Relentless Innovation
for your diagnostic confidence

SAMSUNG

cV Ultrasound Systems

for cardiovascular

Excellence in cardiovascular care, tailored to your needs

Discover a new frontier in cardiovascular care with Samsung cV ultrasound systems. Designed to empower clinicians with precise, high-resolution imaging, our advanced tools streamline diagnostics and inspire confidence through the latest improvements.
Featuring a dedicated cardiovascular control panel, the system provides an intuitive, user-friendly experience, while a 27-inch OLED monitor delivers enhanced clarity for critical insights.

Key benefits

Outstanding image quality for confident diagnoses

Advanced imaging technology, driven by clarity and high-resolution, supports accurate cardiovascular assessments.

Comprehensive suite of advanced diagnostic tools

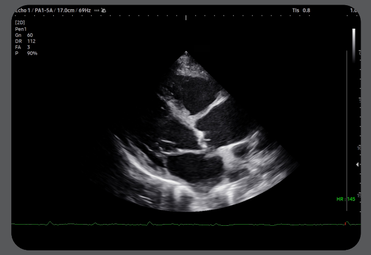
A versatile range of solutions, powered by automation and AI, helps elevate clinical confidence and enhance efficiency.

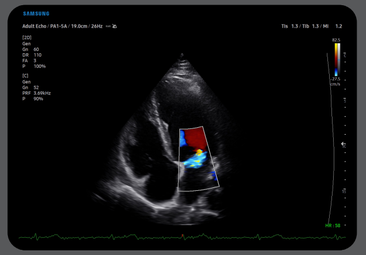
Tailored for seamless cardiovascular workflow

A system tailored to the specialized needs of cardiovascular operations, ensuring optimized performance.

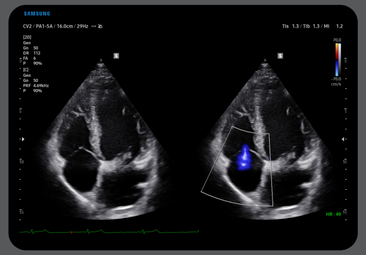
Outstanding image quality for confident diagnoses

Advanced imaging technology, driven by clarity and high-resolution, supports accurate cardiovascular assessments.

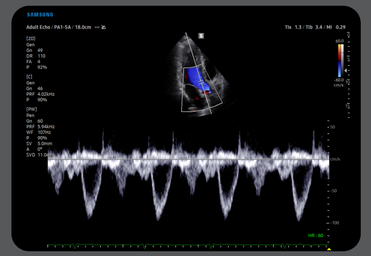

Pericardal effusion PLAX view



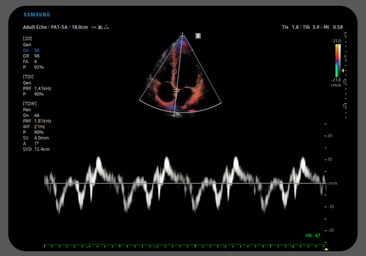
MR with color



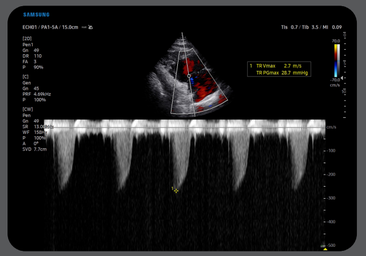
TR color with LumiFlow™



PulsedWave Doppler in LVOT view



Tissue Doppler Imaging



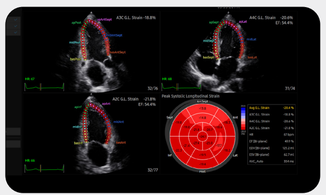
CW Mode in TR

Comprehensive suite of advanced diagnostic tools

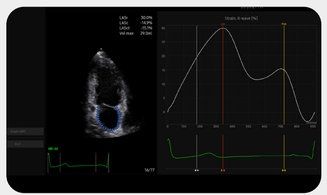
A versatile range of solutions, powered by automation and AI, helps elevate clinical confidence and enhance efficiency.

Strain+

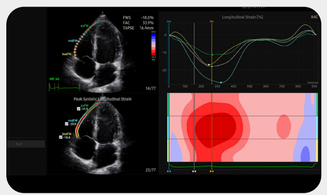
Strain+ is a quantitative tool for measuring global and segmental wall motion of the left ventricle(LV), left atrium(LA), and right ventricle(RV) for systolic and diastolic function of heart.



Strain+ LV



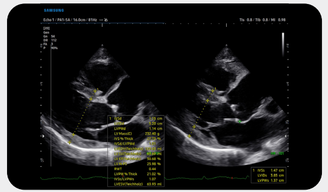
Strain+ LA



Strain+ RV

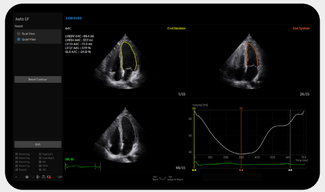
HeartAssist™

HeartAssist™, a feature based on Deep Learning technology, provides automatic classification of ultrasound image into measurement views required for heart diagnosis and provides measurement results.



