

P3V

Veterinary
Digital
Ultrasonic
Diagnostic
Imaging
System



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This portable device, Digital Ultrasonic Diagnostic Imaging System, is high-resolution linear/convex scanning diagnostic apparatus.

Features

Applied technologies:

Tissue Specific Imaging (TSI), Tissue Harmonic Image (THI), Digital Beam-Forming (DBF), Dynamic Receiving Focusing (DRF), Real-time Dynamic Aperture (RDA), Dynamic Frequency Scanning (DFS), and Dynamic Apodization.

Display modes:

B, B+B, 4B, B+M, M, and PW.

File management:

It supports local disk and removable disk storage. USB 2.0 interface enables fast image uploading to your computer in the real-time mode. It has a 56 MB storage capacity.

Operation:

The folding keyboard designed with trackball is easy and convenient for various types of operation.

In addition, 12.1" LCD and diverse probes are adopted to provide clear and stable images.



Technical Specifications

General:

Imaging mode:	B, 2B, 4B, B+M, M, and PW
Gray scales:	256
Display:	12.1" TFT-LCD
Transducer frequency:	2.0-10.0MHZ
Transducer connector:	2 standard
Beam-forming:	Phase Inversion Harmonic Imaging Multi-Beam Technology Synthetic Receiving Aperture Dynamic Receiving Focusing Real-time Dynamic Aperture Dynamic Frequency Scanning Dynamic Apodization
Scanning angle:	Up to 152 degrees (transducer dependent)
Scanning depth (mm):	From 19 to 324 (transducer dependent)

Functions:

Cine loop:	256 frames bidirectional cine-loop
Zoom:	x1.0, x1.2, x1.4, x1.6, x2.0, x2.4, x3.0, x4.0 in distance
Panoramic zoom in real-time and freeze	
Storage media:	Built-in Flash, internal large capacity data storage
Built-in image archive:	504MB built-in image storage
Body marks:	40 types
Transducer auto-detection	

Others:

Peripheral ports:	S-video output: 1 Video output: 1 VGA output: 1 USB port: 2 Ethernet port: 1 Remote control: 1 Footswitch port: 1
Power supply:	100V-240V ~ 50Hz / 60Hz
Lithium battery:	Continuous operation for up to 2 hours
Dimensions:	330mm(13.0")(L) 220mm(8.7")(W) 320mm(12.6")(H)
Net weight:	7.1kg(15.7 lb)

Imaging Processing:

Pre-processing:	Dynamic Range Frame Persist Gain 8-segment TGC adjustment IP (Imaging Process)
Post-processing:	Gray map Speckle Reduction Technology Pseudo-color Gray Auto Control Black / white invert Left / right invert Up / down invert Image rotation at 90° interval

Measurement & Calculation:

B-mode:	Distance, circumference, area, volume, ratio %stenosis, histogram, and angle
M-mode:	Distance, time, slope, and heart rate
Doppler:	Time, heart rate, velocity, acceleration, trace, and RI
Software packages:	Canine, feline, equine, bovine, ovine
Display:	Date, Time, Probe Frequency, Frame Rate, Host, ID, Hospital Name, Depth, Frame Rate, Exam Type, Measurement Values, Gain, IP, Body Marks, Annotations, Probe Position

Standard Configurations:

VET main unit
12.1" TFT-LCD monitor
Two transducer connectors
Pulsed wave Doppler
Multiple-pseudo-color Imaging
256 frames cine loop memory
504MB built-in image storage
Two USB ports
Measurement & calculation software packages
Micro-convex array transducer:
C611-2(5.5/6.5/7.5/H4.5/H4.7MHz)

Transducers

Micro-convex array:
C611-2



Convex array:
C361-2



Linear array:
L761-2



Linear array:
L743-2



Endorectal:
V563-2



Screen Samples



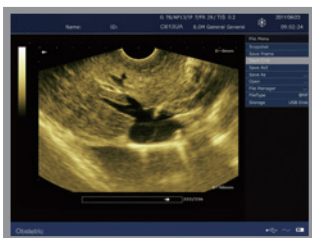
Dog heart



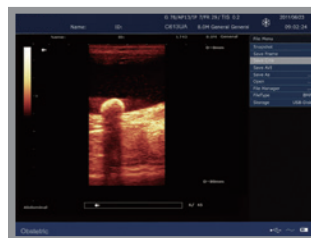
Dog bladder



Dog pregnant



Dog liver



Dog bladder stone



Dog pregnant, triple



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