

## **SYSTEM SPECIFICATIONS**

- Weight: 6.7 lbs (3.04 kg) (without battery and transducer)
- Dimensions: 11.9" L x 10.8" W x 3.1" H (30.2 cm L x 27.4 cm W x 7.9 cm H)
- Display: 10.4" (26.4 cm) diagonal LCD (NTSC or PAL)
- Architecture: All-digital broadband multi-frequency imaging
- Dynamic range: Up to 165 dB
- Gray scale: 256 shades
- HIPAA compliance: Comprehensive tool set

## **IMAGING MODES AND PROCESSING**

### **Broadband, multi-frequency imaging**

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

### **Image Processing**

- SonoADAPT Tissue Optimization
- SonoHD Imaging
- SonoMB Multi-beam Imaging
- Advanced Needle Visualization
- Auto gain automatic image optimization
- Advanced Needle Visualization
- Auto gain automatic image optimization
- Dual Imaging
- Duplex Imagine
- 2x pan/zoom capability

## **TRANSDUCERS**

### **Broadband and multifrequency**

- Linear Array, Curved Array, Phased Array, Multiplane TEE, and Micro-Convex

### **Single Frequency**

- Cardiac Static Pencil

## **USB STORAGE FORMATS**

- MPEG-4 (H.264), JPEG, BMP, HTML
- Compatible with Mac and PC Formats

## **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

## **APPLICATION-SPECIFIC CALCULATIONS**

- Cardiac
- OB/Gyn/Fertility
- Vascular
- IMT (Intima Media Thickness)

## **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 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

## **MEASUREMENT TOOLS, PICTOGRAMS, AND ANNOTATIONS**

- 2D: Distance callipers, ellipses and manual traces
- Doppler: Velocity measurements, pressure half time, auto and manual trace
- M-Mode: Distance and time measurements, heart rate calculation
- User-selected text and pictograms
- User-defined, application-specific annotations
- Biopsy guidelines

## **EXTERNAL DATA MANAGEMENT AND WIRELESS**

### **DICOM® Image Management (TCP/IP)**

- Print and Store
- Modality Work List
- Storage Commit
- Modality Performed Procedure Step
- SiteLink™ Image Manager functionality
- SonoSite® Education Key™ training video compatible
- SonoSite Workflow Solutions
- SonoRemote™ Control - Bluetooth® wireless technology

## **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

## **SUPPORTED PERIPHERAL DEVICES**

- B/W video printer
- DVD recorder
- Bar code reader

## **MEASUREMENTS & REPORTING**

### **SYSTEM APPLICATIONS**

- Abdomen
- Emergency Medicine
- General Imaging
- Intraoperative /Interventional
- Renal

### **PAIN MANAGEMENT IMAGING**

- Anesthesia
- Musculoskeletal (MSK)
- Orthopedic

### **CARDIAC IMAGING**

- Cardiac Screening/Survey
- ECG

### **SMALL PARTS**

- Breast
- Testicle
- Thyroid

### **WOMEN'S IMAGING**

- Advanced OB
- Breast Imaging
- Gynecology
- Obstetrics

### **UROLOGY IMAGING**

- Pelvis
- Prostate

### **VASCULAR IMAGING**

- Arterial
- Carotid
- IMT
- Venous
- Volume Flow

### **STRUCTURED REPORTING**

- DICOM-Cardiac Structured Reporting
- DICOM-Vascular Structured Reporting
- DICOM-OB/GYN Structured Reporting

## TRANSDUCERS

- Broadband and multifrequency – Linear Array, Curved Array, Phased Array, Multiplane TEE, and Micro-Convex

### **TRANSDUCERS / PROBES (\*DISPLAYED MHZ RANGE INCLUDES MULTIPLE TRANSDUCERS)**

- Linear Array 5 – 15 MHz\*
- Intraoperative / Hockey Stick 6-13 MHz
- Curved Array 2-5 MHz
- Micro-Convex 5-8 MHz
- Phased/Sector Array 1-8 MHz
- Endovaginal 5-8 MHz
- Endorectal 5-8 MHz
- Veterinary (Equine) 5-8 MHz

### **CARDIAC TRANSDUCERS/PROBES**

- Adult Cardiac 1-5 MHz
- Pediatric Cardiac 4-8 MHz
- Pencil 2 MHz
- TEE 3-8 MHz