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Title	S2 Technical Specifications			
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Specifications for S2 Portable Digital Color Doppler Ultrasound System



SonoScape

THE PIONEER OF DOPPLER ULTRASOUND IN CHINA

1. General Specification

S2 portable digital color Doppler ultrasound system adopts the advanced ultrasonic Doppler technologies, including the Full Digital Super-wide Band Beam Former, Digital Dynamic Focusing, Variable Aperture and Dynamic Tracing, Wide Band Dynamic Range, Multi-beam Parallel Processing, Compound Imaging, 4D Imaging, etc. The ultrasound diagnostic software in ergonomic design can be customized and easily performed by users.

Based on the computer technology and Linux operating system, this ultrasound system is reliable and stable. System maintenance and upgrade can be completed by updating software to achieve product improvements and advanced technology.

Complied with the international standards and regulations, this ultrasound system is safe and effective.

2. Advanced Technologies

- PC Platform technique
- Full Digital Beam Former
- Compound Imaging
- Harmonic Imaging
- Panoramic Imaging
- Trapezoidal Imaging
- Steer M
- Elastography imaging
- 3D Imaging
- 4D Imaging
- TDI
- CW
- Dicom3.0
- Smart Upgrade
- Remote Maintenance Function

3. Standard Configurations

- Color Mode
- DPI Mode
- M Mode
- PW Mode
- THI Mode
- Dicom3.0
- Built-in WorkStation
- Four beams
- Built-in μ -Scan
- Compound Imaging
- Trapezoidal Imaging
- Obstetric Measurement Package
- Gynecology Measurement Package
- Cardiology Measurement Package
- Vascular Measurement Package
- Urology Measurement Package
- Small Parts Measurement Package
- Orthopedic Measurement Package
- High Pulse Repetition Frequency
- Spectral Doppler Auto Trace

4. Optional Functions

- CW Mode
- Triplex Imaging
- Panoramic Imaging
- 4D Imaging
- ECG
- Steer M
- DVD
- Elastography Imaging
- 3D Imaging
- TDI Mode

5. Optional Accessories

- Battery and AC Adaptor pack
- Uninterrupted Power Supply (UPS)
- Biopsy Brackets
- Color ink-jet printer
- B/W Video Printer
- External DVD Burner
- Foot Switch
- Trolley
- Probe Cable Hanger

6. Transducer Scan Ranges

- Linear transducer: max. 46mm
- Curved array transducer: $\geq 70^\circ$
- Phased array transducer: $\geq 90^\circ$
- Micro-Curved array transducer: $\geq 132^\circ$
- 4D transducer: $\geq 70^\circ$

7. Scan Methods

- Electronic curved array scan
- Electronic linear array scan
- Electronic phased array scan
- 4D mechanical scan

8. Applications

- Abdomen
- Small parts and superficial
- Gyn/OB
- Vascular
- Cardiology
- Urology
- Musculo-skeletal

- Trans-cranial
- Orthopaedics
- Emergency Medicine
- Anesthesia
- Pediatric

9. Imaging Modes

- B Mode
- M Mode
- THI Mode
- Color Mode
- DPI Mode
- PW Mode
- CW Mode (optional)
- TDI Mode (optional)
- 4D Mode (optional)
- 3D Mode (optional)
- Elastography Imaging (optional)
- Panoramic Imaging (optional)

10. Display Formats

- B, Dual B, 4B
- B+Color, Dual B+Color
- B+DPI, Dual B+DPI
- M, B+M, Dual B+M
- B+PW, Dual B+PW
- B+ Color +PW
- B+DPI+PW
- B+ TDI, Dual B+ TDI (optional)
- B+TDI+PW (optional)
- B+CW, Dual B+CW (optional)
- B+ Color +CW (optional)
- B+DPI+CW (optional)

- B+ Steer M (optional)
- 4D Imaging (optional)
- 3D Imaging (optional)
- Panoramic Imaging (optional)
- Elastography Imaging (optional)

