DUS-6000
Technical Specifications

Convex array: C363UA(2.0/3.0/4.0/5.0/6.0MHz)
Applications: Abdomen, OB, GYN, Urology

Micro-convex array: C321UA(2.0/3.0/4.0/5.0/6.0MHz)
Applications: Cardiac, Pediatric

Linear array: L763UA(6.0/7.0/8.0/9.0/10MHz)
Applications: Musculoskeletal, Vascular, Breast, Orthopedics

Endovaginal: E613UA(4.5/5.5/6.5/7.5/8.5MHz)
Applications: OB, GYN

Convex array: C343UA(2.0/3.0/4.0/5.0/6.0MHz)
Applications: Abdomen, OB, GYN

Micro-convex array: C613UA(4.5/5.5/6.5/7.5/8.5MHz)
Applications: Cardiac, Pediatric

Linear array: L743UA(6.0/7.0/8.0/9.0/10MHz)
Applications: Small parts

Endorectal: E743UA(6.0/7.0/8.0/9.0/10.0MHz)
Applications: Urology

General:

Imaging mode: B, B+B, 4B, B+M, M, and PW
Gray scales: 256
Display: 12.1" TFT-LCD
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 (Imaging Process)

Post-processing: Gray map
Gamma correction
Rejection
Pseudo-color
Left-right reverse
Up-down reverse

Functions:

Cine loop: 256 frames bidirectional cine-loop
Zoom: ×1.0, ×1.2, ×1.4, ×1.6, ×2.0, ×2.4,×3.0, ×4.0 in distance
panoramic zoom in real-time and frozen condition
Storage media: Built-in Flash, External USB-Memory stick
Built-in image archive: 504MB built-in image storage
Body mark: >80 types
Transducer auto-detection
16-segment acoustic power output adjustment

Measurement & Calculation:

B-mode: distance, circumference, area, volume, ratio, stenosis%, and angle
M-mode: distance, time, slope, and heart rate
D-mode: time, heart rate, velocity, acceleration, trace, and RI
Software packages: abdomen, obstetric, small parts, gynecology, orthopedics, cardiology, peripheral vessels, and urology

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
Lithium battery: Continuous working for 2 hours
Dimensions: 330mm(W) x 320mm(L) x 253mm(H)
Net weight: 7.1kg

Standard configurations:

DUS-6000 main unit
12.1" TFT-LCD monitor
Two transducer connectors
256 frames cine loop memory
504MB built-in image storage
Two USB ports
Measurement & calculation software packages
Convex array transducer: C363UA (2.0/3.0/4.0/5.0/6.0MHz)

Options:

Linear array transducer: L743UA (6.0/7.0/8.0/9.0/10.0MHz)
Linear array transducer: L763UA (6.0/7.0/8.0/9.0/10.0MHz)
Convex array transducer: C343UA (2.0/3.0/4.0/5.0/6.0MHz)
Micro-convex array transducer: C321UA (2.0/3.0/4.0/5.0/6.0MHz)
Micro-convex array transducer: C613UA (4.5/5.5/6.5/7.5/8.5MHz)
Endorectal transducer: E743UA (6.0/7.0/8.0/9.0/10.0MHz)
Endovaginal transducer: E613UA (4.5/5.5/6.5/7.5/8.5MHz)
Needle-guided brackets for transducers
Video printer
Laser printer
DICOM3.0
Foot switch
Lithium battery
Mobile trolley
Hand carried bag

Advanced
Advanced Instrumentations, Inc.
6800 N.W. 77 Court Miami, Florida 33166 U.S.A.
Tel: 305 477 6331 Fax: 305 477 5351 www.advanced-inst.com

