

Specifications for S9 Portable Digital Color Doppler Ultrasound System



SonoScape

SonoScape Medical Corp

1 General Specifications

1.1 Applications

- Abdomen
- OB/Gynecology
- Cardiology
- Peripheral vascular
- Small parts
- Musculoskeletal
- Transvaginal
- Transrectal
- Cephalic

1.2 Available Probes

- Convex array probe
- Linear array probe
- Phased array probe
- Volume probe

1.3 Imaging Modes

- B
- THI/PHI
- M
- Anatomical M
- Color M
- CFM
- PDI/DPDI
- PW
- CW
- TDI
- TDI+PW
- TDI+M

1.4 Function and Configuration

- 5-band adjustable frequency in B mode (fundamental wave and harmonic wave)
- μ -scan
- Compound imaging
- LGC (2 bands)
- Tissue specific index
- Image rotation
- Trapezoid imaging
- HPRF
- Simultaneous mode (Triplex)
- PW auto trace
- Auto IMT
- Auto NT
- Auto EF

- Zoom
- B mode panoramic imaging
- Color panoramic imaging
- Biopsy guide
- Vis-Needle
- Freehand 3D
- 3D/4D
- S-Live (model dependent)
- S-Depth (model dependent)
- C-xlasto
- Contrast imaging (model dependent)
- ECG
- Stress Echo

1.5 Available Languages

- Software: English, Simplified Chinese, Spanish, Russian, French, Italian, German, Norwegian, Portuguese
- Key panel: English, Simplified Chinese, Spanish, Russian, French, Italian, German, Norwegian, Portuguese
- User manual: English, Simplified Chinese, Spanish, French, German, Norwegian, Portuguese, Swedish, Dutch, Italian

2 Physical Specifications

2.1 Size and Weight

- Size: approx. 360 mm (W) $\times$ 390 mm (H) $\times$ 140 mm (D)
- Weight: approx. 9 kg (battery included)

2.2 Monitor

- 15 inch medical high resolution monitor
- Resolution: 1024 $\times$ 768
- Viewing angle: 80° (left and right), 80° (up and down)
- Up/down angle: 0° to 40°

2.3 Control Panel

- User-oriented design
- Backlight design: panel buttons
- Trackball sensitivity: adjustable
- Concise button design
- Rotation angle: 0° to 120°

2.4 Touch Screen

- 13.3 inch medical high resolution screen
- Resolution: 1280 $\times$ 800

- Viewing angle: 80° (left and right), 80° (up and down)
- Up/down angle: 0° to 120°

2.5 Speaker

Hi-Fi Speaker

2.6 Probe Port and Probe Holder

- Probe port: 2 (activated and interchangeable)
- Probe holder: 2

2.7 Power

- Power consumption: 100 - 240 V ~, 2.7 - 1.2 A
- Frequency: 50/60 Hz

2.8 Working Environment

- Temperature: 10°C to 40°C
- Relative humidity: 30% - 75% RH (no condensation)
- Atmospheric pressure: 700 hPa - 1060 hPa
- System noise: ≤ 55 dB

2.9 Storage and Transportation Environment

- Temperature: -20°C to +55°C
- Relative humidity: 20% - 90% RH (no condensation)
- Atmospheric pressure: 700 hPa - 1060 hPa

3 Annotation and Body Mark

- All exams application included
- Annotation: text annotation and arrow annotation
- Annotation can be selected, edited and moved
- User-defined annotation
- Font size of text annotation: adjustable
- User-defined home position of annotation/arrow
- Body marks classified by specific exam types, and position adjustable
- Body marks: ≥ 114

4 Monitor Information

- Manufacturer logo
- Hospital name
- System date and time
- Probe and exam item
- MI and TIS
- Operator
- Probe icon
- Patient ID, name and date of birth

- Exam type icon
- Tissue temperature display (specified probe)
- Depth scale and focus position
- Image parameter
- Thumbnail
- Clipboard
- Screen saver