11. System Configuration Menu

- General Setting
 - General
 - Hospital Name
 - Language Setting
 - ◆ English
 - ◆ Simplified Chinese
 - ◆ Spanish
 - ◆ Russian
 - ◆ French
 - ◆ Italian
 - ◆ German
 - ◆ Polish
 - ◆ Romanian
 - ◆ Hungarian
 - ◆ Portuguese
 - Freeze Response
 - ◆ Cine
 - ◆ Measure
 - ◆ Bodymark
 - ◆ Comment
 - ◆ Arrow
 - Trackball sensitivity: 5 levels adjustable
 - Date Format
 - ◆ Year/Month/Day
 - ◆ Month/Day/Year
 - ◆ Day/ Month/Year

- Time Format
 - 12 hour
 - 24 hour
- Date/Time Setting
- Font Size
 - ◆ Comment
 - ◆ Image Parameter
 - ◆ Title Bar
- Volume control
- Display
 - TGC Curve Display
 - ◆ Hide
 - ◆ Timeout Hide
 - ◆ Always on
 - Frequency Display
 - ◆ Center
 - ◆ Range
 - Title Bar
 - ◆ Patient Name
 - ◆ Patient DOB
 - ◆ Sonograhper/Referring.M.D/
Performing.M.D
 - Open Clipboard on Freeze
 - Show Auto Create Patient ID Prompt
Message
- Parameter menu setting
 - B Mode
 - M Mode
 - Color Mode
 - DPI Mode
 - PW Mode
 - CW Mode
- Storage
 - Storage Region

- ◆ Full screen
- ◆ US image area,
- ◆ Right Top
- Storage Frame
- Store To UsbDisk
- Peripheral
 - Video Mode
 - ◆ VGA
 - ◆ TV: NTSC, PAL
 - Local Network
 - Printer Setting
 - ◆ Add or delete printer
 - ◆ Default Printer
 - ◆ Media
 - ◆ Position
 - ◆ Scaling
- Comment
 - Annotation library setting
 - Display Language: Current language or English
 - Customize comment item
 - Clear Annot On Unfreeze
- Bodymark Setting
 - Bodymark library setting
 - Default display position
 - Clear Bodymark on Unfreeze
- Measurement setting
 - General
 - Unit: Metric (cm), Metric (mm) or US.
 - Heart Rate Cycle: 1-6
 - GA Calculation method: Last, Min, Max., Average
 - Unfreeze measure: ON, OFF
 - Measure Line Size: 7 levels adjustable
 - Unfreeze Clear Measure Result: ON, OFF
 - Measure Results Font Size: adjustable
 - Auto trace on cine playback status: ON, OFF
 - Show OB Age: ON, OFF
 - Show EDD: ON, OFF
 - RUV RATIO: 0.7, 0.52
 - Follicle measurement method: Double Caliper s or Three Caliper
 - Measurement shortcut key (Cardiology, Obstetrics)
 - Show SD
 - Measurement menu
 - 2D Mode
 - ◆ Distance
 - ◆ Trace
 - ◆ Ellipse
 - ◆ Angle
 - ◆ Volume
 - ◆ Trace Length
 - ◆ Bezier Length
 - ◆ D1/D2
 - ◆ D2/D1
 - ◆ A1/A2
 - ◆ A2/A1
 - ◆ Vascular
 - ◆ Gynecology
 - ◆ Obstetrics
 - ◆ Cardiology
 - ◆ Small Parts
 - ◆ Urology
 - ◆ Orthopedic
 - M Mode
 - ◆ Time