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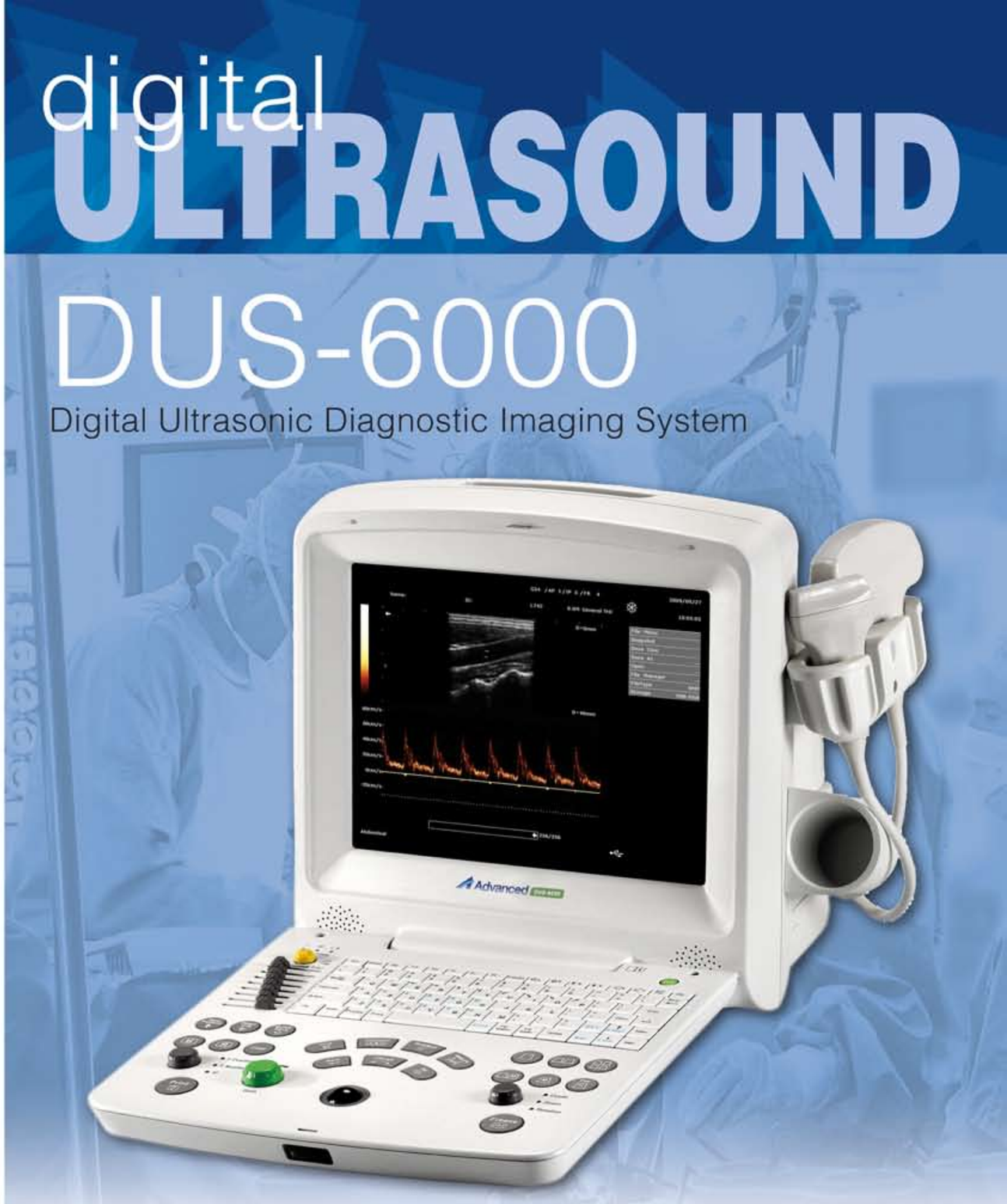
digital ULTRASOUND

DUS-6000

Digital Ultrasonic Diagnostic Imaging System



DUS-6000
REV. 01
MAY 2011

Advanced®

The DUS-6000 is an impressive new compact ultrasound system, providing superb value and the best quality across the entire range of applications, with enhanced support of PW imaging to meet the higher diagnostic requirements.

Powerful Technologies to Be Your Right Assistant

- Complete Digital Beam Forming technologies achieve high quality imaging
- THI and TSI technology present sharp and clear imaging accordingly
- PW Doppler brings more clinical diagnostic values on vascular disease
- 5-frequency broadband transducer selection for wide clinical applications including abdomen, obstetrics, small parts, gynecology, orthopedics, cardiology, peripheral vessels and urology

Go Anywhere You Need to Go

- Compact and lightweight design brings excellent mobility
- 12.1" folding high resolution TFT-LCD screen generates image clarity
- Built-in battery ready for scanning 2 hours at point-of-care

Definite More Meaning on User-friendly

- One touch image quality optimization by smart IP key
- Rational-designed backlight palm controller
- User-defined keys contribute smooth operation process
- Quick-save key helps you the maximum patient throughout

Feasible elements to enhance your confidence

- Intelligent 8-segment TGC for precise adjustment
- Multi-format data transferring via USB and DICOM
- Multi-pseudo-color options for personalized needs

Liver

Thyroid

Fetal head

Kidney with pseudo-color

CCA PW with pseudo-color

CCA with pseudo-color