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V.A. Medical Center  
JERRY L PETTIS  
VETERANS HOSPITAL  
11201 BENTON ST  
LOMA LINDA, CA 92357

PO# 605-B30004

## Configuration - Included

Item	Part Number -	Qty
- SonoSite EDGE		1

SonoSite EDGE high-resolution, all-digital, 8.5-pound (3.85 kg) ultrasound system with 12.1in. LED display. This product is designed with SonoSite's proprietary Chip Fusion Technology that integrates digital signal processing and multiple system functions into a custom application-specific integrated circuit (ASIC) microchip. As a result complex system functions that typically require several large circuit boards can be accomplished using a small chip in a compact space. SonoSite EDGE high-resolution, all-digital, 8.5-pound (3.85 kg) ultrasound system with 12.1in. LED display. This product is designed with SonoSite's proprietary Chip Fusion Technology that integrates digital signal processing and multiple system functions into a custom application-specific integrated circuit (ASIC).

The purchase of the EDGE visualization tool includes the following software technologies:

- 2D grayscale with SonoMB Multi Beam Technology
- Auto Gain with SonoADAPT Tissue Optimization Technology
- M-Mode
- Clips Storage
- Application specific calculation packages

The EDGE combines the high performance of cart-based systems with the speed, flexibility and durability of hand-carried ultrasound. 8 GB of on-board Flash memory will retain enough data for over 40 standard exams (or 2,400 seconds of clips, 1,200 still frames and 40 report pages) even after power is turned off. The system supports USB

media playback, and connectivity is accomplished through one of two USB slots on the system, which allow for direct sharing of images (JPEG) and Clips (MPEG4) to a PC or Mac. Additional connectivity

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Item Part Number -

Qty

is achieved via the EDGE Mini-Dock, to meet your specific needs. The system supports a HIPAA compliance tool set for the protection of sensitive information and PC direct connectivity capability (through USB Memory Stick or via SiteLink and USB Cable ordered separately). EDGE's reliability and durability are backed by a five-year standard warranty, which is included in the price of the system. Software upgrades to the main system and transducer databases are accomplished through one of two USB ports on the system. Also includes battery, ultrasound gel, and user guide on a CD (Printed user guides also available as a purchasable option).

Additional features available to add to the Edge system include: SonoMBe, PW Doppler, TDI PW, CW Doppler, DICOM, Worksheets, and a full array of multi-frequency, broadband transducers.

Included with the purchase of your SonoSite EDGE, you will receive the system battery, ultrasound gel, a user guide CD.

- Color Application Software Package Edge

1

This package provides the following capabilities for the transducers that support these features:

- Tissue Harmonic Imaging (THI), a capability in which the system transmits at one frequency and receives at a higher harmonic frequency to reduce noise and clutter and improve resolution.
- SonoHD Imaging Technology, technology which significantly reduces speckle noise while enhancing tissue margins, thereby dramatically improving contrast and structural resolution.
- Velocity color flow imaging provides the clinician with the color sensitivity to perform color Doppler examinations with all transducers during a clinical procedure.
- PW Doppler is available on all transducers.
- CW Doppler is a quantitative assessment of blood flow with Duplex imaging for higher flow velocities.

- DICOM Bundle (Print/Store/Worklist Mpps Sc)

1

The DICOM complete package includes the capability to interface with your PACS network with the complete offering of DICOM Print, Store, Worklist, storage commit, and modality perform procedure step.

- Credentialing Worksheets

1

Allows up to four separate worksheets to be filled out by the resident physician. Available worksheets are: AAA, FAST, Gallbladder, and Kidney. When used with SiteLink 4.1.0, this allows you to generate PDF or HTML files with linked images and completed data fields from each worksheet.

- SonoMBe, EDGE

1

Proprietary software that enhances the systems ability to aid needle

- C60X / 5-2 MHZ Transducer Biopsy Compatible

1

C60x / 5-2 MHz multi-frequency, broadband, 60 mm curved array transducer for general purpose, abdominal, obstetric, gynecology, and nerve exams. Supports 2D with SonoMB Multi Beam Technology and Auto Gain capabilities, SonoHD Imaging Technology, Tissue Harmonic Imaging, M-mode, Color Power Doppler, Velocity Color Flow Doppler and Pulsed Wave Doppler. Biopsy guide available. 1-meter drop-test durability.



