L6-VET(V3.0S)Veterinary Ultrasound Scanner

Technical Specification

1.Product Name：Veterinary Ultrasound Scanner
1.Structure Style：Notebook
2.Application： 2.1 Applicable for animals’ ultrasonic examinations in animal hospital,zoo,breeding base and scientific research institution
3.Technical Specifications and Summary：
3.1 Ultrasound Scanner Operation System：Windows8 3.2 Spectral Pulse Doppler 3.3 Directional Energy Doppler 3.4 Real-time Triplex 3.5 Spatial Compound Imaging 3.6 Tissue Harmonic Imaging 3.7 2B/4B Imaging Mode 3.8 System language: Chinese, English, French, Russian and Spanish 3.9 Monitor: ≥ 15 inches 3.10 Integrated clipboard: display the saved images at the bottom of the screen, can be directly saved or deleted 3.11 System upgrade function 3.12 Preset conditions: for different inspections, preset inspection conditions to optimize the image, reduce the operation of the adjustment, commonly required external adjustment and combination adjustment 3.13 Support real-time three-dimensional imaging function 3.14 Probe connector ≥ 1 3.15 Trapezoidal imaging function 3.16 One key intelligent optimization function
4.Probes ：

Convex Probe: Frequency 2.5MHz/3.0MHz/3.5MHz/4.0MHz/H4.0MHz/H5.0MHz (depth 30-255MM)

Linear Probe: Frequency 6.0MHz/7.5MHz/8.5MHz/10.0MHz/H10.0MHz,(depth 20-128MM)

Cardiac probe:Frequency 2.5MHz/3.0MHz/3.5MHz/4.0MHz/H3.0MHz/H4.0MHz(depth 100-244MM)

4D Volume Probe: Frequency 2.0MHz/3.0MHz/4.5MHz/6.0MHz/H5.0MHz(depth 30-237MM)

Micro-convex (R15) : Frequency 4.0MHz/6.0MHz/7.0MHz/8.0MHz/H8.0Mhz(depth 30-111MM)

Micro-convex (R11) : Frequency 4.5MHz/6.0MHz/7.0MHz/9.0MHz/H8.0Mhz(depth 30-111MM)

Micro-convex (R20) : Frequency 4.5MHz/6.0MHz/7.0MHz/9.0MHz/H8.0Mhz (depth 30-111MM)

5. B mode:

5.1 Gain: 0-100, step 1 visible adjustable

5.2 TGC: 8 Segment Adjustable

5.33 Dynamic Range: 20-280dB 20 level visual adjustable

5.4 Pseudo color: 0-11 level, visual adjustable

5.5 Sound power: 5%—100%, Step 5%, visual adjustable

5.6 Body mark≥18 6 kinds

5.7 Focal Spot: 6 Focus, can be moved during the whole process

5.8 Grey Scale: 0-7 level, visual adjustable

5.9 Filtering: 0-4

5.10 Scan Range: 50%-100%

5.11 Frame: 0-4 level, visual adjustable

5.12 The screen has 14 forms of real time display of voice power, probe frequency, dynamic range, pseudo color, grayscale and so on

5.13: Line density: high, medium, and low

5.14 Noise Reduction: 0-14

6.Color Doppler Mode:

6.1 Color frame correlation: 0-12 level , visual adjustable

6.2 Color Map: 0-7 level , visual adjustable

6.3 Color Clip: Adjustable

6.4 B/C split screen synchronous display function: Yes

6.5 Color Baseline: 11 level, visual adjustable

6.6 Color line density: adjustable

6.7 Wall Filter: 0-5 level Adjustable

7 Spectrum Doppler mode:

7.1 Sample volume angle correction: -80° to 80° adjustable

7.2 Sample volume: 0.5mm-20mm visual adjustable

7.3 Frequency: 2.5MHz and 3.0Mhz visual adjustable

7.4 Baseline: 11 level adjustable

7.5 Pseudo Color Map: 0-5

7.6 Display layout: ≥4 visual adjustable

7.7 Speed Scale: 32.8-328cm/s(different probes have different ranges)

7.8 Spectrum envelope function: real time automatic spectrum envelope, manual spectrum envelope, and so on. System automatic analysis and display: PSV, EDV, RI, PI, S/D, ACC, HR and other kinds of data

7.9 Grey Scale : 0-7

7.10 Wall filtering: 0-8

7.11 Dynamic Range: 10-95db step 5

7.12 Noise Reduction: 0-28

7.13 Volume: 0-100

8 3D imaging mode (optional)

8.1 Fast angle: support 0° , 90° , 180° , 270° rotation of the 3D window image.

8.2 Display layout: support "double", "quad" and "single" image display.

8.3 Reconstruction modes: RealSkin, surface, Max, Min, XRax.

8.4 Pseudo-color display: support 0-7 level adjustment.

8.5 Image magnification: support for 5 levels.

8.6 Contrast ratio: 0%-100%; 8.7 Threshold: 0%-100% 8.8 Smoothing: ≥ 3 adjustable gears 8.9 X-axis, Y-axis, Z-axis rotation support adjustable 8.10 Brightness：0%-100%;
9 4D imaging mode (optional)
9.1 Fast Angle: support for 3D window image 0 °, 90 °, 180 °, 270 ° rotation; 9.2Display layout: support "double", "four", "single" image display. 9.3 Reconstruction modes: RealSkin, surface, Max, Min, XRax. 9.4 Pseudo-color display: support 0-7 level adjustment 9.5 Image magnification: support for 5 levels. 9.6 Contrast ratio: 0%-100%; 9.7 Threshold: 0%-100% 9.8 Smoothing: ≥ 3 adjustable gears 9.9 Pseudo-color: ≥ 7 adjustable; 9.10 X-axis, Y-axis, Z-axis rotation support adjustable. 9.11 linear density: support for two levels of adjustment.
10 Measurement and analysis functions：
10.1 measurement items including distance, area, angle, time, slope, heart rate, speed, acceleration, blood flow trajectory, blood flow spectrum tracing, resistance index / beat index and other professional measurement 10.2 Obstetric measurement packages for dogs, cats, horses, cattle and sheep. 10.3 Measurement line color, line type can be adjusted at will (including activation color and completion color) 10.4 Measurement results display position and font size can be adjusted as needed
11 Graphic management system: picture saving format: BMP DCM JPG
11.1 Host built-in ≥128G solid-state drive start fast and stable 11.2 Cine-loop：≥≥ 600 frames 11.3 Built-in Chinese file information management system: can record the number, name,

inspection number, inspection date, etc., and can be managed by number, inspection number, name, etc. 11.4 Report types ≥ 6 kinds. Picture proof provided 11.5 One-click fast report graphic management
12 Ports： 5 个 USB ports、1 Audio、1 HDMI、2 RJ-45。
13 Configuration: (After-sale service is for domestic users) 13.1 Color Doppler ultrasound diagnostic system main unit 1 set 13.2 Probes: micro-convex R11 (standard), convex array probe (optional), linear array probe (optional), micro-convex R15 probe (optional), heart probe (optional), cavity probe (optional), volume probe (optional), etc. 13.3 Video printer (optional), ultrasound medical cart (optional) 13.4 The whole machine warranty ≥ 2 years 13.5 Lifetime maintenance after the warranty period, the workstation software involved in lifelong free upgrade maintenance 13.6 Regular free maintenance tour to the user 13.7 Reported 24 hours to solve the problem, such as 24 hours can not be solved, to provide a backup machine