

DP-9900

Digital Ultrasonic Diagnostic Imaging System

Technical specifications

General Description

Imaging mode: B, B/B, B/M, M
 Gray scale: 256
 Display: 14" non-interlaced
 Transducer frequency: 2.5 ~ 10MHz
 Scanning angle: from 51 to 140 degree (depending on transducers)
 Scanning depth (mm): from 25.9 to 246 (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
 scanning angle selection
 high resolution/high frame rate selection
 THI (Tissue Harmonic Imaging)
 TSI (Tissue Speciality Imaging)
 gray map
 y-correction
 rejection
 left-right reverse
 up-down reverse

Functions

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

Transducer Types

Electronic convex array transducer:
 3SC50HA (2.5/3.5/5.0MHz)
 Electronic linear array transducer:
 75L38HA (6.0/7.5/8.5/10.0MHz)
 Electronic linear array transducer:
 75L60HB (6.0/7.5/8.5/10.0MHz)
 Electronic endocavity transducer:
 6SEC10HA (5.0/6.5/7.5MHz)
 Electronic micro-convex array transducer:
 3SC20HA (2.5/3.5/5.0MHz)

Others

Power supply: 100~240VAC±10% 50Hz/60Hz
 Dimensions: 508mm(W) X 702mm(L) X 1288mm(H)
 Net weight: 60Kg

Standard Configurations:

DP-9900 main unit
 14" non-interlaced monitor
 Tissue Harmonic Imaging
 256-frame cine loop in B, B/B, M and B/M mode
 Built-in imaging archive
 Two USB ports and CD-RW
 Measurement & calculation software packages
 Electronic convex array transducer:
 3SC50HA (2.5/3.5/5.0MHz)

Options:

Electronic linear array transducer:
 75L38HA (6.0/7.5/8.5/10.0MHz)
 Electronic linear array transducer:
 75L60HB (6.0/7.5/8.5/10.0MHz)
 Electronic endocavity transducer:
 6SEC10HA (5.0/6.5/7.5MHz)
 Electronic micro-convex array transducer:
 3SC20HA (2.5/3.5/5.0MHz)
 Footswitch
 DICOM 3.0



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DP-9900

Digital Ultrasonic Diagnostic Imaging System

Outstanding Imaging

Quality



DP-9900 Digital Ultrasonic Diagnostic Imaging System is a gem that combines Mindray's creative all digital ultrasound imaging technology and the most ergonomic engineering design. With outstanding imaging quality and complete information solution, DP-9900 brings customers the most human and ergonomic value experience.

Mindray aims at meeting customers' clinical needs with each and every set of solution, not only now, but also in the future.

Benefiting from revolutionary all digital ultrasound imaging technology and the latest advancement in electronic engineering, DP-9900 features outstanding imaging quality and rich functionalities, which fully meets various clinical requirements. A source of confidence in your diagnosis, DP-9900 is thus rated as a classic model of black and white ultrasound systems.

New generation of all digital ultrasound imaging technology, a guarantee of quality imaging

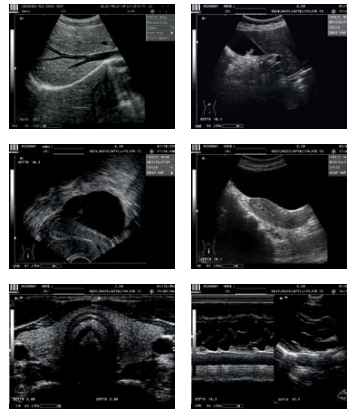
- All digital ultrasound engine
- Super integrated design
- Newest image processing core

Advanced digital image processing function, making sure of the best imaging in any situation

- THI (Tissue Harmonic Imaging)
- 10MHz microanatomy imaging
- TSI (Tissue Specialty Imaging)
- AGC (Auto Gain Control)
- Intelligent Noise Control

MultiFre™ ultra broadband and multi-frequency technology

- Rich transducer series for all clinical needs
- Transducers up to 4 frequency segments



Complete Information

Solution

Based on intimate knowledge of customer's needs and professional ultrasound design experience, DP-9900 offers complete information solutions. Its built-in intelligent ultrasound work platform and complete information flow break the traditional individual machine work mode and bring extended value to customers' investments.



Complete interfaces, providing safe and comprehensive solutions to information flow

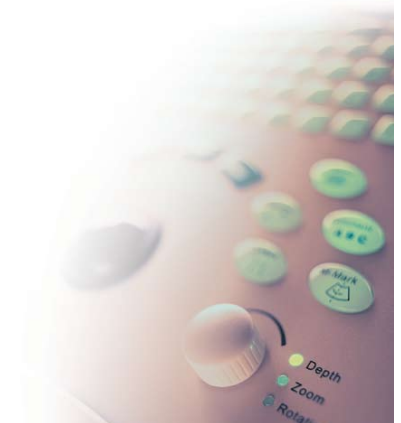
- CD-R/W enables permanent and safe storage of patient information.
- Dual USB ports allow fast and unlimited upload and download of patient information.
- Built-in DICOM3.0 network solution helps realize easy connection with DICOM-compatible PACS network equipment and workstation.
- Standard diagnostic report may automatic come into being and be printed out.

Integral intelligent ultrasound work station

- Holo-4S™ built-in ultrasound work platform
- Powerful patient information management system
- Built-in mega-storage hard disk with super storage capacity
- Multi format for still image, breaking the traditional work mode
- SuperVE™ CINE Loop enables dynamic image playback in all modes.
- CIN format leads to damage-free image storage.
- AVI format allows image playback on general purpose PC.

Rich means of measurement, analysis and diagnosis

- Complete measurement and calculation software package well meets wider clinical applications including abdomen, urology, gynecology, obstetrics, small parts, cardiology, endocavity and intervention.
- GQ-Ana™ gray quantity analysis provides more accurate diagnosis through quantitative analysis of cross-section diagram of tissue echo wave.
- Holographical storage in FRM and CIN format makes offline diagnosis and review come true.



Ergonomic Value Experience

Sticking to the "people-first" value, DP-9900 exercises to the full its ergonomic design, streamlined operation flow and attention to details, which combine to bring customers the most human and ergonomic value experience with ultrasound.



- 14-inch high-resolution monitor, non-interfaced display and specialized screen protection greatly alleviate the user's visual fatigue.
- Vertically and horizontally adjustable monitor allows the user to choose comfortable view angles and thus share the surprising joy brought by the latest technology.



- SynNavi™ synchronous navigation, enables the user to smoothly carry out complicated examinations even in the absence of an operation manual.
- Single-button IP leads to customized image display and reduces the time for image parameter adjustment.
- iVision™ automatic demonstration helps the user quickly and continuously display and review all dynamic and still images of interest.



- Featuring elegant butterfly design and streamlined layout, the backlit central control panel may rotate freely, resulting in easy performance of daily examination work in any circumstances.
- Satellite-style keyboard button layout and logical operation process make each and every examination done in enhanced efficiency.

