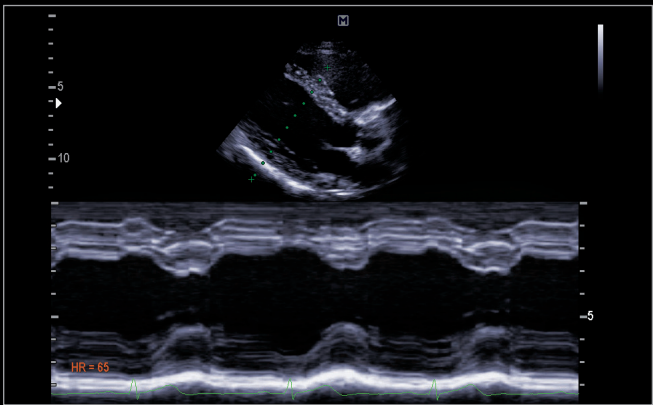
Transcranial doppler



Celiac artery



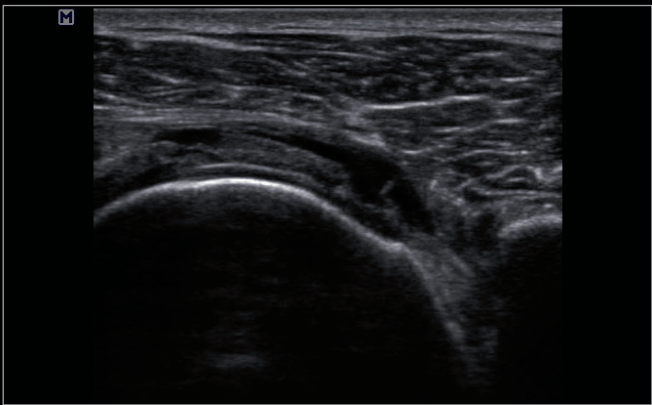
Aortic Stenosis - continuous wave



Anatomical M-mode

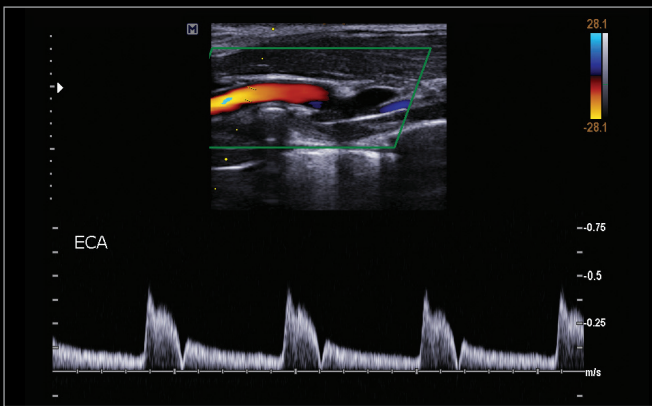


Gall bladder

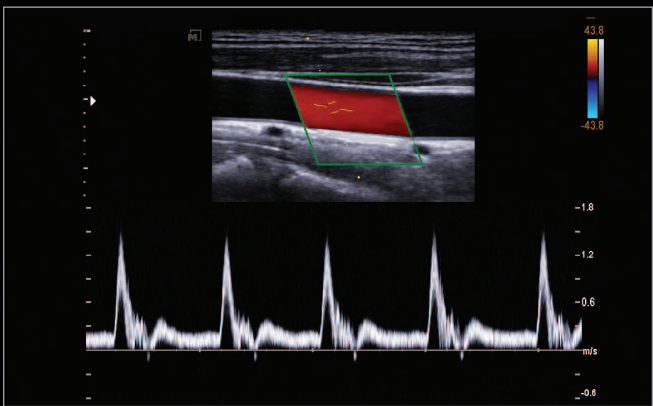


MSK

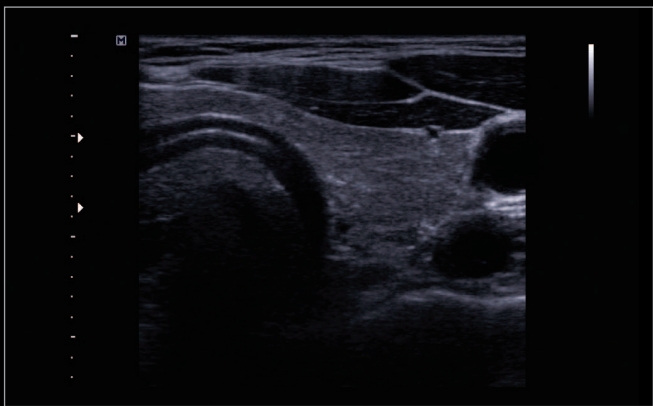
Vascular Images



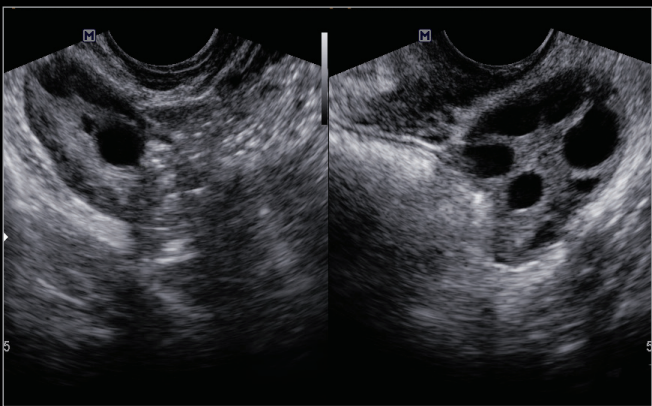
External carotid artery



Common carotid artery



Thyroid



Both ovaries

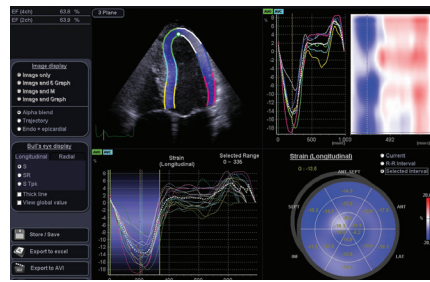
Advanced quantification tools for quick and easy protocols

The EKO 7 features quantification tools as well as quick and easy protocols. The EKO 7 provides 2D speckle based global strain value, pre-loaded Stress Echo protocols with easily editable grid format, and Auto IMT™ for one touch analysis.

Strain 2.0 with Bull's Eye

Quantitative assessment tool for global and segmental wall motion from three apical views and it shows peak longitudinal systolic strain in a bull's eye display.

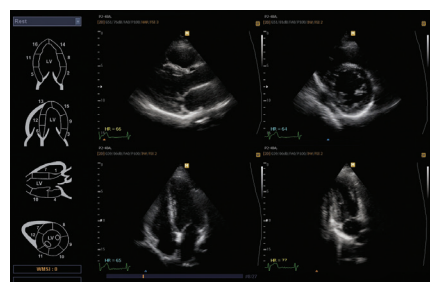
- Comprehensive LV presentation
- Simultaneous chamber view with its segmental information
- Intuitive segmental strain values and Time to Peak



Full data of 1 plane Strain with analysis graph

Stress Echo

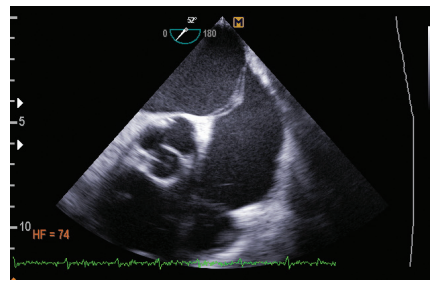
The EKO 7 provides a package for pharmacological Stress Echo, diastolic Stress Echo, and exercise Stress Echo. The programmable features of each Stress Echo study give you a streamlined workflow to fit your needs. Stress Echo supports a flexible reporting format that can be individually optimized for your workplace environment.



Report - Scoring of wall motion

4-Way Motorized TEE

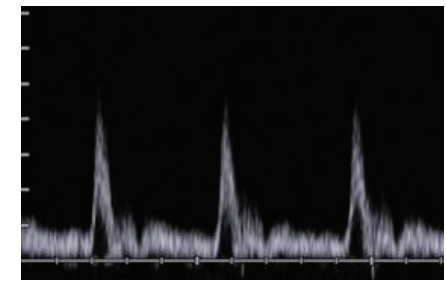
It's difficult to control TEE probe tip during TEE examination. But 4-Way Motorized TEE easily controls deflection(Up & Down / Left & Right) and scanplane rotation with hands or fingers.



TEE demo

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.



QuickScan™



Auto IMT™

Auto IMT™ provides optimized measurement of intima-media thickness.

Experience the comfort you seek

