



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: 2.0-10.0 MHZ
 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 mark: >130 types
 Transducer auto-detection

Others:

Peripheral ports: S-video output: 1
 Video output: 1
 VGA output port: 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) X 220mm(8.7") (W) X 320mm (12.6") (H)
 Net weight: 7.1kg (15.7 lb)

Imaging Processing:

Pre-processing: Dynamic Range
 Frame Persist
 Gain
 8-segment TGC adjustment
 IP (Image 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, Annotation, 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/H2.5/H4.7MHz)

Options:

Micro-convex array transducer:
 C611-2 (5.5/6.5/7.5/H4.5/H4.7MHz)
 Linear array transducer:
 L761-2 (6.5/7.5/8.5/H4.5/H4.7MHz)
 Linear array transducer:
 L743-2 (6.5/7.5/8.5/H4.5/H4.7MHz)
 Endovaginal transducer:
 E611-2 (5.5/6.5/7.5/H4.5/H4.7MHz)
 Endorectal transducer:
 E741-2 (6.5/7.5/8.5/H4.5/H4.7MHz)
 Needle-guide brackets for transducers
 Large capacity data storage
 Video printer
 Laser printer
 Inkjet printer
 Footswitch
 Li-on battery
 Mobile trolley
 Hand-carry bag
 DICOM 3.0
 UMS100 workstation software

DUS 60

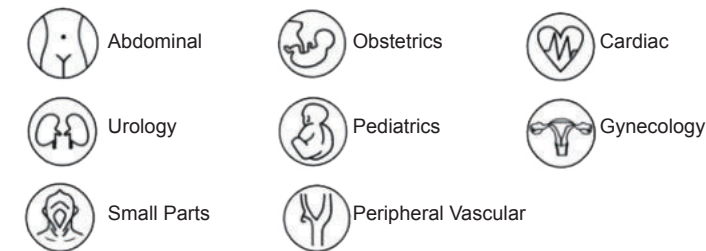
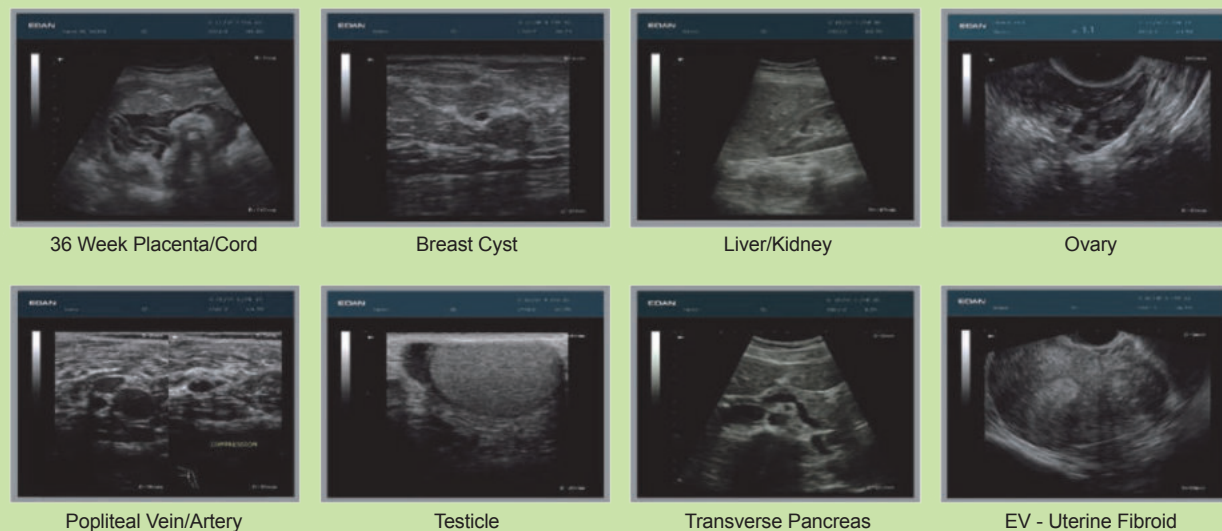
Digital Ultrasonic Diagnostic Imaging System





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