

SONOSITE iLOOK Specifications

System Specifications

- 1 Stand Base Dimensions (width x length):
 - 22.8 inches x 23 inches (57.9 cm x 58.4 cm) when wheels are turned in
 - 27.2 inches x 27.7 inches (69.1 cm x 70.3 cm) when wheels are turned out
- 2 Height Maximum: 64.7 inches (164.3 cm) with articulation arm and clinical monitor up
- 3 Height Minimum: 51.3 inches (130.3 cm) with articulation arm and clinical monitor lowered
- 4 Height Adjustment: 13.4 inches (34 cm)
- 5 Weight (System and battery only): 11.9 lbs./5.4 kg
- 6 Weight (System, system battery, power supply and stand): 51.38 lbs./23.5 kg
- 7 Weight (Transducer): 170+/-10 g
- 8 Casters: 4-inch Swivel, 4 Locking
- 9 User Interface: Touch Screen
- 10 Clinical Monitor Rotation: 180° left and right
- 11 Clinical Monitor: 15.6 inches (39.6 cm) diagonal 16:9 Removable Tablet Display
- 12 Clinical Monitor Display Size: 13.65 inches x 7.62 inches (34.5 cm x 19.5 cm)
- 13 Clinical Monitor Resolution: 1920 x 1080 pixels
- 14 Clinical Monitor Luminance (minimum): 215 cd/m²
- 15 Clinical Monitor Mounting: Compatible with VESA 75x75 and 100x100
- 16 Operating System: Android 14
- 17 Architecture: Digital Broadband
- 18 System Boot up: 35 seconds from tablet off
- 19 Transducer Connection Time: up to 20 seconds
- 20 System Storage: 36 GB
- 21 Grey Scale: 256 shades
- 22 Dynamic Range: Up to 102 dB
- 23 Transducer connection: Wireless
- 24 Transducer to Tablet Connection Range: up to 30 metres/98.4 feet
- 25 HIPAA Compliance: Meets Federal Information Processing Standards (FIPS) for Moderate security control selections per FIPS199, FIPS200, and NIST 800-53.
- 26 The transducers withstand a drop from a height of 1 metre/3.3 feet and remain functional after the drop, lens damage not included.

Warranty & Service

- 1 Three-year standard warranty on system
- 2 Three-year standard warranty on L15-5 transducer
- 3 One-year standard warranty on all accessories, including the stand and battery
- 4 Provision of a service loaner system within 24 hours where available (24-hour shipping not available in all geographical locations)

See warranty schedule for full details.

Imaging Modes

- 1 2D/B-mode:
 - Broadband Imaging
 - Multi-beam (MB) Imaging
- 2 Colour Velocity Doppler (CVD)
- 3 Colour Power Doppler (CPD)

B-Mode Imaging

- 1 B-mode Controls:
 - Depth
 - Gain
 - Image Orientation (U/R, U/L)
- 2 Screen depth: 1.2–6.2 cm
- 3 Support imaging frame rates up to 40 fps
- 4 B-mode Imaging Features:
 - Fujifilm proprietary speckle reduction algorithm to reduce speckle artifacts.
 - Multi-beam spatial compounding to enhance tissue contrast and improve border detection.
- 5 Pinch Zoom in Live and Image Freeze
- 6 Centerline graphic on display
- 7 Video Clip Settings
- 8 Measure units can be displayed in mm or cm
- 9 Image and Cine review available

Colour Imaging

- 1 Colour modes:
 - Colour Velocity Doppler
 - Colour Power Doppler

- 2 Colour Controls:
 - Colour Gain
 - Colour Scale (High, Mid, Low) for flow optimization
 - Colour Steering (Left, Center, Right)
 - Adjustable Colour box position
- 3 PRF used: up to 3.9 kHz in High Flow State
- 4 Image and Cine review available

User Interface and Programmable Controls

- 1 Projected Capacitive (PCAP) Touch Screen User Interface
- 2 Touch Screen User Interface Controls: Wireless Transducer Connection, Exam Selection, Gain Slider, Depth Slider, Caliper, Calculations, Image Save, Clip Save, Freeze, Central Line, Colour Doppler Controls, and 2D Controls
- 3 Clinical Display Information
- 4 Home Screen Options: Scan, Help, and Settings
- 5 Exam Type Options: Arterial, PIV, and Venous
- 6 On Screen Virtual Keyboard

Onboard Image and Clip Storage Review

- 1 2D and Colour Cine Review: 3–60 seconds
- 2 Internal Storage: 36 GB
- 3 Maximum number of studies (average 4 image, 1 clip per study): 2,400
- 4 Maximum number of clips/images per study: no limit
- 5 Thumbnail review of saved images and clips
- 6 Prospective Clip Store
- 7 Video Clip Save Lengths: 3, 10, 30, and 60 seconds
- 8 Multimedia Image/Clip export format: JPEG, PNG, and MP4
- 9 DICOM export to USB: RGB and JPEG