5 Image Parameter

5.1 Description

- System boot up: approx. ≤ 90 s
- System shut down: approx. ≤ 20 s
- Frame rate: ≥ 900 fps (e.g. L742 probe)
- Gray map: 256 levels
- Transducer element: up to 256
- Quad beams
- Audio: 0 - 100, 101 levels

5.2 B mode

- Gain: 1 - 255 adjustable
- Scan depth: ≥ 40 cm
- Compound imaging: Off, 1, 2, 3 levels
- Frequency: 5 bands adjustable (fundamental wave and harmonic wave)
- Chroma: 1 - 13, 13 levels
- Adaptive image fusion: 0 - 15, 16 levels
- μ-Scan: off, 2, 3, 7, 11, 5 levels
- Line density: Low, Med, High, 3 levels
- Persist: 0 - 95 (e.g. L742 probe)
- Focus number: 12 (e.g. L742 probe)
- Focus span: adjustable
- Dynamic range: 20 - 280 (e.g. 10I2 probe)
- Gray map: 1 - 7, 7 types selectable
- Power%: 1 - 100 adjustable
- Tissue acoustic characteristics: 1400 - 1700, 10 each step
- TGC: 8 segment sliders
- LGC: gain compensation for left or right part of image
- Image reverse: left/right, up/down, rotation
- Scan range and image position: adjustable
- B steer: 3 levels adjustable
- Trapezoid imaging: off, 1, 2
- Auto optimization

5.3 M Mode

- Gain: 1 - 255 adjustable

- Chroma: 1 - 5, 5 levels
- Display format: H1/2, H1/4, V1/3, V1/2, V2/3, O1/4
- Scan speed: Min, Slow, Med, Fast, Max, 5 levels
- Video invert: On/Off
- M process: Ave, Peak
- Power%: 30 - 100, 8 levels
- Color M: CFM, TDI

5.4 Anatomical M-mode

- Display 3 sample lines simultaneously
- Angle and position of sample lines adjustable

5.5 CFM Mode

- Frame rate: ≥ 190 fps
- Gain: 0 - 255 adjustable
- Power%: 0 - 100, 11 levels
- B reject: 0 - 255, 256 levels
- Size and position of color ROI: adjustable
- Image reverse: up/down, left/ right
- Invert: On/Off
- Frequency: 5 levels
- Wall filter: 25 - 750 adjustable (e.g. L742 probe)
- PRF: 0.5 - 12 KHz adjustable (e.g. L742 probe)
- Line density: Low, Med, High, Max, 4 levels (e.g. L742 probe)
- Color map: 1 - 10, 10 levels
- Baseline: ± 15 , 31 levels
- Persist: 0 - 80 selectable (e.g. L742 probe)
- ROI steer: 5 levels adjustable (linear array probe)
- ROI color: adjustable
- Auto optimization

5.6 PDI/DPDI Mode

- Power%: 0 - 100, 11 levels
- B reject: 0 - 255, 256 levels
- Persist: 30 - 80, 5 levels (e.g. L742 probe)
- Color map: 1 - 7, 7 levels
- Image reverse: up/down, left/right
- Wall filter: 25 - 750 adjustable (e.g. 4P-A probe)

5.7 PW Mode

- Gain: 0 - 255 adjustable
- Display format: H1/2, H1/4, V1/3, V1/2, V2/3,

- O1/4, 6 levels
- Simultaneous mode (Triplex)
- PW sample volume: 0.3 - 21 mm (L742 probe, C-Vascular)
- PW sample position: adjustable
- Invert: On/Off
- Quick angle correction: 0° , 60° , -60°
- Angle correction range: 0° to 72°
- Sample line steer: 5 levels adjustable (linear array probe)
- Auto trace: achievable in real-time and frozen mode
- Baseline: -8 to 8, 17 levels
- Frequency: 5 levels adjustable
- Wall filter: 25 - 750, adjustable
- PRF: 1 - 16 KHz (e.g. 4P-A)
- HPRF
- Max. velocity range: 0 - 11 m/s (4P-A, PRF=16 KHz, $\theta=60^\circ$, the lowest baseline, SVD=0.1 cm, FRQ=2 MHz)
- Scan speed: Min, Slow, Med, Fast, Max, 5 levels
- Chroma: 1 - 5, 5 levels
- Dynamic range: 1 - 10, 10 levels
- Auto optimization

