



ACUSON Cypress™ Echocardiography System
High performance wherever you need it

SIEMENS

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medical

The Value of Vision™



Comprehensive features allow the system to be used in a wide range of applications, from the echo lab to the patient's bedside.



A single probe solution for a full range of vascular studies.



The system's small size and portability make it ideal for use in the OR and EP lab.



High performance pediatric studies, from neonates to children of all ages.



The all-digital stress echo package is extremely easy to use.



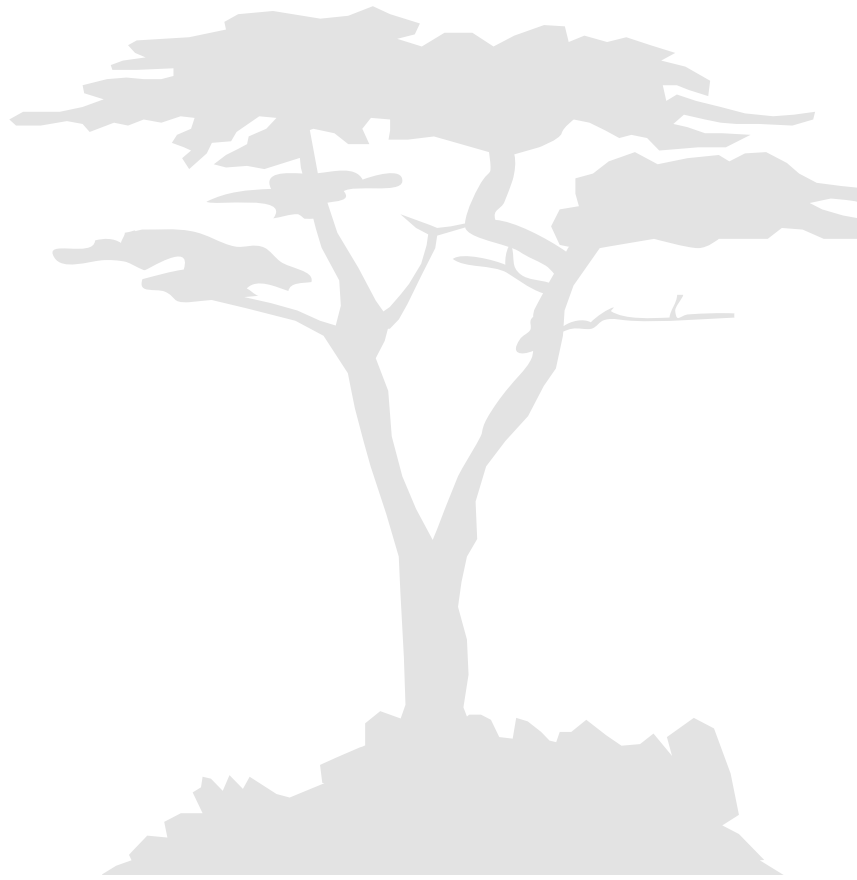
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High performance echocardiography in a lightweight, portable package

The Acuson Cypress™ echocardiography system is a highly miniaturized, all digital, phased array echocardiography system that provides complete studies and outstanding images— even on the most technically difficult patients. Because today's clinical environment leaves no room for compromise and no time for repeat studies, the Cypress system offers a full range of capabilities. These include harmonic mode, high frame rate color flow mapping, Doppler, stress echo, digital image management and built-in DICOM connectivity.

The Cypress system allows you to extend the reach of echocardiography throughout your practice. It is so lightweight and portable that it moves readily to all those places where your patients clearly benefit from the diagnostic power of echocardiography—from the echo lab to the patient's bedside, Emergency Room, Critical Care Unit or physician's office.

The affordability of the Cypress system means that economic constraints don't prevent you from offering state-of-the-art imaging wherever quality patient care calls for it.



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High Performance Echocardiography

Breakthroughs in Technology

Miniaturization. Cypress system engineers pioneered technology miniaturization such as subsystems designed into software reprogrammable logic chips and high speed full resolution image transfer to the internal hard drive. Furthermore, advanced architectural partitioning allows the Cypress platform to provide large-system performance in a 8 kg (19 pound) portable system, without compromising diagnostic confidence, image quality or functionality.

Full Range of Capabilities. The Cypress system is a complete, full-featured echocardiography system that provides complete cardiovascular studies and outstanding image quality even on the most difficult to image patients. It offers a full range of features including:

- 2D with Harmonics
- M-Mode
- Color, PW and CW Doppler
- Stress echo
- Vascular imaging
- Comprehensive calculations package
- Patient Report with audio capture

- Embedded DICOM conformance
- High frame rate color flow imaging
- Network output
- Contrast agent imaging
- USB peripheral support
- (PC printer connectivity)

Technology Migration. The Cypress system shares technological advances in probe technology that were first developed for the ultra-premium Sequoia® echocardiography platform, Acuson's flagship product in ultrasound around the world. The 3V2c and 7V3c transducers used on the Cypress system were migrated from the Sequoia platform.

Beamformer technology migrated from the premium performance Sonoline™ Antares system provides additional performance in image quality, color, and Doppler.



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Digital network transfer

orkflow

Stress Echo. The Cypress system features unique advantages like post-capture ROI placement, loop alignment, and loop trimming. It provides quad screen review, routine and expanded protocols, and the option to save multiple loops for each view. The extensive image memory allows continuous capture, and the system's outstanding edge definition and penetration greatly increase the likelihood of a successful study.

Vascular Imaging. The 7L3 wide bandwidth linear transducer offers high performance vascular capabilities for carotid studies as well as arterial and venous exams. The vascular package features advanced capabilities such as full beam-steering and low flow detection. It offers an intuitive calculations package for the best patient throughput, with comprehensive vascular patient reports, including carotids and upper and lower extremities.

Advancing Workflow with Digital Lab System Architecture. The Cypress system is an all-digital platform from its beamformer to its storage, acquisition, review, and transfer process. The patient

management and operating system are Windows® based, for familiar patient file and study management operation. Patient and study lists are easy to manage and can be batch transferred at the end of the day or between exams for increased workflow and patient throughput. Full network capabilities and multimedia outputs allow you to store studies digitally on the system, archive them to the integrated MO disc, export them over a DICOM network and convert data for use on a PC. The workflow solution is comprehensive and versatile. The Cypress platform is also compatible with other networking and archiving systems such as the Acuson KinetDx™ solutions.

With intuitive controls, the system is easy to learn and easy to use. And since the operating system resides in a Windows® environment, the graphical user interface will be familiar to Windows users.



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Wherever You Need It

Advancing echocardiography through performance and productivity



The Cypress system is the smallest, lightest, high performance, phased array echo system ever built. Weighing in at just 8 kg (19 pounds), with digital storage capacity for over 100 studies and network capabilities to send studies from remote locations, clinicians can perform complete echocardiography studies from almost anywhere. The Cypress system was designed for portability, durability and reliability, and to withstand the rigors of constant transportation. System internal connections are minimized. Key components are shock mounted and the entire system sits inside a robust chassis. From hospital to office or from airplane to mountain village, the Cypress system will perform.

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