

DUS 3

Digital Ultrasonic Diagnostic Imaging System

Technical Specifications

General Description	
Display Mode:	B, B/B, B/M, M
Gray Scales:	256
Display:	10 non-interlaced
Transducer Frequency:	2.5 ~ 8.5MHz
Transducer Connector:	2 Standard
Beam Forming:	Digital Beam Forming (DBF) Dynamic Receiving Focusing (DRF) Dynamic Frequency Scan (DFS)
Scanning Angle:	From 30 to 120 degree (depending on transducers)
Scanning Depth(mm):	From 40 to 240 (depending on transducers)
Imaging Processing	
Pre-processing:	Dynamic range Edge enhancement AGC 8-segment TGC adjustment
Post-processing:	Gray map Gamma Correction Left-right, Up/down, Black/white reverse
Functions	
Cine loop:	Up to 809-frame cine loop memory
Zoom:	Panoramic zoom in real time and frozen conditions
Image Storage	Permanent image up to 32 frames
Body Mark	40
Measurement	
Software packages:	Distance, Circumference, Volume, Area, Abdomen, Obstetrics
Others	
External Ports:	Video output USB2.0
Power supply:	100V ~ 130V/220V ~ 240V, 50/60 Hz
Dimension(mm):	353×315×253
Net Weight:	11.5Kg approx

Standard Configuration

DUS 3 main unit
10 non-interlaced Monitor
Two Transducer Connectors
809 frames cine loop
32 frames image storage
USB 2.0 ports
Measurement software package
Electronic convex array transducer
C3-1/60R/3.5MHz

Options

Electronic linear array transducer
L3-1/7.5MHz
Electronic transvaginal transducer
EC1-1/13R/6.5MHz
Electronic endorectal transducer
EL3-1/7.5MHz
Electronic micro-convex transducer
C1-6/20R/5.0MHz
Trolley
Video Printer



Note: Specifications subject to change without prior notice

DUS 3

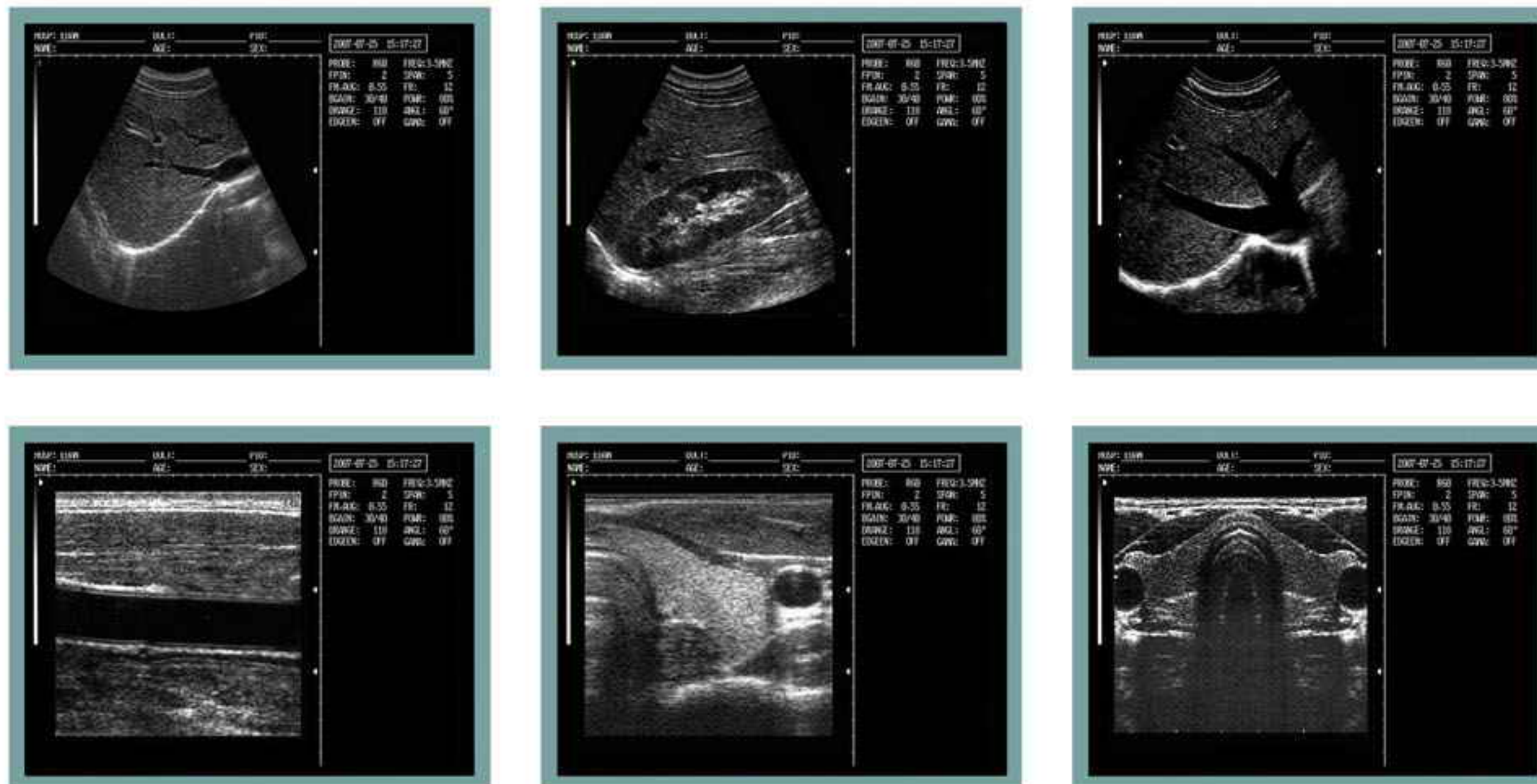
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With advanced digital beam-forming (DBF) technology, DUS 3 has realized significant improvement on image quality. Meanwhile, broadband and multi-frequency transducers enable a wide range of clinic applications. Also, maximum 809 frame cine loop, 32 frames image storage and two standard transducer connectors provide operators with more options and flexibility. With such powerful features and ergonomic design, DUS 3 is the ideal model for users who seek for an economical product

