

DUS 6

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: 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 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
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, X1.3, X1.6, X2.0, X2.4, X3.0, X4.0 in real-time
Storage media: Built-in Flash, External USB-Memory stick
Storage: 128 frames permanent image
Body mark: 80 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 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: 100-240VAC±10% 50Hz/60Hz
Dimensions: 353mm(W) X 315mm(L) X 253mm(H)
Net weight: 11.5Kg

Standard Configurations:

DUS 6 main unit
10" non-interlaced monitor
Two transducer connectors
256 frames cine loop memory
128 frames built-in image storage
Two USB ports
Measurement & calculation software packages
Convex array transducer: C363-1 (2.5/3.5/5.0MHz)

Options:

Linear array transducer: L743 (6/8/10MHz)
Endorectal transducer: E743 (6/8/10MHz)
Endovaginal transducer: E613 (5/6.5/8MHz)
Micro-convex array transducer: C321 (2.5/3.5/5.0MHz)
Convex array transducer: C343-1 (2.5/3.5/5.0MHz)

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



Trolley

EDAN

NEW



DUS 6

Digital Ultrasonic Diagnostic Imaging System



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Features and specifications are subject to change without notice

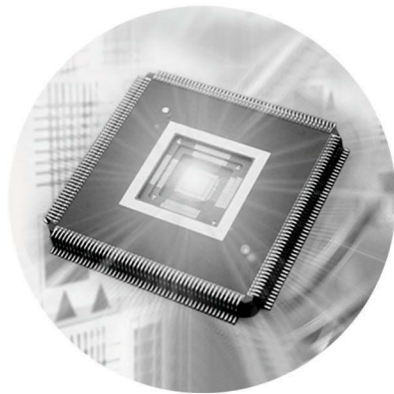


With advanced digital beam-forming (DBF) technology, EDAN focuses on Ultrasound applications that will create new clinical value for you and your patients. Furthermore, the maximum 128 frames built-in image storage and standard configuration of two-transducer-connector bring along with more options and flexibility.

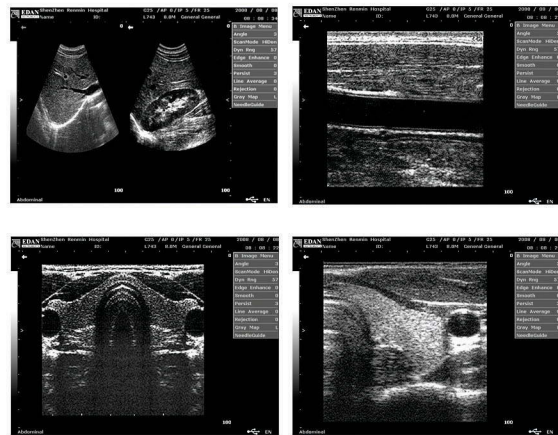
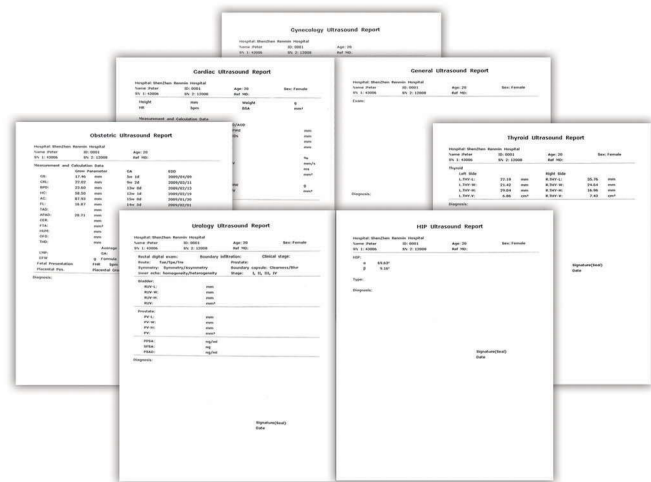
Innovative Technology

DUS 6, powered by innovative technology, optimizes imaging precision and ensures the reality and perfection of images.

- Dynamic Frequency Scan (DFS)
- Real-time Dynamic Aperture (RDA)
- Dynamic Receiving Apodization (DRA)
- Digital Beam-forming (DBF)
- Multi-zone Transmitting Focusing (MTF)
- Dynamic Receiving Focusing (DRF)



Comprehensive Applications



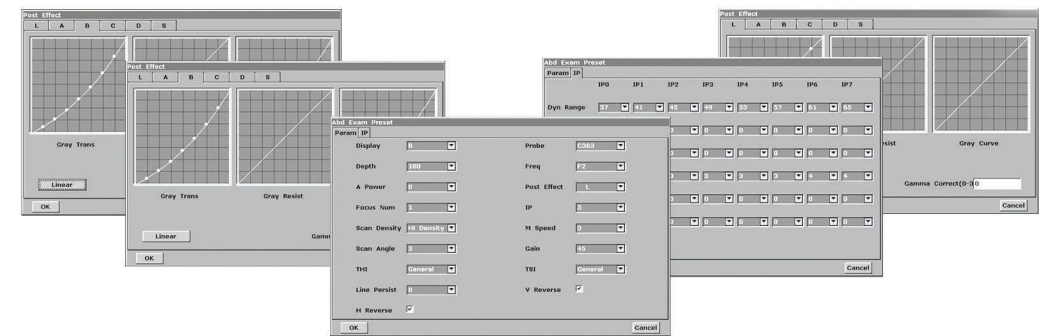
With a variety of multi-frequency transducers, and abundant measurements and calculation software packages, DUS 6 insures optimal images and solid diagnosis confidence for each clinical application.

DUS 6

Digital Ultrasonic Diagnostic Imaging System

Powerful Functions

- IP (Image Process) Function
- Ergonomic Backlight Keyboard Design
- Intelligent 8-segment TGC adjustment
- Panoramic Zoom Function



Excellent Features

- DUS 6 includes these features which are usually unique to higher end systems
- 256-frame cine loop
- 128-frame image storage
- VGA output
- Dual USB port
- DICOM 3.0 (optional)

