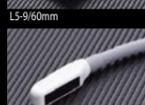


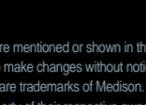
Probes

Linear Array



HL5-9
LS-9/60mm
LI5-9
LT5-9

Convex Array



Specifications

Image Mode	B, B/B, Quad-B, B/M, B/Dual-M
Grey Shades	True 256 (8 bits)
Focusing	<ul style="list-style-type: none"> Digital beamformer Dynamic transmit focusing (max. 8 points, 4 simultaneously selectable) Dynamic digital aperture & apodisation
CPU	Embedded PC <ul style="list-style-type: none"> 3.5-inch floppy disk drive Inkjet printer (optional) Modem (optional) 2-gigabyte hard disk (image filing system-optional) Back-up (optional PD, ZIP drive)
Monitor	<ul style="list-style-type: none"> 12-inch non-flickering monochrome monitor with individual brightness and contrast controls, tilt/swivel mount
Measurements	<ul style="list-style-type: none"> Trackball operation of multiple calipers B-mode Linear measurements and area/perimeter measurements using elliptical approximation, continuous tracing, or tracing points M-mode Continuous readout of distance, time and slope rate
Signal Processing	Pre-processing <ul style="list-style-type: none"> TGC control (4-Slider volume control) Independent mode gain controls (B, M-modes) Acoustic power control Dynamic aperture - Dynamic apodisation Dynamic range control - Edge enhancement Real-time write zoom (multi ratio zooming) Multifrequency probe operation Post-processing <ul style="list-style-type: none"> Frame averaging - Gamma correction Gray-scale windowing - Histogram Image apex control (up/down) Scan direction control (left/right) White on black/black on white Real-time write zoom (multi ratio zooming) Image viewing area control (3 sets) M-mode sweep speed control Cine Memory auto-run with variable speed 1,4 or 9 simultaneous image display Modem-based networking (optional)
Functions	<ul style="list-style-type: none"> OB/GYN software package Cardiac program in M-mode Free-Hand 3D™ Imaging (optional) Cine : 64 frames(basic) / 128 frames(optional) Loop memory (1024 Lines) SonoView Lite™ image management system (optional)
Physical Dimensions	<ul style="list-style-type: none"> 470 (W) X 670 (D) X 1270~1380 (H) mm ~55 kg in weight
Operating Voltage	<ul style="list-style-type: none"> 100-120/200-240 VAC selectable 50/60 Hz, 6.3/3.15 A
Probe Types	<ul style="list-style-type: none"> Linear Array <ul style="list-style-type: none"> HL5-9 - LS-9/60 mm LI5-9 - LT5-9 Convex Array <ul style="list-style-type: none"> C2-4/30R - HC2-5 HC3-6 - C4-7 EC4-9/10R C4-9/10R ET4-9/10R Sector probe <ul style="list-style-type: none"> EWS/7K - IR150AK WAW4/ - ERW7/10AK

■ Distributor

Some equipment and software mentioned or shown in this brochure may be optional in certain markets. Medison reserves the right to make changes without notice. Government approval pending in some markets. ERIA™ and SonoView Lite™ are trademarks of Medison. All other trademarks are property of their respective owners. This brochure is not available in USA.

