

V.A. Medical Center  
MMS (WAREHOUSE) 90D  
130 W KINGSBRIDGE RD  
BRONX, NY 10468

PO# 526-B30902

## Configuration - Included

Item	Description	Qty			
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- 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



Item

Qty

direct sharing of images (JPEG) and Clips (MPEG4) to a PC or Mac. Additional connectivity 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.

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

- 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.

- 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.

- L38xi / 10-5 MHz transducer Biopsy Compatible

1

L38xi / 10-5 MHz multi-frequency, broadband, 38 mm linear array transducer.

Supports 2D with SonoMB Multi-beam Imaging and auto gain capabilities, SonoHD Imaging Technology, M-Mode, Color Power Doppler, velocity Color Flow Doppler, and Pulsed Wave Doppler. Maximum scan depth 9 cm.

- P21X / 5-1 MHz Transducer Biopsy Compatible

1

P21x / 5-1 MHz phased array transducer for cardiac, abdominal and obstetric, TCD and orbital exams. Supports 2D with SonoMB Multi Beam Technology and Auto Gain capabilities, SonoHD Imaging Technology, Tissue Harmonic Imaging, M-Mode, Velocity Color Flow Doppler, Color Power Doppler, Pulsed Wave, TDI Pulsed Wave, and Continuous Wave Doppler. 1 meter drop-test durability. Maximum depth is 35 cm.

- EDGE Stand

1

Ergonomic stand and mobile work platform for the EDGE system and transducers. Complete with power supply and mini-dock and accessory basket. OEM peripherals include: B/W or color printer. Unable to use together



Item	Qty
- 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.	
- Control Panel, English, Edge	1
CONTROL PANEL, ENGLISH,	
- User Guide, EDGE, Paperless (CD Only)	1
User Guide, EDGE, Paperless (CD	
- 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 Edge Stand	
- North American Power Cord	1
North American style power cord, available at no charge if ordered with SonoSite system, SiteCharge battery charger, any docking station or power supply.	
- 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	
155-YR-WARRANTY - 60 MONTHS - STANDARD COVERAGE	1
60 MONTHS - STANDARD COVERAGE	
- SonoSite Workflow Solutions	1
SonoSite Workflow Solutions (SWS) provides clinicians a department-based solution, or local means, to store and manage ultrasound studies performed on SonoSite systems. SWS installations include a suite of specialized tools including an Image Browser, Image Viewer, Patient data reconciliation, Patient Worksheet Completion and Report Generation. The SWS software package is Operating System agnostic allowing installation on both PC and MAC platforms.	
- Clinical Applications Training	1

# INTRODUCING THE NEW EDGE® ULTRASOUND SYSTEM FROM SONOSITE

## SYSTEM SPECIFICATIONS:

System weight	8.5 lbs./3.85 kg with battery
Dimensions	12.9" x 12.4" x 2.5" / 32.7 cm x 31.5 cm x 6.4 cm (L x W x H)
Display	12.1"/30.7 cm diagonal LCD (NTSC or PAL)
Architecture	All-digital broadband
Dynamic range	Up to 165 dB
Gray scale	256 shades
HIPAA compliance	Comprehensive tool set

- Dedicated AutoGain and exam keys to allow quick activation
- Color controls: size/position, angle, scale, baseline and invert

## TRANSDUCERS:

### Broadband/Mult if requ en cy:

- Linear Array, Curved Array, Phased Array, Multiplane TEE (U.S. only) and Micro-Convex

### Single Frequency:

- Cardiac Static Pencil

## IMAGING MODES AND PROCESSING:

### Broadband, Multifrequency Imaging:

- 2D / Tissue Harmonic Imaging / M-Mode
- Velocity Color Doppler / Color Power Doppler
- PW, PW Tissue Doppler and CW
- Doppler angle, correct after Freeze

### Image processing:

- SonoADAPP Tissue Optimization
- SonoHDr Imaging Technology
- Advanced Needle Visualization
- Dual Imaging, Duplex Imaging, 2x pan/zoom capability, Dynamic range and gain
- ColorHr Technology

## USER INTERFACE AND REMAPPABLE CONTROLS:

- Soft keys 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 **APPLICATION SPECIFIC**

## CALCULATIONS:

**OB/Gyn/Fertility:** Diameter/ellipse measurements, volume, ten follicle measurements, estimated fetal 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

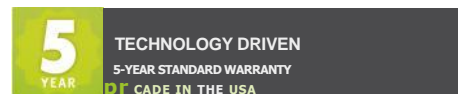
**Vascular:** Diameter/ellipse/trace measurements, volume, volume flow, percent diameter and area reduction, Lt/Rt CCA, ICA, ECA, ICA/CCA ratio, time average mean (TAM), peak trace, ICA/CCA ratio, angle correction, patient report

### 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:

- 8GB 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 (SWV): 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:

- Droptested at 3 feet/914 cm

### 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 color
- 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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Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Mac is a trademark of Apple Inc, registered in the U.S. and other countries.

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 keyboard for easy cleaning and infection control.

