

Wireless Ultrasound Scanner Specification-S10

1. System Specification

- 1.1 Size: 190x90x60mm
- 1.2 Weight: 630g (With probe)
- 1.3 Ultrasound platform: Android, IOS(reserved), Windows(reserved)
- 1.4 Connection Type: WIFI, USB Type-C
- 1.5 Viewing device: Tablet, Phone, Goggles
- 1.6 Waterproof level: IP67
- 1.7 Imaging Modes: B, M, Color, Power, PW
- 1.8 Architecture: All-digital broadband
- 1.9 Gray scale levels: 256
- 1.10 Dynamic range: 120dB
- 1.11 Frames rate: 26/frame
- 1.12 Scanning depth: up to 310mm
- 1.13 Digital Technology:
 - Tissue harmonic Imaging
 - Tissue Specific Imaging
 - Panoramic focusing technology
 - Frequency compounding
 - Space compounding
 - Wide-angle imaging
 - Real-time Dynamic Aperture
- 1.14 Quick Image Optimization (reserved)
- 1.15 Zoom: Max 10 times (Only Windows)
- 1.16 Language:
 - Software: English, Chinese, Arabic, German, Russian, Spanish, French, Italian
 - User Manual: English, Chinese
- 1.17 Cine loop: 400 frames movie playback stored
- 1.18 Connectivity:
 - Export studies via USB -C or DICOM3.0 (only Windows)
 - Display images through HDMI Port with transfer accessory
 - Print to wireless printers
- 1.19 Battery: continue working for 12 hours

2. Measurement and Calculation

- 2.1 B mode: Distance, angle, area, volume, trace length, distance ratio, area ratio, histogram
- 2.2 M mode: Distance, time, slope, heart rate
- 2.3 C mode: Distance, circle, angle
- 2.4 P mode: Distance, circle, angle
- 2.5 PW mode: Distance, circle, angle

2 Cine loop

- 3.1 Manual and automatic playback
- 3.2 400 frames movie playback stored

4 Storage

- 4.1 Depending on storage of smart devices
- 4.2 PNG format with Android App; JPG format with Windows App.

5 Connectivity:

- 5.1 Export studies via USB -C or DICOM3.0 (only Windows)
- 5.2 Display images through HDMI Port with transfer accessory
- 5.3 With Type-C connector for charging and data transfer

6 App Specification

B Mode

- 6.1 Depth: 1.5-15.2
- 6.2 Gain: 0-100
- 6.3 Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.4 Focus pos: 0-12
- 6.5 DR: 30-120
- 6.6 FrameCorre: 0-7 level
- 6.7 TSI: General, Muscle, Fat, Fluid
- 6.8 Enhance: 0-4 level
- 6.9 Gray map: 1-18
- 6.10 A. Power: 10-100
- 6.11 Q Beam: On/Off
- 6.12 Expand: On/Off
- 6.13 L/R Flip: On/Off
- 6.14 U/D Flip: On/Off
- 6.15 THI Gain: 0-100
- 6.16 THI FrameCorre: 0-7level

M Mode

- 6.17 M Gain: 0-100
- 6.18 M Speed: 1-3
- 6.19 M DR: 30-120
- 6.20 M Gray: 1-18 level
- 6.21 Depth: 1.5-15.2
- 6.22 Gain: 0-100
- 6.23 Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.24 Focus pos: 0-12
- 6.25 DR: 30-120
- 6.26 FrameCorre: 0-7 level
- 6.27 TSI: General, Muscle, Fat, Fluid
- 6.28 Enhance: 0-4 level
- 6.29 Gray map: 1-18
- 6.30 A. Power: 10-100
- 6.31 Q Beam: On/Off
- 6.32 Expand: On/Off
- 6.33 L/R Flip: On/Off

- 6.34 U/D Flip: On/Off
- 6.35 THI Gain: 0-100
- 6.36 THI FrameCorre: 0-7level
- C Mode
- 6.37 C Scale: 5.0-39.5
- 6.38 C Gain: 0-100
- 6.39 C Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.40 C Steer: -6 - +6
- 6.41 C WF: 0-7
- 6.42 C Priority: 0-100
- 6.43 C Persistence: 0-4
- 6.44 C Color Map: V0-V5
- 6.45 Depth: 1.5-15.2
- 6.46 Gain: 0-100
- 6.47 Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.48 Focus pos: 0-12
- 6.49 DR: 30-120
- 6.50 Frame Corre: 0-7
- 6.51 TSI: General/ Muscle/ Fat/ Fluid/
- 6.52 Enhance: 0-4
- 6.53 Gray Map: 1-18
- 6.54 A. Power: 10-100
- 6.55 Q Beam: On/ Off
- 6.56 Expand: On/Off
- 6.57 L/R Flip: On/Off
- 6.58 U/D Flip: On/Off

