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: 2.0 ~ 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

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: 11.5kg

Standard Configurations:
DUS 6 main unit
10" 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
Mobile trolley
Hand carried bag

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EDAN

NEW

DUS 6

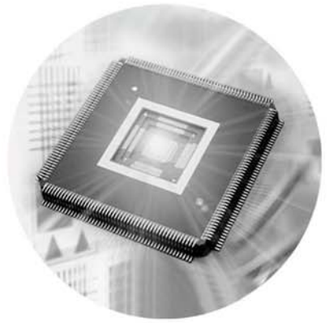
Digital Ultrasonic Diagnostic Imaging System

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 56MB built-in image storage and standard configuration of two-transducer-connector bring along with more options and flexibility.

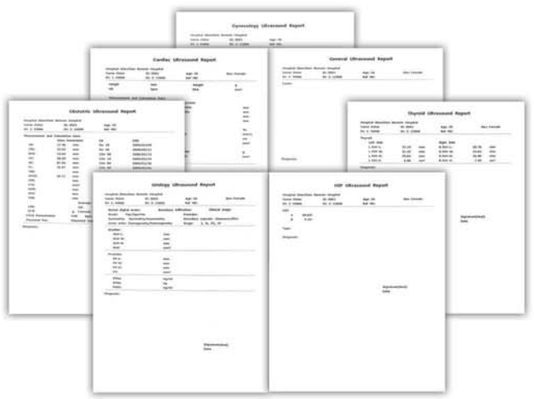
Innovative Technology

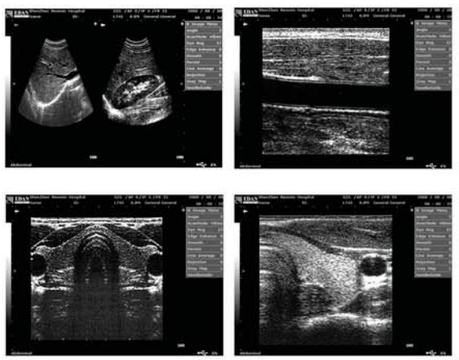
DUS 6, powered by innovative technology, optimizes imaging precision and ensures the reality and perfection of images.

- 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

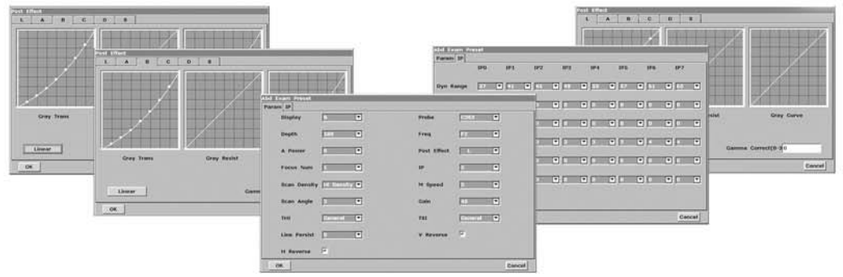
Powerful Functions

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

56MB image storage

VGA output

Dual USB port

DICOM 3.0 (optional)

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