

# EDAN



## 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, 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: 2.0 – 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 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

Left-right reverse

Up-down reverse

#### 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: 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: 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 (2.0/3.0/4.0/5.0/6.0MHz)

One cable holder

#### Options:

Linear array transducer: L741(6.0/7.0/8.0/9.0/10.0MHz)

Endorectal transducer: E741(6.0/7.0/8.0/9.0/10.0MHz)

Endovaginal transducer: E611-1(4.5/5.5/6.5/7.5/8.5MHz)

Micro-convex array transducer: C321-1(2.0/3.0/4.0/5.0/6.0MHz)

Convex array transducer: C341(2.0/3.0/4.0/5.0/6.0MHz)

#### Two Transducer Connectors

Video printer

Laser printer

Biopsy guide

DICOM3.0

Footswitch

Mobile trolley

Hand carried bag



Trolley



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