

Sonosite ST

Procedural partner | Designed for efficiency



The art of care.

Sonosite ST — envision your course of action with the clarity of a point-of-care ultrasound system designed to move with you from diagnosis to procedure.



Make every procedure a masterpiece.

The assurance you're looking for in medical imaging is here. With its 21" touchscreen display, Sonosite ST is engineered to enhance the way you approach point-of-care ultrasound procedures.

Featuring an intuitive user interface for optimal workflows, Sonosite ST connects clinicians to the needs of patients with nimble performance and precision, helping you move forward with confidence.



From decades of industry insight and innovation, Sonosite ST is meticulously designed for the demands of the job. Engineered to advance from diagnosis to procedure enabling clinicians to act with confidence at every turn.



Sonosite image clarity.

With its sleek 21" touchscreen interface, Sonosite ST incorporates the image clarity you have come to know and rely on from a Sonosite system.

Workflow simplified.

Information at your fingertips — with its intuitive interface, Sonosite ST exists to guide and be guided all while improving workflows, giving you time to do more of what you do best, providing patient care.



Streamlined design.

Sonosite ST is designed to accommodate how you move and where you go — engineered to adjust to the needs of the patient and procedure, putting all the tools in all the right places.

Insight in hand.

21" portrait display

Touchscreen display with large clinical image area and one-touch cleaning mode.

Optimised exam types

Surface most needed optimisations, annotations and callipers to simplify workflow.

Easy access transducer holders

Integrated holders for simplified clean up and ease of use.

Quick data entry

Simplified patient information screen to assist procedural users' workflow.

Needle Guide Starter Kits

Improve positioning to help guide needles to an exact target on the first attempt.

One-step adjustable height

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



Versatile storage solutions

Choose different sized storage bins and left or right-sided gel/wipes holder configurations to best suit your workflow needs.



Optional large storage bins

Power cord management

Prevent tangles with power cords confined within the stand column.

Medical Grade Printer

Add the optional Black and White Printer to print ultrasound studies.

Low-profile wheelbase

Enables you to position the system close to the bedside for better access to care.



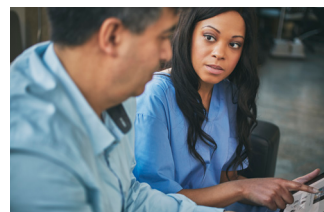
Data management and connectivity

Wi-Fi, ethernet port, 1080p digital video output compatible with 1080p displays, (2) USB 2.0 ports, (2) USB 3.0 ports, (1) dedicated USB port for optional printer.



Guide needles precisely

Auto Steep Needle Profiling helps in-plane needle visualisation 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 150 scan-along education tutorials are onboard for COVID-19, diagnosis, procedures, pathology, system and transducer use.



Rest assured with data security

Sonosite ST includes robust security features to keep patient information safe and networks secure. The system meets FIPS199, FIPS200, and NIST 800-53.

Equipped for your procedures.



P5-1

MHz	Scan depth
5-1 MHz Phased	5-35 cm
Exam types	
Abdomen	Obstetrics
Cardiac	Orbital
Focused Cardiac	
Lung	



L19-5 ●●

MHz	Scan depth
19-5 MHz Linear	1-6 cm
Exam types	
Arterial	PIV
Lung	Superficial
Musculoskeletal	Venous
Nerve	
Ophthalmic	



L15-4 ●

MHz	Scan depth
15-4 MHz Linear	1.5-6 cm
Exam types	
Arterial	Nerve
Breast	Superficial
Carotid	Venous
Musculoskeletal	



L12-3 ●

MHz	Scan depth
12-3 MHz Linear	1.5-9 cm
Exam types	
Arterial	Nerve
Breast	Ophthalmic
Carotid	PIV
Lung	Superficial
Musculoskeletal	Venous



C5-1 ●

MHz	Scan depth
5-1 MHz Curved	4.7-30 cm
Exam types	
Abdomen	Musculoskeletal
Gynaecology	Early Obstetrics
Lung	Obstetrics
Nerve	Spine



C10-3 ●

MHz	Scan depth
10-3 MHz Curved	3-18 cm
Exam types	
Abdomen	Musculoskeletal
Gynaecology	Spine
Lung	
Nerve	



IC10-3 ●

MHz	Scan depth
10-3 MHz Curved	3-15 cm
Exam types	
Gynaecology	
Early Obstetrics	
Obstetrics	
Prostate	

Optional Needle Guide Starter Kit

- CIVCO Infiniti Plus™ In-Plane Ultrasound Needle Guide
- CIVCO AccuSITE™ Out-of-Plane Ultrasound Needle Guide
- CIVCO Disposable Endocavity Needle Guide

Enhanced point-of-care ultrasound for your medical specialty

Anaesthesia

Equipping care providers with procedural insight.

Sonosite ST provides a large portrait touchscreen display, giving clinicians an immersive experience to help guide procedures and assessments such as regional nerve blocks and gastric volume.

Expanded visibility.

Sonosite image clarity helps you distinguish anatomical details, supporting needle precision and accuracy. Housed in a seamless form factor, the 21" touchscreen displays a large clinical image that is easily visible from across the bed.

Auto Steep Needle Profiling (SNP).

With the touch of a button, the Auto Steep Needle Profiling assists clinicians to guide needle placement for more precise blocks and injections.

Musculoskeletal

Designed to bring clinicians closer.

Supporting Sports Medicine, Orthopaedics, Physiatry, Rheumatology and other related specialties to help you accurately diagnose and treat a variety of functional conditions involving tendons, ligaments, muscles, bursae, joints, cartilage, or peripheral nerves.

Consolidated footprint.