- ◆ Distance
- ◆ Slope
- ◆ Heart rate
- ◆ T1/T2
- ◆ D1/D2
- ◆ Cardiac
- PW Mode
 - ◆ Velocity
 - ◆ Time
 - ◆ Heart rate
 - ◆ Manual trace
 - ◆ Semi-Auto trace
 - ◆ Vascular
 - ◆ Obstetrics
 - ◆ Cardiology
- Measurement Formula
 - ◆ BSA: Eastern, Western
 - ◆ Gynecology measurement formula
 - ◆ AC: Hadlock, Merz, Campbell, Tokyo, Hansmann
 - ◆ APTD: Hansmann
 - ◆ BDP: Hadlock, Hansmann, Campbell, Kurtz, Jeanty, Sabbagha, Merz, Tokyo, Osaka, Rempen
 - ◆ CER: Hill, Chitty
 - ◆ CHD: Bahlmann
 - ◆ CRL: Hadlock, Hansmann, Nelson, Robinson, Tokyo, Jeanty, Osaka, Rempen
 - ◆ DS: Bahlmann
 - ◆ FIB: Merz
 - ◆ FL: Jeanty, Hadlock, Hohler, Merz, Chitty, Tokyo, Osaka, Campbell
 - ◆ GS: Hansmann, Hellman, Nyberg, Tokyo, China, Rempen
- ◆ HC: Hadlock, Chitty_M, Chitty_D, Merz, Campbell, Jeanty
- ◆ HUM: Jeanty, Merz, Osaka
- ◆ LV: Tokyo
- ◆ OFD: Hansmann
- ◆ OOD: Jeanty
- ◆ Radius: Merz
- ◆ TAD: Hansmann
- ◆ TIBIA: Jeanty, Merz
- ◆ ULNA: Jeanty
- ◆ EFW: Hadlock1 (AC,FL), Hadlock2 (HC,AC,FL), Hadlock3 (BPD,AC,FL), Hadlock4 (BPD HC,AC,FL), Shepard (AC, BPD), Campbell (AC), Hansmann (BPD, TAD)
- Report Setting
 - Report logo
 - Title/Font/Color setting
 - Display items for report: Patient Information, Exam Information, Measurements, Image, Graphs, Comment
 - Preview
- DICOM Setting
 - DICOM Image Storage
 - DICOM Commitment Storage
 - Worklist
 - MPPS
 - DICOM Print
- System Information
 - System Version
 - Restore Factory Setting
 - Update: USB or Network update

12. System Parameters

- Frame rate: max. 866fps (may vary with different configuration)
- Grayscale Level: 256
- Transducer Elements: max. 128

13. B Mode

- Gain: 0-255
- Time Gain Control: 8 slider controls
- Scan depth: 25.9cm
- Focal zones: max. 15. focal span adjustable
- Chroma: 9 types
- Frequency: 5 bands
- Power: 1%-100%. Step size: 1% (power <5%), or 5% (power >5%)
- Line density: high/medium
- Sector width: adjustable
- Dynamic Range: 20-320 (Probe dependent)
- Grayscale curve: 28 levels selectable
- Persistence: 8 levels
- Compound imaging: On, Off
- Trapezoidal imaging: On, Off (for linear probe only)
- L-R Reverse
- U-D Reverse
- Rotate Angle : 0°, 90°, 180°, 270°
- Biopsy guide function (optional)
 - ◆ Biopsy lines angle adjustable: 40.0~50.0°
 - ◆ Biopsy lines offset adjustable : 22.0~42.0°
- μScan: OFF, 1-5 types adjustable
- ECG menu (optional)
 - ◆ ECG ON/OFF: On, Off
 - ◆ ECG GAIN: 1-6 levels adjustable

- ◆ ECG POSITION: 9 types adjustable
- ◆ ECG INVERT: On, Off
- ◆ R-TRIGGER: On, Off
- ◆ TRIGGER DELAY: adjustable
- Sector angle (for linear probe, optional)
- Zoom magnification: 1-15x
- m-Tuning function

14. Color Doppler

- Gain: 0-255
- Frame rate:>137 fps(probe dependent)
- Sample box: position and size adjustable
- Steer (for linear probe only): 0, ±12, ±16, ±20
- PRF:0.5-5.1KHz (probe dependent)
- Frequency: 5 bands
- Power: 1%-100%. Step size: 1% (power <5%), or 5% (power >5%)
- Resolution: 6 levels
- Wall filter: 5-955
- B Reject: 0-255
- Persistence: 8 levels
- Color Map: 10 types
- Flow Invert: On, Off
- Image Invert: Left/right, Up/down
- ECG menu (optional)
 - ◆ ECG ON/OFF: On, Off
 - ◆ ECG GAIN: 1-6 levels adjustable
 - ◆ ECG POSITION: 9 types adjustable
 - ◆ ECG INVERT: On, Off
 - ◆ R-TRIGGER: On, Off
 - ◆ TRIGGER DELAY: adjustable
- m-Tuning function

