

Veterinary Digital Ultrasonic Diagnostic Imaging System

DUS 60 VET



Technical Specifications:

General:

Imaging mode: B, B+B, 4B, B+M, M, and PW

Gray scales: 256

Display: 12.1" TFT-LCD

Transducer frequency: 2.0 ~ 10MHz

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 19 to 245 (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
 Pseudo-color
 Left-right reverse
 Up-down reverse

Functions:

Cine loop: 256 frames bidirectional cine loop
Zoom: X1.0, X1.2, X 1.4, X 1.6, X 2.0, X 2.4, X 3.0, X 4.0 in distance
panoramic zoom in real-time and frozen condition
Storage media: Built-in Flash, External USB-Memory stick
Built-in image archive: 504MB build-in image storage
Body mark: 18 types
Transducer auto-detection
16-segment acoustic power output adjustment

Measurement & Calculation:

B-mode: distance, circumference, area, volume, ratio, stenosis%, and angle
M-mode: distance, time, slope, and heart rate
D-mode: time, heart rate, velocity, acceleration, trace, and RI
Measurement & Calculation Software packages: dog, cat, equine, bovine and ovine

Display:

Date, Time, Probe Name, Probe Frequency, Frame Rate, Pet Type, Host Name, Pet ID, Hospital Name, Measurement Values, Body Marks, Annotation, Probe Position, Full-image-region edit

Others:

Peripheral port: Video output x1
VGA output port x1
USB port x2
DICOM3.0 x1 (optional)
Power supply: 100-240V ~ 50Hz/60Hz
Lithium battery: Continuous working for 2 hours
Dimensions: 330mm(L) X 320mm(H) X 220mm(W)
Net weight: 7.1Kg

Standard configurations:

DUS 60 VET main unit
12.1" TFT-LCD monitor
Two transducer connectors
256 frames cine loop memory
504MB built-in image storage
Two USB ports
Measurement & calculation software packages
Micro-convex array transducer: C613UA (4.5/5.5/6.5/7.5/8.5MHz)

Options:

Linear array transducer: L743UA (6.0/7.0/8.0/9.0/10.0MHz)
Linear array transducer: L763UA (6.0/7.0/8.0/9.0/10.0MHz)
Micro-convex array transducer: C321UA (2.0/3.0/4.0/5.0/6.0MHz)
Convex array transducer: C363UA (2.0/3.0/4.0/5.0/6.0MHz)
Convex array transducer: C343UA (2.0/3.0/4.0/5.0/6.0MHz)
Endorectal transducer: V743UA (6.0/7.0/8.0/9.0/10.0MHz)
Endorectal transducer: V563UA (3.0/4.0/5.0/6.0/7.0MHz)
Needle-guided brackets for transducer
Video printer
Laser printer
DICOM3.0
Foot switch
Lithium battery
Mobile trolley
Hand carried bag

Note: specifications subject to change with prior notice