

RUGGED.
RELIABLE.
RESPONSIVE.

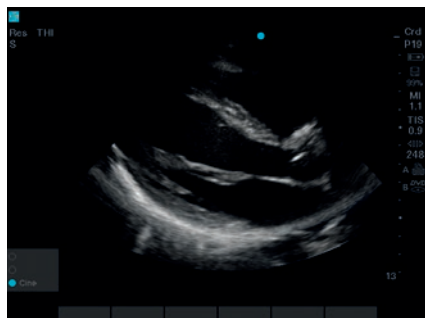


CLEAR ULTRASOUND DIAGNOSTICS
FOR THOSE CRITICAL MOMENTS.



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





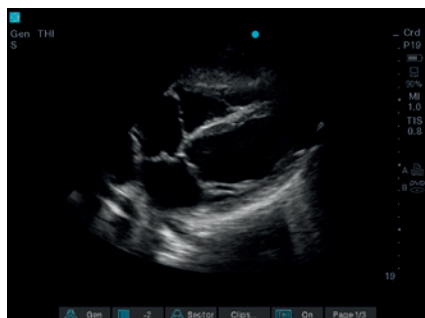
rP19x – Parasternal Long Axis Cardiac



rC60xi – Inferior Vena Cava



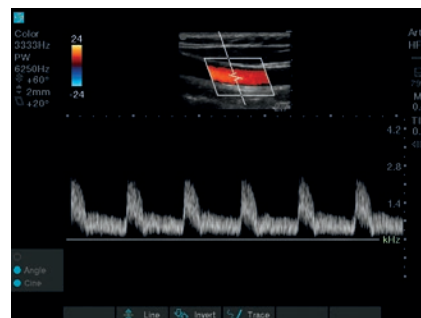
HFL38xi – Internal Jugular Vein



rP19x – Subcostal Cardiac



rC60xi – Portal Vein



HFL38xi – Common Carotid

VISUALIZATION, CLEARLY ENHANCED.

OPTIMIZED 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 COLOR SENSITIVITY

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

SonoSite Edge II

TAKING TRANSDUCER DURABILITY TO THE ARMORED 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, armored cables protect your transducers from these common scenarios. By safeguarding electrical connections inside, armored cables help maintain image quality over the life of your transducer.

Standard Cable



Armored Cable



ULTRASOUND FOR CLARITY AND CONFIDENCE.



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

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, ophthalmic, 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 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:

ped. abdominal, ped. cardiology, neonatal head

Scan depth: 14 cm



HSL25x

13-6 MHz Linear

Applications:

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

Scan depth: 6 cm



TEExi

8-3 MHz Multi

Applications:

adult cardiology, multiplane transesophageal 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 Armored Cable.
- Needle guides and kits available.
- A transverse needle guide available.

SYSTEM SPECIFICATIONS

System weight	9.21 lbs/4.18 kg with battery
Dimensions	12.8" x 12.1" x 2.5"/ 32.6 cm x 30.7 cm x 6.4 cm (L x W x H)
Display	12.1"/30.7 cm 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
Color Doppler and Velocity Color
Pulsed Wave Doppler / Continuous Wave Doppler /
ECG

IMAGE PROCESSING

SonoADAPT™ Tissue Optimization
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:

Armored Cable Technology (Optional on HFL38xi,
rC60xi, rP19x, L38xi, L52x, L25x)
Linear Array, Curved Array, Phased Array,
Multiplane TEE and Micro-Convex
Center 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 3 feet/91.4 cm

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

Arterial: Diameter/ellipse/trace measurements,
volume, ten follicle measurements, percent diameter and area
reduction, Lt/Rt CCA, ICA, ECA, ICA/CCA ratio,
peak trace, ICA/CCA ratio, 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 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)

FIPS 140-2 Security Encryption

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 color

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.



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