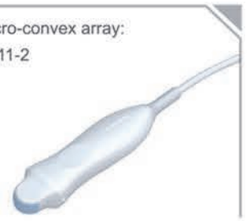
DUS 60

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/H2.5/H2.7MHz)

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-ion battery
Mobile trolley
Hand-carry bag
DICOM 3.0
UMS100 workstation software

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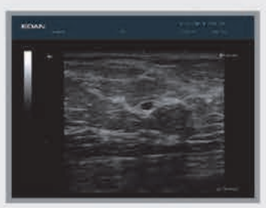
DUS 60

Digital Ultrasonic Diagnostic Imaging System

DUS 60

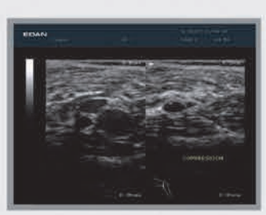
The DUS 60 is an impressive new compact ultrasound system, providing superb value and quality across the entire range of applications. The addition of PW Doppler increases diagnostic information content.

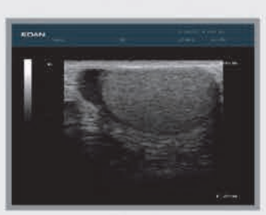

36 Week Placenta/Cord

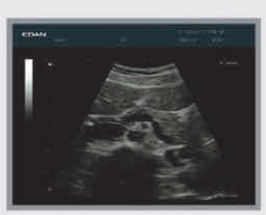

Breast Cyst


Liver/Kidney


Ovary

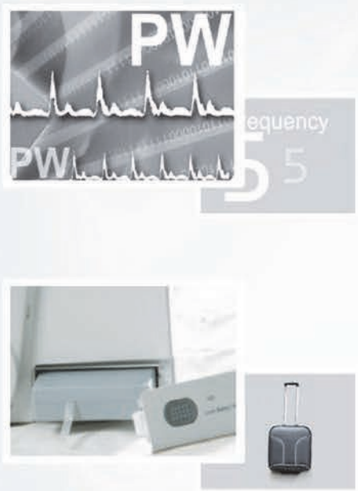

Popliteal Vein/Artery


Testicle


Transverse Pancreas


EV - Uterine Fibroid

- Abdominal
- Obstetrics
- Cardiac
- Urology
- Pediatrics
- Gynecology
- Small Parts
- Peripheral Vascular



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