



The **Sonosite M-Turbo** is a portable ultrasound system that offers many configurations and settings to help get the perfect ultrasonic images. The M-Turbo system provides high-quality imaging for applications such as Anesthesia, Critical Care, Cardiology, Emergency Medicine, Musculoskeletal, Obstetrics, Gynecology, Radiology, Vascular, Surgery, and shared service. The M-turbo Ultrasound offers a faster processor than its predecessors, the Sonosite MicroMaxx and the Sonosite Titan systems. The ultrasound system comes with the SonoHD Imaging technology that can reduce the speckle noise and other artifacts in the image and improve the quality and sharpness of tissues in the ultrasonic images. Making it easier to distinguish vessel structure and pathology, for quicker diagnostics. The M-Turbo ultrasound offers a wide range of connectivity options, making it easy to transfer data from the system to the facility's patient information system.

## Features

- 13 compatible transducers
- Lithium-ion battery
- 8 GB internal flash memory
- Integrated speakers
- 6.7 lbs (3.04 kg)
- 10.4" (30.2 cm) diagonal LCD screen
- Premium image quality
- Splash resistant user-interface
- Wireless connectivity



# Specifications

## Dimensions

**Height:** 3.1" (7.9 cm)  
**Width:** 10.8" (27.4 cm)  
**Depth:** 11.9" (30.2 cm)  
**Weight:** 6.7 lbs (3.04 kg)

## Display

**Type:** Liquid Crystal Display (LCD)  
**Size:** 10.4" (26.4 cm)

## Onboard Image and Clip Storage/Review

8 GB internal Flash memory storage capability Potential to store 30,000 images or 960 2-second clips  
 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  
 Cine review up to 255 frame-by-frame images

## Power

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

## Broadband, Multifrequency Imaging

2D / Tissue Harmonic Imaging / M-Mode  
 Velocity Colour Doppler / Colour Power Doppler  
 PW, PW Tissue Doppler and CW  
 Doppler angle, correct after freeze

## Image Processing

SonoADAPT Tissue Optimisation  
 SonoHD Imaging Technology  
 Advanced Needle Visualisation (SonoMBe Imaging)  
 Dual Imaging, Duplex Imaging, 2x pan/zoom capability, Dynamic range and gain

## 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



# Specifications

## External Data Management and Wireless

**DICOM Image Management (TCP/IP):** Print and Store, Modality Work List

**Storage Commit:** Modality, Perform, Procedure Step

### PC Workstation Image Management (TCP/IP, USB):

- SiteLink Image Manager – allows transfer, archiving, viewing and printing of high resolution bitmap images/clips, and batch compression to JPEG on PCs
- Direct writing capability to USB 2.0 mass storage removable media (PC and MAC compatible)
- Supported export formats are: MPEG-4 (H.264), JPEG, BMP, and HTML
- SonoSite Education Key training video compatible

### SonoSite Workflow Solutions (SWS):

- A suite of specialised tools to streamline exam management for billing, credentialing, EMR and image archiving

## External Video and Audio

S-video (in/out) to VCR or DVD for record and playback

RGB or DVI output to external LCD display

Composite video output (NTSC/PAL) to VCR or DVD, video printer or external LCD display

Audio output

Integrated speakers

## 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

Alphanumeric elastomeric QWERTY keyboard

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, DVD, save

Dedicated AutoGain and exam keys to allow quick activation

## H-Universal Stand and Peripherals

Transducer and gel holders

Optional Triple Transducer Connect (TTC) to quickly activate transducers electronically

Optional foot switch

