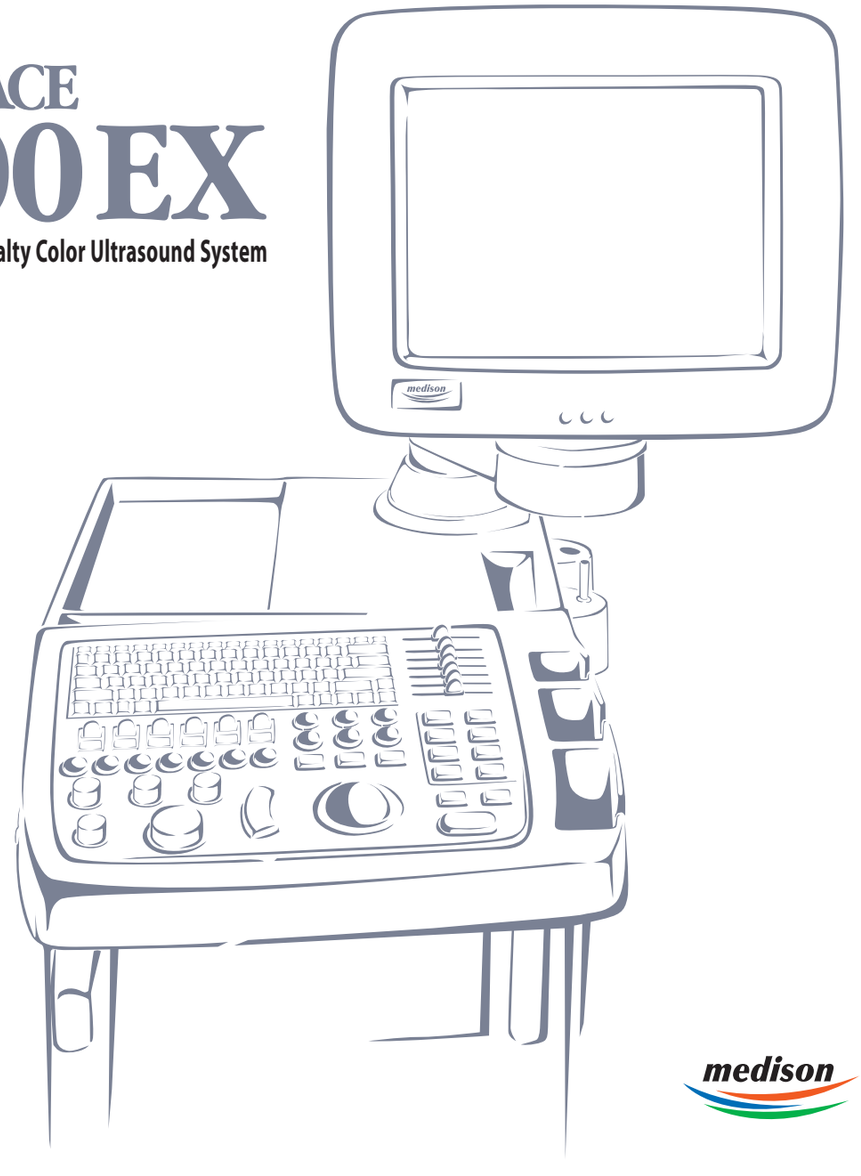
SonoAce 8000 EX

The Value Multi-Specialty Color Ultrasound System



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SonoAce 8000 EX

The Value Multi-Specialty Color Ultrasound System

It's the dawn of a new evolution in affordable digital color ultrasound

At Medison, we've earned a reputation for bringing cutting-edge digital ultrasound technology within reach of almost any medical institution. Today, we're proud to introduce to you the SonoAce 8000 EX, an evolutionary multi-specialty digital color ultrasound system that combines our next-generation digital beamforming technology with state-of-the-art intelligent digital signal processing to create images with astounding detail and spatial resolution that'll add new clarity to your diagnoses. Read on to see what you've been missing…

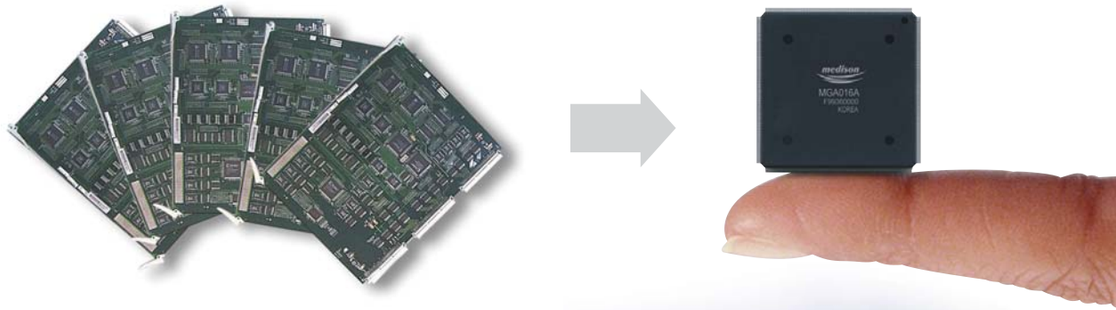
Setting the standard for
affordable digital color ultrasound…*again*

