

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
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: 13.5 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: 15 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
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
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:
DirectClear™ Technology (rC60xi, rP19x)
Armoured Cable Technology (Optional on rC60xi, rP19x, L38xi, 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

16GB 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, Report Management
Q-path ultrasound management system
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
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

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.

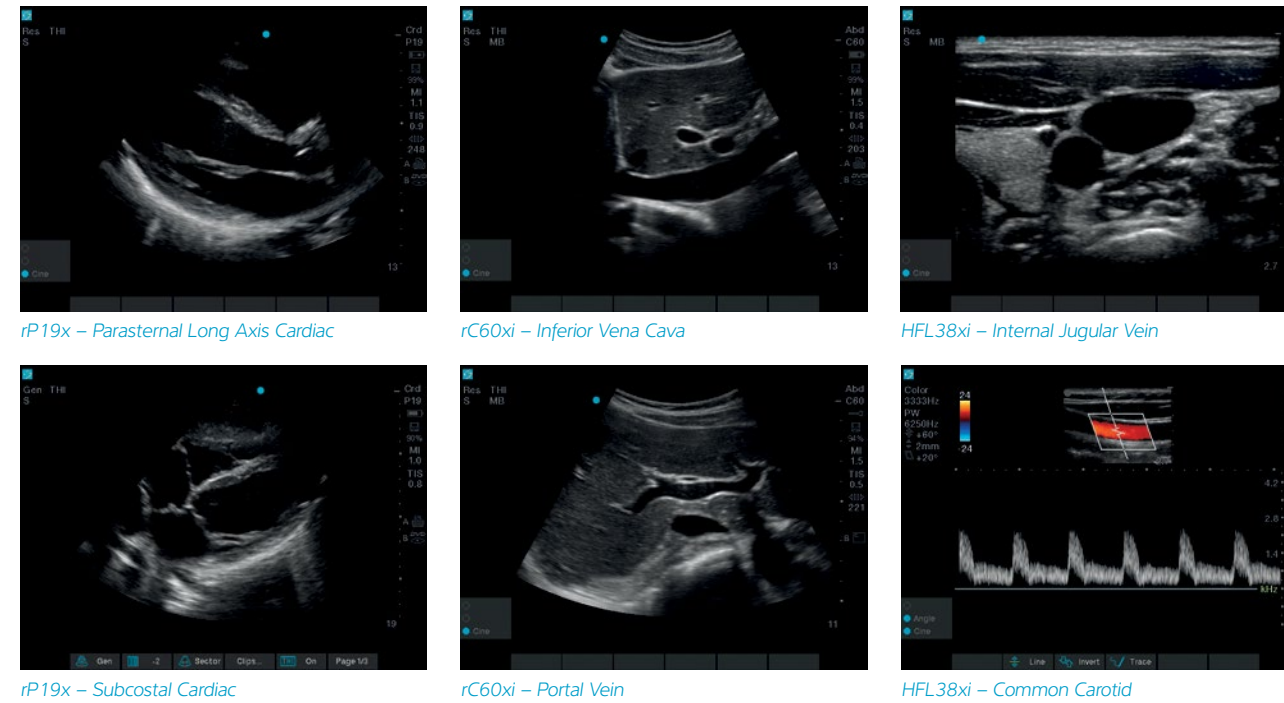
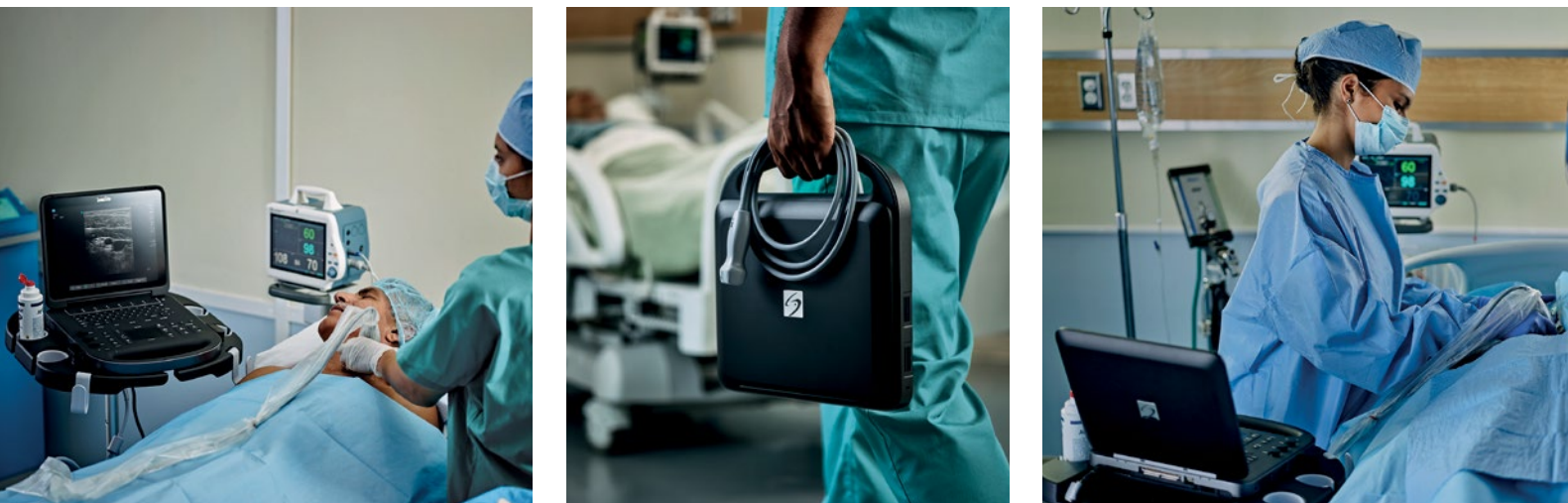


RUGGED.
RELIABLE.
RESPONSIVE.

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.

ELEVATED 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.

REVITALISED 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.



TECHNOLOGY DRIVEN
5-YEAR STANDARDS WARRANTY
MADE IN THE USA

Wide-angle, full-bleed glass 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