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Value from Innovation

SonoSite Edge II

RUGGED.
RELIABLE.
RESPONSIVE.

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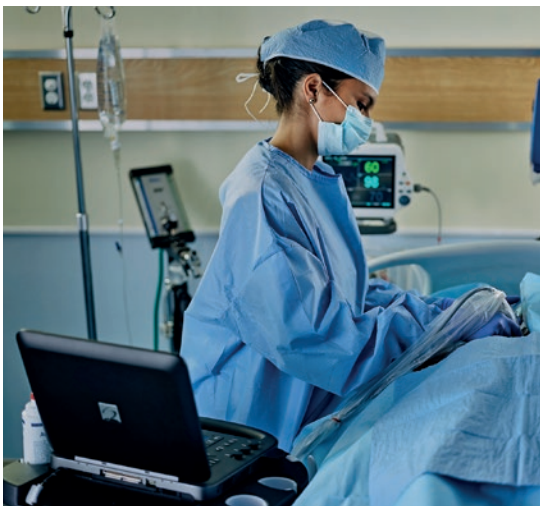
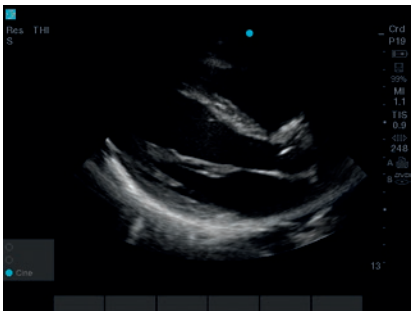
CLEAR ULTRASOUND DIAGNOSTICS FOR THOSE CRITICAL MOMENTS.

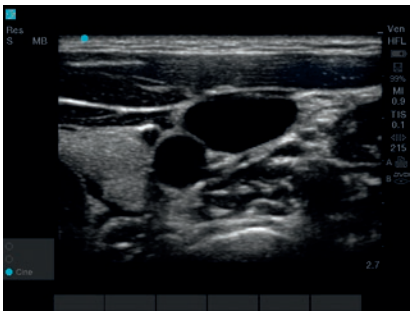
The SonoSite Edge II Ultrasound System offers you an enhanced imaging experience through industry-first transducer innovations like DirectClear and Armoured Cable Technology. And, because it is a SonoSite, the Edge II stays true to our design pillars of durability, reliability and ease of use.





rP19x – Parasternal Long Axis Cardiac

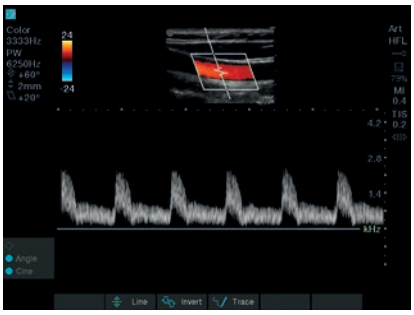
rC60xi – Inferior Vena Cava



HFL38xi – Internal Jugular Vein

rP19x – Subcostal Cardiac

rC60xi – Portal Vein



HFL38xi – Common Carotid

VISUALISATION, CLEARLY ENHANCED.

OPTIMISED IMAGING EXPERIENCE

DirectClear Technology is a novel, patent-pending process that elevates transducer performance:

- Improved penetration and contrast resolution: Unlike conventional SonoSite transducers, a more efficient material has been embedded into the design that allows for the generation of more acoustic signal. In parallel, a reflective layer has been added to reduce the loss of this signal, as it is transmitted into the patient.
- Sharpened detail resolution: An additional layer has been added to provide a better acoustic match between the transducer and the patient, increasing the ability to resolve small structures and aid in your diagnostic confidence.

ELEVATED COLOUR SENSITIVITY

Through a dualflex and thin lens design, combined with new advancements in image optimisation, the HFL38xi was enhanced to increase penetration, clarity and colour sensitivity. You can now better visualise nerves and vessels, whether it be for procedural guidance or flow analysis.

