



# DUS 60

## Technical Specifications

Convex array:  
C361-2



Micro-convex array:  
C611-2



Linear array:  
L743-2



Endovaginal:  
E611-2



Endorectal:  
E741-2



Linear array:  
L761-2



### General:

Imaging mode: B, 2B, 4B, B+M, M, and PW  
Gray scales: 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 152 degrees (transducer dependent)  
Scanning depth (mm):  
From 19 to 324 (transducer dependent)  
Applications: Abdomen, obstetrics, gynecology,  
small parts, musculoskeletal, cardiology,  
peripheral vascular, urology

### 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  
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: >130 types  
Transducer auto-detection

### 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:  
General obstetric, gynecology, small parts,  
orthopedics, cardiology, peripheral vascular,  
and urology

### Display:

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

### Standard configurations:

DUS 60 main unit  
12.1" TFT-LCD monitor

Two transducer connectors  
Pulsed wave Doppler  
Multiple-pseudo-color imaging  
256 frames cine loop memory  
504MB built-in image storage  
Two USB ports  
Measurement & calculation software packages  
Convex array transducer:  
C361-2 (2.5/3.5/4.5/5/5.5/6.5/7.5/8.5/9.5/10.5MHz)

### Options:

Micro-convex array transducer:  
C611-2(5.5/6.5/7.5/8.5/9.5/10.5MHz)  
Linear array transducer:  
L761-2(6.5/7.5/8.5/9.5/10.5MHz)  
Linear array transducer:  
L743-2(6.5/7.5/8.5/9.5/10.5MHz)  
Endovaginal transducer:  
E611-2(5.5/6.5/7.5/8.5/9.5/10.5MHz)  
Endorectal transducer:  
E741-2(8.5/9.5/10.5/11.5/12.5/13.5/14.5/15.5MHz)  
Needle-guide brackets for transducers  
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



# DUS 60

Digital Ultrasonic Diagnostic Imaging System



## DUS 60

The DUS 60 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.



### > Powerful technologies to increase your diagnostic confidence

- Phase Inversion Harmonic Imaging technology provides best-in-class 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