

## M8

Premium Hand-Carried Ultrasound System

# More Accessible to Premium Capability



# More Accessible to Premium Performance

To address the complicated and urgent clinical scenarios during daily practice, the need for more access to premium performance and professional applications with mobile ultrasound device is growing throughout general imaging, echocardiography and point of care.

Based on mQuadro platform, the proven premium compact ultrasound architecture, the new M8 hand-carried ultrasound system from Mindray, is developed with the more affordable and accessible to premium capability for a prime focus on quick and precise diagnosis. The M8 is a versatile system can be applicable on broad usability.

## The M8 is focusing on challenges with:



### Premium Capability

Excellent imaging based on mQuadro platform, 3T Technology and ComboWave Transducers



### Professional Application

Rich in advanced features such as UWN<sup>+</sup> Contrast Imaging, Natural Touch elastography and TDI, etc. for comprehensive and complicated scenarios



### Efficient Workflow

Utilizes automatic exam tools to achieve easy workflow



### Agile Mobility

Highly compact size for easy transportation and enhanced design for better reliability in tough conditions

Mindray

# Premium Capability

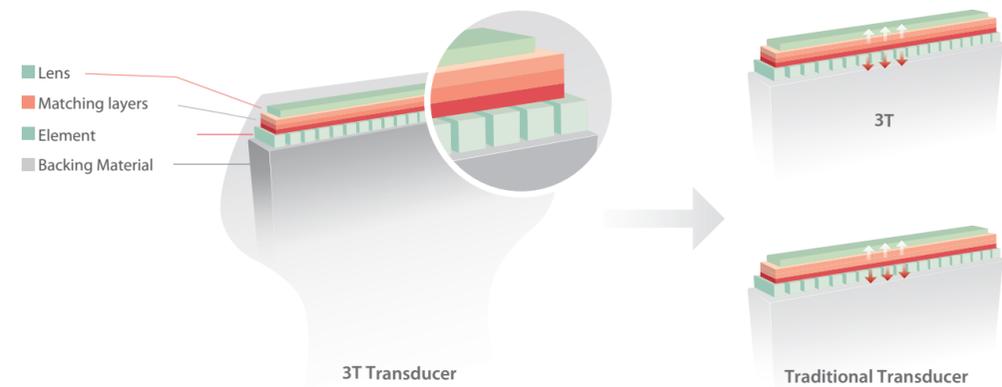
Designed with powerful mQuadro platform and equipped with 3T Technology Transducers, the M8 has owned premium imaging capability for delivering quick and accurate diagnosis.

## mQuadro Platform

Mindray's compact ultrasound platform consists of industry leading hardware architecture, advanced transmission and reception, powerful parallel processing, and intelligent algorithm, making M8 capable of delivering powerful imaging coupled with advanced functionalities.

## 3T Technology Transducers

3T technology based transducers utilize Triple layers design, Total cut crystal and Thermal control materials to dramatically optimize the acoustic spectrum and reduce acoustic impedance, bringing outstanding performance with extreme image resolution and uniformity.



# Professional Application

Extending its advanced premium capabilities to the most demanding applications, the M8 with advanced functionalities, is able to provide professional solutions for various scenarios.

## General Imaging

### UWN+ Contrast Imaging

Based on Mindray's exclusive UWN+ contrast imaging technology, the M8 is able to detect and utilize both 2<sup>nd</sup> harmonic and non-linear fundamental signals for generating contrast images with excellent performance at bedside.

- More sensitive minor signal
- Longer agent duration with lower MI
- Time-Intensity curve for analysis

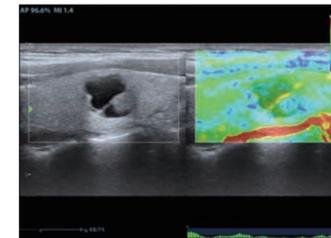


Contrast Imaging

### Natural Touch Elastography

Natural touch elastography reduces dependence on users' operation technique, improving operator reproducibility for higher clinical utility.

- Higher stiffness sensitivity
- Superior stability and reproducibility
- Unique shell analysis tool

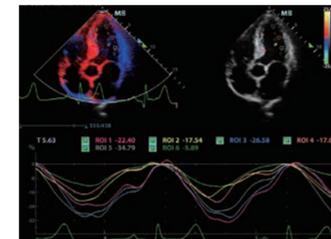


Elastography

## Cardiology

### Tissue Doppler Imaging with Quantitative Analysis

Supported by Mindray's unique 3T technology, M8 significantly improves the performance of Tissue Doppler Imaging. With the comprehensive parameter outputs such as velocity, strain and strain rate, the TDI QA is able to perform on-line professional analysis at the bedside.



TDI QA



## Point of Care

### Critical Care

The rapid and precise detection capabilities makes M8 an excellent choice for critical patient examinations in the ICU, as well as adult and pediatric TEE solutions for satisfying the most demanding requirements within Critical Care.