Measurements and Calculations

- 1 Distance measurement
- 2 Catheter-to-Vessel Ratio (CVR) calculation

DICOM Image Management , Connectivity and External Data Management

- 1 Store, Modality Worklist
- 2 DICOM USB export
- 3 DICOM compliant
- 4 1 USB 3.0 Port (system)
- 5 Storage capacity alert if internal storage is less than 1 GB
- 6 Automatic time server reconciliation
- 7 IPv4 and IPv6 Networking

Wireless Solutions

- 1 2.4 GHz and/or 5 GHz Embedded Wireless Option:
 - Wireless Protocols supported: 802.11a/b/g/n/ac/ax
 - Wireless Roaming supported: 802.11k and 802.11r (with FT-802.1x authentication only without support for FT-PSK)
 - Shared Key authentication: 802.11i
 - 802.1x network authentication
- 2 Key management protocols: WPA2/WPA3 (Personal and Enterprise)
- 3 FIPS 140-3 wireless security protocol
- 4 Over-the-air (OTA) upgrades via Sonosite System Portal

Data Security

- 1 System meets NIST 800-53 moderate security control selections per Federal Information Processing standards FIPS199, and FIPS200
- 2 Secure Boot
- 3 Role-based user authentication
- 4 LDAP/AD user authentication support
- 5 Wi-Fi Security Policies: WPA2, WPA3
- 6 Complex Password Rules: Complex passwords, minimum password length, automatic password aging, and password history re-use limit rules
- 7 Federal System Use Notification
- 8 Industry Standard Password Protection
- 9 HIPAA Break Glass Emergency Mode support
- 10 Secure DICOM communication support
- 11 FIPS 140-3 compliant for data encryption at rest and in transit
- 12 Malware protection via whitelisting

- 13 Security Technical Implementation Guides (STIGs) hardened OS and services
- 14 System firewall for network traffic control
- 15 MDS2 listed on sonosite.com

User Settings

- 1 Administrator:
 - Manage, create new, edit and delete user profiles
 - Connectivity settings including network status
 - Configure connection to directory server
 - Manage local password requirements
 - Data security mode, data export control, create notifications
 - Audio and display settings
 - Location, date and time
 - Power saving settings
 - System and Log Information
- 2 Standard User:
 - Connectivity settings
 - Audio and display settings
 - Date and time
 - Power saving settings
 - System and Log Information

Stand & Storage—optional

- 1 Adjustable stand height via articulating arm
- 2 Dedicated front tray and storage bin for consumables
- 3 AC cord retainer

Optional Accessories

- 1 USB User Guide
- 2 Paper User Guide

Battery Management

- 1 System operates via battery or AC power
 - Battery charge indicator on clinical monitor
 - Charging indicator light on the back of the system

- Battery Charge Warning: At 10% of charge or less
- 2 Transducer operates via battery
 - Battery charge indicator light on transducer, indicates both connection and battery status
 - Battery charge indicator on clinical monitor,
 - Battery charge Warning: at 25% of charge or less
- 3 System Battery and Transducer Battery
 - System Battery Life: up to 10 hours when operating without the use of the transducer charger
 - System Battery Charging Time (at 23°C/73°F, system only): 0 to 100% in 2.5 hours
 - System Battery: rechargeable lithium-ion
 - System Battery Capacity: 4250 mAh or 94 Watt hours
 - System Battery Lifecycle: 80% capacity after 500 charge cycles
 - Transducer Battery Life: Up to 120 minutes of continuous scanning at default settings.
 - Transducer Battery Charging Time (at 23°C/73°F): 10 to 80% in 3 hours
 - Transducer Battery: rechargeable lithium-ion
 - Transducer Battery Capacity: 2200 mAh or 7.92 Watt hours
 - Transducer Battery Lifecycle: 90% capacity after 450 charges

Power Supply

- 1 Power Input: 100–240 V, 50–60 Hz, 2.0 A MAX
- 2 Power Output: 28 VDC, 3.57 A

Heat Output

- 1 While operating 23.4 W–80 BTUs
- 2 While operating and charging (max power) 70 W–239 BTUs

Infection Control Standards

- 1 Cleaners and Disinfectants Tool located on sonosite.com
- 2 Cleaning Mode available for ease of disinfection
- 3 System work surface is sealed edge-to-edge
- 4 Transducer is IP67 for dust and water protection

System User Interface Languages

- 1 English

Environmental Limits for System, Transducer, and Battery

Operating limits:

Limit type	System, stand, and transducers
Temperature	32–95°F (0–35°C)
Humidity	15–90% relative humidity (R.H.)
Atmospheric pressure	700–1060 hPa (0.69–1.05 ATM)

Storage limits:

Limit type	System, stand, and transducers
Temperature	-4–104°F (-20–40°C)
Humidity	10–95% relative humidity (R.H.)
Atmospheric pressure	700–1060 hPa (0.69–1.05 ATM)

Transducer Specifications

Transducer	Exam types	Bandwidth	Size	Elements	Scan depth min	Scan depth Max	Imaging modes
L15–5	Arterial, Venous, PIV	15–5 MHz	38.4 mm	192	1.2 cm	6.2 cm	B-mode, CPD, CVD

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