The new ergonomic design and easy-to-use features raise your clinical environment to the next level. From its slim and highly maneuverable design to the variable-height control panel, the entire EKO 7 system is designed for the comfort and the efficiency.

Lift & rotate control panel

The EKO7's control panel provides upgraded flexibility and user comfort, adjusting both up and down and side to side for personalized performance.

LCD display

The LCD monitors offers great convenience for its users by displaying useful information while diagnose.

3 active transducer ports

3 active transducer ports enable using various transducers.



Optimized transducer configuration

Samsung's transducer technology ensures advanced visualization that gives you powerful diagnostic capabilities.

Curved array transducers



CA1-7A

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

CA2-8A

- Application : abdomen, obstetrics, gynecology
- Field of view : 58°

C1-4EC

- Applications : abdomen, obstetrics, gynecology
- Field of view : 60.42°

C2-6IC

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

CF4-9

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

Phased array transducers



P2-4BA

- Applications : abdomen, cardiac, contrast, TCD
- Field of view : 90°

P3-8CA

- Applications : abdomen, cardiac, contrast
- Field of view : 90°

P4-12

- Applications : cardiac, pediatric
- Field of view : 90°

P1-4

- Applications : abdomen, cardiac, contrast, TCD
- Field of view : 90°

PE2-4

- Applications : abdomen, cardiac, contrast, TCD
- Field of view : 90°

Linear array transducers



L3-8

- Application: vascular
- Field of view : 38.71mm

L5-13IS

- Applications : vascular, small parts
- Field of view : 38.4mm

LA3-16A

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

CW transducers



CW2.0

- Application: cardiac

CW4.0

- Application: cardiac

DP2B

- Application: cardiac

Endocavity transducer



EV4-9/10ED

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

TEE transducer



MMPT3-7

- Application: cardiac
- Field of view : 90°