

## DUS 60 Digital Ultrasonic Diagnostic Imaging System



The DUS 60 is an impressive new compact ultrasound system, providing superb value and the best quality across the entire range of applications, with enhanced support of PW imaging to meet the higher diagnostic requirements.

### Features:

- ✧ 12.1 inches TFT-LCD monitor
- ✧ 5-frequency broadband transducer selection
- ✧ THI and TSI technology
- ✧ PW Doppler function
- ✧ Multi-pseudo-color options
- ✧ IP (Image Processing) function
- ✧ 256-frame cine loop memory
- ✧ 504MB permanent image storage capacity
- ✧ Built-in rechargeable Li-ion battery
- ✧ Multi-language function
- ✧ 2 USB ports

**Standard configurations:**

DUS 60 main unit  
12.1 inches TFT-LCD monitor  
PW Doppler function  
Multi-pseudo-color options  
256 frames cine loop memory  
504MB built-in image storage  
Two transducer connectors  
Two USB ports  
Measurement & calculation software packages  
Convex array transducer: C363UA (2.0/3.0/4.0/5.0/6.0MHz)

**Options:**

Convex array transducer: C343UA (2.0/3.0/4.0/5.0/6.0MHz)  
Linear array transducer: L763UA (6.0/7.0/8.0/9.0/10.0MHz)  
Linear array transducer: L743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Micro-convex array transducer: C613UA (4.5/5.5/6.5/7.5/8.5MHz)  
Micro-convex array transducer: C321UA (2.0/3.0/4.0/5.0/6.0MHz)  
Endorectal transducer: E743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Endovaginal transducer: E613UA (4.5/5.5/6.5/7.5/8.5MHz)  
Needle-guided brackets for transducers  
Video printer  
Laser printer  
DICOM3.0  
Foot switch  
Li-ion battery  
Mobile trolley  
Hand carried bag

## **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 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  
Pseudo-color  
Left-right reverse  
Up-down reverse

### **Functions:**

Cine loop: 256 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

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: >80 types  
Transducer auto-detection  
16-segment acoustic power output adjustment

## **Transducer Types:**

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)  
Linear array transducer: L763UA (6.0/7.0/8.0/9.0/10.0MHz)  
Linear array transducer: L743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Micro-convex array transducer: C613UA (4.5/5.5/6.5/7.5/8.5MHz)  
Micro-convex array transducer: C321UA (2.0/3.0/4.0/5.0/6.0MHz)  
Endorectal transducer: E743UA (6.0/7.0/8.0/9.0/10.0MHz)  
Endovaginal transducer: E613UA (4.5/5.5/6.5/7.5/8.5MHz)

## **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  
Software packages: abdomen, gynecology, obstetrics, urology, small parts, cardiology, orthopedics

## **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  
Dimensions: 330mm(W) X 320mm(L) X 253mm(H)  
Net weight: 7.1Kg

*Note: specifications subject to change with prior notice*