

DUS 6 Digital Ultrasound Diagnostic System



With advanced digital beam forming (DBF) technology, the DUS6 is a new, advanced digital ultrasound diagnostic system that will create new clinical value for you and your patients. With 128 frame built in storage and two transducer connectors as standard, the DUS6 offers more options and greater flexibility at an affordable price.

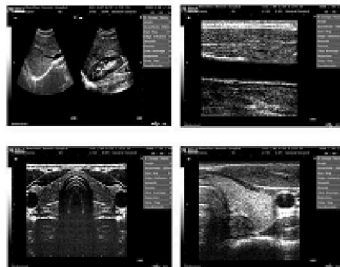
Innovative Technology

The DUS6 is powered by innovative technology which optimizes imaging precision and ensures the reality and perfection of all images.

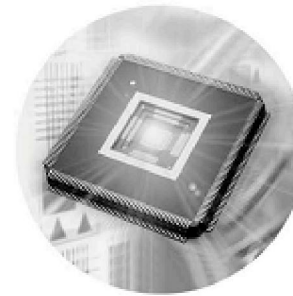
- Dynamic Frequency Scan (DFS)
- Real-time Dynamic Aperture (RDA)
- Dynamic Receiving Apodization (DRA)
- Digital Beam Forming (DBF)
- Multi-zone Transmitting Focusing (MTF)
- Dynamic Receiving Focusing (DRF)

Powerful Functions

- IP (Image Process) Function
- Ergonomic backlit keyboard design
- Intelligent 8 segment TGC adjustment
- Panoramic zoom function



With a variety of multi frequency transducers and state of the art measurement and calculation software packages, the DUS6 ensures optimal imaging and solid diagnosis confidence for each clinical application.



Excellent Features

The DUS6 include these features which are usually only found on higher end systems.

- 204 frame cine loop
- 128 frame image storage
- VGA output
- Dual USB port
- DICOM 3.0 (optional)



General

Imaging Modes:	B, B&B, 4B, B&M, M
Grey Scales:	256
Display:	10" non interlaced
Transducer Frequency:	2.5—10 MHz
Transducer Connector:	2 as 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 degrees (depending on transducer)
Scanning Depth:	From 20 to 240 mm (depending on transducer)

Image Processing

Pre Processing:	Dynamic range Edge enhancement Frame correlation Line correlation Smooth 8 segment TGC adjust IP (Image Processing)
Post Processing:	Grey map Gamma correlation Rejection Left / right reverse Up / down reverse

Functions

Cine Loop:	204 frame, bidirectional
Zoom:	x1, x2, x3, x4 in real time
Storage Media:	Built in Flash. External USB memory stick
Storage:	128 frames permanent image
Body Mark:	100 types
Transducer auto detection	
16 segment acoustic power output adjust	

Measurement & Calculation

B Mode:	Distance, Circumference, Area, Volume, Angle, Residual Urine Volume
M Mode:	Distance, Time, Velocity, Heart Rate (2 cycles)
Software Packages:	Abdomen, Gynaecology, Obstetrics, Urology, Small Parts, Cardiology.

Display

Date, Time, Probe Frequency, Frame Rate, Patient Record No, Hospital ID, Zoom, Values, Body Marks, Annotation, Probe Position, Full Screen Edit

Peripheral Port:	Video Output x1 VGA Output Port x1 USB Port x2 DICOM 3.0 (Optional) x1
Power Supply:	100—240VAC +/- 10% 50/60 Hz
Dimensions:	363 (w) x 315 (l) x 263 (h) mm
Nett Weight:	9.5 Kg

Standard Configuration

DUS6 main unit
10" Non Interlaced monitor
Two transducer connections
204 frames cine loop memory
128 frames built in image storage
Two USB ports
Measurement & calculation software packages
Convex array transducer: C363-1 (2.5/3.5/5.0 MHz)

Options

Linear array transducer: L743 (6/8/10 MHz)
Endorectal transducer: E743 (6/8/10 MHz)
Endocavity transducer: E611 (5/6.5/8 MHz)
Micro Convex array transducer: C321 (2.5/3.5/5.0 MHz)

Video printer
Laser printer
Biopsy guide
DICOM 3.0
Footswitch
Mobile Trolley
Hand Carry Bag
Flight Case (waterproof)