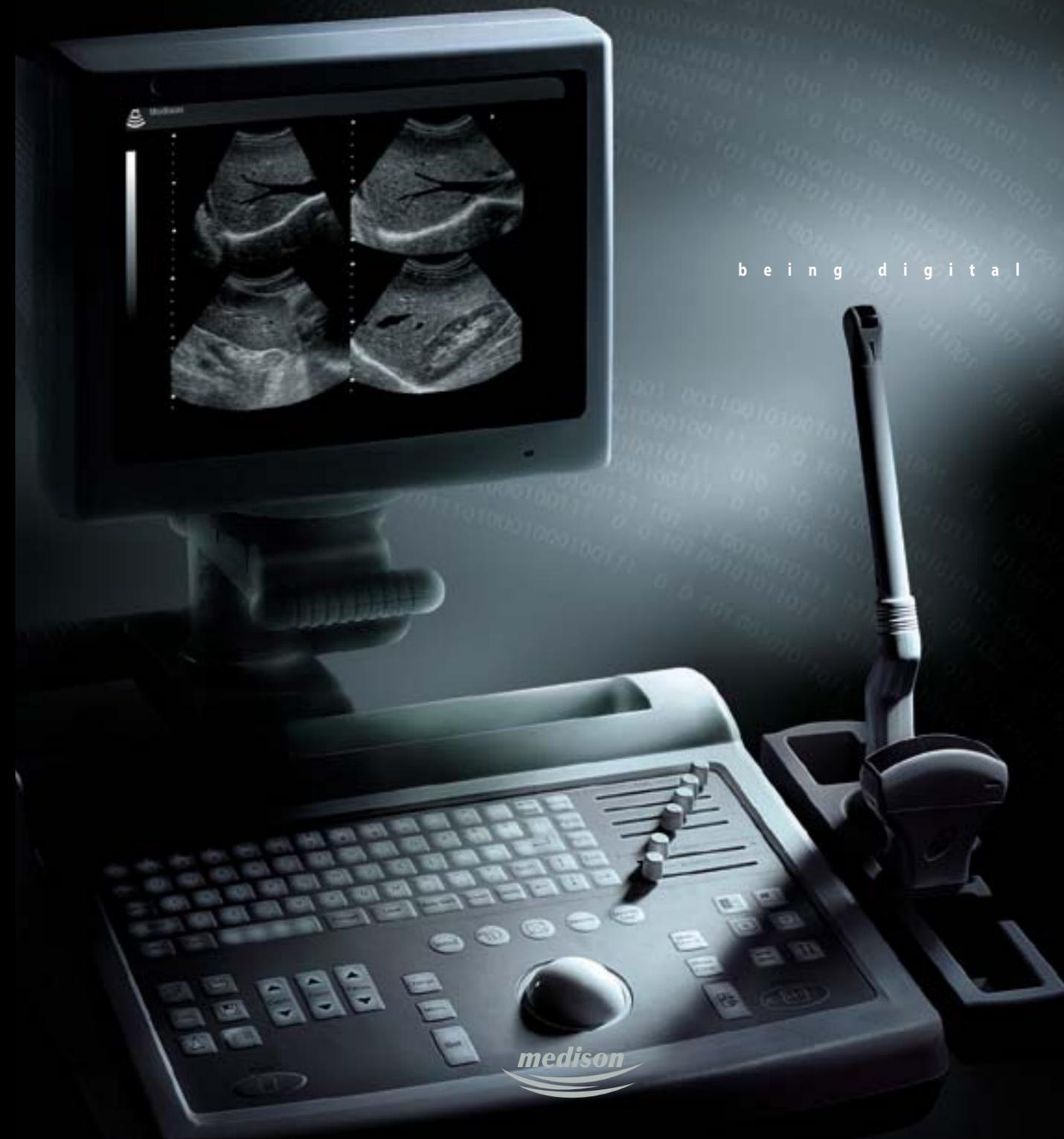


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NEW DIGITAL ULTRASOUND SONOACE 5500

PC-based Digital B/W Ultrasound System



being digital

medison

*Introducing SonoAce 5500,
the world's most affordable digital
B/W ultrasound system. Backed
by superior imaging technology
and functionality from Medison,
SA-5500 produces crystal-clear
digital images that will enhance
the accuracy of all your diagnoses.*

*All for about the same price
as an analogue system.*

*Read on and see the difference
Medison digital B/W ultrasound
can make in your practice.*



being digital

100% Digital Beamforming for Crystal-Clear Images

Digital beamforming with pixel-based focusing enables SA-5500 to deliver artifact-free high-resolution images. Our new ERIA™ digital scan conversion process completes the digital signal path, preserving fine detail in outer image areas.

PC-Based for Flexibility, Upgradeability

Image management software and a variety of storage options allow flexible management of patient data. And unlike the proprietary hardware platform competition, SA-5500 is built around a Pentium™ PC, so software upgrades and networking couldn't be easier.

Ergonomic System Design

With a flicker-free display and a keyboard and monitor that adjust to match your working position, SA-5500 minimizes the primary causes of fatigue. The neat, easy-to-learn user interface also makes operation intuitive, particularly for PC users.

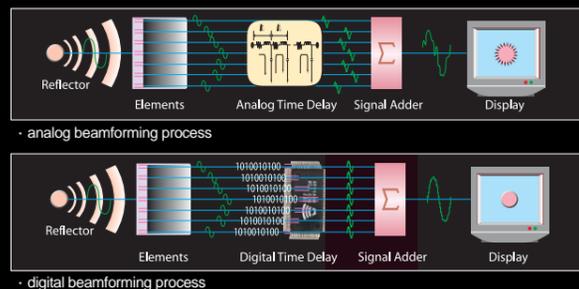
There's **Nothing**
Quite Like Your **First Digital**

100% Digital Beamforming Ensures Everything is Clearer

Digital Beamforming

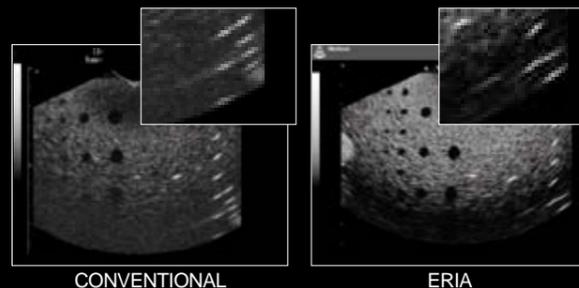
Free from image-degrading analog processing side effects like multiple signal reflection, non-linear attenuation, and time delay variations, digital beamforming based on custom ASIC* technology delivers phenomenal improvements in imaging resolution and performance.