5.8 CW Mode

- Gain: 0 - 255 adjustable
- Display format: H1/2, H1/4, V1/3, V1/2, V2/3, O1/4, 6 levels
- CW sample position: adjustable
- Invert: On/Off
- Angle correction range: 0° to 72°
- Auto trace: achievable in real-time and frozen mode
- Baseline: -8 to 8, 17 levels
- Wall filter: 25 - 750 adjustable (4P-A probe)
- PRF: 1 - 48 KHz (4P-A probe)
- Max. velocity range: 0 - 29 m/s (4P-A, PRF=48 KHz, $\theta=60^\circ$, the lowest baseline, SVD=0.1 cm, FRQ=2.2 MHz)
- Scan speed: Slow, Fast, Max, 3 levels
- Chroma: 1 - 5, 5 levels
- Dynamic range: 1 - 5, 5 levels

5.9 TDI Mode

- Tissue speed imaging
- Power%: 0 - 100, 11 levels

- B reject: 0 - 255, 256 levels
- Persist: 0 - 50, 5 levels (e.g. 4P-A probe)
- Color map: 1 - 4, 4 levels
- Image reverse: up/down, left/right
- Invert: On/Off
- Wall filter: 25 - 750 (e.g. 4P-A probe)

5.10 TDI+PW Mode

- PRF: 1 - 16 KHz (e.g. 4P-A probe)
- Max. velocity range: 0 - 11 m/s (4P-A, PRF=16 KHz, $\theta=60^\circ$, the lowest baseline, SVD=0.1 cm, FRQ=2 MHz)

5.11 TDI+M Mode

- Gain: 1 - 255 adjustable
- Chroma: 1 - 5, 5 levels
- Display format: H1/2, H1/4, V1/3, V1/2, V2/3, O1/4
- Scan speed: Min, Slow, Med, 3 levels
- M process: Ave, Peak
- Power%: 30 - 100, 8 levels

5.12 Freehand 3D

- Acquire method: linear scan, sector scan
- Display format: dual-split screen display, quad-split screen display, 3D full display
- Storage type: image, volume
- Retrieve type: image, stored volume
- Rotate X: rotate 4° along X axis, Rotate Y: rotate 4° along Y axis, Rotate Z: rotate 4° along Z axis
- Up/Down: move the image up/down; Left/Right: move the image left/right
- View: Top, Bottom, Left, Right, Front, Back
- 3D viewing angle: 0° , 90° , 180° , 270°
- Free rotation: On/Off
- Edit ROI: On/Off
- Select slice: A, B, C, 3D
- Reset: default settings, swivel angle, view angle
- Render mode (model dependent): Surface, Grad. Light, Skeleton, Transp. Min, X-Ray, S-Depth, S-Live
- Threshold: 0 - 255, 1 each step
- Contrast: 0 - 100, 1 each step
- Transparency: 0 - 100, 1 each step
- Brightness: 0 - 100, 1 each step
- Smoothness: 0 - 30, 1 each step
- B Chroma: 1 - 13, 1 each step

- 3D Chroma: max. 0 - 14 adjustable, 1 each step (render mode dependent)
- Zoom in: 0.5 - 3.0, 0.1 each step
- Methods for cropping reviews
By trace (crop inner or outer image)
By box (crop inner or outer image)
By eraser (big or small eraser)
- Slice display: 1×2 , 2×2 , 3×3 , 3×4 , 4×4 , 5×5
- Slice space: 0.5 - 10.0, 0.5 each step
- Slice number: 3 - 29, 2 each step
- Adjust light: On/Off (S-Live)
- Light position: 0-9, 1 each step

