

## DP-7700 Digital Ultrasonic Diagnostic Imaging System



DP-7700, Mindray's new member of the all digital ultrasonic diagnostic imaging systems, not only endeavors to offer the most competitive price, but focuses on excellent performance: high definition images, broadband and multi-frequency transducers, abundant OB/GYN software package, dual USB ports, 128-frame cine loop and various storage forms, etc., all of which make clinical diagnosis more functional and convenient.

### Features:

- All-digital imaging technology
- Multi-frequency transducers up to 10MHz
- Extensive clinical applications
- Two USB ports
- Built-in image archive
- Complete OB/GYN solutions
- 128-frame cine loop & 16-frame image storage
- IP (Image Process) function



**Standard Configurations:**

- \* DP-7700 main unit
- \* 10" non-interlaced monitor
- \* 128-frame cine loop
- \* 16-frame images storage
- \* Built-in image archive
- \* Two USB ports
- \* Measurement & calculation software packages
- \* Electronic convex array transducer: 35C50EB (2.5/3.5/5.0MHz)

**Options:**

- \* Electronic linear array transducer: 75L38EB (5.0/7.5/10.0MHz)
- \* Electronic linear array transducer: 75L60EA (5.0/7.5/10MHz)
- \* Electronic endocavity transducer: 65EC10EB (5.0/6.5/8.0MHz)
- \* Electronic micro-convex transducer: 65C15EA (5.0/6.5/8.0MHz)
- \* 14" non-interlaced monitor
- \* Footswitch
- \* Needle-guided brackets

## **Technical Specifications:**

### **General Descriptions**

Imaging mode:	B, B+B, B+M, M
Gray scale:	256
Display:	10" non-interlaced
Transducer frequency:	2.5 ~ 10MHz
Beam-forming:	Digital Beam-forming (DBF) Dynamic Receiving Focusing (DRF) up to 16 zone transmitting focusing Dynamic Frequency Scan (DFS) Real-time Dynamic Aperture (RDA) Dynamic Receiving Apodization (DRA)
Scanning angle:	from 40 to 128 degree (depending on transducers)
Scanning depth (mm):	from 25.9 to 246 (depending on transducers)

### **Imaging Processing**

Pre-processing:	dynamic range edge enhancement frame correlation smooth high resolution/high frame rate select
Post-processing:	left-right reverse up-down reverse

### **Functions**

Cine loop:	128-frame cine loop memory
Zoom:	panoramic zoom in real-time and frozen condition
Built-in imaging archive:	16-frame images storage



## Measurement & Calculation

B-mode:	distance, circumference, area, volume, angle, ratio, S%
M-mode:	distance, time, velocity, heart rate(2 cycles)
Software packages:	abdomen, gynecology, obstetrics, small parts, peripheral vessels, orthopaedics

## Peripheral port

Two USB ports  
Two video outputs

## Transducer Types

Electronic convex array transducer:

35C50EB (2.5/3.5/5.0MHz)

Electronic linear array transducer:

75L38EB (5.0/7.5/10.0MHz)

Electronic linear array transducer:

75L60EA (5.0/7.5/10MHz)

Electronic endocavity transducer:

65EC10EB (5.0/6.5/8.0MHz)

Electronic micro-convex transducer:

65C15EA (5.0/6.5/8.0MHz)

## Others

Power supply:	100~240VAC ± 10% 50Hz/60Hz
Dimensions:	500mm(W) X 705mm(L) X 1225mm(H)
Net weight:	50Kg

NOTE: specifications subject to change without prior notice.