15. M Mode

- Sweep speed: 2, 4, 6, 8 s/frame
- Display Format: H1/1, H1/2, H2/1, V1/1, V1/2
- Chroma: 8 types
- Smoothing: 8 levels
- Video invert
- Steer M: max. 3 lines, display frame rate (optional)
- ECG menu (optional)
 - ◆ ECG ON/OFF: On, Off
 - ◆ ECG GAIN: 1-6 levels adjustable
 - ◆ ECG POSITION: 9 types adjustable
 - ◆ ECG INVERT: On, Off

16. Spectral Doppler

- Frequency: 5 bands
- Power: 1%-100%. Step size: 1% (power <5%), or 5% (power >5%)
- Sweep speed: 2, 4, 6, 8 s/frame
- Dynamic Range: 10 levels
- Wall filter: 0-15
- Chroma: 8 types
- Display Format: H1/1, H1/2, H2/1, V1/1, V1/2
- Spectrum Invert
- Video Invert
- 2D Refresh (optional)
- ECG menu (optional)
 - ◆ ECG ON/OFF: On, Off
 - ◆ ECG GAIN: 1-6 levels adjustable
 - ◆ ECG POSITION: 9 types adjustable
 - ◆ ECG INVERT: On, Off
- PRF: 0.7~5.5kHz (PW)
- PRF: 0.7~5.5kHz (CW)

- Baseline: 17 levels
- Spectral Doppler
 - ◆ PW
 - ◆ CW (optional)
- Spectral Doppler trace methods: manual trace, auto trace, real-time trace, frozen mode trace
- Speed Range
 - ◆ 0.03-1150 cm/s (PW)
 - ◆ 0.09-1146 cm/s (CW)
- Angle correction: 0-80°
- PW Sample volume position: 0.5-20mm
- Steer angle: 0, ±12, ±16, ±20

17. TDI (Optional)

- Sample box: position and size adjustable
- Frequency: 5 bands
- Power: 1%-100%. Step size: 1% (power <5%), or 5% (power >5%)
- Resolution: 6 levels
- B Reject: 0-255
- Persistence: 0-255
- Color Map: 10 types
- Image Invert: left/right, up/down
- PRF:0.5-5.1 kHz (probe dependent)
- ECG menu (optional)
 - ◆ ECG ON/OFF: On, Off
 - ◆ ECG GAIN: 1-6 levels adjustable
 - ◆ ECG POSITION: 9 types adjustable
 - ◆ ECG INVERT: On, Off
 - ◆ R-TRIGGER: On, Off
 - ◆ TRIGGER DELAY: adjustable

18. 4D Imaging (Optional)

- Display Mode:
 - Dual-split Display
 - Quad-split Display
 - 3D Full Display
- Cutting Line Curvature and position: adjustable
- Sample box: position and size adjustable
- Scan Angle: 20°-75° adjustable
- Image Quality: High, Medium, Low
- Stability: On/Off
- Adjust Slice
- Crop: on/off
- ROI show: on/off
- Render Mode: Vol, MaxIP
- X Rotation
- Y Rotation
- Z Rotation
- Horizontal Movement: Left/Right
- Vertical Movement: Up/Down
- Zoom In/Out: adjustable
- Restore
- Opacity Threshold: 0-100
- Opacity Window:10-100
- Filter Mode: 0-4 adjustable
- Crop: In, Out, Off
- Undo Cut
- Volume Review: 0-100
- Auto Rotate: 60°, 90°,180°, 360° adjustable
- Color Map: 0-4 adjustable
- Volume Playback: 0-5 adjustable
- Brightness: 1-100
- Multi-Slice: Ref A, Ref B, Ref C
- Slice Spacing: 0.5-2.0, adjustable

- Storage: 3D Image/Cine/Volume Storage
- Print

19. 3D Imaging (Optional)

- Display Mode:
 - Dual-split Display
 - Quad-split Display
 - 3D Full Display
- Crop: on/off
- ROI show: on/off
- Adjust Slice
- X Rotation
- Y Rotation
- Z Rotation
- Horizontal Movement: Left/Right
- Vertical Movement: Up/Down
- Restore
- Crop: In, Out, Off
- Undo Cut
- Opacity Threshold: 0-100
- Opacity Window:10-100
- Brightness: 1-100
- Render Mode: Vol, MaxIP
- Free Rotate: 60°, 90°,180°, 360° adjustable
- Zoom In/Out: adjustable
- Sweep Mode: Parallel, Sector
- Sweep Distance: 30-150
- Sweep Angle: 20°-90°
- Sweep Speed: High, Medium, Low
- Color Map: 0-4 adjustable
- Multi-Slice: Ref A, Ref B, Ref C
- Slice Spacing: 0.5-2.0, adjustable
- Storage: 3D Image/Volume Storage

