



Portable Ultrasound Scanner CU30VET

Key Features

Standard Configurations	<ul style="list-style-type: none"> • Applications: <ul style="list-style-type: none"> - Equine, bovine, ovine, canine, feline and other organ sites diagnosis • Windows XP system • Digital beamformer • Real-time point by point dynamic receive focusing technique • Dynamic Frequency Scanning technology 	<ul style="list-style-type: none"> • Real-time dynamic beam anodization • Real-time dynamic aperture imaging THI Tissue Harmonic Imaging Technology Optimization • 2D gray scale imaging • 3D reconstruction imaging • Display: 12.1 inches high-resolution LCD monitor • Multi-language system: Chinese, English, Spanish
Transducer	<ul style="list-style-type: none"> • Transducer Connector : One transducer port • Scanning Mode: Convex, Micro-convex, Linear, Endocavity • Rectal Linear Transducer: 75E40N (5/6.5/7.5/10MHz) • Convex Array Transducer: 35C60NB (2.0/3.0/3.5/4.0/5.0MHz, 70 degrees) • Micro-convex Array Transducer: 32C20NA (3.5/5.0/6.5/7.5MHz, 110 degrees) • Endocavity Array Transducer: 65C10NB (5/6.5/7.5 /10MHz, 150 degrees) • Linear Array Transducer: 75L40NA (5/6.5/7.5/10MHz) 	

Specifications

The Main Unit

Display Mode	B, 2B, 4B, B/M, M
B Mode Imaging Parameters:	
Gray scale	256
Gain adjustment	255dB
TGC adjustment	8 adjustable segments
Dynamic range	150dB
Focus	4
Maximum displayed depth	310mm
2D frame rate	100 frames / sec.
Cine loop	1024 frame
Body Mark	140 kinds
Zoom	6 times and 16 step adjustable
Image Width	16-speed adjustable
Biopsy guide	2 lines 2, angle adjustable
Probe transmit power	25% to 100%
M-mode Imaging Parameters:	
Gain adjustment	0 ~ 100dB, adjustable visualization
M mode scanning rate	5 adjustable
M type grayscale	17 adjustable

Clinical Measurement and analysis

B-mode Measurement	distance, perimeter, area, volume, angle, histogram, ratio, stenosis rate
M-mode measurement	heart rate, time, distance, slope
Reports:	
General measurement and report	
Equine measurement and report	
Bovine measurement and report	
Ovine measurement and report	
Canine measurement and report	
Feline Measurement and report	

Data Management

Built-in image management system	
Storage	USB, hard disk
Hard disk capacity	hard disk capacity of 10G
Static image formats	PNG, BMP, JPEG, TIFF

Physical Characteristics

Dimension and Weight:

Volume	450×440×36mm
Gross Weight	10 Kg
Net Weight	5.5 Kg

External Interface:

USB Interface	2
Video	1
VGA	1
HDMI Interface	1
DICOM	3.0 standard port (optional)
Keyboard	silica gel, projections
Power range	AC100 V ~ 240 V, 50 Hz/60 Hz ± 5%
Video printers, graphic printer (optional)	

Working Environment:

Ambient temperature	5 °C ~ 40 °C
Humidity	35% to 85% (non-condensing)
Atmospheric pressure	700 hPa to 1060 hPa

Storage and Transportation

Ambient temperature	-20 °C ~ 55 °C
Humidity	30% to 85% (non-condensing)
Atmospheric pressure	700 hPa to 1060 hPa