Unparalleled **Clarity and Confidence**

This isn’t just our most advanced point-of-care ultrasound solution ever, it’s YOURS.
See More. Do More.

Sonosite PX

Unparalleled Clarity and Confidence

Inspired, informed, and improved by thousands of hours working side-by-side with clinicians on the front lines of medicine, Sonosite PX point-of-care ultrasound system delivers the most advanced image clarity Fujifilm Sonosite has ever offered, to give clinicians an unparalleled level of confidence for diagnostic and procedural applications.

This isn’t just our most advanced point-of-care ultrasound solution ever, it’s YOURS.
Designed for the Human Touch

The human touch is crucial when it comes to point-of-care ultrasound. That’s why Sonosite PX has been designed around every detail for the way clinicians work and deliver care.

**Touch and Physical Controls**
Intuitive touch panel and physical buttons for quick access to the most-used controls. Unique raised buttons allow clinicians to make adjustments via feel. Sonosite PX can be operated with gloves and a sterile drape.

**Workflow Efficiency Features**
The streamlined user interface improves workflow, allowing clinicians to find controls quickly with fewer touches. Exam types are optimized with most-needed annotations and calculations.

Get Closer at the Point of Care

We listened and listened some more, working with clinicians across the globe. Sonosite PX was created and inspired by the way they need to deliver care, wherever they deliver it.

**Adaptable Positioning**
Adaptable horizontal to vertical work surface allows clinicians to adjust Sonosite PX for optimal bedside ergonomics and bring it closer to the bedside.

**Closer Access**
The low-profile wheelbase fits under most beds for closer access, especially important while operating the system across the bed. Front and side levers simplify height adjustments.

**Adjustable Height**
System height can be raised or lowered for a wide range of users.

**Adaptable Positioning**
Work surface adapts from horizontal to vertical with a push or pull of the handle.
A Whole New Vision of Vision

Sonosite PX point-of-care ultrasound solution delivers the most advanced image clarity Sonosite has ever offered, aided by a new family of transducers, proprietary speckle reduction technology, and improved color performance.

Nerve Blocks
Better visualize sonographic landmarks when precision and accuracy is paramount during complex blocks.

Cardiac Assessments
Effectively assess cardiac function with optimal frame rates, improved sensitivity, and an enhanced color map.

Musculoskeletal Exams
See anatomy details accurately in small joints such as fingers to better identify the telltale signs of inflammation.
Environment Inspired
Optimized for the way you move. The way you think.

The agile, small footprint Sonosite PX stand offers maneuverability and dedicated features to keep your system organized and stocked with the essentials.

Data Management and Connectivity
Wifi, Ethernet port, 1080p digital video output compatible with 1080p displays, (4) USB 2.0 ports, (2) USB 3.0 ports, (1) dedicated USB port for optional printer.†

Durable Transducer Holders
Integrated holders (no more cups) for simplified clean up and ease of use.

Triple Transducer Connect
Three transducer ports so your most-used transducers are at the ready with the touch of a button.

Versatile Storage Solutions
The flexible storage system adapts to left or right side needs—gel holder, wipes holder, storage bin, and lockable drawer to secure supplies.

Cord Management
Power cords are confined within the column to help prevent tangles.

Cable Management System
Cable catcher and hooks help prevent tangled transducer cables. Even at the lowest stand height, cables are less likely to drag on the floor.

Low-Profile Wheeled Base
The low-profile wheel base helps position the system close to the bedside.

Peripheral Accessories
Medical Grade Printer
Add the optional black and white printer to print ultrasound studies.

Needle Guide Starter Kits
Improve positioning to help guide needles to an exact target on the first attempt.

Integrate Medical Informatics
Sonosite Synchronicity™ workflow manager supports seamless credentialing, quality assurance, and billing. Compile data from all connected point-of-care ultrasound systems into a central location.

Guide Needles Precisely
Auto Steep Needle Profiling helps in-plane needle visualization from multiple angles with one system interaction. The clinician simply advances the needle at the angle optimal to reach the target.

Education at Your Fingertips
Sonosite is dedicated to clinician education. More than 100 scan-along education tutorials are onboard for diagnosis, procedures, pathology, and system and transducer use.

Rest Assured with Data Security
Sonosite PX includes robust security features to keep patient information safe and networks secure. The system meets FIPS199, FIPS200, and NIST 800-53.
Scan with Confidence

Sonosite designs, manufactures, and tests transducers in-house. Our transducers aren’t only durable, they’re also made for superior imaging in the most demanding environments.