- Print

20. Elastography Imaging (Optional)

- Display Mode:
 - Dual-split Display
 - Single Display
- Sample box: position and size adjustable
- Depth and Focus: adjustable
- Pressure Level: 1-7 adjustable
- Strain curve
- Strain Process: 0-6 adjustable
- Strain Map L: 1-7 adjustable
- Strain Map R: 1-7 adjustable
- Transparency: 0.00-1.00 adjustable
- Persistence: 0.30-0.98 adjustable
- Contrast: 0.02-2.00 adjustable
- Frequency: 4.0-7.0 adjustable (probe dependent)
- Cine playback: 0-99 adjustable
- Measurements: strain ratio: trace and ellipse method
- Storage: Image/Cine

21. Storage Medium

- Hard drive storage size: 500G
- Storage medium
 - USB drive
 - Burner

22. Image Storage and Review

- Cine playback: up to 1000 fps (user customizable)
- Single frame storage
- Cine storage

- Clipboard function
- Doppler cine playback

23. DICOM Communication

- Structured Report (SR) for ABD, OB, GYN, Cardiac, Vascular, Urology, Small Parts, PED, Musculoskeletal, Nerve, Orthopedics
- DICOM image storage format: uncompressed, RLE, JPEG
- DICOM remote storage
- DICOM ECHO
- DICOM Commitment Storage
- DICOM WorkList Acquisition
- DICOM MPPS
- DICOM Print
- DICOM storage medium
- Compliance with DICOM 3.0 standard

24. Data communication

- Patient information and measurement data on this device can be imported from or exported to the USB drive or DVD, and can be exported from DICOM.

25. Exam Customization

- User can customize application/exam modes by adjusting various imaging parameters and save them as new exam modes.

26. Patient management

- Patient registration including the patient name, ID, sexuality, DOB, height, weight, blood pressure, BSA, HR, LMP, EDD, GA, comments.
- Import patient exam from worklist

- Review, DICOM transfer, printing, import and export of patient information, report and image;
- DICOM service queue control

27. Annotation and Bodymark

- Bodymark symbols: ≥100
- Comment library and bodymark library categorized by exam modes
- User-defined comment items
- Comment can be moved, edited or deleted.
- Bodymark can be moved. Probe marker position and orientation adjustable
- Rotate or adjust the size of arrow and annotation

28. Physical Specifications

- Size: 230mm(L) × 400mm(W) × 350mm(H)
- Weight: approximately 13 kg
- LCD display: 15-inch anti-flickering high resolution progressive scanning color LCD
- Probe connector: 2, interchangeable

29. Safety Standards

- Complies with IEC60601-1, Class I, Type BF Applied Parts

30. Environmental Requirement

- Operation environment
 - Temperature: 10°C-40°C
 - Relative humidity: 30%-85% (no condensation)
 - Pressure: 700hPa-1060hPa
- Storage and transportation environment
 - Temperature: -20°C-55°C

- Relative humidity: 20%-90% (no condensation)
- Pressure: 700hPa-1060hPa
- Power supply requirement
 - 110-240V AC, 2.7-1.2A
 - Frequency: 50/60Hz

31. Optional transducers

- Linear transducers
 - L741 (5.0-12.0 MHz)
 - 10L1 (5.0-15.0 MHz)
 - 10I2 (4.0-12.0 MHz)
- Curved transducer
 - C344 (2.0-6.0 MHz)
 - C354 (2.0-6.0 MHz)
 - C611 (3.0-9.0 MHz)
 - C322 (2.0-6.0 MHz)
 - C542 (3.3-6.5 MHz)
- Endocavitary transducer
 - 6V1 (3.0-9.0 MHz)
 - EC9-5 (4.0-10.0 MHz)
- Volume transducer
 - VC6-2 (2.0-6.0 MHz)
- Phased array transducer
 - 2P1 (1.5-4.5 MHz)
 - 5P1 (3.0-8.0 MHz)

