

## DP-9900Plus Digital Ultrasonic Diagnostic Imaging System



An upgraded model of DP-9900, Mindray's DP-9900Plus multi-purpose digital ultrasonic diagnostic imaging system takes pride in its following new features: Dual USB ports and optional DICOM3.0 port, CD-R/W, THI (Tissue Harmonic Imaging) and multi-language software. Except for the new add-ons, DP-9900Plus has inherited all features and functionalities of DP-9900, like advanced digital imaging technologies, 14-inch non-interlaced high definition monitor, broadband and four-frequency transducer group, 256-frame cine loop, built-in imaging archive and IP (Image Processing) function. With expanded and improved configurations, DP-9900Plus expects to become the best aid to clinicians in abdomen, urology, gynaecology, obstetrics, small parts, cardiology, endocavity and intervention diagnosing.

### Features:

- \* Wide clinical applications ----- can be used in abdomen, urology, gynecology, obstetrics, small parts, cardiology, endocavity and intervention
- \* Advanced digital imaging technologies ----- excellent image quality with high resolution and high penetration
- \* IP (Image Process) function ----- help you with adjustment of image parameters fast and easily

- \* THI (Tissue Harmonic Imaging)
- \* TSI (Tissue Speciality Imaging)
- \* Max frequency up to 10MHz
- \* 14" non-interlaced monitor ----- realizing high definition images
- \* Transducer technology ----- high sensitivity, wide band and multi-frequency transducer series
- \* Multi-language interface

**Powerful Functions:**

- \* 256-frame cine loop memory
- \* Built-in imaging archive for more than 100,000 still images can be stored
- \* Hard disk storage in Cine Loop, AVI, BMP, JPG and FRM formats
- \* Two USB ports and CD-R/W
- \* 4X Panoramic zoom in real-time and frozen condition
- \* Patient information management system
- \* iVision – Automatic demonstration function

**Advanced Digital Imaging Technology:**

- |                                 |     |
|---------------------------------|-----|
| * Digital Beam-forming          | DBF |
| * Dynamic Frequency Scan        | DFS |
| * Real-time Dynamic Aperture    | RDA |
| * Dynamic Receiving Apodization | DRA |
| * Dynamic Receiving Focus       | DRF |

**Standard Configuration:**

- \* DP-9900Plus main unit
- \* 14" non-interlaced monitor
- \* Multi-language function
- \* 80G hard disk

- \* Tissue Harmonic Imaging
- \* 256-frame cine loop in B, B+B, M and B+M mode
- \* Built-in patient information management system
- \* Two USB ports
- \* CD-R/W
- \* Measurement & calculation software packages
- \* Electronic convex array transducer: 35C50HA (2.5/3.5/5.0/H4.6/H6.0MHz)



**Options:**

- \* Electronic liner array transducer: 75L38HA/HB (6.0/7.5/8.5/10MHz)
- \* Electronic liner array transducer: 75L60HB (6.0/7.5/8.5/10MHz)
- \* Electronic endocavity transducer: 65EC10HA (5.0/6.5/7.5/8.5MHz)
- \* Electronic micro-convex array transducer: 65C15HA (5.0/6.5/7.5/8.5MHz)
- \* Electronic micro-convex array transducer: 35C20HA (2.0/2.5/3.5/5.0MHz)
- \* Water-resistant footswitch
- \* Needle-guided bracket
- \* DICOM 3.0



## **Technical Specifications:**

### **General Descriptions**

Imaging mode:	B, B+B, B+M, M
Gray scale:	256
Display:	14" non-interlaced
Transducer frequency:	2.0 ~ 10.0MHz
Scanning angle:	from 40 to 140 degree (depending on transducers)
Scanning depth (mm):	from 21.6 to 248 (depending on transducers)
Beam-forming:	Digital Beam-forming (DBF) Dynamic Receiving Focus (DRF) Up to 16 zone transmitting focusing Dynamic Frequency Scan (DFS) Real-time Dynamic Aperture (RDA) Dynamic Receiving Apodization (DRA)

### **Signal Processing**

Pre-processing:	dynamic range edge enhancement frame average AGC TSI (Tissue Specialty Imaging) scanning angle selection high density/high frame rate selection THI (Tissue Harmonic Imaging)
Post-processing:	gray map $\gamma$ -correction rejection left-right reverse up-down reverse

## Functions

Cine loop:	256-frame cine loop memory in B, 32 sec in M
Zoom:	panoramic zoom in real-time and frozen condition
Built-in imaging archive:	80G integrated hard disk, storage over 100,000 still images



## Measurement & Calculation

B-mode:	distance, circumference, area, volume, angle, ratio, histogram, profile, S%
M-mode:	distance, time, velocity, heart rate (2 cycles)
Software packages:	abdomen, urology, gynecology, obstetrics, cardiology, small parts, Orthopedics

## Peripheral Port

USB ports	2
DICOM3.0	1(optional)
Video outputs	2
RS-232 serial port	1
Parallel port	1
VGA output	1
S-video output	1

## Others

Power supply:	100~240VAC 50Hz/60Hz
Dimensions:	508mm(W) X 702mm(L) X 1288mm(H)
Net weight:	60Kg

NOTE: specifications subject to change without prior notice.