P Mode

- 6.59 P Scale: 5.0-39.5
- 6.60 P Gain: 0-100
- 6.61 P Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.62 P Steer: -6 - +6
- 6.63 P WF: 0-7
- 6.64 P Priority: 0-100
- 6.65 P Persistence: 0-4
- 6.66 P Color Map: P0-P3
- 6.67 Depth: 1.5-15.2
- 6.68 Gain: 0-100
- 6.69 Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.70 Focus pos: 0-12
- 6.71 DR: 30-120
- 6.72 Frame Corre: 0-7
- 6.73 TSI: General/ Muscle/ Fat/ Fluid/
- 6.74 Enhance: 0-4
- 6.75 Gray Map: 1-18
- 6.76 A. Power: 10-100

- 6.77 Q Beam: On/ Off
- 6.78 Expand: On/Off
- 6.79 L/R Flip: On/Off
- 6.80 U/D Flip: On/Off

PW Mode

- 6.81 PW Scale: 5.0-102.7
- 6.82 PW Gain: 0-100
- 6.83 PW Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.84 PW Steer: -6 - +6
- 6.85 PW SV Size: 0.5-20.0
- 6.86 PW Base Line: -4 - +4
- 6.87 PW Speed: 1-3
- 6.88 PW WF: 0-6
- 6.89 PW Angle: -80 - +80
- 6.90 PW Invert: On/Off
- 6.91 PW Volume: 0-100
- 6.92 PW DR: 24-72
- 6.93 PW A. Power: 10-100
- 6.94 PW Auto Calc Param: PS/ED/MD/TAMAX/PPG/MPG/HR/VTI/RI/DT/AT/SD/PI/DS
- 6.95 C Scale: 5.0-39.5
- 6.96 C Gain: 0-100
- 6.97 C Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.98 C Steer: -6 - +6
- 6.99 C WF: 0-7
- 6.100 C Priority: 0-100
- 6.101 C Persistence: 0-4
- 6.102 C Color Map: V0-V5
- 6.103 Depth: 1.5-15.2
- 6.104 Gain: 0-100
- 6.105 Frame Corre: 0-7
- 6.106 Freq: Rectal linear probe 6.0-11.0MHz/Rectal convex probe 2.0-5.0MHz
- 6.107 Focus pos: 0-12
- 6.108 DR: 30-120
- 6.109 Enhance: 0-4
- 6.110 TSI: General/ Muscle/ Fat/ Fluid/
- 6.111 Gray Map: 1-18
- 6.112 A. Power: 10-100
- 6.113 Q Beam: On/ Off
- 6.114 Expand: On/Off
- 6.115 L/R Flip: On/Off
- 6.116 U/D Flip: On/Off

7 Probe Specification

- 7.1 Probe Type: Rectal linear probe /Rectal convex probe
- 7.2 probe frequency: wide frequency conversion probe, two-dimensional, harmonic

7.3 Rectal linear probe: 6.0-11.0MHz

7.4 Rectal convex probe: 2.0-5.0MHz

8 Product configuration

8.1 Standard configuration:

Wireless ultrasound system with rectal linear probe/ Wireless ultrasound system with rectal convex probe

Belt

APP software

Built-in rechargeable battery

USB line

Adaptor

User manual

Carrying case

8.2 Optional accessories:

8-inch tablet with USB line, adapter, protect cover sunshade and should straps

Goggles with USB line, adapter, controller, power bank and waist bag for power bank

Wireless charger

Car charger

Carrying bag

Introducer for rectal linear probe

Introducer for rectal convex probe

Type-C converter

9 Technical support, Repairing, Training and Others

9.1 In main city, local spare parts warehouse and local engineer supporting installment, commissioning and maintenance.

9.2 Professional on-site operation and training

10 Other business terms:

10.1 The manufacturer of the product with the international environmental certification