SonoSite Edge II

TAKING TRANSDUCER DURABILITY TO THE ARMOURED LEVEL

How often do transducer cables get rolled over, stepped on or twisted? Talking to our customers, the response is "all the time," "too often to count," or simply "a lot."

With an embedded metal jacket, armoured cables protect your transducers from these common scenarios. By safeguarding electrical connections inside, armoured cables help maintain image quality over the life of your transducer.

Standard Cable

Armoured Cable

ULTRASOUND FOR CLARITY AND CONFIDENCE.

5
TECHNOLOGY DRIVEN
5-YEAR STANDARD WARRANTY

Wide-angle display with anti-reflection etch for minimal adjustments during viewing

Keypad sealed to the edge to inhibit liquid ingress

Easy-to-use interface for intuitive access to frequently used functions like gain control

Low-profile keys with snap-dome technology for easy cleaning and tactile feedback

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SONOSITE EDGE II TRANSDUCERS

L38xi ●●

10-5 MHz Linear

Applications:
lung, nerve, small parts, arterial, venous

Scan depth: 9 cm

HFL38xi ●●

13-6 MHz Linear

Applications:
breast, lung, musculoskeletal, nerve, small parts, arterial, venous, ophthalmic

Scan depth: 6 cm

HFL50x ●

15-6 MHz Linear

Applications:
breast, musculoskeletal, nerve, small parts

Scan depth: 6 cm

L25x ●●●

13-6 MHz Linear

Applications:
lung, musculoskeletal, nerve, superficial, arterial, venous, ophthalmic

Scan depth: 6 cm

C11x

8-5 MHz Curved

Applications:
abdominal, neonatal, nerve, arterial, venous, cardiology (vet)

Scan depth: 13 cm

rC60xi ●●●

5-2 MHz Curved

Applications:
abdominal, musculoskeletal, nerve, ob, gyn

Scan depth: 30 cm

ICTx ●

8-5 MHz Curved

Applications:
ob, gyn

Scan depth: 13 cm

rP19x ●●●

5-1 MHz Phased

Applications:
abdominal, cardiology, lung, ob, orbital, TCD

Scan depth: 35 cm

P10x ●

8-4 MHz Phased

Applications:
paed. abdominal, paed. cardiology, neonatal head

Scan depth: 14 cm

HSL25x

13-6 MHz Linear

Applications:
lung, musculoskeletal, nerve, superficial, arterial, venous, ophthalmic

Scan depth: 6 cm

TOExi/TEExi

8-3 MHz Multi

Applications:
adult cardiology, multiplane transoesophageal 180° rotation of the imaging plane, providing a 360° field of view

Scan depth: 18 cm

L52x (Vet) ●

10-5 MHz Linear

Applications:
musculoskeletal, ob, arterial

Scan depth: 15 cm

C35x ●

8-3 MHz Curved

Applications:
abdominal, musculoskeletal, nerve, ob, spine

Scan depth: 16 cm

C8x ●

8-5 MHz Curved

Applications:
prostate

Scan depth: 11.5 cm

- ● **DirectClear Technology.**
- ● **Optional Armoured Cable.**
- ● **Needle guides and kits available.**
- ● **A transverse needle guide available.**

SYSTEM SPECIFICATIONS

System weight	4.18 kg/9.21 lbs with battery
Dimensions	32.6 cm x 30.7 cm x 6.4 cm/ 12.8" x 12.1" x 2.5" (L x W x H)
Display	30.7 cm/12.1" diagonal LCD (NTSC or PAL) with chemically-etched glass layer
Viewing Angles:	85 degrees up/down/left/right
Architecture	All-digital broadband
Dynamic range	Up to 165 dB
Gray scale	256 shades
HIPAA compliance	Comprehensive tool set

