

DUS 6 VET

Veterinary
Digital Ultrasonic
Diagnostic
Imaging System





DUS 6 VET

Technical Specifications



Convex array:
C363-1



Convex array:
C343-1



Micro-convex array:
C613



Linear array:
L743



Endorectal:
V743



Endorectal:
V563

General

Imaging mode: B,B+B, 4B, B+M,M
 Gray scales: 256
 Display: 10" non-interfaced
 Transducer frequency: 2.0-10.0 MHz
 Transducer connector: 2 standard
 Beam-forming: Digital Beam-forming
 Dynamic Receiving Focusing
 Real-time Dynamic Aperture
 Dynamic Frequency Scanning
 Dynamic Apodization
 Tissue Harmonic Imaging
 Tissue Specific imaging

Scanning angle:
 from 30 to 155 degree (depending on transducers)

Scanning depth (mm):
 from 20 to 250 (depending on transducers)

Imaging Processing:

Pre-processing: Dynamic range
 Edge enhancement
 Frame correlation
 Line correlation
 Smooth
 AGC
 8-segment TGC adjustment
 IP (Image Process)

Post-processing: Gray map
 Gamma correction
 Rejection
 Black / white reverse
 Left / right reverse
 Up / down reverse

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
 Storage media: Built-in Flash, External USB-Memory stick
 Storage: 56 MB permanent image
 Body mark: >130 types
 Transducer auto-detection
 16-segment acoustic power output adjustment

Measurement & Calculation:

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

Others:

Peripheral port: Video output X1
 VGA output port X1
 USB port X2
 DICOM3.0 X1 (optional)
 Power supply: 100V-240V~50Hz/60Hz
 Dimensions: 353mm(W) X 315mm(L) X 253mm(H)
 Net weight: 11.5 kg

Standard Configurations:

DUS 6 VET main unit
 10" non-interfaced monitor
 Two transducer connectors
 256 frames cine loop memory

56MB built-in image storage
 Two USB ports
 Measurement & calculation software packages
 Micro-convex array transducer:
 C613-1 (4.5/5.5/6.5/7.5/8.5 MHz)

Options:

Linear array transducer:
 L743 (6.0/7.0/8.0/9.0/10.0 MHz)
 Endorectal transducer:
 V743 (6.0/7.0/8.0/9.0/10.0 MHz)
 Endovaginal transducer:
 V563 (4.0/5.0/6.0/7.0/8.0 MHz)
 Convex array transducer:
 C363-1 (2.0/3.0/4.0/5.0/6.0 MHz)
 Convex array transducer:
 C343-1 (2.0/3.0/4.0/5.0/6.0 MHz)

Video printer
 Laser printer
 Biopsy guide
 DICOM 3.0
 Footswitch
 Mobile trolley
 Hand carried bag