TEE

### Emergency

With fast and accurate response, the M8 can be well trusted and depended upon for immediate patient-care decisions. The high portability, battery operated long continuous scanning, and special emergency package make M8 an ideal partner during emergent situations.



Early Pregnancy and Ovarian Cyst

# Efficient Workflow

## Smart Tools

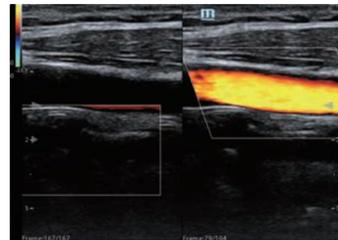
- Automatic measurements for efficient workflow: Auto PW Trace, Smart OB/NT, etc.
- Smart Track: detects and tracks vessel's position and direction for automatically optimizing the Doppler performance



Auto PW Trace

## Efficient Working Experience

- Raw Data: able to reprocess and optimize images from archive and eliminate repeated scanning
- iWorks: standardized and automated exam protocols with up to 50% less exam time and up to 75% fewer keystrokes



Smart Track

## Ultra-fast Response

- 7 second boot up from standby
- Customized keys for quick measurements



# Agile Mobility

The highly mobile, reliable and slim design permits easy transportation and storage. Be it cart or table mounted, the M8 can be used limitlessly across multiple clinical scenarios and in tough conditions.

## Innovative Unit Design

- Thin magnesium-alloy body
- 15.6' 1080P LED HD monitor

## Customized Trolley

- Up to 250mm range for height adjustment
- Built-in quick & easy locking system

## Green All The Way

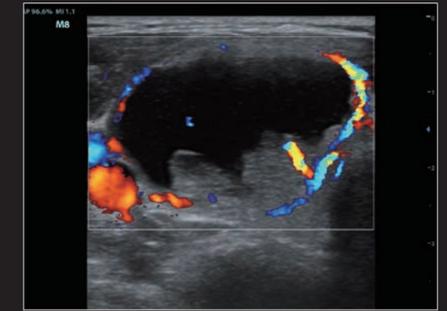
- Quiet processor system
- Automatic brightness monitoring for additional power saving

## Long Duration Battery

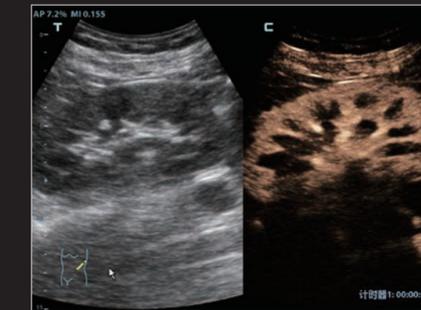
- Built-in main unit battery providing 90 min of scanning time
- Additional trolley attached battery for 120min of extra scanning time



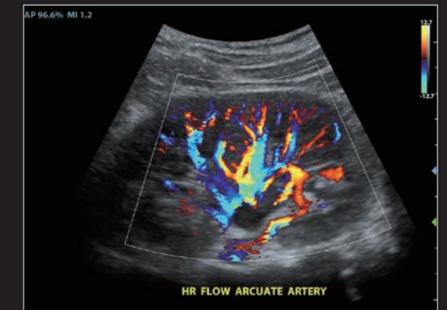
Hepatic Hemangioma



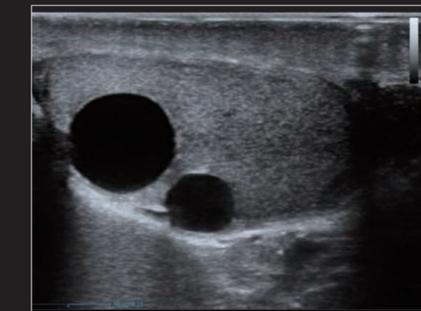
Thyroid Cyst



Kidney Contrast Imaging



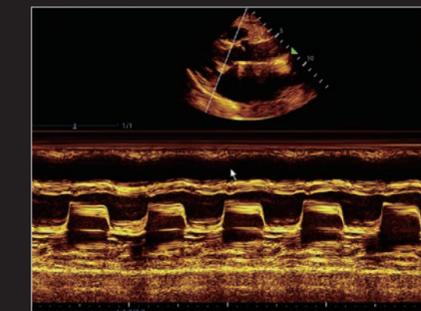
Kidney Color Flow



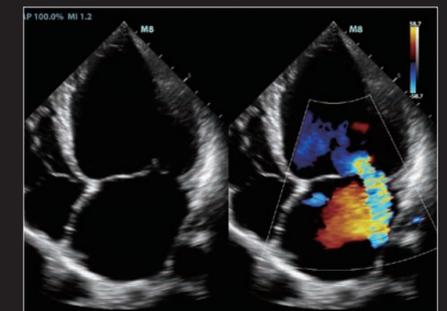
Testicular Cyst



CCA Plaque



Mitral Stenosis



Mitral Regurgitation