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 spear 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