EMPOWERING EFFICIENCY.
The SII empowers your efficiency through an intuitive, yet smart user interface that adapts to your imaging needs. The system is portable and can be used across multiple hospital environments, including a zero footprint option for space-constrained rooms. We listened to you and designed the SII system to maximize the productivity of your practice, and support you in providing simply the best patient care.
ELEVATED COLOR SENSITIVITY

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

DIRECTCLEAR TECHNOLOGY

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.
INTELLIGENCE, INSPIRED BY YOU.

A. Touchscreen menu automatically adapts to your needs
B. Tactile knobs for gain and depth control
C. Virtual track pad displays only when needed
D. Flexible control of caliper, zoom, and color box through virtual track pad or touchscreen
E. Easy access to commonly used controls (Mode, Print, Save)
F. Embedded Dual Transducer Connector: Switch exam types or transducers with two taps on the screen

WORKFLOW EXTENDED, FROM SYSTEM TO STAND.

G. Lockable drawer with tray behind system
H. Dedicated gel bottle holder
I. Elevated transducer holders
J. Large storage basket
## SONOSITE SII TRANSDUCERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency</th>
<th>Application Details</th>
<th>Scan Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>L38xi</td>
<td>10-5 MHz Linear</td>
<td>Lung, nerve, small parts, arterial, venous</td>
<td>9 cm</td>
</tr>
<tr>
<td>HFL38xi</td>
<td>13-6 MHz Linear</td>
<td>Breast, lung, musculoskeletal, nerve, ophthalmic, small parts, arterial, venous</td>
<td>6 cm</td>
</tr>
<tr>
<td>HFL50x</td>
<td>15-6 MHz Linear</td>
<td>Breast, musculoskeletal, nerve, small parts</td>
<td>6 cm</td>
</tr>
<tr>
<td>L25x</td>
<td>13-6 MHz Linear</td>
<td>Lung, musculoskeletal, nerve, superficial, arterial, venous, ophthalmic</td>
<td>6 cm</td>
</tr>
<tr>
<td>C11x</td>
<td>8-5 MHz Curved</td>
<td>Abdominal, neonatal, nerve, venous, arterial, cardiology</td>
<td>13 cm</td>
</tr>
<tr>
<td>rC60xi</td>
<td>5-2 MHz Curved</td>
<td>Abdominal, musculoskeletal, nerve, ob, gyns</td>
<td>30 cm</td>
</tr>
<tr>
<td>ICTx</td>
<td>8-5 MHz Curved</td>
<td>Abdominal, musculoskeletal, nerve, ob, gyns</td>
<td>13 cm</td>
</tr>
<tr>
<td>rP19x</td>
<td>5-1 MHz Phased</td>
<td>Abdominal, cardiology, lung, obs</td>
<td>35 cm</td>
</tr>
<tr>
<td>P10x</td>
<td>8-4 MHz Phased</td>
<td>Pediatric abdominal, ped. cardiology, neonatal head</td>
<td>14 cm</td>
</tr>
<tr>
<td>HSL25x</td>
<td>13-6 MHz Linear</td>
<td>Lung, musculoskeletal, nerve, superficial, arterial, venous, ophthalmic</td>
<td>6 cm</td>
</tr>
<tr>
<td>C35x</td>
<td>8-3 MHz Curved</td>
<td>Abdominal, musculoskeletal, nerve, ob, spine</td>
<td>16 cm</td>
</tr>
</tbody>
</table>

- DirectClear Technology.
- Optional Armored Cable.
- Needle guides and kits available.
- A transverse needle guide available.
**SYSTEM SPECIFICATIONS**

**System weight**: 12.6 lbs/5.70 kg with battery  
**Dimensions**: 17.5" x 11.5" x 4.8" / 44.7 cm x 29.3 cm x 12.3 cm  
**Display**: 12.1"/30.7 cm diagonal LCD (NTSC or PAL) with chemically-etched glass layer  
**Viewing Angles**: 85° up/down/left/right  
**Architecture**: All-digital broadband  
**Dynamic range**: Up to 165 dB  
**Gray scale**: 256 shades  
**HIPAA compliance**: Comprehensive tool set  

**MOUNTING OPTIONS**

Video Electronics Standards Association (VESA™)  
Mounting: (3.9" x 3.9" / 100 mm x 100 mm) and (3.9" x 3.9" / 100 mm x 100 mm)  

**IMAGING MODES**

2D / Tissue Harmonic Imaging / M-Mode  
Color Doppler and Velocity Color  
Pulsed Wave Doppler / Continuous Wave Doppler / ECG  

**IMAGE PROCESSING**

SonoAdept™ Tissue Optimization  
SonoHD™ Imaging Technology  
Dual Imaging, Duplex Imaging, 2x pan/zoom capability, Dynamic range and gain  
ColorHD™ Technology  

**STEPP 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  
c60x – Nerve, MSK  

**USER INTERFACE**

Gain control through tactile knob: overall, near, far  
Depth control via tactile knob  
Adaptive touchscreen display with menus optimized for current system state  
Easy access to commonly used controls on capacitive touch pad: (Scan/Freeze, Modes, Print, Save Clip, Save Image)  
Touchscreen manipulation for Calipers, Zoom and Color Box (Virtual track pad also available)  

**TRANSUCERS**

**Broadband/Multifrequency**:  
Armed Cable Technology (optional on L38x, HFL38xi, L25x, rC60x, rP19x, L52x)  
Linear Array, Curved Array, Phased Array, Micro-Convex  
Center line marker for linear transducers  

**Exam types**: abdominal, breast, cardiology, gyn, lung, musculoskeletal, neonatal, nerve, ob, ophthalmic, small parts, spine, superficial, TCD, arterial, venous  
Embedded Dual Transducer Connector with 2-tap transducer switching function  

**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, volume flow, percent diameter and area reduction, Lr/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 flow, 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)  
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  
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  
Direct writing capability to USB 2.0 mass storage removable media (PC and MAC compatible)  
Supported export formats: MPEX-4 (H.264), JPEG, BMP, and HTML  

**CONNECTIVITY (SYSTEM PORTS)**

HDMI output to external display  
Composite video output (NTSC/PAL) to VCR or video printer  
Audio output  
Integrated speakers  
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 ports (3)  

**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 30 sec. from power-on to scanning  

**SII STAND AND PERIPHERALS**

Hydraulic height adjustment, shelf for printer  
Elevated transducer holders  
Dedicated gel holder  
Tray with drawer on back of system  
Large basket with easy removal feature for cleaning (optional 2nd basket)  
AC Cord Retainer  
Cable management hooks for auxiliary cables  
Optional foot switch  
Optional PowerPark  

**OPTIONAL PERIPHERALS**

Printers: Medical-grade black and white  
External data input devices: Bar code reader  

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**FUJIFILM SONOSITE**

Value from innovation  

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