

# M6

Hand-Carried Ultrasound System

Accuracy | Versatility | Mobility



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**mindray**

# Bring high performance ultrasound to the bedside

It has been a long, challenging path for clinicians to bring high-level standard diagnosis to the bedside for intensive patient care. Up to now, there has been a limited choice of size and performance of traditional ultrasound systems.

With health care within reach in mind, Mindray released the new M6, the ideal balanced of capability and size to realize a confident diagnosis at the bedside.

## Technologies within reach

### **Multi-beam Formation**

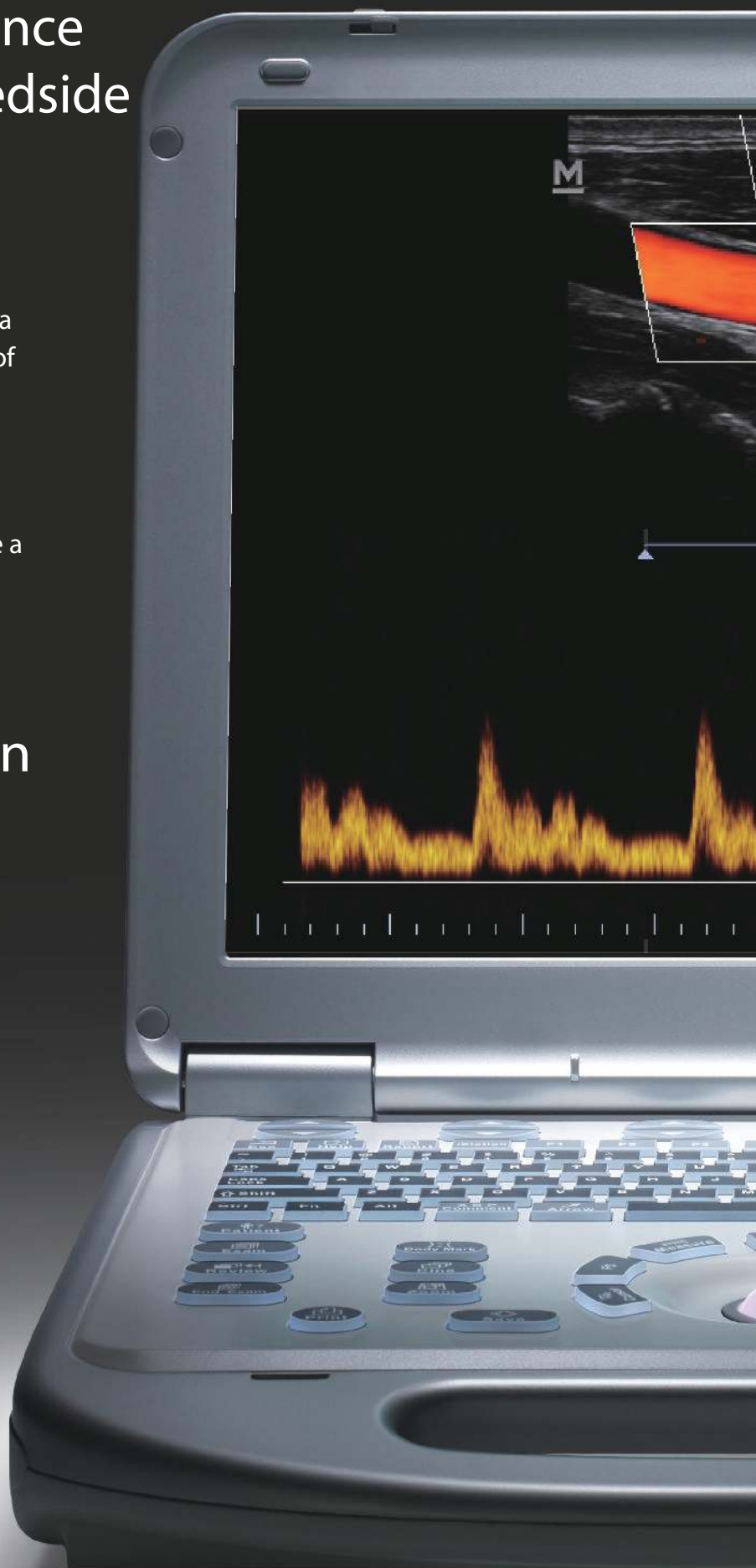
Multi-beam Formation allows for up to 8 times beam receiving from each transmitted beam, resulting in excellent time resolution.

### **iClear**

iClear speckle-reduction imaging technology reduces the image speckle noise and acquires clearer lesion contours.

### **iBeam**

iBeam spatial-compounding imaging technology permits use of multiple transmitting angles to form a single image, resulting in enhanced contrast resolution.



# Comprehensive solutions with professional focus



3C5s



C11-3s



7L4s



L14-6Ns



2P2s



4CD4s



V10-4s



6LB7s

## Wide range transducer family

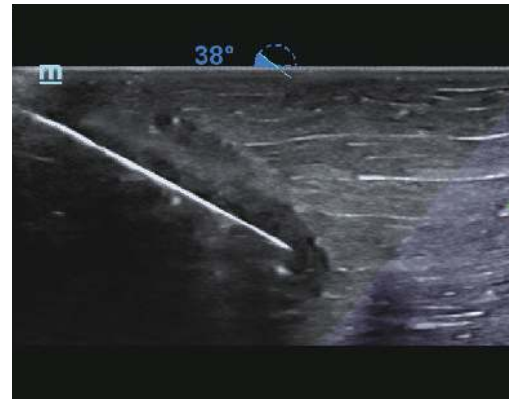
- High frequency linear transducer L14-6Ns for superficial organs
- Micro convex transducer C11-3s for neonatal cephalic, vascular, pediatric, abdomen and cardiology
- 4D volume transducer 4CD4s
- Straight handle transvaginal transducer V10-4s and curved handle transducer V10-4Bs
- Bi-planar array transducer 6LB7s for prostate
- Stainless steel needle-guided brackets for transvaginal transducers

## General Imaging

- Professional clinical measurement packages cover complete clinical applications
- Specific report templates with anatomical graphics for clinical applications
- iStation™: on board workstation for patient information management and connectivity
- Robust alloy case with anti-shock and anti-splash design allows diagnostic exams even in harsh environments

## Point of Care

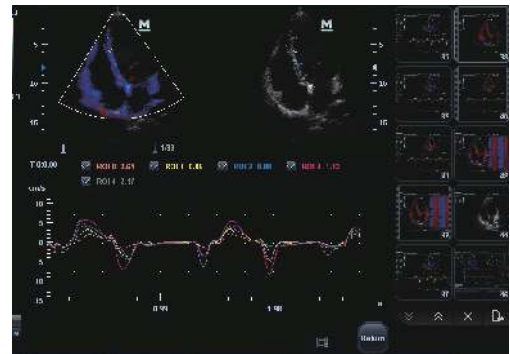
- Dedicated POC packages: Nerve Package and Emergency & Critical Package with emergency medicine study report
- Focused assessment with sonography in trauma (FAST)
- Large capacity batteries with continuous scanning of more than 1.5 hours
- Fast response, booting up in seconds



iNeedle™

## Cardiology

- Free Xros M (Anatomic M mode): multi-region analysis of up to 3 sample lines simultaneously
- Free Xros CM (Curved Anatomic M mode): evaluating myocardial motion and synchronization applied to TDI, by randomly sampling at different segments of myocardium
- Tissue Doppler Imaging with Quantitative Analysis: providing speed parameter in TDI QA
- Stress Echo with customizable user protocols



TDI QA

## Obstetrics & Gynecology

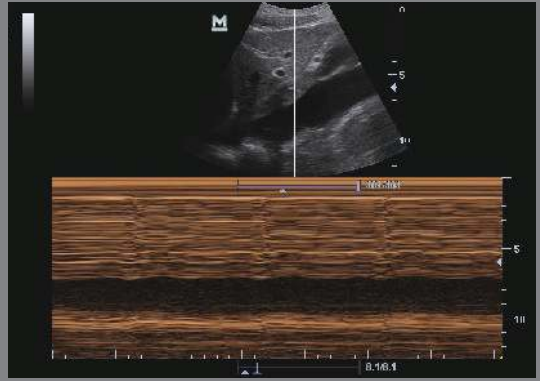
- Smart OB: accurate auto measurements of most frequently examined parameters on a single click, including BPD/HC/FL/AC/OFD
- Z-score: professional analysis tool for evaluate fetal heart function
- Complete OB measurement package, including various fetal weight assessment formula and fetal growth curve
- Up to 180° field of view for transvaginal imaging



3D fetal face



Kidney Perfusion



IVC



Brachial Plexus



Hepatic Vein



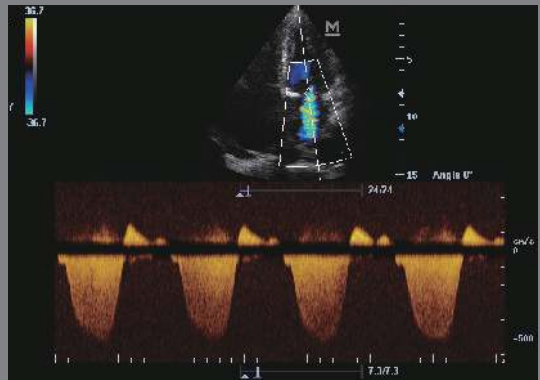
Lipoma



Uterus



LV Long Axis



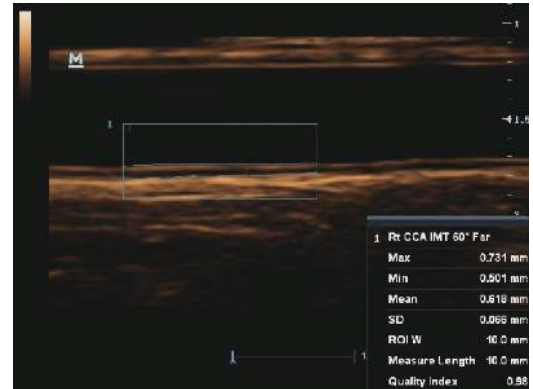
Mitral Regurgitation

# Intelligent workflow

## Auto Measurement

The M6 provides intelligent automatic measurement tools, reducing keystrokes, operator dependency, and exam time for improved workflow.

- Auto IMT: automatically detect and calculate the thickness of carotid intima-media
- Auto LV: semi automatically trace the left ventricular wall to calculate LV function
- Auto PW trace & calculation: automatically calculates PI, RI, TAMAX, TAMEAN, Volume Flow, etc.
- Smart Tracking: continuously track the color flow and optimize the best color box position in real time
- Smart Doppler: automatic optimize color box and Doppler gate placement to ensure optimal color and spectral Doppler signal



Auto IMT



Smart OB

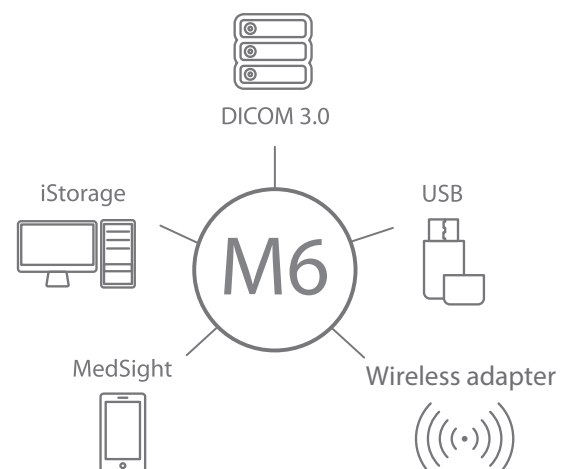
## iTouch (One key image optimization)

iTouch automatically adjusts images in B, Color and PW modes.

- B mode : automatically adjust gain and TCG
- Color mode: automatically adjust best image parameters including color gain
- PW mode: detect optimal alignment of PW scale and PRF

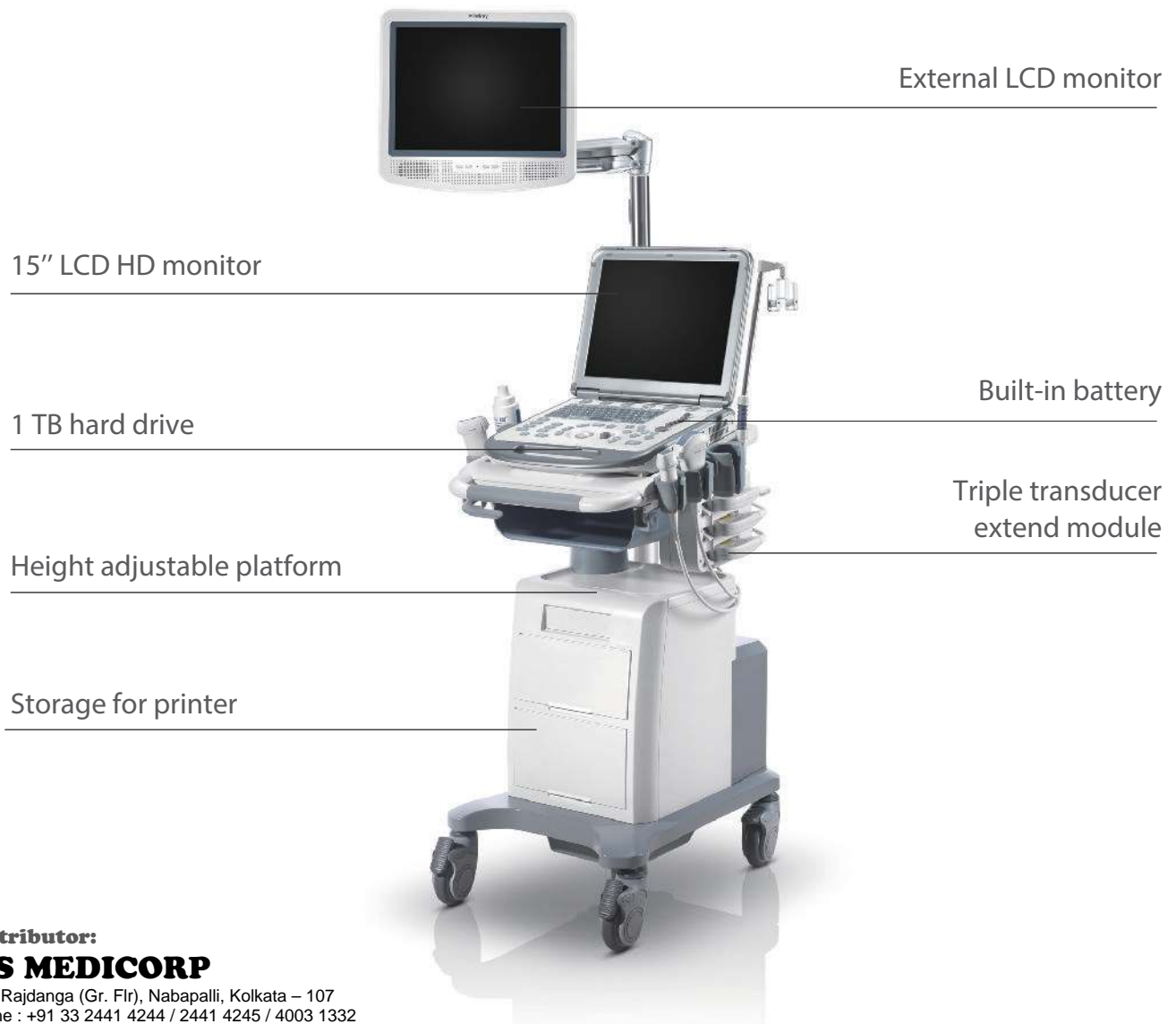
## Connectivity

- DICOM : complete DICOM solution
- iStorage: transfer images and reports to PC directly
- MedSight: mobile device app for image transferring



# Ergonomic design

M6's light weight and laptop design permit easy transportation and storage. Equipped with slim cart, the M6 is flexible and ideal for bedside examination.



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