

S SERIES™

DESIGNED FOR THE POINT OF CARE



THE S SERIES – MOUNTED AT THE POINT OF CARE

The industry's first ultrasound system designed to be wall mounted, the S Series™ product line can also be used on a stand and is custom designed for your practice. In another first, with the S Series systems, you can optimise your image by adjusting just two controls: depth and gain. Based on SonoSite's fourth-generation Turbo Technology, the S Series offers in a mountable solution an à la carte selection of all the advanced features found on our flagship M-Turbo® product. Proprietary software algorithms automatically adjust a broad range of S Series transducers to optimally perform for the specific clinical configuration of each S Series system. Setting the standard for ultimate durability and reliability, the S Series products are drop tested, built with a splash resistant interface, and can withstand the harshest environments.

S SERIES TURBO TECHNOLOGY FROM SONOSITE

Premier Package (optional software) – enables the S Series systems to use all transducers and perform all examination types.

SonoADAPT™ Tissue Optimisation – eliminates complicated manipulation of multiple controls.

SonoHD™ Imaging Technology – reduces speckle noise and other image artifacts while preserving and sharpening tissue information.

ColorHD™ Technology – increases colour performance, sensitivity and frame rates for more diagnostic information.

SonoMB® Multi-beam Imaging – increases resolution of small structures and enhances border delineation.

Advanced Needle Visualisation – aids needle visualisation while maintaining striking image quality of the target and surrounding anatomy.

CUSTOMISED FOR YOUR HOSPITAL OR OFFICE PRACTICE

Anaesthesia: S-Nerve™ System: Safely and accurately guide regional nerve blocks, upper and lower extremity nerves, caudal and neuraxial epidurals, and provide visualisation for central line placements.

Critical Care: S-ICU™ System: Eliminate delays, increase patient safety and reduce the risk of complications, while performing bedside cardiac and abdominal evaluations, DVT exams, and guide line placements.

Emergency Medicine: S-FAST™ System: Visualise cardiac, abdominal and pelvic structures for emergency and diagnostic evaluations, and safely guide procedures such as vascular access.

Interventional Radiology: S-Cath™ System: Improve patient safety practices with visualisation to guide biopsies, line and stent placement, and perform abdominal and cardiovascular imaging applications.

Musculoskeletal: S-MSK™ System: Perform diagnostic and interventional procedures, detect early joint damage and inflammation, and use as a guidance tool for injections and aspirations.

Ob/Gyn: S-Women's Health™ System: Quickly and confidently locate masses, target lesions, guide biopsies, and initiate a proper course of treatment for each patient.



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Seamlessly archive and store images with DICOM® 3.0 using Ethernet or wireless capabilities

Crisp and clear imaging, featuring SonoHD™ Imaging Technology – with 16x the processing power of our previous generation

Mount your system at the point of care for instant ultrasound access and a zero footprint or use it on a highly manoeuvrable S Series V-Universal™ Stand

Optimise your target with just two controls – one for depth, one for gain

Transducer cable length of up to six feet



To learn more about our products contact us at **01462 444800** or visit **www.sonosite.com/products/s-series**

MAIN FEATURES AT A GLANCE

- Premium image quality
- Drop tested at 91.4 cm/3 feet
- Splash resistant user interface
- Transducers interchangeable with M-Turbo® system
- Quick boot-up time
- Easy to operate