Item	Part Number -	Qty
-	EDGE Stand	1
	Ergonomic stand and mobile work platform for the EDGE system and transducers. Complete with power supply, mini-dock and accessory basket. OEM peripherals include: B/W or color printer. Unable to use together	
-	Sony Up 897 Md Black & White Video Printer	1
	Medical grade, monochrome video printer with interface cables. Worldwide power (100V-240V, 50/60Hz) and video (NTSC/PAL). North American power cord supplied by manufacturer.	
-	Triple Transducer Connect (TTC) w/ quick disconnect	1
	Three-transducer module for mobile docking system that allows connection of up to three transducers simultaneously while the system is docked in the Stand	
-	User Guide EDGE	1
	EDGE Ultrasound System User Guide,	
-	Service Manual, Edge	1
	EDGE Ultrasound System Service	
-	Service Manual, Edge	1
	EDGE Ultrasound System Service	
-	On-Site Service BioMed Training	1
	Service BioMed Training On site - ONE DAY All attendees will be required to provide their own transportation to and from SonoSite, as well as accommodations. A hotel room close to SonoSite can be reserved at a discounted rate for any attendees interested in the training.  Maximum of 10	
145-YR-WARRANTY - 60 MONTHS - STANDARD COVERAGE		1
	60 MONTHS - STANDARD COVERAGE	





## 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 aluminum core drop-tested at 3 feet/91.4 cm 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 visualization.

### EDGE TECHNOLOGY FROM SONOSITE

SonoHDr 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 visualization image quality

SonoADAPV Tissue Optimization — eliminating complicated manipulation of multiple controls.

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

Advanced Needle Visualization — aiding needle visualization while maintaining striking image quality of the target and surrounding anatomy.

ColorHD® Technology — increasing color performance, sensitivity and frame rates for more diagnostic information.

### PONTOFCARE APPLCATIONS NCLUDE:

Anesthesia, Critical Care, Cardiology, Cardiovascular Disease Management, Emergency Medicine, Musculoskeletal, OB/Gyn, Radiology, Vascular, Surgery, Women's Health.

To learn more about our products contact us at 1 (877) 6578050 or visit [www.sonosite.com/products/edge](http://www.sonosite.com/products/edge)



**EDGE®**

**DESIGNED FOR THE POINT OF CARE**



12.1" 130.7 cm LCD monitor

Large clinical image area

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

8.5 lbs. 13.85 kg with battery

Backlit keyboard

Splash-resistant keyboard for easy cleaning



MADE IN THE USA

Solid aluminum core

**TECHNOLOGY DRIVEN**  
5-YEAR STANDARD WARRANTY

5 YEAR

unregistered intellectual property of SonoSite, Inc. a subsidiary of FUJIFILM.

## MAIN FEATURES AT A GLANCE

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





o Outw...ry Or **FUJIFILM**

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SonoSite Ltd - China - Shanghai

SonoSite Ltd - United Kingdom

SonoSite SARL - France

# 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.

5 YEAR

**TECHNOLOGY DRIVEN**  
5-YEAR STANDARD WARRANTY  
MADE IN THE USA

# EDGE

## TRANSDUCERS

SonoSite

**L38xi**




**10-12MHz Linear**

Applications:

- breast
- IMT
- musculoskeletal
- nerve
- small parts
- vascular
- venous

Scan depth: 11.5 cm

**HFL38x**




**13-16MHz Linear**

Applications:

- breast
- IMT
- musculoskeletal
- nerve
- small parts
- vascular
- venous

Scan depth: 6 cm

**HFL50x**




**15-18MHz 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

**C8x**




**8-9MHz Curved**

Applications:

- prostate (trans)

Scan depth: 11.5 cm

**D2x**




**7MHz Penetrating**

Applications:

- cardiology (CM)

Scan depth: N/A

**10-5MHz Linea**




Applications:

- musculoskeletal
- ob
- vascular

Scan depth: 15 cm

**C60x**



**5-2MHz Curved**

Applications:

- abdominal
- musculoskeletal
- nerve
- ob
- gyn

Scan depth: 30 cm

**ICTx**




**8-11MHz Linear**

Applications:

- ob
- gyn

Scan depth: 13 cm

**P21x**



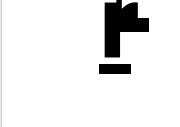
**5-11MHz Endocavitary**

Applications:

- abdominal
- cardiology
- ob
- orbital
- TCD

Scan depth: 35 cm

**P14x**




**14MHz Phased Array**

Applications:

- ped. abdominal
- ped. cardiology
- neonatal head

Scan depth: 14 cm

**P11x**



**11MHz Phased Array**

Applications:

- musculoskeletal
- nerve
- superficial
- vascular
- venous

Scan depth: 6 cm

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.

For detailed information, please visit: [www.sonosite.com/products/edge](http://www.sonosite.com/products/edge) or speak with your SonoSite customer representative.

## Quick Reference Guide:

Edge, SonoSite, the SonoSite Ingo, and other trademarks not owned by third parties are registered or unregistered intellectual property of SonoSite, Inc.