5.13 3D/4D

- Available for volume probe
- Display format: dual-split screen display, quad-split screen display, 3D full display
- Rotate X: rotate 4° along X axis, Rotate Y: rotate 4° along Y axis, Rotate Z: rotate 4° along Z axis
- Up/Down: move the image up/down; Left/Right: move the image left/right
- View: Top, Bottom, Left, Right, Front, Back
- 3D viewing angle: 0° , 90° , 180° , 270°
- Reset: default settings, swivel angle, view angle
- Render mode (model dependent): Surface, Grad. Light, Skeleton, Transp. Min, X-Ray, S-Depth, S-Live
- Auto rotation: 0° , 45° , 90° , 180° , 270° , 360°
- Image rotation: High, Med, Low
- Scan angle: 5° to 75° , 5° each step
- Stability: On/Off
- Edit ROI: On/Off
- Auto face: On/Off
- Adjust light: On/Off (S-Live)
- VolPre: user can return to pre-activate mode from activate mode
- Cine review: 0 - 499 (volume value dependent)
- Trackball (free rotation switch highlighted): free rotation
- Threshold: 0 - 255, 1 each step
- Contrast: 0 - 100, 1 each step
- Transparency: 0 - 255, 1 each step
- Brightness: 0 - 100, 1 each step
- Smoothness: 0 - 30, 1 each step
- Light position: 0 - 9, 1 each step
- 3D Chroma: max. 0 - 14 adjustable, 1 each step

(render mode dependent)

- B Chroma: 1 - 13, 1 each step
- Methods for cropping reviews
 - By trace (crop inner or outer image)
 - By box (crop inner or outer image)
 - By eraser (big or small eraser)
- Display format (C-plane): AB, AC, BC, ABC
- Slice: 1×2, 2×2, 3×3, 3×4, 4×4, 5×5
- Slice space: 0.5 - 10.0, 0.5 each step
- Slice number: 3 - 29, 2 each step

5.14 C-xlasto

- Image reverse: up/down, left/ right
- Interchangeable single/dual-split screen display
- Independent adjustment for left and right map
- Strain process: 0 - 6 level
- Contrast: 0.02 - 2.0, 0.01 each step
- Transparency: 0.10 - 1.0, 0.02 each step
- Persist: 0.02 - 0.98, 0.02 each step

5.15 Contrast Imaging (Model Dependent)

- Interchangeable single/dual-split screen display
- Image reverse: up/down, left/ right
- Biopsy and biopsy calibration
- Dual timers
- Flash frequency: 1 - 100, 1 each step
- Blast time: 0.1 s - 4.0 s, 0.1 each step
- Dynamic range: 20 - 280, 14 levels
- Power: 1% - 100%, 100 levels
- Gray map: 1 - 7, 7 levels
- Chroma: 1 - 16, 16 levels
- μ -scan: off, 2, 3, 7, 11, 5 levels
- Persist: 0 - 60, 7 levels
- TIC quantitative analysis
- TIC curve analysis
- Auto/manual ellipse trace measurement
- Max. ROI: 7
- Four compound curves: Bolus WIWO, General, Wash In, Wash Out
- Initial curve
- Review speed: 7 levels adjustable

5.16 Panoramic Imaging

- B mode panoramic imaging: linear and convex array probe
- CFM/PDI flow panoramic imaging: linear array

probe

- Rotation: 0° to 360°
- Zoom: 2.0 times

5.17 Biopsy Guide

- Biopsy line angle: adjustable
- Biopsy line angle calibration
- Biopsy line offset calibration
- User-defined biopsy line angle
- Ion implantation assistant position (probe dependent)

