DAWEI MEDICAL (JIANGSU) CORP., LTD.

DAWEI P3-VET Veterinary Color Doppler Ultrasound Diagnostic Scanner

1.Product Name: Full Digital Color Doppler Veterinary Ultrasound Scanner
1.1 Structure Style: Portable
2.2. Application： 2.1 It's applicable for animals' examination and diagnosis on digestive system, reproductive system, urinary system for animal hospitals and scientific institutions.
3. System technical specifications and summary:
3.1O Operating System: Windows 10 3.2　Pulsed Wave Doppler Imaging (PW) 3.3　Directional Power Doppler Imaging (DPDI) 3.4　Real-time Triplex 3.5　Spatial Compound Imaging 3.6　Tissue Harmonic Imaging (THI) 3.7　2B/4B Imaging Modes 3.8　Support Language: Chinese, English, French, Russian, Spanish 3.9　Monitor Size: ≥15 inch 3.10　All-in-one clipboard: saved images display on the bottom of the screen, which can be directly transferred or deleted. 3.11　The system has the function of on-the-spot upgrade. 3.12　Presettable Conditions: Preset optimal image inspection conditions to reduce adjustment during operation. 3.13　Probe interface: 2 3.14 Trapezoidal Imaging 3.15 One Key Smart Optimization
4. Probe:
4.1　Convex probe (detecting depth: 30-255mm)

Fundamental Frequency: 2.0MHz/2.5MHz/3.0MHz//3.5MHz/4.0MHz/5.5MHz

Harmonic Frequency: H4.0MHz/H5.0MHz

4.2 Linear probe (detecting depth: 20-128mm)

Fundamental Frequency: 6.0MHz/7.5MHz/8.5MHz/10.0MHz/12.0MHz

Harmonic Frequency: H10.0MHz

4.3 Micro-convex probe R11 (detecting depth: 30-111mm)

Fundamental Frequency: 4.5MHz/5.0MHz/6.0MHz/6.5MHz/7.0MHz/9.0MHz

Harmonic Frequency: H8.0MHz

4.4 Rectal probe (detecting depth: 20-111mm)

Fundamental Frequency: 4.0MHz/6.5MHz/9.0MHz

Harmonic Frequency: H8.0MHz

5. 2D Imaging Mode

5.1 Gain: 0-100, Step 1 adjustable

5.2 TGC: 8 segment adjustable

5.3 Dynamic: 20-280, 20 levels adjustable

5.4 Pseudo color: 0-11, adjustable

5.5 Sound power: 5%－100%, step 5% adjustable

5.6 Body mark: ≥18 kinds optional

5.7 Maximum focus: ≥6, which can be moved throughout the whole process

5.8 Grey scale map: 0-7, 7 levels adjustable

5.9 Filter: 0-4

5.10 Scanning range: 50%-100%

5.11 Frame correlation: 0-4, 4 level adjustable

5.12 The screen has real-time display of sound power, probe frequency, dynamic range, pseudo color, gray

scale and other 14 parameters can be adjusted.

5.13 Line density: low, middle, high, 3 levels adjustable

5.14 Noise reduction: 0-14

6. Color Doppler Imaging Mode

6.1 Color Frame correlation: 0-12, 12 levels adjustable

6.2 Color map: 0-7, 7 levels adjustable

6.3 Color flip: adjustable

6.4 B / C real-time split screen mode

6.5 Base line: 11 levels, adjustable

6.6 Line density: low, high, 2 levels adjustable

6.7 Filter: 0-5 levels adjustable

7. Spectral Doppler Imaging Mode

7.1 Sampling volume angle correction: -80°～80°adjustable

7.2 Sample volume: 0.5mm-20mm adjustable

7.3 Frequency: 2.5MHz, 3.0MHz

7.4 Base line: 9 levels, adjustable

7.5 Pseudo color: 0-5

7.6 Parameter display: ≥4 kinds, adjustable

7.7 Speed scale: 7.2-231cm/s (different probes have different ranges)

7.8 Spectrum envelope function: real time automatic spectrum envelope, manual spectrum envelope, and

other. The system automatically analyses and displays various data such as PS, ED, RI, PI, S/D, HR, etc.

7.9 Grey map: 0-7

7.10 Filter: 0-8

7.11 Dynamic range: 10-95db, step 5

7.12 Noise reduction: 0-28

7.13 Sound volume: 0-100

8. Measurement and Analysis

8.1 General measurement: distance, area, angle, time, slope, heart rate, speed, acceleration, blood flow path,

blood flow spectrum trace, resistance index/pulsation index, etc

8.2 Professional OBC data package for different animals, such as Cannine, Feline, Equine, Bovine, Ovine

8.3 Measurement line: color and type can be adjusted at will (including the activation color and the completion color)

8.4 Measurement result: display position and font size can be adjusted as needed

8.5 Professional data package: Abdomen, OBC, Urology, etc

9. Graphic and Text Management System

9.1 Host build in 128G hard disk, start fast and stable

9.2 Movie playback: ≥600 frames

9.3 Internal file information management system: can record patient number, name, check number, check date and so on, and can be searched and managed by number, check number, name and so on.

9.4 Report type: ≥6, picture proof provided

9.5 One key fast report graphic and text management

9.6 Image format: BMP, DCM, JPG

9.7 With DICOM3.0 protocol, can be connected to PACS system

10. Interface

4*USB; 1*Audio; 2*RJ-45; 1*HDMI; 1*DP

11. Configuration

11.1 Full Digital Veterinary Color Doppler Ultrasound Diagnostic System

11.2 Probe (optional) : R11 micro-convex probe, Convex probe, Linear probe, Rectal probe

11.3 Video printer (optional), Trolley (optional)

11.4 Two Years Warranty for Main Unit and Probe against all manufacturing defects

11.5 Lifelong maintenance after warranty, lifelong free for software update