Evolutionary Technology

The SONOACE 8000 EX benefits from the latest advances in our industry-pioneering digital beamforming technology as it once again raises the industry benchmark for performance and affordability. And like every Medison digital color ultrasound system, you can expect superior image quality that'll translate into equally superior diagnoses in any imaging application.

Smart and Compact

The SONOACE 8000 EX owes its state-of-the-art imaging capabilities to the same patented digital beamforming technology that powers our top-of-the-line systems. We've shrunk this massive amount of real-time processing power requiring literally tens of millions of transistors down to a handful of custom application-specific integrated circuits that produce what are arguably the industry's sharpest diagnostic images. This combination of system integration and miniaturization as well as the use of a Windows™ 2000-based PC platform enables us to deliver an exceptionally compact, powerful, versatile, reliable, and affordable system that's ideally suited to the multifaceted diagnostic needs of both hospitals and clinics.



Organized and Network Savvy

Each SONOACE 8000 EX comes equipped with SonoView™ II, our second-generation integrated image management solution. In addition to full-featured review and archiving capabilities, this DICOM 3.0-compliant system seamlessly networks with PACS systems as well as PCs running our optional SonoView™ Pro software, allowing you to easily create a robust ultrasound image sharing and management solution capable of remotely archiving, reviewing, and even making 2D measurements from the next room—or the other side of the world.

Evolutionary Imaging

While the SONOACE 8000 EX is designed to deliver exceptional imaging performance across the entire range of diagnostic applications, its advanced palette of imaging technologies makes it a particularly outstanding choice for general, linear, and cardiac imaging tasks.

Harmonic Imaging
Seamlessly integrates with selectable tissue-specific velocity correction to significantly enhance spatial resolution and contrast in B-mode with difficult-to-image patients.

Pulse Inversion Harmonic Imaging
Provides additional processing of harmonics to cancel out-of-phase fundamental signals, delivering a purer harmonic signal with both convex and phased-array probes.

OSIO™ (Automatic image optimization)
Automatically recognizes the organ being scanned and sets the optimal scan settings, reducing set-up tedium for improved productivity.

CAFE™ Plus (Artifact filtering)
Intelligently suppresses flash artifacts generated with nonlinear filtering of "clutter" signals from tissue and organs for clearer, more accurate blood flow visualization.

Trapezoidal Imaging
Provides a wider imaging area with linear probes without sacrificing image resolution, enhancing productivity in small part exams.

FINE™ Filtering
Substantially enhances 2D image quality with advanced noise reduction and precision control over edge enhancement.

256-Channel Multi-beam Processing
Delivers ultra high frame rates with enhanced resolution and fewer motion artifacts for superior diagnostic imaging in all scan modes.

What do those acronyms mean?
- OSIO™: Organ-specific image optimization
- CAFE™ Plus: Second-generation compound artifact flash elimination
- FINE™: Filtered image for noise reduction and edge enhancement

Carotid artery in color Doppler mode

Parasternal long-axis view with pulse inversion harmonic imaging activated.

Control interface is angled 15° to the right for more ergonomic access during exams.

Keys 1~6 provide instant access to functions listed on the context-sensitive menu bar across the bottom of the display.

Scroll through menu choices, then push to select.

Full-size keyboard for faster, more accurate data entry.

Evolutionary Ergonomics

The SONOACE 8000 EX control interface is ergonomically engineered to give operators quick and convenient access to all the powerful features of the Medison digital color ultrasound platform for maximum productivity and diagnostic accuracy. We also worked hard to ensure this ergonomic functionally extended to the numerous storage and peripheral installation options, making it easy for your SONOACE 8000 EX to expand to meet both present *and* future needs.

Instantly access the SonoView™ II image management application for image review, measurement, transfer, and archiving. The optional SonoView™ Pro software supports these same functions on any standard PC with network access to your SONOACE 8000 EX.

FreeHand 3D™ scan mode delivers accurate 3D volume imaging with any probe.

One-touch access to steered CW Doppler mode.

Print the image currently being viewed.

Save images locally or to a networked DICOM 3.0-compatible server.

High-contrast 15-inch color VGA monitor tilts and swivels for operator and patient convenience.

Top storage tray is sized to hold a thermal printer.

Compact control interface is laid out for efficiency.

Optional 1.3 GB MO drive for cost-effective image archiving.