*Application Specific Integrated Circuit



Advanced ERIA™ Scan Conversion

Medison's advanced new ERIA™ (extended radial interpolation algorithm) digital scan conversion process ensures the highest-quality image display, resolving fine detail in outer image areas without pixelisation.

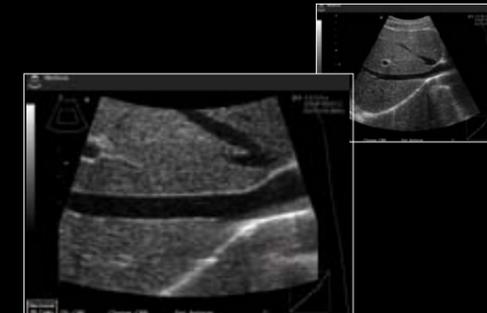


Dynamic Digital Apodisation

SA-5500's digital apodisation dynamically selects the optimal number of array elements needed to image objects in the scan field, enhancing both near-field and overall lateral resolution.

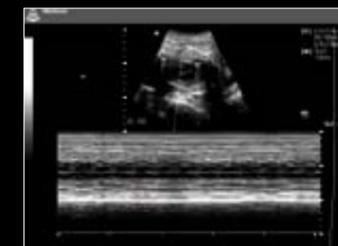
Real-Time Focus Zoom™

Real-time Four Zoom™ provides high resolution zoomed image of ROI (Region of interest) without freezing the images by using the Focus Navigation Window™ displayed in upper-left side.

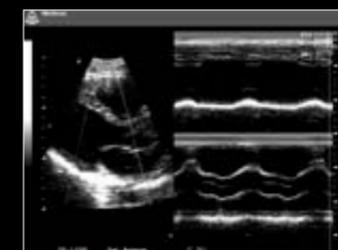


M-Mode Loop Image Display

Improved M-mode display on lower portion of the screen shows looped images longer for more convenient analysis.



Dual M-Mode Display



64 Frames CINE Memory

Provides instant access to the last 64 frames scanned for closer analysis. Display options include one, four, or nine images per screen and variable-speed playback of any image.



FreeHand 3D™ Imaging

FreeHand 3D™ imaging technology of SA5500 offers realistic, freely-rotatable surface-rendered fetal images. The volume rendering of FreeHand 3D™ is a calculation process to visualize certain 3D-structures of a scanned volume by means of a 2D-image.



Multiple View Display

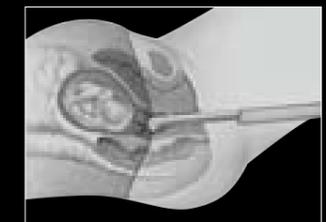
Allows simultaneous display of one, four, or nine separately-scanned images as well as selected images from Cine Memory.



Quad image display during OB/Gyn amniotic fluid index (AFI) measurement

140° Wide-Angle Transvaginal Probe

The exceptionally-wide 140° scanning angle of this probe makes transvaginal scans more accurate and convenient.



Multifrequency Probe Operation

Every probe can be operated at its rated frequency as well as a set frequency above and below, increasing versatility while reducing the need for multiple probes.

Designed for Maximum Flexibility and Convenience

● Integrated Image Management

The optional SonoView Lite™ image management software handles image storage, filing, viewing, and transfer. SA-5500 comes standard with a 2-GB hard disk that stores over 6,000 images.



● Flexible Archiving

Images can be saved in BMP and other formats via the built-in 3.5-inch floppy drive or external third-party PC peripherals such as Zip™ drives.



● Custom ASIC Technology

Medison's full-digital processing is achieved through custom application specific integrated circuit (ASIC) technology. This allows board size and chip counts to be reduced, enhancing reliability as well as performance.



● Upgradeability

SA-5500 is based on a standard Pentium™ PC platform, allowing functionality to be enhanced or expanded through software updates and new applications distributed via floppy disks or over networks such as the Internet.

● Expandability

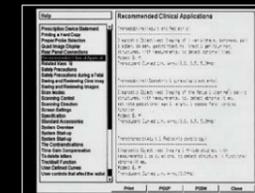
SA-5500's two built-in parallel ports support most standard PC peripherals, including removable media drives and printers.

● Flicker-Free Display

The combination of a high-resolution 12-inch monitor and high refresh rate ensures an ultrastable image and reduced eye fatigue.

● User Interface

PC users will easily adapt to SA-5500's neat grey scale user interface. User conveniences include online help, a "brief word" feature that automatically expands common abbreviations for faster input, and a choice of 49 variable-size screen fonts.



● Ergonomics

SA-5500's keyboard and monitor are height-adjustable and swivel for user comfort. Four large wheels with locks also make movement effortless.