- IPX-7 rated for immersion**
- Drop-tested to 1 meter
- Sonosite-manufactured transducers are covered by a Sonosite 5-year standard warranty

Optional Needle Guide Starter Kit
- Variable angle, in-plane guide
- Multiple-depth transverse, out-of-plane guide
- Disposable in-plane guide

C5-1
5-1 MHz Curved
Scan Depth: 30 cm
Exam Types:
Abdomen, Gynecology, Lung, Nerve, Musculoskeletal, Early Obstetrics, Obstetrics, Spine

IC10-3
10-3 MHz Curved
Scan Depth: 15 cm
Exam Types:
Gynecology, Early Obstetrics, Obstetrics

L15-4
15-4 MHz Linear
Scan Depth: 6 cm
Exam Types:
Arterial, Breast, Carotid, Lung, Musculoskeletal, Nerve, Ophthalmic, Superficial, Venous

L15-4
15-4 MHz Linear
Scan Depth: 6 cm
Exam Types:
Arterial, Breast, Carotid, Musculoskeletal, Nerve, Superficial, Venous

L12-3
12-3 MHz Linear
Scan Depth: 9 cm
Exam Types:
Arterial, Breast, Carotid, Lung, Musculoskeletal, Nerve, Ophthalmic, Superficial, Venous

L19-5
19-5 MHz Linear
Scan Depth: 6 cm
Exam Types:
Arterial, Lung, Musculoskeletal, Nerve, Ophthalmic, Superficial, Venous

P5-1
5-1 MHz Phased
Scan Depth: 35 cm
Exam Types:
Abdomen, Cardiac, Focused Cardiac, Lung, Obstetrics, Orbital, Transcranial Doppler (TCD)
Sonosite PX Ultrasound System and Stand Specifications

**General System and Stand Specifications**

<table>
<thead>
<tr>
<th>Dimensions width x height unless otherwise stated</th>
<th>28.3 inches x 28.3 inches x 720 mm x 720 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stand Dimensions</td>
<td>65 inches/1650 mm monitor raised</td>
</tr>
<tr>
<td>Height Maximum (system and stand)</td>
<td>42.2 inches/1072 mm monitor lowered</td>
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<tr>
<td>Height Minimum (system and stand)</td>
<td></td>
</tr>
<tr>
<td>Height Adjustment Range</td>
<td>9.8 inches/249 mm</td>
</tr>
<tr>
<td>Work Surface Adjusts</td>
<td>0 to 140 degrees</td>
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<tr>
<td>Monitor Angle</td>
<td>15 degrees horizontal</td>
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<tr>
<td>Work Surface Angle</td>
<td>55 degrees from horizontal</td>
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<tr>
<td>Weight (system and stand) (system only)</td>
<td>85.1 lbs/38.6 kg</td>
</tr>
<tr>
<td>System Controls</td>
<td>16 lbs 10 oz/7.5 kg</td>
</tr>
<tr>
<td>System Controls</td>
<td></td>
</tr>
<tr>
<td>Touch Panel Controls Size</td>
<td>10 inches x 5.7 inches 256 mm x 145 mm</td>
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<tr>
<td>Clinical Monitor Monitor Size Display Size</td>
<td>15.6 inches/396 mm</td>
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<tr>
<td>Image Size</td>
<td>13.5 inches x 7.6 inches 344 mm x 194 mm</td>
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<tr>
<td>Liquid Ingress Protection Rating (system only)</td>
<td>8.1 inches x 6.1 inches 207 mm x 155 mm</td>
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<tr>
<td>Transducer Connections (system and stand)</td>
<td>(3) Transducer ports (1) Transducer port</td>
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<tr>
<td>Liquid Ingress Protection Rating (transducers)</td>
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<tr>
<td>Immersion Rating (transducers)</td>
<td>IPX7</td>
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<td>Operating System</td>
<td>Windows 10 IoT Enterprise 2019 LTSG</td>
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<td>Architecture</td>
<td>Digital broadband</td>
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<tr>
<td>Dynamic Range</td>
<td>Up to 183 dB</td>
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<tr>
<td>Gray Scale</td>
<td>256 shades</td>
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<tr>
<td>HIPAA Compliance</td>
<td>FIPS199, FIPS200, and NIST 800-53</td>
</tr>
</tbody>
</table>

**User Interface**

Physical Buttons: Time Gain Compensation (TGC), gain wheel, auto gain, depth, select, update, touchpad, annotations, calculations, caliper, image save, clip save, freeze, color, M-Mode, Doppler, 2D