5.18 Vis-Needle

- Available probes: L752, 10I2, L742
- Steer angle: 20°, 30°, 40°, 50°, 4 levels
- Biopsy depth: adjustable
- Dual live

5.19 Wide Scan

Trapezoid imaging: Off, 1, 2 (linear array probe)

5.20 Zoom

- Zoom ratio: 0.8 - 10.0
- Scr-Zoom

5.21 Preset Exam

- Preset optimal exam mode and parameter for different probes and exam types
- Preset order: adjustable
- Import or export preset

6 Measurement/Analysis and Report

6.1 Measurement Settings

- BSA setting: Eastern, Western
- Cross cursor size: Large, Medium, Small
- Measure line size: Large, Medium, Small
- Distance dash line display: On, Off
- Velocity cross line display: On, Off
- Ellipse cross line display: On, Off
- Line ID display: On, Off
- Keep result window: On, Off
- Result font size: Large, Medium, Small
- Result position: Right Top, Right Bottom, Left Top, Left Bottom adjustable in 2D, dual+quad-split screen display, M or Doppler mode

6.2 Basic Measurement Package

- Obstetrics measurement package
- Small parts measurement package
- Gynecology measurement package
- Vascular measurement package
- Abdominal measurement package
- Cardiac measurement package
- Urology measurement package
- Pediatrics measurement package

6.3 Report

- Application-specific measurement report
 - ✓ Fetal growth curves
 - ✓ Fetus anatomy structure
 - ✓ Fetus compare (four fetuses)
- Measurement values: editable
- Image: adjustable
- Report logo (170 × 60 Pixel, bmp): changeable
- Font size and color: selectable
- Background color: selectable
- Display items: selectable
- Export format: PDF, TXT

6.4 Auto Measurement

- Auto IMT
- Auto NT
- Auto EF

7 Storage and Data Management

7.1 Storage

- Total storage: 500 G; free: ≥ 466 G
- Max. number of frames for cine: 100 - 2000 frames
- Storage of 4D cine: ≥ 480 frames (probe and parameter dependent)
- Directly store to USB drive
- Prospective storage for contrast imaging

7.2 Data Management

- Image share service (Samba)
- Export data to USB drive or DVD
- Export format:
 - ✓ System format
 - ✓ PC format
 - Image format: BMP, JPG, TIF
 - Cine format: AVI, WMV

- Report format: PDF, TXT
 - ✓ DICOMDIR
- Clipboard: thumbnail display, delete, export
- Create exam, delete exam, resume suspended exam
- Query/Retrieve service
- Review current exam and history exam
- Post-processing and post-measurement
- Show gallery

8 Cine Review

- Cine review: frame by frame manual play and auto play with adjustable speed
- Skip from first frame to last frame
- Auto playback with trackball

9 System Input and Output

9.1 I/O port

- USB port: 4
 - ✓ 3 USB 2.0 ports, 1 engineering port (model dependent)
- Video output ports: 3
 - ✓ VGA
 - ✓ VIDEO OUT
 - ✓ S-VIDEO OUT
- AUDIO OUT port: 1
- Foot switch input: 1
- Ethernet port: 1
- Video print port: 1

9.2 Video Output Settings

- VIDEO/S-VIDEO
- VGA

9.3 Network Connection

- Local network
- Wireless network (the same function with local network)

10 DICOM 3.0

- DICOM storage
- DICOM structured report
 - ✓ Gynecology structured report
 - ✓ Obstetrics structured report
 - ✓ Cardiology structured report
 - ✓ Vascular structured report
- DICOM storage commitment
- DICOM Worklist
- DICOM MPPS

