DP-3300Vet

Digital Ultrasonic Diagnostic Imaging System

Technical specifications

General Descriptions

Imaging mode:	B, B+B, B+M, M
Gray scale:	256
Display:	10"non-interlaced
Transducer frequency:	2.5 ~ 10MHz
Transducer connector:	1 (standard), 2 (optional)
Beam-forming:	Digital Beam-forming (DBF)
	Dynamic Receiving Focusing (DRF)
	up to 16 zone transmitting focusing
	Dynamic Frequency Scan (DFS)
	Real-time Dynamic Aperture (RDA)
	Dynamic Receiving Apodization (DRA)
Scanning angle:	from 67 to 92 degree (depending on transducers)
Scanning depth (mm):	from 21.6 to 248 (depending on transducers)

Imaging Processing

Pre-processing:	dynamic range
	edge enhancement
	frame correlation
	smooth
	4-segment TGC adjustment
	IP (Image Process)
	acoustic power adjustment
	scanning angle selection
	high resolution/high frame rate select
Post-processing:	gray map
	left-right reverse
	up-down reverse

Functions

Cine loop:	128-frame cine loop memory
Zoom:	panoramic zoom in real-time and frozen condition
Built-in image archive:	permanent storage up to 90 images

Measurement & Calculation

B-mode:	distance, circumference, area, volume, angle, histogram, profile, S%
M-mode:	distance, time, velocity, heart rate (2 cycles)
Reproductive Software packages:	Dog, Cat, Equine, Bovine and Ovine

Others

Peripheral port:	video output	1
	USB port	2
Power supply:	100~240VAC±10% 50Hz/60Hz	
Dimensions:	270mm(W) X 306mm(L) X 385mm(H)	
Net weight:	10Kg	

Standard configurations:

DP-3300Vet main unit
10"non-interlaced monitor
One transducer connector
128-frame cine loop
90-frame images storage
Two USB ports
Over 200 reproductive reports storage and management
Measurement & calculation software packages
Electronic convex array transducer: 35C50EB (2.5/3.5/5.0MHz)
Or Electronic micro-convex array transducer: 65C15EAV (5.0/6.5/8.0MHz)

Options:

Electronic endorectal transducer: 50L60EAV (4.0/5.0/6.0MHz)
Electronic endorectal transducer: 75L50EAV (5.0/7.5/10.0MHz)
Electronic linear array transducer: 75L38EB (5.0/7.5/10.0MHz)
Electronic linear array transducer: 75L60EA (5.0/7.5/10.0MHz)
Electronic micro-convex array transducer: 35C20EA (2.0/3.5/6.0MHz)
Needle-guided brackets
Two transducer connectors
Footswitch
Mobile trolley
Hand carried bag

Multi-frequency transducers

65C15EAV Micro-Convex
Application: Small Animal

50L60EAV Endorectal
Application: Big Animal

75L50EAV Endorectal
Application: Big Animal

35C50EB Convex
Application: Abdomen, OB, Urology

75L38EB Linear
Application: Small Parts, Musculoskeletal

75L60EA Linear
Application: Orthopedics, Breast, Musculoskeletal

35C20EA Micro-convex
Application: Pediatric, Cardiac

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With advanced digital beam-forming (DBF) technology, DP-3300Vet has realized significant improvement on image quality. Meanwhile, broadband and multi-frequency transducers enable a wider range of clinical applications. Also, 128-frame CINE loop, 90 images storage and the second optional transducer connector provide operators with more options and flexibility. With such powerful features and ergonomic design, DP-3300Vet is the ideal model for users who seek for an economical product.

Reliable Digital Technology

DP-3300Vet

A | dvanced Imaging Technology

Up-to-date digital engine
(Non-tortured echo ensures high definition images)
Dynamic synthetic aperture technique
(Accurate beam focusing ensures clear images from near to far field)

L | eading Transducer Technology

Up to 8.0 MHz electronic micro-convex array transducer
reproductive and general purpose abdominal applications for small animals
Up to 10MHz electronic endorectal transducer
reproductive applications for big animals

65C15EAV (5.0/6.5/8.0MHz)

50L60EAV (4.0/5.0/6.0MHz)

75L50EAV (5.0/7.5/10MHz)
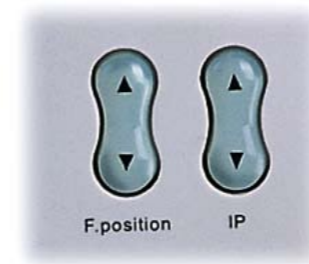
E | xcellent Ergonomic Design

IP (Image Process) function
Simplified boat-shaped key control
Intelligent 4-segment TGC adjustment
Panoramic zoom in real-time and frozen condition

F.position   IP

TGC

C | omplete OB Solutions

Abundant Reproductive Calculation Packages
Dog: GSD, CRL, HD, BD
Cat: HD, BD
Equine: GSD
Bovine: HD, CRL, TD
Ovine: CRL, BPD
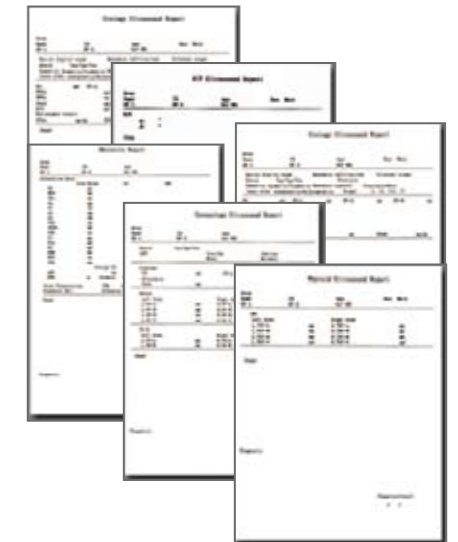
P | owerful Functions

128-frame cine loop
115-frame image storage
Two USB ports
Two transducer connectors (Optional)
Knockdown mobile trolley (Optional)

USB