



TAKE A CLOSER LOOK AT SONOSITE'S NEW EDGE ULTRASOUND SYSTEM

The Edge® ultrasound system is SonoSite's fifth generation of point-of-care ultrasound. The screen is noticeably larger so you can see the ultrasound image from across the patient or across the room. Enhanced image quality aids your diagnostic confidence. Rapid boot-up takes you from power-on to scanning in less than 20 seconds. A magnesium shell with a solid aluminium core drop-tested at 91.4 cm/3 feet helps to protect your investment for the long term. And a splash resistant silicone keyboard makes cleaning and disinfecting that much easier. With the Edge ultrasound system, you have access to a new generation of point-of-care visualisation.

EDGE TECHNOLOGY FROM SONOSITE

SonoHD2™ Second Generation Imaging Technology – provides a new series of image enhancement algorithms that reduce speckle noise and image artifacts to give the Edge ultrasound tool a new standard in point-of-care visualisation image quality.

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

SonoMB® Multi-beam Imaging – increasing resolution of small structures and enhancing border delineation.

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

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

POINT-OF-CARE APPLICATIONS INCLUDE:

Anaesthesia, Critical Care, Cardiology, Cardiovascular Disease Management, Emergency Medicine, Musculoskeletal, Ob/Gyn, Radiology, Vascular, Surgery, Shared Service, Women's Health.



30.7 cm/12.1" LCD monitor

Large clinical image area

PC- and Mac-friendly for effortless data management with 2 high-speed USB 2.0 ports

3.85 kg/8.5 lbs. with battery

Backlit keyboard

Splash resistant keyboard for easy cleaning

Solid aluminium core



MAIN FEATURES AT A GLANCE

- A new level of image quality
- Splash-resistant, sealed, silicone keyboard
- Solid aluminium core and magnesium shell provides maximum durability
- Less than 20 second boot-up
- Drop-tested at 91.4 cm/3 feet



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INTRODUCING THE NEW EDGE® ULTRASOUND SYSTEM FROM SONOSITE

SYSTEM SPECIFICATIONS:

| | |
|-------------------------|---|
| System weight | 3.85 kg/8.5 lbs. with battery |
| Dimensions | 32.7 cm x 31.5 cm x 6.4 cm / 12.9" x 12.4" x 2.5" (L x W x H) |
| Display | 30.7 cm/12.1" 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
- Velocity Colour Doppler / Colour Power Doppler
- PW, PW Tissue Doppler and CW
- Doppler angle, correct after freeze

Image processing:

- SonoADAPT™ Tissue Optimisation
- SonoHD2™ Imaging Technology
- Advanced Needle Visualisation
- Dual Imaging, Duplex Imaging, 2x pan/zoom capability, Dynamic range and gain
- ColorHD™ Technology

USER INTERFACE AND REMAPPABLE CONTROLS:

- Softkeys to drive advanced features
- Programmable A and B keys: each can be assigned by the user for increased ease of use
- Silicone splash resistant sealed QWERTY keyboard
- Track pad with select key for easy operation and navigation
- Doppler controls: angle, steer, scale, baseline, gain and volume
- Image acquisition keys: review, report, Clip Store, save
- Dedicated AutoGain and exam keys to allow quick activation
- Colour controls: size/position, angle, scale, baseline and invert

TRANSDUCERS:

Broadband/Multifrequency:

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

Single Frequency:

- Cardiac Static Pencil

APPLICATION SPECIFIC CALCULATIONS:

OB/Gyn/Fertility: Diameter/ellipse measurements, volume, ten follicle measurements, estimated foetal weight, established due date, gestational age, last menstrual period, growth charts, user-defined tables, multiple user-selectable authors, ratios, amniotic fluid index, patient report, humerus and tibia measurement and charts

Vascular: Diameter/ellipse/trace measurements, volume, volume flow, percent diameter and area reduction, Lt/Rt CCA, ICA, ECA, ICA/CCA ratio, time average mean (TAM), peak trace, ICA/CCA ratio, angle correction, patient report