- DICOM print
- DICOM Q/R list

11 Probe

11.1 Convex Array Probe

- C322
 - ✓ Application: Abdomen
 - ✓ Frequency range: 2.0 - 7.0 MHz
 - ✓ Acoustic lens: 32 mm × 11 mm
 - ✓ Biopsy bracket: NGB322, 5°/25°, sterilizable
- 3C-A
 - ✓ Application: Abdomen, Gynecology, Obstetrics
 - ✓ Frequency range: 1.0 - 7.0 MHz
 - ✓ Acoustic lens: 60 mm × 18 mm
 - ✓ Biopsy bracket: NGB3C-A, 12°/16.5°/22.5°/33.5°, sterilizable
- C353
 - ✓ Application: Abdomen, Gynecology, Obstetrics
 - ✓ Frequency range: 2.0 - 7.0 MHz
 - ✓ Acoustic lens: 71 mm × 18 mm
 - ✓ Biopsy bracket: NGB353, 15.4°/24.3°, sterilizable
- 6V1
 - ✓ Application: Gynecology, Urology
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 32 mm × 10 mm
 - ✓ Biopsy bracket: NGB6V1, 3°, sterilizable
 - ✓ Temperature monitor
- 6V3
 - ✓ Application: Gynecology, Urology
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 41 mm × 10 mm
 - ✓ Biopsy bracket: NGB6V3-2, 0°, sterilizable
 - ✓ Temperature monitor
- 6V7
 - ✓ Application: Gynecology, Urology
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 41 mm × 10 mm
 - ✓ Biopsy bracket: NGB6V7, 15°, sterilizable
 - ✓ Temperature monitor
- C613
 - ✓ Application: Cardiology, Abdomen
 - ✓ Frequency range: 4.0 - 13.0 MHz
 - ✓ Acoustic lens: 30 mm × 10 mm
 - ✓ Biopsy bracket: NGB613, 12°/18°/30°, sterilizable
- EC9-5
 - ✓ Application: Urology
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 27 mm × 10 mm
 - ✓ Biopsy bracket: NGBEC9-5, 1.5°, sterilizable
 - ✓ Temperature monitor

- BCC9-5
 - ✓ Application: Urology
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 26 mm × 10 mm
 - ✓ Biopsy bracket: NGBBCC9-5, 0°, sterilizable
 - ✓ Temperature monitor
- BCL10-5
 - ✓ Application: Urology
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 40 mm × 10 mm (convex array)/63 mm × 9 mm (linear array)
 - ✓ Biopsy bracket: NGBBCL10-5, 0°, sterilizable
 - ✓ Temperature monitor
- C542
 - ✓ Application: Pediatric Abdomen
 - ✓ Frequency range: 3.0 - 8.0 MHz
 - ✓ Acoustic lens: 65 mm × 15 mm
- 6CI-A
 - ✓ Application: Pediatric Abdomen
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 35 mm × 9 mm
 - ✓ Temperature monitor
- 6CT-A
 - ✓ Application: Pediatric Abdomen
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 35 mm × 9 mm
 - ✓ Temperature monitor
- C611
 - ✓ Application: Pediatric
 - ✓ Frequency range: 3.0 - 15.0 MHz
 - ✓ Acoustic lens: 32 mm × 10 mm
 - ✓ Biopsy bracket: NGB611, 17.5°, sterilizable

11.2 Linear Array Probe

- L752
 - ✓ Application: Vascular, Small parts, Musculoskeletal, Neurology
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 55 mm × 10 mm
 - ✓ Biopsy bracket: NGBL752, 45°, sterilizable
- 10I2
 - ✓ Application: Vascular, Small parts, Musculoskeletal, Neurology
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 28 mm × 10 mm
- L742
 - ✓ Application: Vascular, Small parts, Musculoskeletal, Neurology
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 42 mm × 10 mm
 - ✓ Biopsy bracket: NGBL742-2, 59.8°/42.9°, sterilizable
- LAP7
 - ✓ Application: Intraoperative
 - ✓ Frequency range: 3.0 - 15.0 MHz

