

# 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: 58MB 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: 353mm(W) X 315mm(L) X 253mm(H)  
Net weight: 11.5 kg

#### Standard Configurations:

DUS 6 main unit  
10" non-interlaced monitor  
Two transducer connectors  
256 frames cine loop memory  
58MB 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



Trolley

# EDAN

NEW



# DUS 6

## Digital Ultrasonic Diagnostic Imaging System



IP Polska Sp. z o.o., ul. Szparagowa 6/8, 91-211 Łódź  
tel. 042 266 01 40, e-mail: [diagnostyka@ippolska.pl](mailto:diagnostyka@ippolska.pl)



ENG-US-DUS6-V1.2-20091130

All rights reserved.

Features and specifications are subject to change without notice.

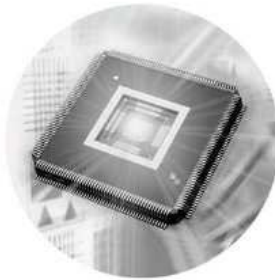


With advanced digital beam-forming (DBF) technology, EDAN focuses on Ultrasound applications that will create new clinical value for you and your patients. Furthermore, the 56MB built-in image storage and standard configuration of two-transducer-connector bring along with more options and flexibility.

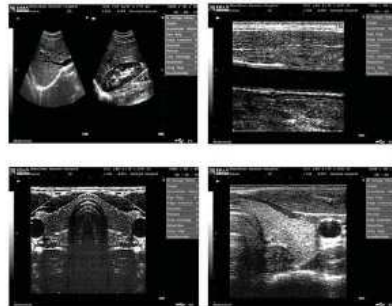
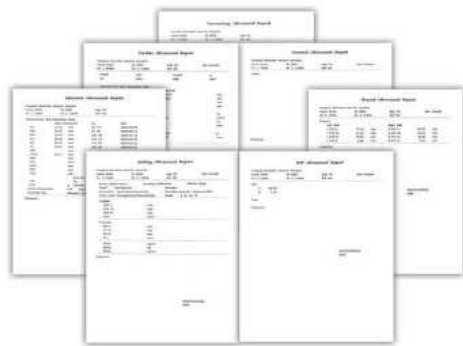
### Innovative Technology

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



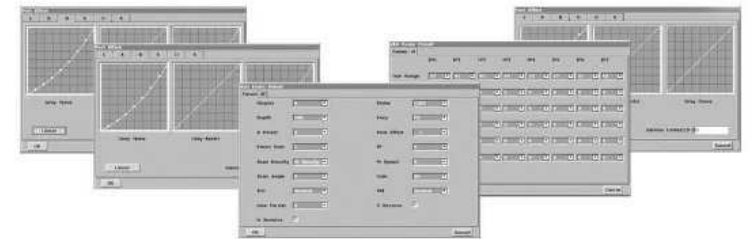
With a variety of multi-frequency transducers, and abundant measurements and calculation software packages, DUS 6 insures optimal images and solid diagnosis confidence for each clinical application.

# 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)