AutoEF

AutoEF is a feature which conveniently measures and quantifies Ejection Fraction, LV volume and also Global Longitudinal Strain(GLS). The end-systolic and end-diastolic points of the left ventricle is calculated, to assist in quick and efficient assessment of the heart function.

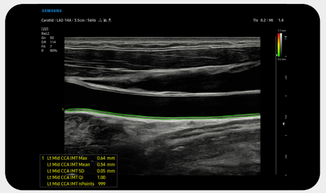


StressEcho

The StressEcho package includes wall motion scoring and reporting. It includes exercise StressEcho, pharmacologic StressEcho, diastolic StressEcho and programmable StressEcho.

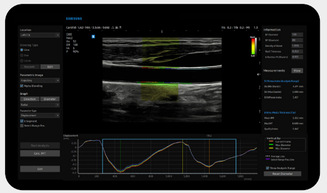
AutoIMT+

AutoIMT+ is a screening tool to analyze a patient's potential risk of cardiovascular disease. It allows easy intima-media thickness measurement of both the anterior and posterior wall of the common carotid by the click of a button.



Arterial Analysis

ArterialAnalysis™ detects functional changes of vessels, providing measurement values such as the stiffness, intima-media thickness, and pulse wave velocity of the common carotid artery. Since functional changes occur before morphological changes, this technology supports the early detection of cardiovascular disease.



Tailored for seamless cardiovascular workflow

A system tailored to the specialized needs of cardiovascular operations, ensuring optimized performance.

Realistic rendition of deep black color with 27" OLED monitor

* 27" OLED monitor is supported on cV8/cV7, Monitor size/type may vary for CV8/7/6 ultrasound system. (27" OLED/23.8" LCD/21.5" LCD)

Easy-to-access CV modes with intuitively designed control panel

Optimize image in one click

QuickScan™ technology provides intuitive optimization of gray scale and Doppler parameters. QuickScan™ enables users to adjust ROI box location with one touch of a button.

Select transducer and preset combinations in one click

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.

Assign functions to the buttons near the trackball

Depending on the ultrasound inspection items, the functions assigned to the buttons around the trackball can be utilized to reduce the hassle of menu selection.

Comprehensive selection of transducers

Phased array transducers

PA1-5A
Abdomen, Cardiac, Pediatric, Thoracic, Vascular, TCD

PA3-8
Abdomen, Cardiac, Pediatric, Vascular, TCD

PA4-12B
Abdomen, Cardiac, Pediatric, Vascular, TCD

TEE Transducers

MMPT3-7
Cardiac

TA2-9
Cardiac

CW Transducers

CW6.0
Cardiac, Vascular, TCD

Curved array transducers

DP2B
Cardiac, Vascular, TCD

CA1-7S
Abdomen, MSK, Vascular, OB, GYN, Thoracic, Pediatric, Urology

CA1-7SD
Abdomen, MSK, Vascular, OB, GYN, Thoracic, Pediatric, Urology

CA1-7AD
Abdomen, MSK, Vascular, OB, GYN, Pediatric, Urology

CA3-10A
Abdomen, MSK, Vascular, OB, GYN, Thoracic, Pediatric, Urology

CA4-10M
Abdomen, Vascular, Pediatric

Linear array transducers

LA2-9S
Abdomen, MSK, Small Parts, Vascular, Pediatric

LA2-14A
Abdomen, MSK, Small Parts, Vascular, Pediatric, Thoracic

LA2-16S
Abdomen, MSK, Small Parts, Vascular, Pediatric

LA2-9A
Abdomen, MSK, Small Parts, Vascular, Pediatric

LA3-14AD
Abdomen, MSK, Small Parts, Vascular, Pediatric

LA3-22AI
MSK, Intraoperative

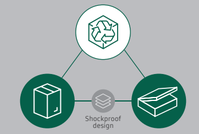
LA4-18A
Abdomen, MSK, Small Parts, Vascular, Pediatric

LA4-18AD
Abdomen, MSK, Small Parts, Vascular, Pediatric

L3-22
MSK, Small Parts, Vascular, Pediatric

* Supported transducers may vary depending on the cV8, cV7, and cV6 ultrasound system

Recycled plastic applied on the system body



Eco-conscious paper packing with specially designed shockproof design

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.

* This product, features, options, and transducers may not be commercially available in some 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.
* S-Vue Transducer™ is the name of Samsung's advanced transducer technology.

1. Optional feature which may require additional purchase.

CT-cV8/7/6-JWP-241127-EN

SAMSUNG MEDISON CO., LTD.

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