

# DP-6900

## Digital Ultrasonic Diagnostic Imaging System

### Technical Specifications

#### General Descriptions

Imaging mode: B, 2B, 4B, M, B+M  
Grayscale: 256  
Display: 10" non-interlaced monitor  
Transducer frequency: 2.0-10MHz, up to 6 frequencies  
Transducer connector: 1 (standard) 2 (optional)  
Digital technology: Tissue Harmonic Imaging (THI)  
Tissue Specific Imaging (TSI)  
Digital Beam Forming (DBF)  
Dynamic Receiving Focusing (DRF)  
Dynamic Frequency Scanning (DFS)  
Scanning depth (mm): up to 302 (depending on transducers)

#### Imaging Processing

Pre-processing: 8-segment TGC  
IP (Image Processing)  
dynamic range  
image enhancement  
frame average  
scanning angle  
high resolution/high frame rate  
acoustic power  
image rotation at 90 degree interval  
Post-processing: gray map  
black/white reverse  
left-right reverse  
up-down reverse

#### Functions

Cine loop: 1500-frame cine loop memory  
Storage media: 400M standard image-storage capacity, optional  
80G massive image-storage module, USB  
Zoom: Pan zoom (real-time and frozen)

#### Measurements & Calculations

B-mode: distance, circumference, area, volume, angle, NT, fetal growth curve, bladder volume, prostate volume, uterine volume  
M-mode: distance, time, velocity, heart rate  
Software packages: abdomen, gynecology, obstetrics, cardiology, small parts, urology, peripheral vessels, orthopedics, etc.

#### Others

Peripheral ports: video, S-video, VGA, two USB ports, footswitch, ethernet port for DICOM3.0 (optional)  
Power supply: 100~240VAC±10%, 50Hz/60Hz  
Dimensions: 265mm(W) X 410mm(L) X 330mm(H)  
Net weight: about 11Kg

#### Standard Configurations

DP-6900 main unit  
10" non-interlaced monitor  
THI (Tissue Harmonic Imaging)  
iStation™ Patient Information Management System  
One transducer connector  
400M standard image-storage capacity  
Two USB ports  
Measurement & calculation software packages

#### Options

Electronic convex array transducer:  
35C50EA (2.0/3.5/5.0/6.0/H4.6/H6.0MHz)  
Electronic linear array transducer:  
75L38EA (5.0/7.5/8.5/10MHz)  
Electronic linear array transducer:  
75L60EA (5.0/7.5/8.5/10MHz)  
Electronic linear array transducer:  
75L53EA (5.0/7.5/8.5/10MHz)  
Electronic micro-convex array transducer:  
35C20EA (2.0/2.5/3.5/5.0MHz)  
Electronic micro-convex array transducer:  
65C15EA (5.0/6.5/7.5/8.5MHz)  
Electronic endocavity transducer:  
65EC10EA (5.0/6.5/7.5/8.5MHz)  
Electronic intrarectal linear array transducer:  
65EL60EA (5.0/6.5/7.5/8.5MHz)  
Electronic intraoperative T-shape transducer:  
75LT38EA (5.0/7.5/8.5/10MHz)  
Second transducer connector  
80G massive image-storage module  
Needle-guided brackets  
DICOM3.0  
Mobile trolley



## DP-6900 NEW Digital Ultrasonic Diagnostic Imaging System

DISTRIBUTOR:



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**mindray**  
healthcare within reach

# DP-6900

## Digital Ultrasonic Diagnostic Imaging System

DP-6900, a premium portable ultrasound system from Mindray, brings diagnostic confidence in a variety of clinical applications by advanced imaging technologies. Together with huge image storage capacity, powerful workflow and comprehensive software packages, a new generation of Mindray's portable ultrasound system meets your needs for excellent image quality and flexibility.

