

# EDAN

NEW



## 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: 33kg

#### Standard Configurations:

DUS 8 main unit

14" non-interlaced monitor

Two transducer connectors

256 frames cine loop memory

56 MB built-in image storage

Two USB ports

Measurement & calculation software packages

Convex array transducer: C363-1

#### Options:

Linear array transducer: L743

Endorectal transducer: E743

Endovaginal transducer: E613

Micro-convex array transducer: C321

Convex array transducer: C343-1

Video printer

Laser printer

Biopsy guide

DICOM3.0

Footswitch



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Features and specifications are subject to change without notice



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