



Sigma P5 Ultrasound



General Specifications

Dimensions & Weight

- Length: 390 mm (15.3 in)
- Width: 320 mm (12.6 in)
- Height: 70 mm (2.7 in)
- Weight: 6.35 kg (14 lbs)

Electrical Power

- Input Power: 100-240 V
- Input Current: <2 amps
- Lithium Ion 129 Wh Battery
- 3-hour Battery endurance

Operating Environment

- Ambient Temperature: - 20°C to 55°C (- 4°F ~ 131°F)
- Relative Humidity: 30% to 85% (no condensation)
- Atmospheric Pressure: 700 hPa to 1060 hPa

Console Design

- High-Resolution Display
- Control Panel
- Carry Handle
- Transducer Port & Locking Lever

System Configuration

- Sigma P5 Ultrasound System
- Probes
- Carrying Case Handle
- Battery
- ECG (*Optional)
- Needle-Guided Brackets (*Optional)

Inputs & Outputs

Main Unit

- Transducer Port
- I/O Extend Port
- Power Input Port/Power Adapter
- 2 USB3 Ports
- VGA Port
- Ethernet Port
- ECG Port
- S-Video: Separate Video Output
- Speakers

Mobile System Cart

- 3 Transducer Ports
- I/O Port
- Trolley Storage Tray
- Wireless-LAN Adapter

Peripheral Equipment

- Sony B/W Printer

User Interface

Display Screen

- 15" LCD, High-Res. (1024 x 768)

Control Panel

- Alphanumeric & Function Keys
- Navigation Rotary Knob
- 6 Segment TGC
- Power/Battery Indicator
- Trackball

System Overview

Applications

- Abdomen
- Small Parts
- ICU/CCU
- Interventional
- Obstetrics
- Gynecology
- Cardiology
- Peripheral Vessels
- Urology
- Anesthesia
- Emergency Medicine
- Pediatrics
- Neonate
- Trans-cranial
- Musculoskeletal
- Intra-operative

Imaging Modes

- B
- M
- CFM (Color)
- TVI (Tissue Velocity Imaging)
- PW
- CW

- TVD (Tissue Velocity Doppler)
- AMM (Anatomical M Mode)
- Real-Time Panoramic View
- Power Angio

Transducer Type

- Linear Array
- Convex Array
- Phased Array

Imaging Technology

Imaging Features

- Software-Defined Ultrasound (SDU)
- Floating Point All Digital Beamforming Technology
- Point-by-Point Dynamic Focus Beaming
- Adaptive Broadband Imaging
- OmniView Spatial Compounding
- Lossless Grayscale Conversion
- Tissue Harmonic Imaging
- Linear Steering
- Trapezoid Imaging
- Real-Time Panoramic View
- Adaptive Speckle Suppression
- Motion Adaptive Persistence
- Auto Optimization
- Wideband Harmonics (Pulse Inversion)
- Discreet Fourier Transform Spectrum Processing (DFT)

Intuitive Workflow

- Thumbnail Images: Display Images are Saved During Live Scanning
- Menus and Active Parameter Adjustments
- Reports: Edit & Preview Function
- Backlight Indication
- Hot-Plug for Transducer
- Auto Power Save
- Boot Time: 20 seconds

Imaging Display

- Zoom (8x Magnification)
- Split Screen