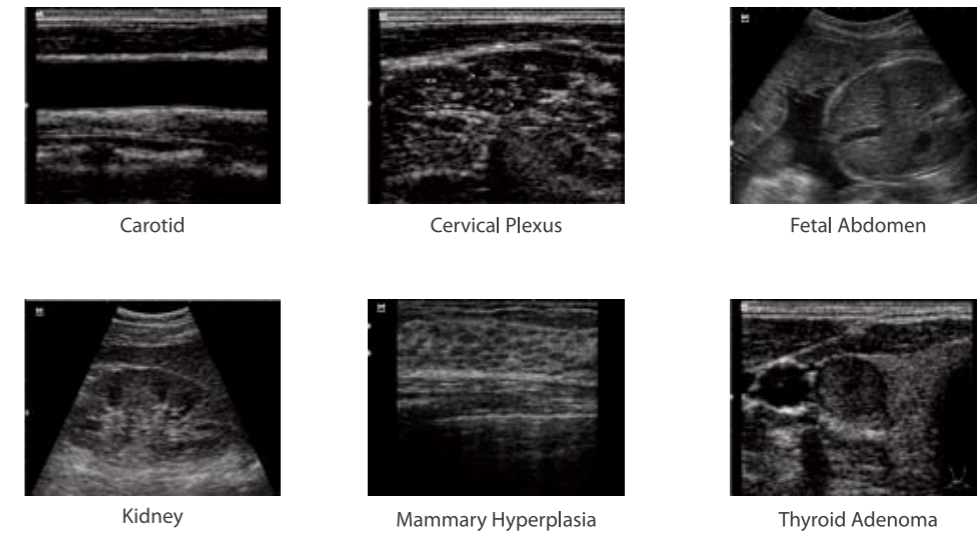
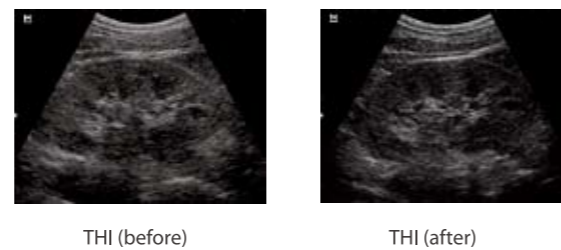


### Clinical Versatility

- A wide range of broadband transducers with up to 6 frequencies, assuring clinical versatility from routine examinations to intraoperative operations.
- Supporting customized exam modes and measurement packages in both traditional ultrasound applications and emerging fields, such as urology, breast, MSK, physiotherapy and podiatry.
- Selectable obstetrics table; wide angle endocavity transducers.

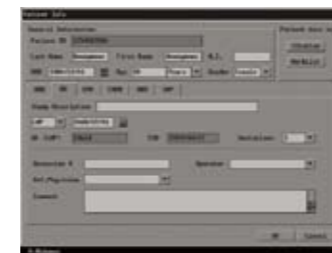
### Advanced Digital Technology

- Tissue Harmonic Imaging (THI) makes use of second harmonics generated from tissue boundary layers, which significantly enhances contrast resolution and improves the image quality, especially on technically difficult patients.
- Tissue Specific Imaging (TSI) optimizes the image quality based on the properties of the tissues being scanned, 4 options available: general, muscle, fluid, fat.
- One-touch image optimization by IP (Image Processing); 8-segment TGC assures delicate image adjustment.

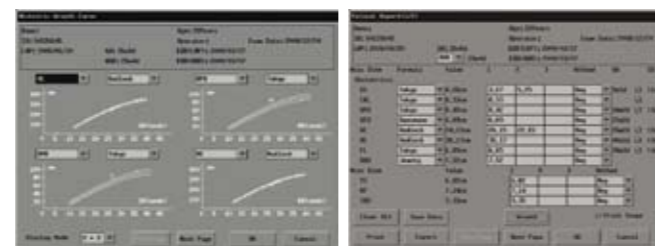


### Powerful Workflow

- iStation™ integrates patient data storage, archiving, review and retrieval efficiently; up to 240,000 images storage capacity.
- Professional reports display the measured results, ultrasound images and diagrams, such as fetal growth curve and fetal biophysical profile.
- One-key image storage to local disk or pen drive.



iStation



Fetal growth curve

Report

### Point-Of-Care Solution

- Rechargeable battery provides up to 1 hour continuous scanning, which makes it true to bring the ultrasound anywhere. Charging the battery by AC supply or through the cigar lighter in your car.
- Fold-up control panel, transducers and battery, all travelling with the main unit, either inside a hand carried bag or on a mobile trolley. Wherever you go, the total solution meets your needs for immediate scanning.
- Quick system boot up, ready-to-scan in the transportation & operation bag.

