



DUS 3 VET

Veterinary Digital Ultrasonic Diagnostic Imaging System

DUS 3 VET, EDAN's portable veterinary ultrasonic imaging system, has realized significant improvement on image quality. With a variety of multi-frequency transducers and abundant measurement and calculation software packages specifically designed for dog, cat, equine, bovine and ovine, DUS 3 VET insures optimal images and solid diagnosis confidence for each clinical application at economic price.

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Veterinary Digital Ultrasonic Diagnostic Imaging System

Technical Specifications:

General:

Imaging mode: B, 2B, 4B, B+M, M
Gray scales: 256
Display: 10 inches non-interlaced
Transducer frequency: 2.0 ~ 10MHz
Transducer connector: 1 standard, 2 optional
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 125 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
4-segment TGC adjustment
IP (Image Process)

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

Functions:

Cine loop: 128 frames bidirectional cine loop
Zoom: X1.0, X1.2, X1.4, X 1.6, X 2.0, X 2.4, X3.0, X 4.0 in distance
Storage media: Built-in Flash, External USB-Memory stick
Storage: 56MB permanent image
Body mark: 18 types
Transducer auto-detection
16-segment acoustic power output adjustment

Measurement & Calculation:

B-mode: distance, circumference, area, volume, angle
M-mode: distance, time, velocity, heart rate (2 cycles), slope
Reproductive software packages: dog, cat, equine, bovine and ovine



Trolley

Multi-frequency transducers



Others:

Peripheral port: Video output 1
VGA output port 1
USB port 2
DICOM3.0 1 (optional)
Power supply: 100-240V ~ 50Hz/60Hz
Dimensions: 353mm(W) X 315mm(L) X 253mm(H)
Net weight: 11.5Kg

Standard Configurations:

DUS 3 VET main unit
10" non-interlaced monitor
One transducer connector
128 frames cine loop memory
56MB frames built in image storage
Two USB ports
Measurement & calculation software packages
Micro-convex array transducer: C611 (4.5/5.5/6.5/7.5/8.5MHz)

Options:

Linear array transducer: L741 (6.0/7.0/8.0/9.0/10.0MHz)
Transrectal transducer: V741 (6.0/7.0/8.0/9.0/10.0MHz)
Transrectal transducer: V561 (3.0/4.0/5.0/6.0/7.0MHz)
Convex array transducer: C341 (2.0/3.0/4.0/5.0/6.0MHz)
Convex array transducer: C361 1 (2.0/3.0/4.0/5.0/6.0MHz)

Two Transducer Connectors

Video printer
Laser printer
Biopsy guide
DICOM3.0
Footswitch
Mobile trolley
Hand carried bag



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Features and specifications are subject to change without notice

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