Touch Panel: Projected Capacitive (PCAP) touchscreen

Display Formats for Duplex Imaging: 1/3 and 2/3, 1/2 and 1/1, 2/2, 2/3, and 3/3, side by side, and full screen duplex

Doppler controls: Doppler Mode (PW, CW, and TDI), angle, steer, scale, baseline, invert, sweep speed, power, wall filter, sample volume, auto trace, gain, and volume

**Image Modes**

2D Broadband Imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, B-Mode, M-Mode, Color Velocity Doppler (CVD), Color Power Doppler (CPD), Color Variance Mode, Pulsed Wave Doppler (PW), Pulsed Wave Doppler Simultaneous, Tissue Doppler Imaging (TDI), Continuous Wave Doppler (CW)

**Image Processing**

Sonosite proprietary speckle reduction algorithm, SonoADAPT Imaging Technology, SonomBM™ Multi-beam Technology, dual imaging, Time Gain Compensation (TGC), AutoGain, restore default gains, dynamic range, duplex imaging, Triplex, 8x live zoom, Write zoom

Cine Processing: Dynamic range

Cine Processing: Zoom

2D Image Optimization: Resolution/General/Penetration (Res/Gen/Pen), Color Doppler flow optimization, color variance mode, color compare, 2D sector controllable, output power control

**Needle Profiling**

(Auto Deep Needle Profiling available on these transducers and exams)

C5-1: Musculoskeletal, Nerve, Spine

L19-5: Arterial, Musculoskeletal, Nerve, Superficial, Venous

L12-3: Arterial, Breast, Musculoskeletal, Nerve, Superficial, Venous

L15-4: Arterial, Breast, Musculoskeletal, Nerve, Superficial, Venous

**Measurements**

2D: Distance (10 measurements), area, circumference, ellipse, manual trace, volume, target depth, angle

Doppler: Velocity, velocity pair, slope, time, manual trace, auto trace, heart rate, resistive index, pulsatility index, systolic/diastolic ratio, volume flow, velocity time integral, TAP, TAM

Automatic Trace Results (determined by exam type):

Velocity time integral, peak systolic velocity, end diastolic velocity, mean diastolic velocity, resistive index, pulsatility index, TAP, gate depth, systolic/diastolic ratio, velocity max, velocity mean, pressure gradient max, pressure gradient mean

Editable results data sheets and reports

**Data Management and Connectivity**

System and Stand: Wi-fi, Ethernet port, 1080p digital video output compatible with 1080p displays, (4) USB 2.0 ports, (2) USB 3.0 ports, (1) dedicated USB port for printer

System Only: (2) USB 3.0 ports

ECG connector

Storage capacity alert

Auto delete function

IPv4 and IPv6 networking

Supports automatic time reconciliation with a server

**Wireless Solutions**

2.4 GHz and/or 5 GHz Wireless: 802.11 (A, B, G, N, and AC networking)

**Key Management Protocols:** WEP64, WEP128, WPA/ WPA2 (personal and enterprise)

**DICOM Workflow Management**

Store for images, clips, and structured reports, media storage (USB export), storage commitment, modality workflow, Modality Performed Procedure Step (MPPP)

**Data Security**

System meets Federal Information Processing Standards (FIPS) for moderate security control selections per FIPS199, FIPS200, and NIST 800-53

Secure boot

User and role based authentication

LDAP support

Security Policies: Open, WEP, Radius, WPA, WPA2

Complex password rules support

Federal System Use Notification support

Emergency mode support

Secure DICOM communication support

**Data Encryption for Data at Rest:** FIPS 140-2 validated encryption algorithms

**Data Encryption for Data in Transit:** FIPS 140-2 validated encryption algorithms

**System wide white-listing**

Hardened operating system and services

System firewall

MDS2 located on Sonosite.com

**Stand Includes**

Adjustable stand head, input/output connections, (4) transducer holders, Triple Transducer Connect, cable management system, dual gel holder, wipes holder, storage bin, lockable drawer, cord wrap, power cord

Casters: (4) independent locking wheels

**Warranty**

Sonosite offers an industry-leading, 5-year standard warranty on most ultrasound systems and Sonosite-manufactured transducers to ensure your equipment is protected. Learn more on sonosite.com

**Supported Languages**

System User Interface Languages: English, French, German, Italian, Japanese, Spanish, Simplified Chinese

* When Sonosite PX is used on the stand.

** Protected against water immersion for 30 minutes at a depth of up to 1 meter.

† Off the stand, Sonosite PX has (2) USB 3.0 ports.

**Any patient. Anywhere. Anytime.**