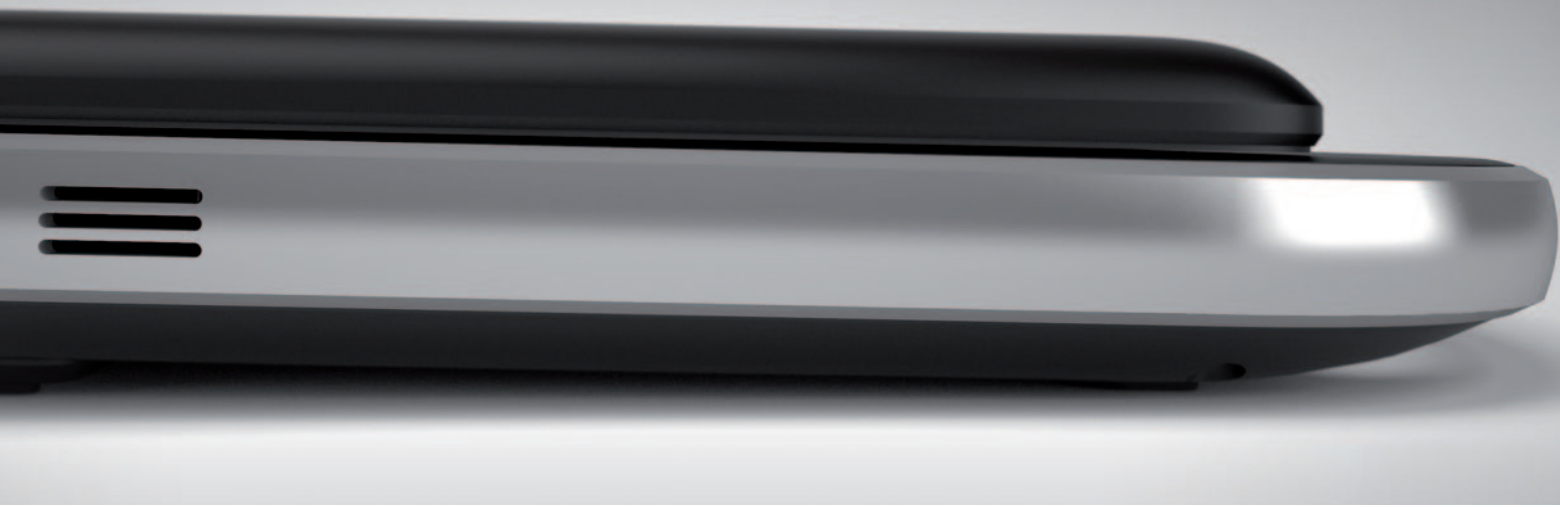
CIMT (Carotid Intima Media Thickness):

Embedded SonoCalc® IMT software (optional)
- automatic edge detection with mean and maximum thickness reporting

Cardiac: Automated Cardiac Output package and patient report including: ventricular, aortic and atrial measurements; ejection fraction, volume measurements, Simpson's rule, continuity equation, pressure half-time and cardiac output; PA AT, TV E, A, PHT, TVI, MV time, Pulm Veins

Transcranial Doppler (TCD): Complete TCD package including Time Average Peak (TAP)





ONBOARD IMAGE AND CLIP STORAGE/REVIEW:

- 8 GB internal Flash memory storage capability
Potential to store 30,000 images or 960 2-second clips
- Clip Store capability (maximum single clip length: 60 seconds)
- Clip Store capability via either number of heart cycles (using the ECG) or time base. Maximum storage in ECG beats mode is 10 heart cycles. Maximum storage in time base mode is 60 seconds
- Cine review up to 255 frame-by-frame images

MEASUREMENT TOOLS, PICTOGRAMS AND ANNOTATIONS:

2D: Distance calipers, ellipse 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

EXTERNAL DATA MANAGEMENT AND WIRELESS:

- SonoSite® Workflow Solutions (SWS™): Streamlines exam management for billing, credentialing, archive & EMR Integration
- PC/Mac export configuration
- Export BMP, JPEG or DICOM images to a USB device
- Storage capacity alert if internal storage memory is less than 10%

DURABILITY:

- Drop-tested at 91.4 cm/3 feet

CONNECTIVITY:

