

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
Black/white reverse
Left/right reverse
Up/down reverse
Image rotation at 90 degree interval

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



Trolley

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)
Convex array transducer: C341 (2.0/3.0/4.0/5.0/6.0MHz)
Micro-convex array transducer: C321-1 (4.0/5.0/6.0MHz)

Two Transducer Connectors

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

EDAN

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