The sleek design and small footprint allows for easier access to patients and procedures, with effortless manoeuvring around the clinic, and features one-step height adjustment for a range of users.

Immersive viewing experience.

Sonosite image clarity on a large portrait touchscreen display allows clinicians to perform soft-tissue assessments and communicate with the patient to demystify complications and treatment needs.

Vascular Access

Raising the bar for procedures.

When accuracy is essential, Sonosite ST aids clinicians in placing difficult peripheral IVs and central lines, helping them guide needle placement during procedures.

Workflow Simplified.

With an intuitive user interface including integrated optimised exam types allowing clinicians to guide needle placement, easy system height adjustments, versatile storage, and a large easy-to-clean display — Sonosite ST is a proficient procedural partner.

Easy to use. Easier to learn.

A library of FUJIFILM Sonosite onboarding tools and scan-along tutorials await clinicians who utilise Sonosite ST for your ultrasound-training needs.

Sonosite ST Ultrasound system specifications

General system and stand specifications	
Dimensions width x height unless otherwise stated	
Stand footprint	23 in x 25.4 in 58.4 cm x 64.5 cm
Maximum height (system and stand)	68 in/ 172.6 cm clinical monitor up
Minimum height (system and stand)	53.75 in/ 136.5 cm clinical monitor down in transport position
Height adjustment range	9.8 in/ 25 cm
Clinical Monitor Tilt	0 to 60 degrees (0 degrees tilting forward from vertical, 60 degrees tilting back from vertical)
Weight	109.3 lbs/ 49.6 kg
System controls	Touch Screen
Clinical monitor	21.3 in/ 54.1 cm
Monitor size	17.01 in x 12.76 in
Display size	43.2 cm x 32.4 cm
Image size	10.03 in x 7.53 in 25.49 cm x 19.12 cm
Clinical monitor resolution (minimum)	1600 x 1200 pixels
Display size	944 x 708 pixels
Image size	
Transducer connections	(2) Transducer ports
Immersion rating (transducers)	IPX7
Operating system	Windows 10 IoT Enterprise 2019 LTSC
Architecture	Digital broadband
Dynamic range	Up to 183 dB
Grey scale	256 shades
HIPAA compliance	FIPS199, FIPS200, and NIST 800-53

User interface

Touch Screen on Clinical Monitor: Projected Capacitive (PCAP) touchscreen
Touch Screen Main Controls: TGC (Time Gain Compensation), Gain Slider, Depth, Cine Slider, Save Clip, Save Image, Freeze, Colour, M-Mode, and 2D.
Display formats for duplex imaging: 1/3 and 2/3, 1/2 and 1/2, 2/3, and 1/3, and side by side duplex

Image modes

2D Broadband Imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, M-Mode, Colour Velocity Doppler (CVD), Colour Power Doppler (CPD), Colour Variance Mode (cardiac only)

B-Mode Imaging Features

Sonosite proprietary speckle reduction algorithm SonoADAPT Imaging Technology:

Adjusts imaging parameters based on depth eliminating complicated manipulation of multiple controls.

SonoMB: Multi-beam technology to effectively reduce speckle artifact, enhance tissue contrast, and improve border detection.

Auto steep needle profiling

(Available for these transducers and exams)

- C5-1:** Musculoskeletal, Nerve, Spine
 - L19-5:** Arterial, Musculoskeletal, Nerve, PIV, Superficial, Venous
 - L12-3:** Arterial, Breast, Carotid, Musculoskeletal, Nerve, PIV, Superficial, Venous
 - L15-4:** Arterial, Breast, Carotid, MSK, Nerve, Superficial, Venous
- Needle guide starter kits:** C5-1, IC10-3, L19-5, L12-3, L15-4

Basic measurements

2D Measurements:
Distance (10 Measurements), Curved Distance, Area, Circumference, Ellipse, Manual Trace, Volume, Target Depth, Angle
M-Mode Measurements:
Distance, Time, Slope, Heart Rate

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, Spanish, Japanese, Simplified Chinese

Connectivity and external data management

2 USB 2.0 ports (stand), 2 USB 3.0 Ports (system engine), 1 USB Port for optional printer Ethernet port, 1080p digital video output (compatible with 1080p displays) - stand only Storage capacity alert if free internal storage is less than 10%, study data Auto delete function IPv4 and IPv6 networking (DHCP, SLAAC, and static addressing), automatic time setting by synchronisation with network time server

Wireless solutions

2.4 GHz and/or 5 GHz wireless: 802.11 (A, B, G, N, and AC networking)
Key management protocols: WPA/WPA2 personal, WPA/WPA2 enterprise (EAP-TLS, EAP-PEAP) Radius (EAP-TLS, EAP-PEAP)

DICOM image management

Store, Modality Worklist, Modality Perform Procedure Steps (MPPS), Storage Commitment Basic Text and Comprehensive Structured Reports (SR), Supported SOP Classes: Verification, Ultrasound Image Storage, Ultrasound Multi-frame Image Storage, Secondary Capture Image Storage, Modality Worklist Information Model - FIND, Modality Performed Procedure Step, Storage Commitment Push Model, Basic Text SR, Comprehensive SR, DICOM USB export, Allow saving connectivity configuration via USB for easy replication or restoration, DICOM compliant, DICOM TLS Secure Transport Connection Profile support

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 Guest mode support DICOM TLS Secure Transport Connection Profile support
Data encryption for data at rest and 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

Input/output connections, dual gel holder, wipes holder, storage bin, lockable drawer, stand battery, cord wrap, power cord, small basket sets including dual gel holder and wipe holder, front gel holder, storage bin, power cord management, (or large basket sets including front gel holder, 4 large storage bins), stand battery, power cord
Casters: (4) inch swivel, 4 locking wheels



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