**5**  
YEAR

TECHNOLOGY DRIVEN  
5-YEAR STANDARD WARRANTY  
MI MADE IN THE USA

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# Advanced Needle Visualisation Technology

Advanced Needle Visualisation, a proprietary and patented software algorithm from SonoSite, clearly enhances needle visualisation while maintaining striking image quality of the target and surrounding anatomy. Advanced Needle Visualisation (SonoMBe<sup>™</sup> Imaging) is easy to use and requires no setup time, additional hardware, or expensive needles.

This guide provides practical tips on using this technology to fully optimise visualisation of the needle at various angles and depths.

## To Get Started:

- In 2D imaging, select page 2 using the soft key menu.
- Select SonoMBe.
- Change LT/RT lip to align for the needle approach.
- Choose a Shallow, Medium, or Steep angle depending upon the depth of the target structure.
- place the target on the needle side of the angle guide (dotted green line).
- For best visualisation of the needle shaft and tip, insert the needle so that it is perpendicular to the angle guide.
- Use the area defined by the green line for maximum visibility of the needle, keeping the needle on the needle side of the angle guide.
- To return to 2D imaging only, select Off.

# Advanced Needle Visualisation Technology



Note that the needle path is perpendicular to the angle guide and the target structure is inside the angle guide area.



Note incorrect placement of target structure outside the needle guide area. In this case the target structure should be positioned to the left of the dotted green.

Dr. David Auyong  
Staff Anesthesiologist, Seattle, Washington

[www.sonosite.com/needlevisualization](http://www.sonosite.com/needlevisualization)

## SonoSite's industryleading Warranty

SonoSite's technology-driven, 5-year standard warranty covers damage to the system and SonoSite manufactured transducers due to defective materials, workmanship, and/or failure to operate in accordance with specifications in the User Guide. We will provide customers with loaner equipment of systems and transducers the next day where delivery is available. Additional coverage is available for purchase.



### 5-year warranty inclusions:

M-Turbo® and S Series— ultrasound systems. Transducers: C60x, HFL38x, L38xi, L25x, C11x, ICTx, P10x, P21x, HFL50xMicroMaxx® ultrasound system. Transducers: C60e, HFL38, L38e, P10, L25e, C11e, ICTe, P17  
NanoMaxx— ultrasound system. Transducers: C60n, L38n, L25n, C11n, P21n

### Cost savings from SonoSite's 5Year Standard Warranty

Year	SonoSite's 5Year Standard Warranty	Industry 1Year Standard Warranty*
1	\$0	\$0
2	\$0	\$4,000
3	\$0	\$4,000
4	\$0	\$4,000
5	\$0	\$4,000
Additional cost to customer	\$0	\$16,000

\* Based on \$50,000 purchase price and annual service contract of 10% of purchase price.

## Warranty for Accessories and OEM Transducers

SonoSite accessories, as well as products and accessories made by our manufacturing partners that carry the SonoSite label, are covered under a 1-year warranty that covers damage due to defective materials and workmanship, and/or failure of the accessories and transducers named below to operate in accordance with specifications in the User Guide.

### 1-year warranty inclusions:

Transducers: C8e, TOE/TEE, SLA, SLT, D2 (Cardiac static pencil)  
Accessories: H-Universal™ Stand, V-Universal™ Stand, SonoRemote™ Control

Please see SonoSite's Terms and Conditions for detailed coverage information on SonoSite's warranty offerings. Terms may vary for veterinary products.

Call (877) 657-8050 to speak to a SonoSite representative to find out more about these options or to ask about the status of your warranty.



**World leader and specialist in hand-carried ultrasound.**

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[www.sonosite.com/support/warranty.and.service](http://www.sonosite.com/support/warranty.and.service)







# How can we offer the best warranty in the industry?



When you build very durable products, you can eliminate annual service contracts and offer a 5-year warranty to deliver the lowest cost of ownership in point-of-care medicine

SonoSite's hand-carried and mounted ultrasound systems are the toughest in the industry. Built to exceed military specifications, our systems and proprietary transducers withstand a 3-foot drop onto a hard surface and resist fluid contamination. In the unlikely event your system or transducer needs repair, we have an overnight loaner program to minimize downtime.

SonoSite's third and fourth generation ultrasound systems come with the same industry-leading, 5-year warranty that you have come to expect from us. With an installed base of more than 50,000 systems worldwide, our technology-driven warranty is based on a proven record of reliability and durability—just one of the reasons customers give us a 99% satisfaction rating.

Visit [www.sonosite.com/support/warranty-and-service](http://www.sonosite.com/support/warranty-and-service) or call (877) 657-8050 to speak with a customer service representative.



*World leader and specialist in hand-carried ultrasound.*