

# P3V

Veterinary  
Digital  
Ultrasonic  
Diagnostic  
Imaging  
System



# P3V



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:

DUS 60 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



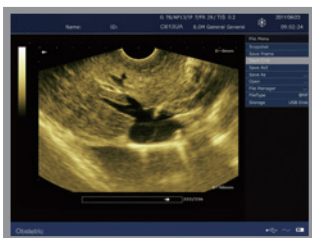
Dog heart



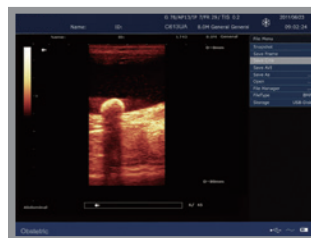
Dog bladder



Dog pregnant



Dog liver



Dog bladder stone



Dog pregnant, triple



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