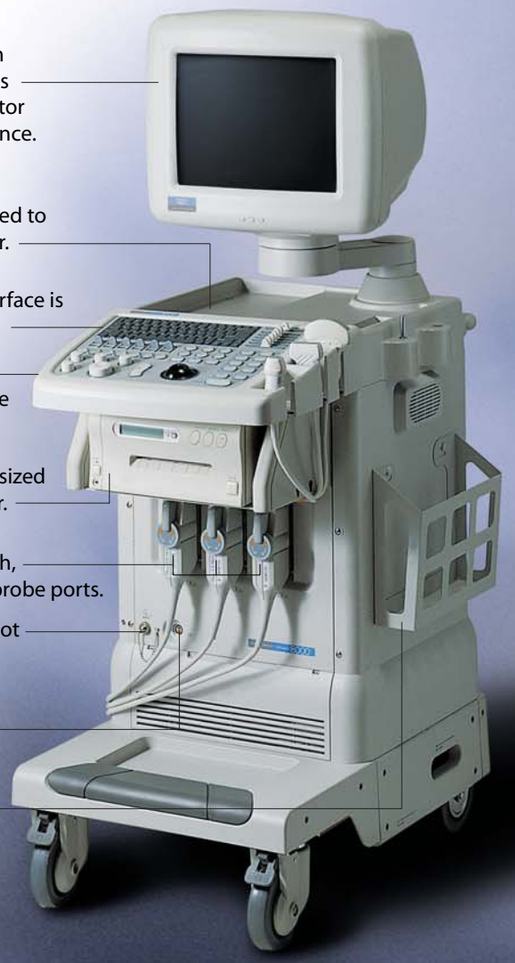
Front storage shelf is sized to hold a color printer.

Three high-bandwidth, interface-selectable probe ports.

Plug in an optional foot switch for hands-free image scan capture.

Interface-selectable CW probe port.

Handy storage rack for patient records or manuals.



The right probe for any application…

Choosing the right combination of probes for your diagnostic workload is essential to getting the most out of your SONOACE 8000 EX. We're pleased to offer you the following selection of high-performance multi-frequency linear, convex, and phased-array probes, each of which is optimized to deliver superior wideband imaging performance in their respective applications.

■ Linear probes

L 5-9EC

L 5-9ER

L 5-10ED

■ Convex probes

C 3-7ED

EC 4-9ES

CL 4-8EV

■ Phased array probes

P2-5AC

P2-3AC

P3-7AC

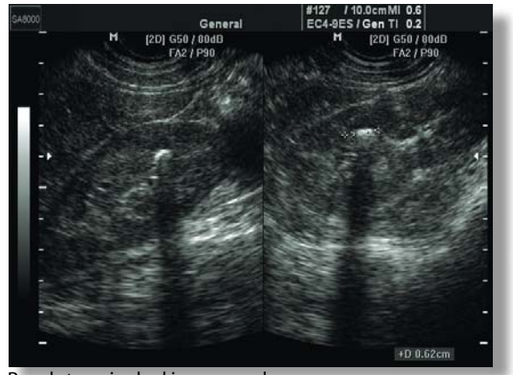
■ Pencil type probes

C W2.0

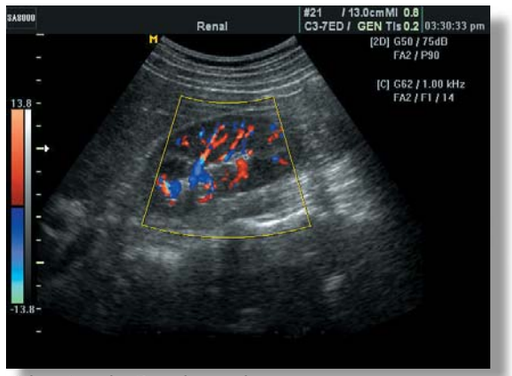
C W4.0

SONOACE 8000 EX Image Gallery

Carotid artery in color Doppler mode

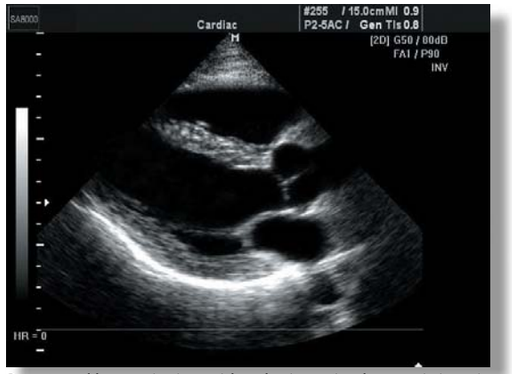


Renal stone in dual image mode



Kidney in color Doppler mode

Thyroid nodule



Parasternal long-axis view with pulse inversion harmonic imaging

Polyp in cyst