32. Measurement and Calculations

- General measurements (applicable in real time and frozen mode)
 - B Mode
 - Distance

- Ellipse (Area and circumference)
- Trace (Area and circumference)
- Trace Length
- Bezier Length
- Angle
- Volume ($D1 \times D2 \times D3$)
- Distance ratio ($D1/D2$, $D2/D1$)
- Area ratio ($A1/A2$, $A2/A1$)
- M Mode
 - Time
 - Heart rate
 - Distance
 - Slope
 - Time ratio ($T1/T2$)
 - Distance ratio ($D1/D2$)
- Spectral Doppler Mode
 - Velocity
 - Acceleration
 - Time
 - Heart rate
 - Manual trace
 - Semi-auto trace
 - Auto trace
- 3D/4D Imaging (optional)
 - Distance
 - Ellipse (Area and circumference)
 - Trace (Area and circumference)
 - Volume
- Vascular measurements (applicable in real time and frozen mode)
 - B Mode
 - IMT
 - ICA
 - ECA
 - CCA
 - INT IL
 - EXT IL
 - ILIAC
 - LT CIR
 - CFA
 - PROFUN
 - SFA
 - POP
 - ATA
 - PERON
 - DR PED
 - ◆ Diam Original
 - ◆ Diam Reduce
 - ◆ Area Original
 - ◆ Area Reduce
 - PW Mode
 - Heart rate
 - ICA
 - ECA
 - CCA
 - INT IL
 - EXT IL
 - ILIAC
 - LT CIR
 - CFA
 - PROFUN
 - SFA
 - POP
 - ATA
 - PERON

- PTA
- DR PED
 - ◆ VP
 - ◆ VE
 - ◆ VM
 - ◆ PI
 - ◆ RI
 - ◆ S/D
 - ◆ HR
- Obstetrics measurements (applicable in real time and frozen mode) (4 fetus)
 - B Mode
 - Fetal Heart
 - ◆ AOA
 - ◆ AO
 - ◆ DAO
 - ◆ IVSd
 - ◆ LVIDd
 - ◆ IVSs
 - ◆ LVPWd
 - ◆ LVIDs
 - ◆ LVPWs
 - ◆ LVOT
 - ◆ PA
 - ◆ RV
 - ◆ RVOT
 - EFW (calculated automatically)
 - GS
 - CRL
 - BPD
 - HC
 - AC
 - FL
 - AFI
 - NT
 - OFD
 - LV
 - OOD
 - CER
 - CHD
 - DS
 - UA
 - HA
 - AA
 - THD
 - TC
 - APTD
 - TTD
 - TAD
 - APAD
 - HUM
 - RAD
 - ULNA
 - Kidney
 - TIBIA
 - FIB
 - Fetal Ratios
 - ◆ CI
 - ◆ FL/AC
 - ◆ FL/BPD
 - ◆ HC/AC
 - FOOT
 - ◆ EDD
 - ◆ AUA
 - ◆ GA
- PW Mode
 - Heart rate

- Umb A
- MCA
- Rt Uterine A
- Lt Uterine A
- Fetal AO
 - ◆ VP
 - ◆ VE
 - ◆ VM
 - ◆ PI
 - ◆ RI
 - ◆ S/D
 - ◆ HR
- Gynecology measurements (applicable in real time and frozen mode)
 - B Mode
 - UT
 - ◆ L
 - ◆ W
 - ◆ D
 - Cervix
 - ◆ CX-L
 - ◆ CX-H
 - ◆ CX-W
 - Ovary (left/right ovary volume)
 - ◆ D1
 - ◆ D2
 - ◆ D2
 - Follicle (12 follicles are supported)
- Cardiology measurement and calculation (applicable in real time and frozen mode)
 - B Mode
 - Left ventricle measurement
 - ◆ Simpson's Biplane Disk
 - ◇ Diastole 2CH
 - ◇ Systole 2CH
 - ◇ Diastole 4CH
 - ◇ Systole 4CH
 - ◆ Single ellipse method
 - ◇ End diastole left ventricle long-axis area
 - ◇ End diastole left ventricle long-axis length
 - ◇ End systole left ventricle long-axis area
 - ◇ End systole left ventricle long-axis length
 - ◆ Biplane ellipse method
 - ◇ End diastole left ventricle long-axis area
 - ◇ End systole left ventricle long-axis area
 - ◇ End diastole left ventricle short-axis area at the level of mitral valve
 - ◇ End systole left ventricle short-axis area at the level of mitral valve
 - ◇ End diastole left ventricle short-axis length
 - ◇ End systole left ventricle short-axis length
 - ◆ Bullet method
 - ◇ End diastole left ventricle short-axis area at the level of mitral valve
 - ◇ End systole left ventricle short-axis area at the level of mitral valve
 - ◇ End diastole left ventricle long-axis length
 - ◇ End systole left ventricle long-axis length
 - ◆ Simpson

