



# M8

Portable Ultrasound System

[www.mindrayuk.com](http://www.mindrayuk.com)

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# M8 Ultrasound System

To address the complicated and urgent clinical scenarios that occur during daily practice, there is a growing need for intelligent tools and premium performance throughout general imaging, echocardiography and point of care ultrasound.

With a focus on quick and precise diagnosis, the new Mindray M8 portable ultrasound system has been developed to provide exceptional performance, in an affordable and versatile package.



## Premium quality imaging

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

## Intelligent features

Rich in advanced features such as UWN+ Contrast Imaging, Natural Touch elastography and TDI, etc. for greater clinical confidence in complicated scenarios.

## An efficient workflow

Utilises automatic exam tools to achieve a streamlined workflow.

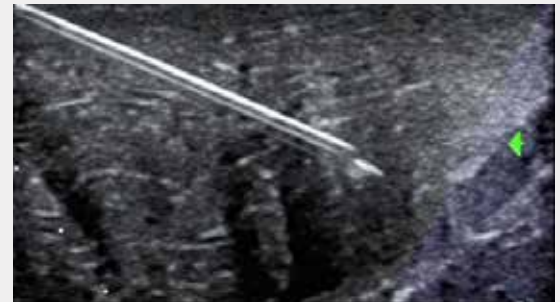
## Agile mobility

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

## Innovative needle visualisation

### iNeedle+™: Advanced needle visualisation

Intelligently detects needle angle changes during in-plane procedures and automatically adjusts to ensure maximum needle enhancement.



### Improved needle enhancement for puncture:

Delivers optimised needle display in nerve mode on linear transducers (L10-3s and L14-6Ns).

## Premium quality imaging

For fast and accurate diagnosis the M8 uses the powerful mQuadro platform with 3T Technology Transducers to produce premium-quality imaging.

## mQuadro platform

Mindray's compact ultrasound platform delivers powerful imaging by combining industry-leading hardware architecture with functionalities such as advanced transmission and reception, powerful parallel processing, and intelligent algorithms.



## 3T Technology transducers

3T technology-based transducers utilise Triple layers design, Total cut crystal and Thermal control materials to dramatically optimise the acoustic spectrum and reduce acoustic impedance, providing outstanding performance with exceptional image resolution and uniformity.



## Versatile applications

The M8's advanced clinical features provide solutions for a variety of scenarios, boosting clinical confidence for more accurate diagnosis.



## Critical care

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

## Emergency

With a seven-second boot up speed, rapid mobility and customisable keys, the M8 represents a fast and user-friendly partner in emergency situations. Offering reliable imaging for long periods on battery power the M8 does not sacrifice quality for superior portability.



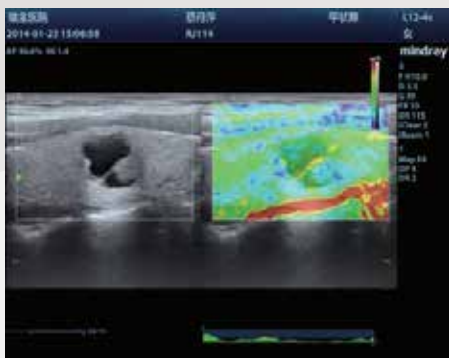
# Intelligent features



## UWN+ Contrast Imaging

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

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



## Natural Touch Elastography

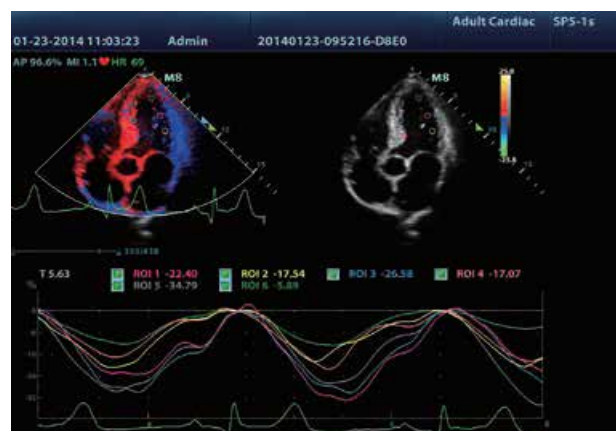
Natural touch elastography reduces dependence on the user, improving operator reproducibility for higher clinical utility.

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

# 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.



## Agile mobility

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

### Robust design

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

### Customisable trolley

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

### Green power

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

### Long lasting battery

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

### Ultra-fast response

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



## Efficient workflow tools

### Smart Tools

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

### Efficient Working Experience

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

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