IMAGING MODES

2D / Tissue Harmonic Imaging / M-Mode

Colour Doppler and Velocity Colour

Pulsed Wave Doppler / Continuous Wave Doppler / ECG

IMAGE PROCESSING

SonoADAPT™ Tissue Optimisation

SonoHD2™ Imaging Technology

Dual Imaging, Duplex Imaging, 2x pan/zoom capability, Dynamic range and gain

ColorHD™ Technology

STEEP NEEDLE PROFILING

C35x – Nerve, MSK, Spine

HFL38xi – Nerve, MSK, Breast, Small Parts, Arterial, Venous

HFL50x – Nerve, MSK, Breast, Small Parts

L25x – Nerve, MSK, Arterial, Venous

HSL25x – Nerve, MSK, Arterial, Venous

L38xi – Nerve

rC60xi – Nerve, MSK

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

Low profile keyboard, sealed completely to edge for maximum infection control

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

Color controls: size/position, angle, scale, baseline and invert

TRANSDUCERS

Broadband/Multifrequency:

Armoured Cable Technology (Optional on L38xi, HFL38xi, L25x, rC60xi, rP19x, L52x)

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

Centre line marker for linear transducers

Exam types: abdominal, breast, cardiology, gyn, lung, musculoskeletal, neonatal, nerve, ob, ophthalmic, orbital, small parts, spine, superficial, TCD, arterial, venous

DURABILITY

Drop-tested at 91.4 cm/3 feet

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, HR, Foetal HR, MCA, UMBA, Ovarian Volume, Follicle Volume, Uterine Volume, Endometrial thickness

Arterial: Diameter/ellipse/trace measurements, volume, volume flow, percent diameter and area reduction, Lt/Rt CCA, ICA, ECA, ICA/CCA ratio, peak trace, ICA/CCA ratio, angle correction, patient report, HR, Bulb, Vertebral Artery, TAP

Cardiac: LVO, 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; IVC Collapse Ratio, LA/RA Volume, TAPSE, PA AT, TV E, A, PHT, TVI, MV time, Pulm Veins, LV Mass, TDI e', TDI a', HR, dP:dT, Qp/Qs

Ability to view EF and FS simultaneously

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

ONBOARD IMAGE AND CLIP STORAGE/REVIEW

16 GB internal flash memory storage capability

Storage support for up to 500 patients

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

Start/Stop toggle capability for clips

USB Auto Export

Encryption of patient data on system

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

CONNECTIVITY (EXTERNAL DATA MANAGEMENT)

SonoSite Patient Data Archival Software (PDAS) for Wireless/Wired Image management

Telexy Qpath E exam management compatibility

DICOM® Image Management (TCP/IP): Print and Store, Modality Work List, Storage Commit: Modality, Perform, Procedure Step

PC Workstation Image Management (TCP/IP, USB): Direct writing capability to USB 2.0 mass storage removable media (PC and MAC compatible)

Supported export formats: MPEG-4 (H.264), JPEG, BMP, and HTML

CONNECTIVITY (SYSTEM PORTS)

Ports, External Video/Audio:

USB ports (2)

ECG input (1)

Integrated Speakers

With Mini-dock:

S-Video (in/out) to VCR for record and playback

DVI output

Composite video output (NTSC/PAL) to VCR or video printer

Audio output

Ethernet or wireless image/data transfer

2.4 GHz and 5 GHz Wireless: 802.11 (B, G and N networking)

USB Port (1)

RS-232 Transfer

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 25 sec. from power-on to scanning

EDGE II STAND AND PERIPHERALS

Mini-dock, transducer and gel holders

AC Cord Retainer

Larger baskets with easy removal feature for cleaning

Casters to prevent accidental locking

Optional Triple Transducer Connect (TTC) to quickly activate transducers electronically

Optional foot switch

Optional PowerPark and PowerPack

OPTIONAL PERIPHERALS

Printers: Medical-grade black and white or colour

External data input devices: Bar code reader

ECG Slave Cable and Adapter Kit: Used to interface with external ECG monitors

ECG module: 3-lead ECG – works with standard ECG leads and electrodes

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