- ❖ End diastole left ventricle short-axis area at the level of mitral valve
 - ❖ End systole left ventricle short-axis area at the level of mitral valve
 - ❖ End diastole left ventricle short-axis area at the level of papillary muscles
 - ❖ End systole left ventricle short-axis area at the level of papillary muscles
 - ❖ End diastole left ventricle long-axis length
 - ❖ End systole left ventricle long-axis length
- ◆ Cube
 - ❖ End diastole inter ventricular septum dimension
 - ❖ End diastole left ventricle short-axis length
 - ❖ End diastole left ventricular posterior wall dimension
 - ❖ End systole inter ventricular septum dimension
 - ❖ End systole left ventricle short-axis length
 - ❖ End systole left ventricle posterior wall dimension
- ◆ Teichholz
 - ❖ End diastole left ventricle short-axis length
 - ❖ End systole left ventricle short-axis length
- ◆ Gibson
 - ❖ End diastole left ventricle short-axis length
 - ❖ End systole left ventricle short-axis length
- Right Ventricular Diameter
 - Main Pulmonary Artery
 - Mitral Valve Diameter
 - Pulmonary Artery Diameter
 - Diameter of Left Ventricular Outflow Tract
- M Mode
 - Heart rate
 - Left ventricle
 - ◆ Cube
 - ❖ End diastole left ventricle short-axis length
 - ❖ End systole left ventricle short-axis length
 - ❖ Interventricular septal thickness at end diastole
 - ❖ End diastole left ventricular posterior wall dimension
 - ❖ End systole left ventricle posterior wall dimension
 - ❖ Ejection time
 - ◆ Teichholz
 - ❖ Four-point method
 - ❖ Eight-point method
 - ◆ Gibson
 - ❖ Four-point method
 - ❖ Eight-point method
 - Mitral valve measurement
 - Aortic valve measurement
- PW Mode
 - Heart rate
 - TEI index
 - PHT
 - Mitral valve measurement
 - Tricuspid valve measurement
 - Pulmonary valve measurement

- Aortic valve measurement
- Pulmonary vein measurement
- dp/dt and dp/dt max.
- TDI
 - ◆ MVA Lat
 - ◆ MVA Sep
 - ◆ TVA Lat
 - ◆ TVA Sep
 - ◆ IVS
- Small parts measurements (applicable in real time and frozen mode)
 - Left/right thyroid
 - Length
 - Width
 - Height
 - Thyroid isthmus
 - Left upper parathyroid glands
 - Left lower parathyroid glands
 - Right upper parathyroid glands
 - Right lower parathyroid glands
 - Length
 - Width
 - Height
 - Testicle (left/right)
 - Seminal vesicle (left/right)
 - Str.Ratio (for Elastography imaging)
 - Str.Ratio Trace T1
 - Str.Ratio Ellipse T1
- Urology measurements (applicable in real time and frozen mode)
 - Left/right kidney
 - Left/right Adrenal Glands
 - Bladder
- Residue urine measurement
 - Length
 - Width
 - Thickness
- Prostate volume
- Prostate transition zone volume
- Orthopedic measurements (applicable in real time and frozen mode)
 - HIP
- Measurement and calculation report (editable)
 - Obstetrics Report
 - Fetal growth curve: no limit
 - Fetal anatomy structure
 - Fetal compare (quadruplet)
 - Insert images: no limit
 - Comment
 - Gynecology Report
 - Vascular report
 - Cardiology report
 - Small parts report
 - Urology report

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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