**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



**L38xi**



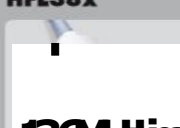
**10-5MHz Linear**

Applications:

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

Scan depth: 9 cm

**HFL38x**




**13-6MHz Linear**

Applications:

- breast
- IMT
- 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**




**12-6MHz Linear**

Applications:

- musculoskeletal
- nerve
- superficial
- vascular
- venous
- ophthalmic

Scan depth: 6 cm

**C8x**




**8-5MHz Curved**

Applications:

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

Scan depth: 11.5 cm

**C60x**



**5-2MHz Curved**

Applications:

- abdominal
- musculoskeletal
- nerve
- ob
- gyn

Scan depth: 30 cm

**ICTx**




**8-5MHz Curved**

Applications:

- abdominal
- cardiology
- ob
- gyn
- neonatal head

Scan depth: 13 cm

**P21x**



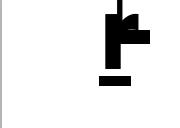
**5-1MHz Phased**

Applications:

- abdominal
- cardiology
- ob
- orbital
- TCD

Scan depth: 35 cm

**L25x**




**12-6MHz Linear**

Applications:

- musculoskeletal
- nerve
- superficial
- vascular
- venous
- ophthalmic

Scan depth: 6 cm

**C8x**




**8-5MHz Curved**

Applications:

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

Scan depth: 11.5 cm

**D2x**




**7MHz Penail**

Applications:

- cardiology (CM)

Scan depth: N/A

**10-5MHz Linea**



Applications:

- musculoskeletal
- ob
- vascular

Scan depth: 15cm

Needle guides and kits available with the following transducers - L38xi, HFL38x, HFL50x, C60x, ICTx, P21 x, 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.

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## Universal Stand

The universalstand offers physicians a more ergonomic design with a lighter, more robust, and modular architecture. Idealfor point-of-care ultrasound applications, the universalstand can be easily maneuvered through crowded hospitalcorridors and optimally positioned at the patient's bedside or in other space-constrained areas. The H-Universal Stand and the V-Universal Stand's are compatible with our third and fourth generation products.

The universalstand can be upgraded to incorporate SonoSite Power Solutions (see reverse side) to offer the most flexible options to meet the challenges of point-of-care environments.

### Features:

- Four transducer holders
- Cable hooks
- Locking wheels
- Storage basket
- Power supply
- Keyboard tray\*

### Peripherals (optional):\*\*

- Sony B&W printer
- Sony color printer
- Sony DVD recorder
- 15 in. auxiliary monitor\*\*\*
- Triple transducer connect\*\*\*

### Accessories:

- PowerPark—Dedicated charging station
- PowerPack—Extended battery pack

The H-UniversalStand can be configured with the M-Turbo® and MicroMaxx® ultrasound systems.

The V-UniversalStand can be configured with the S Series™ and NanoMaxx™ ultrasound systems.

\*V-UniversalStand only

\*\*V-UniversalStand only accommodates one periphera

\*\*\*H-UniversalStand only



Specifications		VUniversal Stand
Width:	20 in./50.8 cm	20 in./50.8 cm
Depth:	23 in./58.4 cm	23 in./58.4 cm
Height:	Min: 33 in./83.8cm. Max: 45 in./114.3 cm.	Min: 42.5 in./108 cm Max: 54.5 in./138.4 cm
Pneumatic height range:	12 in./30.5 cm	12 in./30.5 cm
Weight:	40.0 lbs./18.1 g	45.0 lbs./20.5 g

## PowerPark Dedicated Charging Station

For true mobility to any point-of-care location around the hospital or office, the PowerPark is a cordless and convenient charging solution for SonoSite ultrasound systems. The PowerPark provides a dedicated charging station while the ultrasound system is mounted on the stand. Just park and charge.

- Increase workflow and efficiency—System remains fully-charged
- Provide storage—Dedicated storage location for stand and ultrasound system
- Facilitate cord management—No need for ultrasound system electrical cords

Width	8.6 in./21.8 cm
Length	15 in./38.1 cm
Height	4.8 in./12.2 cm
Weight	20 lbs./9 kg

### Specifications:



The PowerPark and PowerPack are compatible with SonoSite's H Universal Stand and V Universal Stand. The PowerPark can be used with the MicroMaxx, NanoMaxx, M Turbo and S Series ultrasound systems and the PowerPack is compatible with the M Turbo, S Series and NanoMaxx ultrasound systems.

Product release is expected Q4 2010.

## PowerPack Extended Battery Pack

The ultimate power solution for hospital and office settings, SonoSite's PowerPack is an innovative and streamlined external battery pack. With the ability to double a system's battery life, the PowerPack provides improved flexibility and efficiency, enabling physicians to see more patients on a single battery charge. The PowerPack can be easily installed on the SonoSite universal stand for a ready-to-go charging solution.

- Improves flexibility and workflow
- Extends the operating time of the ultrasound system
- Reduces the need to seek a power supply outlet in the patient exam room

### Specifications:

Width	4 in./10.2 cm
Length	10 in./25.4 cm
Height	2 in./5.1 cm
Weight	1.4 lbs./0.6 kg