- S-video (in/out) to VCR for record and playback
- DVI output
- Composite video output (NTSC/PAL) to VCR or video printer
- Audio output
- Integrated speakers
- Ethernet or wireless image/data transfer
- USB ports (2)
- RS-232 transfer
- **DICOM® Image Management:** Store, Print, Storage Commit, Modality Worklist, MPPS

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
- Less than 20 sec. from power-on to scanning

EDGE STAND AND PERIPHERALS:

- Transducer and gel holders
- Optional Triple Transducer Connect (TTC) to quickly activate transducers electronically
- Optional foot switch

OPTIONAL PERIPHERALS:

- Printers:** Medical-grade black and white or colour
- External data input devices:** Bar code reader
- ECG module:** 3-lead ECG – works with standard ECG leads and electrodes
- External analog ECG input also available

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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.



A splash resistant silicone keyboard for easy cleaning and infection control.



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EDGE[®]

TRANSDUCERS
















**READY FOR
A COMPLETE
RANGE OF
APPLICATIONS**



SonoSite designs, manufactures and tests transducers in-house with real-world customer needs in mind. Our transducers exceed stringent military specifications for drop testing so you can use them with confidence in the most demanding of environments. Maybe that's why SonoSite is the only ultrasound company to offer an industry leading 5-year warranty on the transducers it manufactures.



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|--|--|---|--|--|---|
| <p>L38xi</p>  <p>10-5MHz Linear</p> <p>Applications: breast CIMT musculoskeletal nerve small parts vascular venous</p> <p>Scan depth: 9 cm</p> | <p>HFL38x</p>  <p>13-6MHz Linear</p> <p>Applications: breast CIMT musculoskeletal nerve small parts vascular venous</p> <p>Scan depth: 6 cm</p> | <p>HFL50x</p>  <p>15-6MHz Linear</p> <p>Applications: breast musculoskeletal nerve small parts</p> <p>Scan depth: 6 cm</p> | <p>L25x</p>  <p>13-6MHz Linear</p> <p>Applications: musculoskeletal nerve superficial vascular venous ophthalmic</p> <p>Scan depth: 6 cm</p> | <p>C8x</p>  <p>8-5MHz Curved</p> <p>Applications: prostate (transrectal)</p> <p>Scan depth: 11.5 cm</p> | <p>C11x</p>  <p>8-5MHz Curved</p> <p>Applications: abdominal neonatal nerve vascular cardiology (Vet)</p> <p>Scan depth: 10 cm</p> |
| <p>C60x</p>  <p>5-2MHz Curved</p> <p>Applications: abdominal musculoskeletal nerve ob gyn</p> <p>Scan depth: 30 cm</p> | <p>ICTx</p>  <p>8-5MHz Curved</p> <p>Applications: ob gyn</p> <p>Scan depth: 13 cm</p> | <p>P21x</p>  <p>5-1MHz Phased</p> <p>Applications: abdominal cardiology ob orbital TCD</p> <p>Scan depth: 35 cm</p> | <p>P10x</p>  <p>8-4MHz Phased</p> <p>Applications: paed. abdominal paed. cardiology neonatal head</p> <p>Scan depth: 14 cm</p> | <p>SLAx</p>  <p>13-6MHz Linear</p> <p>Applications: musculoskeletal nerve superficial vascular venous</p> <p>Scan depth: 6 cm</p> | <p>D2x</p>  <p>2MHz Pencil</p> <p>Applications: cardiology (CW)</p> <p>Scan depth: N/A</p> |
| <p>L52x (Vet)</p>  <p>10-5MHz Linear</p> <p>Applications: musculoskeletal ob vascular</p> <p>Scan depth: 15 cm</p> | <p>Needle guides and kits available with the following transducers – L38xi, HFL38x, HFL50x, C60x, ICTx, P21x, C8x and L25x. A transverse needle guide is available with the L25x transducer.</p> <p>For detailed information, please visit: www.iit.hr</p> <p>Edge, SonoSite, the SonoSite logo, and other trademarks not owned by third parties are registered or unregistered intellectual property of SonoSite, Inc., a subsidiary of FUJIFILM.</p> | | | | |

