



## DUS 3

### Digital Ultrasonic Diagnostic Imaging System

Complete images solutions and economic price make EDAN's DUS 3 meet challenges in today's ultrasound market. With its full digital technology and high performance transducers, DUS 3 provides the elegant images quality as an ideal portable working station. It will meet your daily diagnostic requirements, without any compromise in image quality, and at an economic price.

# DUS 3

## Digital Ultrasonic Diagnostic Imaging System

### Technical Specifications

#### General:

Imaging mode: B,B+B,4B, B+M,M  
Gray scales: 256  
Display: 10" non-interlaced  
Transducer frequency: 2.5 ~ 10MHz  
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 40 to 155 degree (depending on transducers)  
Scanning depth (mm): from 40 to 240 (depending on transducers)

#### Imaging Processing:

##### Pre-processing:

Dynamic range  
Edge enhancement  
Frame correlation  
Line correlation  
Smooth  
4-segment TGC adjustment  
IP (Image Process)

##### Post-processing:

Gray map  
Gamma correction  
Rejection  
Left-right reverse  
Up-down reverse

#### Functions:

Cine loop: 204 frames bidirectional cine-loop  
Zoom: X1.0, X2.0, X3.0, X4.0 in real-time  
Storage media: Built-in Flash, External USB-Memory stick  
Storage: 128 frames permanent image  
Body mark: 100 types  
Transducer auto-detection  
16-segment acoustic power output adjustment

#### Measurement & Calculation:

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

### Multi-frequency transducers



#### Display:

Date, Time, Probe Frequency, Frame Rate, Patient Record NO.,  
Hospital ID, Zoom, Values, Body Marks, Annotation, Probe Position,  
Full-screen Edit

#### Others:

Peripheral port: Video output 1  
VGA output port 1  
USB port 2  
DICOM3.0 1 (optional)  
Power supply: 100-240VAC±10% 50Hz/60Hz  
Dimensions: 353mm(W) X 315mm(L) X 253mm(H)  
Net weight: 9.5Kg

#### Standard Configurations:

DUS 3 main unit  
10" non-interlaced monitor  
One transducer connectors  
204 frames cine loop memory  
128 frames built-in image storage  
Two USB ports  
Measurement & calculation software packages  
Convex array transducer: C361-1 ( 2.5/3.5/5.0MHz )

#### Options:

Linear array transducer: L741 ( 6/8/10MHz )  
Endorectal transducer: E741 ( 6/8/10MHz )  
Endovaginal transducer: E611-1 ( 5/6.5/8MHz )  
Micro-convex array transducer: C321-1 ( 2.5/3.5/5.0MHz )  
Convex array transducer: C341 ( 2.5/3.5/5.0MHz )

#### Two Transducer Connectors

Video printer  
Laser printer  
Biopsy guide  
DICOM3.0  
Footswitch  
Mobile trolley  
Hand carried bag

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Trolley



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