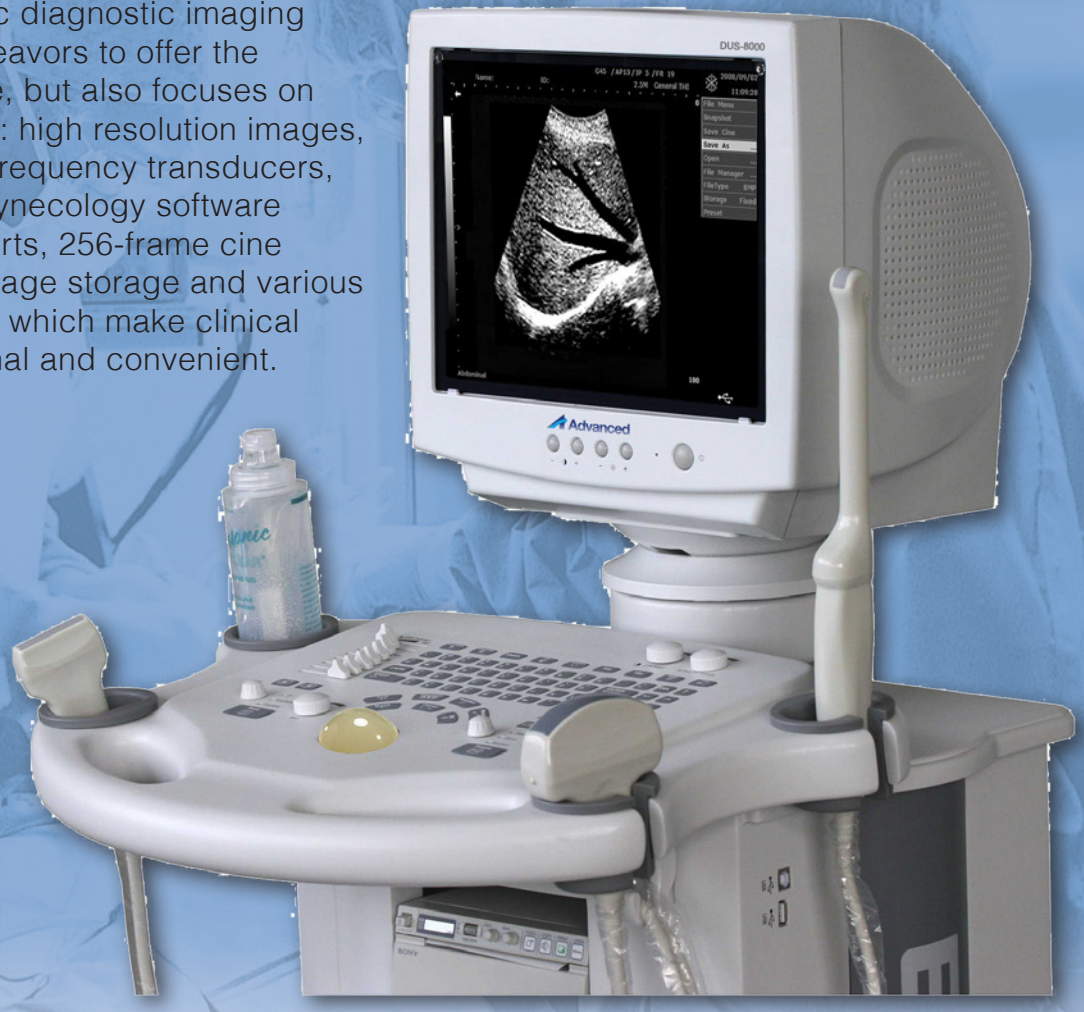
digital ULTRASOUND

DUS-8000

Digital Ultrasonic Diagnostic Imaging System

DUS-8000, Advanced'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 pakages, dual USB ports, 256-frame cine loop, 56MB build-in image storage and various storgae forms, etc., all which make clinical diagnosis more funtional and convenient.



DUS-8000
REV. 01
MAY 2011

Advanced®

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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) X1300mm(H)
Net weight: 33 kg

Standard Configurations:
DUS 8000 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 (2.0/3.0/4.0/5.0/6.0 MHz)

Options:
Linear array transducer: L743 (6.0/7.0/8.0/9.0/10.0 MHz)
Endorectal transducer: E743 (6.0/7.0/8.0/9.0/10.0 MHz)
Endovaginal transducer: E613 (4.5/5.5/6.5/7.5/8.5 MHz)
Micro-convex array transducer: C321 (2.0/3.0/4.0/5.0/6.0 MHz)
Convex array transducer: C343-1 (2.0/3.0/4.0/5.0/6.0 MHz)

Video printer
Laser printer
Biopsy guide
DICOM3.0
Footswitch

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