Magellan Medical Systems, Inc.
1552 S. Anaheim Blvd, Suite D, Anaheim, CA 92805
Tel: 949-878-1690
Email: support@magellanmedsys.com

Wireless Color Doppler Ultrasound Scanner

Mino VET

MAGELLAN Medical Systems
Portable Diagnostic Solutions

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Key Features

System Configurations	**Applications** • Medical: ABD, Renal, GYN, OB, Urology, Prostate, Vascular, Carotid, Venous, SMP (small parts), Thyroid, Breast, Testicle, MSK (Musculoskeletal), EM (Emergency), Anesthesia surgery, PICC • Animal: Equine, Bovine, Feline, Canine, Swine, Goat, Llama, Ovine **Imaging Modes** • B Mode • CDFI (Color Doppler Flow Imaging) • PW (Pulse Wave Doppler) **Excellent Imaging Features** • Harmonic Imaging (THI) • Spatial compounding imaging • Speckle reduction imaging	**System Configurations** • Operating System (OS): Windows, iSO, Android • Platform: smartphones, tablet, laptop & desktop • Wireless Transmission: WiFi • Power Input: DC5V/2A • Battery capacity: 4500mAh 16.65Wh • Working life ⩾10 hours **Dimensions and Weight** • In mm: 23 (H) × 70 (W) × 180 (L) • Weight: 260 g **Waterproof** • WPX7 waterproof
Transducer	**C60 Convex array probe** • Application: ABD,Renal, GYN,OB, Urology, Prostate • Frequency Bandwidth: 2.0-5.0 MHz • Center frequency: 3.5MHz • Field of View: 60 degree • Depth: 276mm • Radius: 60mm • Biopsy guide available	**L40 Linear array probe** • Application: Vascular, Carotid, PArterial, SMP, Thyroid, Breast, Testicle, MSK, EM • Frequency Bandwidth: 5-10 MHz • Center frequency: 7.5MHz • Field of View: 40mm • Depth: 276mm • B Mode Steer: ±5° • Biopsy guide available

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Specifications

1. System Configurations

1.1. Boot time: 1 second
1.2. Display terminals: Smartphones, Pad, Laptops, desktop computers.
1.3. Wireless Transmission: WiFi
1.4. WiFi effective distance: 10 m
1.5. System platform: Windows, Android
1.6. Harmonic Imaging (THI)
1.7. Speckle reduction imaging
1.8. Spatial compounding imaging
1.9. Steering image (B and color modes)

2. Ergonomic Design

2.1. Depth adjustment button
2.2. Freeze button
2.3. Imaging mode display
2.4. Battery capacity display

3. Storage

3.1. Images storage format: PNG and AVI
3.2. DICOM storage

4. Cineloop

4.1. Support B, Spectral Doppler, Color,
4.2. Capacity: According to the actual connected device

5. Image Features

5.1. B-Mode
5.1.1. Up to one frequency in Tissue harmonic imaging (probe dependent)
5.1.2. Digital Gain: 0-3 dB
5.1.3. Gain: 0-255 dB
5.1.4. TGC
5.1.5. Power: 0-3 types
5.1.6. Focus Number: 1
5.1.7. Focus Depth：14 levels (depth and probe dependent)
5.1.8. Image depth up to 276 mm
5.1.9. Steer: ±5° (linear probe)
5.1.10. Harmonic imaging technique is available for all probes
5.2. Color Doppler Mode
5.2.1. Frequency: 3 levels
5.2.2. Gain: 0~255, 1 steps
5.2.3. Wall filter: 0~31， 1% step

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5.2.4. Persist: 9 levels
5.2.5. Steer: ±5° (linear probe)
5.2.6. PRF range: 0~15, 1 steps
5.3. Pulse Wave Doppler Mode (PW)
5.3.1. Gain: 0~255, 1 steps
5.3.2. Position: 0~400, 1 steps
5.3.3. ScanLine: 0~80, 1 steps
5.3.4. PRF range: 0~15, 1 steps
5.3.5. Gate size: 6 levels (1-6 mm)
5.3.6. Baseline: 6 levels

6. Configuration

6.1. Peripheral Signals
6.1.1. Micro-USB: 1 port
6.2. Power Requirements
6.2.1. Power Input: DC5V/2A
6.2.2. Battery capacity: 4500mAh 16.65Wh
6.2.3. Working life ⩾10 hours
6.2.4. Power consumption: ⩽5 VA
6.3. Dimensions and Weight
6.3.1. Height: 23 mm
6.3.2. Width: 70 mm
6.3.3. Length: 180 mm
6.3.4. Weight: 260 g (approx.)
6.4. Operating conditions
6.4.1. Ambient temperature: 5°C to 40°C
6.4.2. Relative humidity: 20% to 85% (no condensation)
6.4.3. Atmospheric pressure: 700 hPa to 1060 hPa
6.4.4. Waterproof level: IPX7
6.5. Storage and transportation conditions
6.5.1. Ambient temperature: 0°C to 45°C
6.5.2 Relative humidity: 30% to 95% (no condensation)
6.5.3 Atmospheric pressure: 700 hPa to 1060 hPa