



## DUS 8

### Digital Ultrasonic Diagnostic Imaging System

DUS 8, EDAN's new member of the all digital ultrasonic diagnostic imaging systems, not only endeavors to offer the most competitive price, but also focuses on excellent performance: high resolution images, broadband and multi-frequency transducers, abundant obstetrics/gynecology software packages, dual USB ports, 256-frame cine loop, 56MB build-in image storage and various storage forms, etc., all of which make clinical diagnosis more functional and convenient.

# DUS 8

## Digital Ultrasonic Diagnostic Imaging System

### Technical Specifications

#### General:

Imaging mode: B,B+B,4B, B+M,M  
Gray scales: 256  
Display: 14" non-interlaced  
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  
Left-right reverse  
Up-down reverse

#### 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  
Storage media: Built-in Flash, External USB-Memory stick  
Storage: 56MB permanent image  
Body mark: > 80 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



### Multi-frequency transducers



#### 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 1  
VGA output port 1  
USB port 2  
DICOM3.0 1 (optional)  
Power supply: 100V-240V ~ 50Hz/60Hz  
Dimensions: 530mm(W) X 700mm(L) X 1300mm(H)  
Net weight: 33 kg

#### Standard Configurations:

DUS 8 main unit  
14" non-interlaced monitor  
Two transducer connectors  
256 frames cine loop memory  
56MB built-in image storage  
Two USB ports  
Measurement & calculation software packages  
Convex array transducer: C363-1 ( 2.0/3.0/4.0/5.0/6.0MHz )

#### Options:

Linear array transducer: L743 ( 6.0/7.0/8.0/9.0/10.0MHz )  
Endorectal transducer: E743 ( 6.0/7.0/8.0/9.0/10.0MHz )  
Endovaginal transducer: E613 ( 4.5/5.5/6.5/7.5/8.5MHz )  
Micro-convex array transducer: C321 ( 2.0/3.0/4.0/5.0/6.0MHz )  
Convex array transducer: C343-1 ( 2.0/3.0/4.0/5.0/6.0MHz )

Video printer  
Laser printer  
Biopsy guide  
DICOM3.0  
Footswitch



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