

# M7 *Hand-Carried Color Doppler* Diagnostic Ultrasound System

## Clarity, Accuracy, Performance Bring Your Crystal Ball to Point of Care

The Mindray M7 Diagnostic Ultrasound System is a powerful imaging tool to assist you in meeting your clinical challenges today and tomorrow. The M7 is designed for use in all point of care environments. It delivers premium imaging performance across a broad range of specialties. Providing accurate data with speed, the M7 enables clinicians to achieve enhanced level of diagnostic confidence and efficiency.



### General Specifications

**Weight:** 14.3 lb (6.5 kg)

**Dimensions:** 14.06 x 14.21 x 2.95 (L x W x H in inch), 35.7 x 36.1 W x 7.5 (L x W x H in cm)

**Display:** 15 inch High Resolution Diagonal LCD (NTSC or PAL)

**Language Support:** English, French, German, Italian, Portuguese, Russian, Spanish, Polish, Czech, Turkish, Finnish, Danish, Icelandic, Norwegian, Swedish and Simplified Chinese. (Display and Input)

**Electrical Power:** System operates via lithium-ion battery, rechargeable or AC power adapter, 100-240 VAC, 50/60 Hz input, 15 VDC output

### Display Modes and Imaging Technology

#### Broadband, Multi-frequency imaging

- B/M / Anatomical M / Color Doppler Velocity / Power (DirPower) / PW / CW / Smart 3D / Static 3D / 4D / iScape (panoramic imaging) / TDI (Tissue Doppler imaging) / Color M (CM)

#### Imaging Technology

- HPRF, Tissue Harmonic Imaging
- Phase Inversion THI
- iBeam™ Spacial compound imaging
- iClear™ Adaptive Speckle Suppression Imaging

### User Interface

- iTouch™ Intelligent Image Optimization
- iZoom™ Automatically expand the image to full screen
- Alphanumeric QWERTY keyboard with LED Backlight
- Multi-function Knob and trackball for easy operation.
- User programmable controls for enhance accessibility and to meet users preference

### Application Specific Calculations

#### Dedicated Software Package

Abdomen, Obstetrics, Gynecology, Cardiology, Small parts, Urology, Peripheral Vascular, Pediatrics, Nerve Blocks, and Emergency package

### Onboard Workstation/Storage/Review iStation™

- Powerful patient data management platform
- Integrated search engine for patient data
- Data backup, storage and restore
- Live capture: Retrospective; Prospective
- Expandable 160G SATAII Hard Disk.

### Connectivity

#### DICOM® Network

- Task management, Storage, Print, Storage Commitment, Media storage including DICOM DIR, Query/Retrieve, Worklist and MPPS
- DICOM Structured report: OB/GYN, Vascular, Cardiac

### Inputs & Outputs

#### Main Unit

- Transducer connector port, I/O extend, USB, S-Video, Ethernet,
- iRoam™, 802.11b/g wireless data transfer solution

#### iDock

- USB, ECG, Serial, Audio Out L/R, Mic In, Remote control, Composite Video out, DVI-I Out

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## Mobile Trolley and Peripherals

### UMT-300:

- Internal DVD R/W
- Storage for fully integrated B/W and Color Printer
- Transducer holders and storage
- Optional Transducers extend module to provide three transducers connector.
- Optional foot switch
- Optional 15 inch external LCD Display

### Printers:

- Medical-Grade B/W or Color Printer

### ECG module:

- 3-lead ECG



Transducer	Applications	Bandwidth	Depth	Biopsy Kit
C5-2s 	Abdomen, Gynecology and Obstetrics, vascular, musculoskeletal, pediatrics, regional nerve block, procedure and biopsy guidance.	2-5MHz R50mm broadband Convex array	38.8cm	Available NGB-015
7L4s 	Breast, Small parts, musculoskeletal, pediatrics, abdomen, vascular, venous access, nerve block, musculoskeletal, superficial and IMT	4-10MHz L38mm broadband Linear array	28.6cm	Available NGB-007
L14-6s 	Superficial, small parts, vascular, musculoskeletal, pediatrics, Nerve, venous access and biopsy guidance	6-14MHz 25mm broadband Linear array	28.6 cm	Available NGB-016
P4-2s 	Cardiac, abdominal, obstetrics, transcranial, pediatrics	2-4MHz 23mm broadband phased array	28.6cm	Available NGB-011
P7-3s 	Cardiac, abdominal, obstetrics, transcranial, pediatrics	3-7MHz 21 mm broadband phased array	28.6cm	None
V10-4s 	Obstetrics, gynecology, urology, procedure and biopsy guidance	4-10MHz R10mm broadband Convex array	28.6 cm	Available NGB-004
V10-4Bs 	Obstetrics, gynecology, urology, procedure and biopsy guidance	4-10MHz R10mm broadband Convex array	28.6 cm	Available NGB-004
4CD4s 	Abdomen, gynecology, obstetrics	2-6MHz R40 mm broadband Convex array	28.6cm	None

DISTRIBUTOR:

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