



# DUS60

## Veterinary Ultrasound



### Powerful technologies to increase your diagnostic confidence

Phase Inversion Harmonic Imaging technology provides best image quality  
PW Doppler supplies physiologic information for increased diagnostic value  
Five-frequency transducers increases versatility



### Go anywhere you need to go

Compact and lightweight design for excellent mobility  
Built-in battery provides up to 2 hours of point-of-care imaging  
Large capacity data storage



### Intuitive user-friendly design

One touch image optimization via smart IP key  
Backlit, easy-to-use control panel  
User-defined keys to customize your work-flow



### Practical tools enhance efficiency

Intelligent 8-segment TGC for precise adjustment  
Multi-format data transfer via USB and DICOM  
Multiple-pseudo-color options enhance image presentation



Canine Kidney



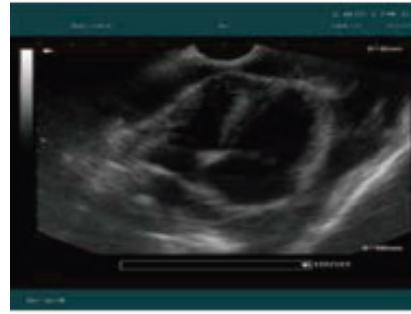
Canine Gall Bladder



Canine Bladder



Canine Renal Stone



Canine Heart

## Diagnostic Imaging

The dus60 is an impressive new compact ultrasound system, providing superb value and quality across the entire range of applications. The addition of PW Doppler increases diagnostic information content.



## Transducer Specifications:



### General:

Imaging mode: B, 2B, 4B, B+M, M, and PW  
 Gray scale levels: 256  
 Display: 12.1 TFT-LCD  
 Transducer frequency: 2.0-10.0MHz  
 Transducer connector: 2 standard Beam  
 Forming:

- Phase Inversion Harmonic Imaging
- Multi-Beam Technology
- Synthetic Receiving Aperture
- Dynamic Receiving Focusing
- Real-time Dynamic Aperture
- Dynamic Frequency Scanning
- Dynamic Apodization

### Scanning angle:

Up to 155 degrees (transducer dependent)

### Scanning depth (mm):

From 19 to 324 (transducer dependent)

### Functions:

#### Cine loop:

256-frame bidirectional cine-loop

#### Zoom:

x1.0, x1.2, x1.4, x1.6, x2.0,  
 x2.4, x3.0, x4.0 in distance

#### Panoramic zoom in real-time and freeze

#### Storage media:

Built-in Flash, internal large capacity data storage

#### Built-in image archive:

504MB built-in image storage

#### Body marks: 40 types

#### Transducer auto-detection

### Display:

Date, Time, Probe Frequency, Frame Rate, Host, ID, Hospital Name, Depth, Frame Rate, Exam Type, Measurement Values, Gain, IP, Body Marks, Annotations, Probe Position

### Others:

#### Peripheral ports:

- S-video output: 1
- Video output: 1
- VGA output: 1
- USB port: 2
- Ethernet port: 1
- Remote control: 1
- Footswitch port: 1

#### Power supply: 100V-240V ~ 50Hz/60Hz

Lithium battery: Continuous operation for up to 2 hours

Dimensions: 330mm (13.0") L x220mm (8.7") W x320mm (12.6") H

Net weight: 7.1kg (15.7 lb)

### Imaging Processing:

#### Pre-processing: Dynamic Range

- Frame Persist
- Gain
- 8-segment TGC adjustment
- IP (Imaging Process)

#### Post-processing: Gray map

- Speckle Reduction Technology
- Pseudo-color
- Gray Auto Control
- Black/white invert
- Left/right invert
- Up/down invert
- Image rotation at 90° interval

### Measurement & Calculation:

B-mode: Distance, circumference, area, volume, ratio % stenosis, histogram, and angle

M-mode: Distance, time, slope, and heart rate

Doppler: Time, heart rate, velocity, acceleration, trace, and RI

#### Software packages:

- Canine, feline, equine, bovine, ovine

### Standard Configurations:

Clarity main unit  
 12.1" TFT-LCD monitor  
 Two transducer connectors  
 Pulsed wave Doppler  
 Multiple-pseudo-color Imaging  
 256-frame cine loop memory  
 504MB built-in image storage  
 Two USB ports  
 Measurement & calculation software packages

### Options:

#### Micro-convex array transducer:

C611-2 (5.5/6.5/7.5/H9.0/  
 H9.4MHz)

#### Micro-convex array transducer:

C321-2 (2.5/3.5/4.5/H5.0/  
 H5.4MHz)

#### Convex array transducer:

C361-2 (2.5/3.5/4.5/H5.0/  
 H5.4MHz)

#### Linear array transducer:

L761-2 (6.5/7.5/8.5/H9.0/  
 H9.4MHz)

#### Linear array transducer:

L743-2 (6.5/7.5/8.5/H9.0/  
 H9.4MHz)

#### Endorectal transducer:

V563-2 (4.5/5.5/6.5/H8.0/  
 H8.4MHz)

#### Transducer needle-guide brackets

#### Large capacity data storage

#### Video printer

#### Laser printer

#### Inkjet printer

#### Footswitch

#### Li-ion battery

#### Mobile trolley

#### Hand-carry bag

#### DICOM 3.0

#### UMS100 workstation software