

# EDAN



## 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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