- ✓ Acoustic lens: 42 mm × 10 mm
- ✓ Temperature monitor
- 10L1
 - ✓ Application: Vascular, Small parts, Musculoskeletal, Neurology
 - ✓ Frequency range: 6.0 - 18.0 MHz
 - ✓ Acoustic lens: 42 mm × 10 mm
 - ✓ Biopsy bracket: NGB10L1-2, 59.8°/42.9°, sterilizable
- 12LI-A
 - ✓ Application: Peripheral, Small parts
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 37 mm × 8 mm
 - ✓ Temperature monitor
- 12LT-A
 - ✓ Application: Peripheral, Small parts
 - ✓ Frequency range: 4.0 - 16.0 MHz
 - ✓ Acoustic lens: 37 mm × 8 mm
 - ✓ Temperature monitor

11.3 Phased Array Probe

- 4P-A
 - ✓ Application: Cardiology, Abdomen
 - ✓ Frequency range: 1.0 - 6.0 MHz
 - ✓ Central frequency: 2.7 MHz
 - ✓ Acoustic lens: 25 mm × 16 mm
 - ✓ Biopsy bracket: NGB4P-A, 14°/26°, sterilizable
- 7P-A
 - ✓ Application: Pediatric Cardiac
 - ✓ Frequency range: 2.0 - 9.0 MHz
 - ✓ Acoustic lens: 21 mm × 12 mm
- 5P2
 - ✓ Application: Pediatric Cardiac
 - ✓ Frequency range: 2.0 - 9.0 MHz
 - ✓ Acoustic lens: 20 mm × 13 mm
- 8P1
 - ✓ Application: Pediatric Cardiac
 - ✓ Frequency range: 4.0 - 12.0 MHz
 - ✓ Acoustic lens: 20 mm × 14 mm
- MPTEE
 - ✓ Application: Pediatric Cardiac
 - ✓ Frequency range: 4.0 - 13.0 MHz
- MPTEE mini
 - ✓ Application: Pediatric Cardiology
 - ✓ Frequency range: 4.0 - 13.0 MHz
- CWD2.0
 - ✓ Application: Vascular, Cephalic
 - ✓ Acoustic lens: Φ20 mm
- CWD5.0
 - ✓ Application: Vascular, Cephalic
 - ✓ Acoustic lens: Φ14 mm

11.4 Volume Probe

VC6-2

- ✓ Application: Abdomen, Obstetrics
- ✓ Frequency range: 2.0 - 7.0 MHz
- ✓ Acoustic window: 150 mm × 86 mm

12 Accessories

12.1 Printer

- Printer types
 - ✓ Color ink jet printer
 - ✓ B/W video printer
 - ✓ Color video printer
- Print type
 - ✓ Video print
 - ✓ Network print
 - ✓ USB print
 - ✓ Windows print
- Video invert
- Add printer

12.2 Trolley

- Model: ST-180
- Width: approx. 500 mm
- Depth: approx. 660 mm
- Height: approx. 760 - 960 mm
- Weight
 - ✓ Net weight: approx. 28 kg
 - ✓ Gross weight: approx. 34 kg (package included)
- Probe holder: 3
- Coupling gel holder: 1
- Handle: 1
- Casters
 - ✓ Specification: all the 4 casters can be independently locked
 - ✓ Diameter: 5 inches
- Probe cable hanger

12.3 External Wi-Fi

12.4 Foot Switch

- 2 pedals
- USB port connection

12.5 USB Bar Code Scanner

12.6 External DVD R/W Drive

12.7 Built-in Battery

12.8 1T Hard Disk

12.9 ECG Cable

12.10 Transducer Extender

13 Safety and Certification

- Comply with:
 - ✓ IEC 60601-1, Class I BF
 - ✓ IEC 60601-1-2, Group 1, Class B
 - ✓ IEC 60601-2-37

NOTE:

- The specifications of this system may change without any prior notification.
- Some products or features may not be available in some countries.
- Please contact your local SonoScape sales representative for more information.

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