

DW-P5 Full Digital Color Doppler Veterinary

Ultrasound Diagnostic Scanner

Technical Parameters

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: Windows8 3.2 Spectrum Pulse Doppler (PW) 3.3 directional energy Doppler 3.4 Real time Triplex 3.5 Spatial composite imaging technology 3.6 Tissue Doppler Imaging 3.7 2B/4B Imaging display Mode 3.8 Support Language: Chinese, French, Russian, Spanish 3.9 Monitor Size: ≥15 inch, liquid crystal display 3.10 Display 0-30°Adjustable angle 3.11 Intergrated Clipboard: Saved image saved at bottom of display, can be deleted or saved directly. 3.12 System can be updated on site 3.13 Presetable Conditions: Preset optimal image inspection conditions to reduce adjustment during operation. 3.14 Support real-time 3D imaging function (can provide picture proof) 3.15 Probe Connectors ≥ 2 3.16 Trapezoidal imaging function

4.Probe:

Convex Probe: 2.5MHz/3.0MHz/3.5MHz/4.0MHz/H4.0MHz/H5.0MHz, (Depth 20-317MM)

Linear Probe: 6.0MHz/7.5MHz/8.5MHz/10.0MHz/H10.0MHz, (Depth 20-110MM)

Phased Array Probe: 2.5MHz/3.0MHz/3.5MHz/4.0MHz/H3.0MHz/H4.0MHz, (Depth 30-371MM)

4D probe: 2.0MHz/3.0MHz/4.5MHz/6.0MHz/H5.0MHz (Depth 30-237MM)

Micro-convex Probe (R15) : 4.0MHz/6.0MHz/7.0MHz/8.0MHz/H8.0MHz, (Depth 30-111MM)

Probes above all have harmonic frequency function

5.Two-dimensional imaging mode:

*5.1 Gain: 0—100, adjustable

5.2 TGC: 8 segments

*5.3 Dynamic Range: 20-280dB 20 level

5.4 Pseudo-color: ≥ 12 levels, adjustable

*5.5 Ultrasonic Power: 5%—100%, adjustable

5.6 Body Mark ≥ 6 kinds

5.7 Focus : ≥ 4 segments

5.8 Grey Scale: 0-7

*5.9 Filtering: ≥ 5 kinds

5.10 Scanned Area: 50%-100%

5.11 Frame correlation: 0-4 level

5.13: Scanning line density: High, Medium, Low

6.Color imaging mode:

6.1 Colour Deflection

*6.2 Color frame correlation ≥ 12 Levels

6.3 Color atlas: ≥ 8 level

6.4 Color flip: Adjustable

6.5 B/C Split screen synchronous display function

6.6 Color Baseline: ≥ 11 level

6.7 Color line density: Adjustable

7 Spectral Doppler model:

7.1 sample volume Angle adjust: $-80^{\circ} \sim 80^{\circ}$

*7.2 Sample Volume: 0.5mm-20mm adjustable

7.3 Frequency: ≥ 5 kinds, adjustable

7.4 Baseline: ≥ 8 level adjustable

7.5 Smooth: ≥ 8

7.6 Display layout: ≥ 4 kinds

7.7 Pseudo-color: ≥ 6 kinds

*7.8 Speed Scale: 3-2288cm/s

7.9 Spectrum envelopment function: real-time automatic spectrum envelopment, manual spectrum envelopment and other modes can be selected, and the system can automatically analyze and display: PSV、EDV、RI、PI、S/D、ACC、HR

8 Measurement and analysis function

8.1 Generally measured distance, area, Angle, time, slope, heart rate, speed, acceleration, transparent layer of neck, spectrum tracing, resistance index/pulse index, etc

8.2 Obstetric measurement: weight measurement formula ≥ 13 Kinds

*8.3 Measurement line color and line type can be adjusted freely (including active color and finished color)

*8.4 The display position and font size of the measurement results can be adjusted according to the need.

8.5 Professional Software package

9 Graphic management system: picture storage format: BMP DICOM JPEG DEFAUIT

*9.1 Host built-in ≥ 128 G solid-state hard disk startup fast and stable

*9.2 Cine Loop: ≥ 600 frames

9.3 Report type≥17

9.4 One key fast report text management

10 Ports:

USB ports: ≥2 , Audio □: 1 , LAN port: 2, HDMI port: 1.

11 configuration:

11.1 **Full Digital Color Doppler Veterinary Ultrasound Scanner, mainframe** 1 unit

11.2 Probe: Convex probe、Micro-convex、4D

11.3 Video printer (optional), ultrasonic medical cart (optional).

11.4 Machine Warranty

11.5 Lifetime maintenance after the expiration of the warranty, free workstation software upgrade and maintainance