

# EDANUSA

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## DUS 3



■ **Digital Ultrasonic Diagnostic Imaging System**

Care for Health



# DUS 3

## Technical Specifications

Convex array:  
C363-1



Micro-convex array:  
C321-1



Endovaginal:  
E611-1



Convex array:  
C341



Linear array:  
L741



Endorectal:  
E741



### General:

Imaging mode: B,B+B,4B,B+M,M  
 Gray scales: 256  
 Display: 10" non-interlaced  
 Transducer frequency:  
 2.0-10.0 MHz  
 Transducer connector:  
 1 (standard) 2(optional)  
 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  
 4-segment TGC adjustment  
 IP (Image Process)  
 Post-processing: Gray map  
 Gamma correction  
 Rejection  
 Black / white reverse  
 Left / right reverse  
 Up / down reverse  
 Image rotation at 90 degree interval

### Functions:

Cine loop: 128 frames bidirectional cine-loop  
 Zoom: X1.0, X1.2, X1.4, X1.6, X2.0, X2.4,  
 X3.0, X4.0 in distance  
 Storage media:  
 Built-in Flash, External USB-Memory stick  
 Storage: 56 MB permanent image  
 Body mark: >130 types  
 Transducer auto-detection  
 16-segment acoustic power output adjustment

### Measurement & Calculation:

B-mode: distance, circumference, area, volume,  
 angle, ratio, %stenosis  
 M-mode: distance, time, velocity, heart rate (2 cycles), slope  
 Software packages:  
 abdomen, gynecology, obstetrics, urology,  
 small parts, cardiology, orthopedics

### Display:

Date, Time, Probe Name, Probe Frequency, Frame Rate,  
 Patient Name, Patient 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: 100V-240V~50Hz/60Hz  
 Dimensions: 353mm(W) X 315mm(L) X 253mm(H)  
 Net weight: 11.5 kg

### Standard Configurations:

DUS 3 main unit  
 10" non-interlaced monitor  
 One transducer connector  
 128 frames cine loop memory  
 56MB built-in image storage  
 Two USB ports  
 Measurement & calculation software packages  
 Convex array transducer:  
 C361-1 (2.0/3.0/4.0/5.0/6.0 MHz)  
 One cable holder

### Options:

Linear array transducer:  
 L741 (6.0/7.0/8.0/9.0/10.0 MHz)  
 Endorectal transducer:  
 E741 (6.0/7.0/8.0/9.0/10.0 MHz)  
 Endovaginal transducer:  
 E611-1 (4.5/5.5/6.5/7.5/8.5 MHz)  
 Convex array transducer:  
 C341 (2.0/3.0/4.0/5.0/6.0 MHz)  
 Micro-convex array transducer:  
 C321-1 (4.0/5.0/6.0 MHz)  
 Two transducer connectors  
 Video printer  
 Laser printer  
 Inkjet printer  
 Biopsy guide  
 DICOM 3.0  
 Footswitch  
 Mobile trolley  
 Hand carried bag

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4901 Morena Blvd., Suite 505  
 San Deigo, CA 92117  
 Tel: 888.850.4597



Distributor: