

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

- * Tissue Harmonic Imaging (THI)
- * 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:

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

Standard Configurations:

- * DP-9900Plus main unit
- * 14" non-interlaced monitor
- * Tissue Harmonic Imaging
- * 256-frame cine loop in B, B/B, M and B/M mode, 512×512×8 bit

- * Built-in patient information management system
- * Two USB ports and 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 150 degree (depending on transducers)
Scanning depth (mm):	from 22 to 248 (depending on transducers)
Beam-forming:	HiFi Digital Beam-forming (HDBF) Pixel-based Dynamic Receiving Focus (PDRF) up to 16 zone transmitting focusing

Signal Processing

Pre-processing:	dynamic range frame correlation line correlation Image Enhancement scanning angle selection high resolution/high frame rate selection Tissue Harmonic Imaging (THI) TSI (Tissue Speciality Imaging)
Post-processing:	gray map γ -correction rejection left-right reverse up-down reverse

Functions

Cine loop:	256-frame cine loop memory in B, 32 sec in M
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Zoom: panoramic zoom in real-time and frozen condition

Built-in imaging archive: 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

Transducer Types

Electronic convex array transducer:

35C50HA (2.5/3.5/5.0/H4.6/H6.0MHz)

Electronic linear array transducer:

75L38HA/HB (6.0/7.5/8.5/10MHz)

Electronic linear 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)

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.