Advanced Imaging Technology



Excellent Features

- Intelligent 8-segment TGC adjustment
- Panoramic zoom in real time and frozen conditions



- Up to maximum 809-frame cine loop
- Permanent 32-frame storage

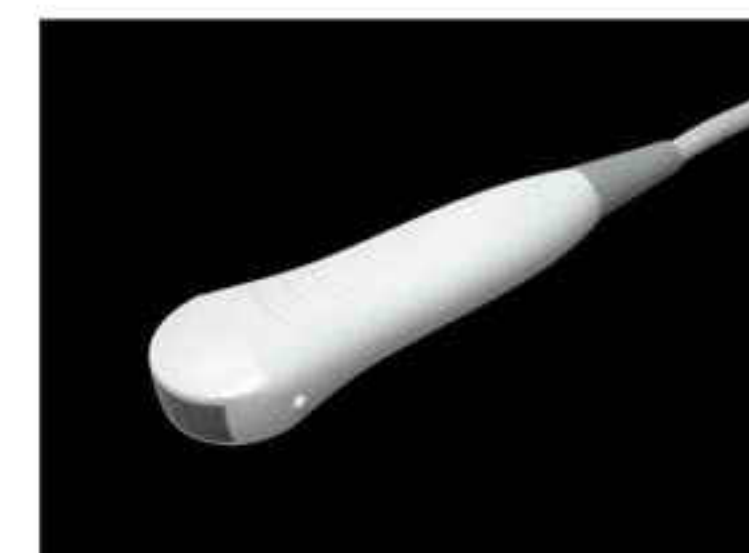
Multi-Frequency Transducers



Convex array



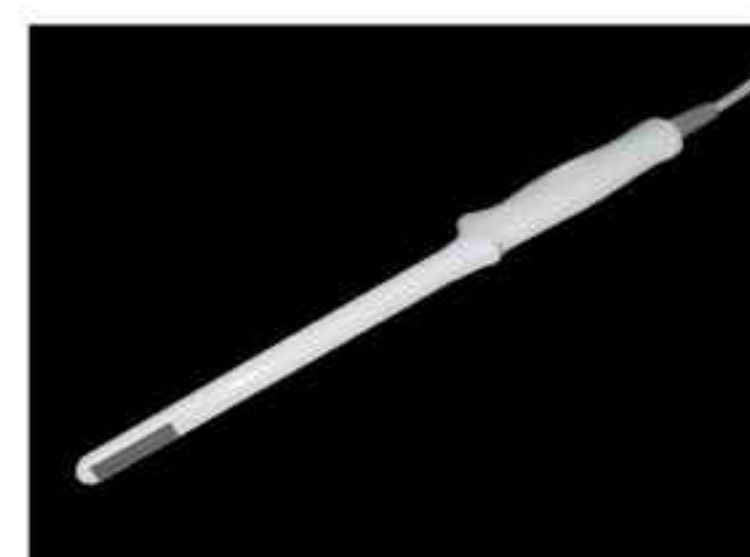
Transvaginal



Micro-convex



Linear array



Endorectal

- USB2.0 port for image uploading to PC