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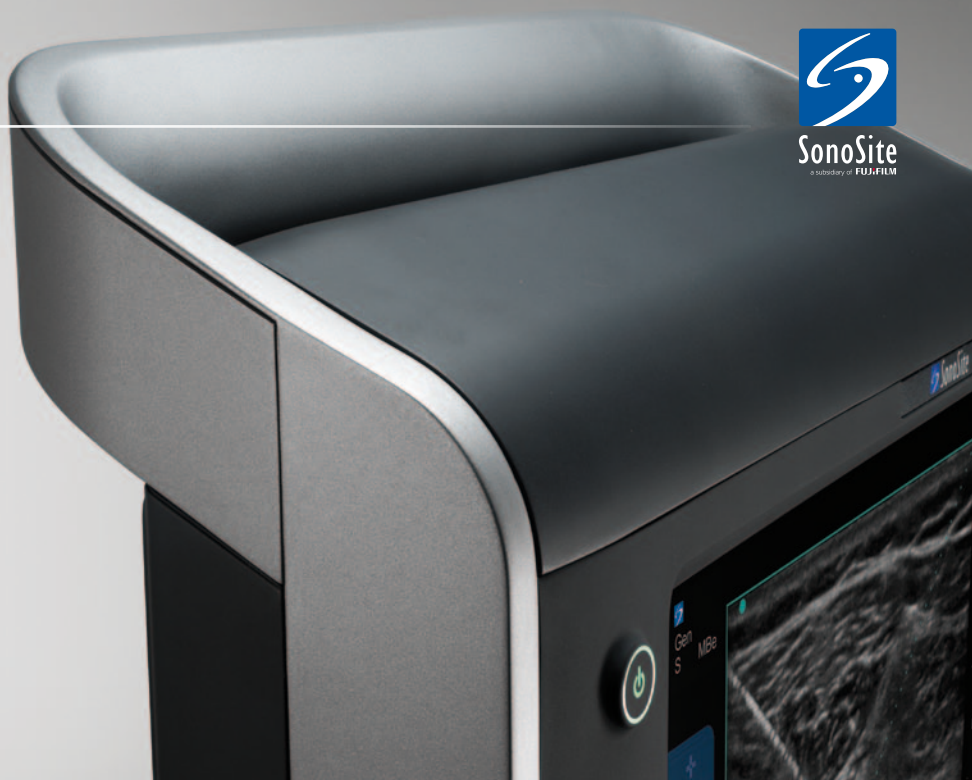
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S SERIES™

SYSTEM SPECIFICATIONS



THE S SERIES™ ULTRASOUND SYSTEM FROM SONOSITE



SYSTEM SPECIFICATIONS:

System weight	3.8 kg/8.5 lbs.
Dimensions	38.4 cm x 29.5 cm x 15.5 cm /15.1" x 11.6" x 6.1" (H x W x D)
Display	26.4 cm/10.4" diagonal LCD (NTSC or PAL)
Architecture	All-digital broadband
Dynamic range	Up to 165 dB
Gray scale	256 shades
HIPAA compliance	Comprehensive tool set

IMAGING MODES AND PROCESSING:

Broadband, Multifrequency Imaging:

- 2D / Tissue Harmonic Imaging / M-Mode
- Colour Doppler, Colour Power Doppler
- PW, PW Tissue Doppler, and CW

Image processing:

- SonoADAPT™ Tissue Optimisation
- SonoHD™ Imaging
- SonoMB® Multi-beam Imaging
- Enhanced Needle Visualisation (SonoMBe™ Imaging)
- Auto Gain automatic image optimisation
- Dual Imaging

MOUNTING OPTIONS:

Video Electronics Standards Association (VESA®) Mounting:

- (75 mm x 75 mm/2.9" x 2.9")
and (100 mm x 100 mm/3.9" x 3.9")

Optional V-Universal™ Stand:

- Hydraulic height adjustment, shelf for printer or DVD, transducer holder, locking wheels, power supply
- Storage basket with 2 basket hooks, keyboard tray with 4 integrated transducer cups

TRANSDUCERS:

Broadband and Multifrequency:

- Linear Array, Curved Array, Phased Array, Multiplane TEE and Micro-Convex

PREMIUM PACKAGE:

Optional software solution that enables the S Series systems to use all transducers and perform all examination types

USER INTERFACE AND PROGRAMMABLE CONTROLS:

- Track pad with select key for easy operation and navigation
- Image acquisition keys: review, report, Clip Store, DVD, save
- Dedicated AutoGain and exam keys to allow quick activation

ONBOARD IMAGE AND CLIP STORAGE/REVIEW:

- 4 GB internal Flash memory storage capability: Potential to store 25,000 images or 430 2-second clips
- Clip Store capability (maximum single clip length: 60 seconds)
- Cine review up to 255 frame-by-frame images

USB STORAGE FORMATS:

MPEG-4 (H.264), JPEG, BMP and HTML compatible with Mac and PC formats

POWER SUPPLY:

- System operates via battery or AC power
- Rechargeable lithium-ion battery
- AC: universal power adapter, 100-240 VAC, 50/60 Hz input, 15 VDC output





EXTERNAL DATA MANAGEMENT AND WIRELESS:

- 3 USB 2.0 ports, Ethernet port, RS-232
- Digital Video Interface (DVI), S-Video (in/out) and composite video out

DICOM® Image Management (TCP/IP):

- Print and Store
- Multi-Modality Work List Query

Storage Commit:

- Modality Performed Procedure Step
- SiteLink™ Image Manager functionality
- SonoSite® Education Key™ training video compatible
- Wireless DICOM®

MEASUREMENT TOOLS, PICTOGRAMS AND ANNOTATIONS:

- **2D:** Distance calipers, ellipses and manual trace
- **Doppler:** Velocity measurements, pressure half time, auto and manual trace
- **M-Mode:** Distance and time measurements, heart rate calculation
- User-selectable text and pictograms
- User-defined, application-specific annotations
- Biopsy guidelines
- ACO™ (automated cardiac output) calculations

SUPPORTED PERIPHERAL DEVICES:

- B&W video printer
- DVD recorder
- USB keyboard
- USB bar code reader

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DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.



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S SERIES™

TRANSDUCERS



**READY FOR
A COMPLETE
RANGE OF
APPLICATIONS**

Both the M-Turbo® and S Series™ system product lines are based on SonoSite's fourth-generation technology and their transducers are interchangeable. Proprietary software algorithms automatically adjust transducers to perform optimally for the specific clinical application of each S Series system product configuration. You get the same razor-sharp image, the same reliability, and the same five-year warranty on all SonoSite-manufactured transducers.



TECHNOLOGY DRIVEN
5-YEAR STANDARD WARRANTY
MADE IN THE USA

L38xi  10-5MHz Linear Applications: breast CIMT musculoskeletal nerve small parts vascular venous Scan depth: 9 cm	HFL38x  13-6MHz Linear Applications: breast CIMT musculoskeletal nerve small parts vascular venous Scan depth: 6 cm	HFL50x  15-6MHz Linear Applications: breast musculoskeletal nerve small parts Scan depth: 6 cm	L25x  13-6MHz Linear Applications: musculoskeletal nerve superficial vascular venous ophthalmic Scan depth: 6 cm	C11x  8-5MHz Curved Applications: abdominal neonatal nerve vascular cardiology (Vet) Scan depth: 10 cm	C60x  5-2MHz Curved Applications: abdominal musculoskeletal nerve ob gyn Scan depth: 30 cm
ICTx  8-5MHz Curved Applications: ob gyn Scan depth: 13 cm	P21x  5-1MHz Phased Applications: abdominal cardiology ob orbital TCD Scan depth: 35 cm	P10x  8-4MHz Phased Applications: paed. abdominal paed. cardiology neonatal head Scan depth: 14 cm	SLAx  13-6MHz Linear Applications: musculoskeletal nerve superficial vascular venous Scan depth: 6 cm	TOEx/TEE*  8-3MHz Multi Applications: adult cardiology multiplane trans-oesophageal 180° rotation of the imaging plane, providing a 360° field of view Scan depth: 18 cm	

	L38xi	HFL38x	HFL50x	L25x	C11x	C60x	ICTx	P21x	P10x	SLAx	TOEx/TEE*
S-Nerve system	●	●	●	●	●	●				●	●**
S-FAST system	●	●	●	●		●	●	●			●**
S-ICU system	●	●		●	●	●		●	●		●**
S-Cath system	●	●	●	●		●		●	●		●**
S-MSK system	●	●	●	●		●				●	●**
S-Women's Health system	●	●	●			●	●	●			●**

* Available with the S Series system Premier Transducer Package software upgrade. **Note: S Series system Premier Transducer Package.

Needle guide kits available with the following transducers – L38xi, HFL38x, HFL50x, C60x, ICTx, P10x, and P21x. A transverse needle guide is available with the L25x transducer.

For detailed information, please visit www.sonosite.com/products/s-series, or speak with your SonoSite customer representative.

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