

## DC-40

Diagnostic Ultrasound System

# Scanning with Exceptional Capability

**FullHD**



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

P/N:ENG-DC-40 Full HD-210285X8P-20181022

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healthcare within reach

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## Introduction of DC-40 with Full HD:

To deliver on the promise of quality health care within reach, Mindray keeps on introduces the progressive solution to you, who devote to contribute more for Primary Healthcare Service. As the most important friend of you, Ultrasound system deserve exceptional capability to improve your contribution.

With the comprehensive understanding of your improving mind, the brand-new DC-40 with Full HD is aimed to provide you with:

 Higher Imaging Definition

 Higher Ergonomic Design

 Higher Reliable Dependence



## Higher Imaging Definition

'Keep on innovating' is the motivation of Mindray, and powered by the Full HD display, classic imaging technologies, and optimized transducer family, DC-40 with Full HD provides you outstanding imaging clarity for wider range of clinical diagnosis.

### Classic imaging technologies: enhancing the quality for diagnosis

By the application of classic imaging technologies, which are migrated from established ultrasound systems, DC-40 with Full HD provides you with the enhancement on the quality of image detail.

- **iClear** (speckle-reduction imaging technology)
- **PSH** (Phase Shift Harmonic imaging)
- **iBeam**: spatial-compounding imaging technology

### Optimized transducers family: wide range of application coverage

With versatile transducers combination, DC-40 with Full HD offers the best balanced performance across a wide range of applications, and produces advanced image quality in a wide variety of patient types.

### ComboWave

ComboWave is a unique transducer technology for Linear. By the applying of a new type of composite piezoelectric material, DC-40 with Full HD obtains better acoustic spectrum and lower acoustic impedance, and produces better performance of linear transducers.

### Dual-Volume

Combining the convex volume, endocavity volume, and related application packages, DC-40 with Full HD introduces the "Dual-Volume" solution, which provides dedicated 4D women care from the prenatal exams to the pregnancy check.



### Urological solution

The specially-designed biplane transducers, including the linear/convex and dual micro-convex, support versatile urological solution for your mind-extension.



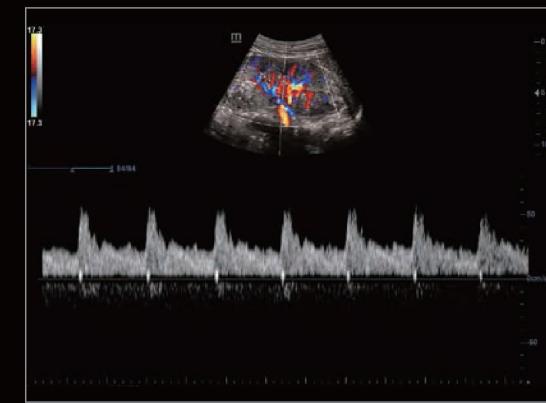
### One-Key exam mode switch

The recent exam modes are listed on the right side of touchscreen. You can change the frequently-used mode by a single keystroke to simplify the workflow for efficiency.

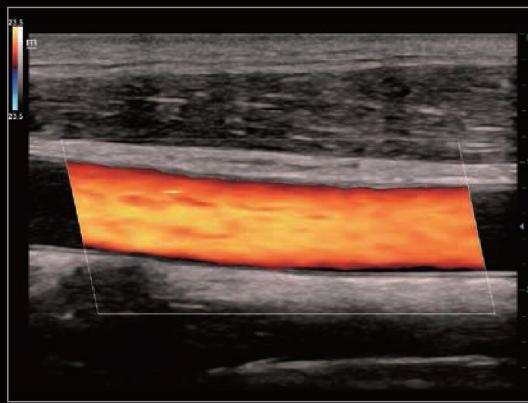




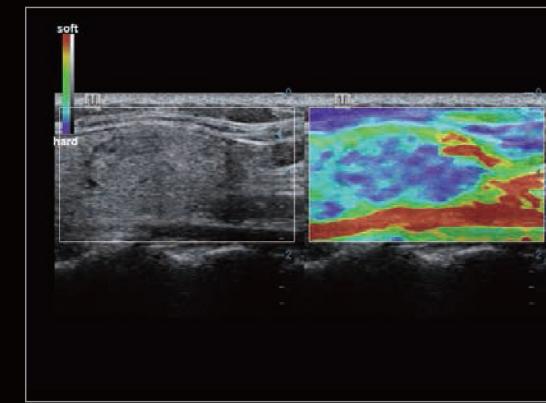
Normal Kidney, 2D



Kidney artery triplex



Carotid color



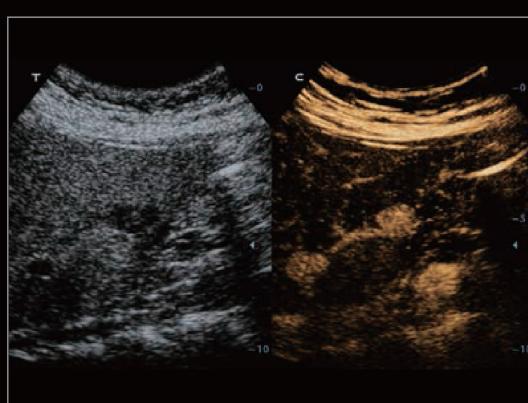
Natural touch elastography of thyroid mass



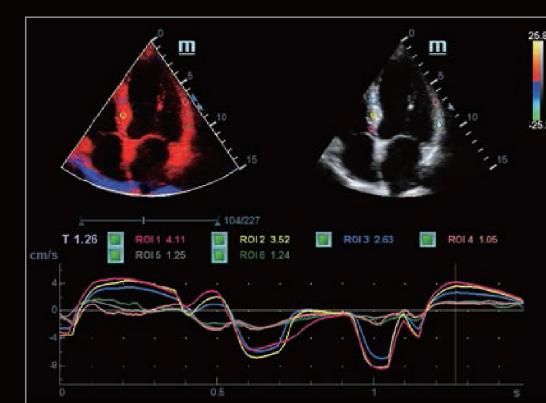
Fetal heart CFM



Fetal face iLive



UWN contrast imaging, liver tumor



TDI QA

## Higher Ergonomics Design

### Full range of application tools: accuracy guarantee with convenience

DC-40 with Full HD delivers a range of tools that maximize diagnostic accuracy with convenience. Covering General Imaging, OB/GYN and Cardiology, DC-40 with Full HD provides you with a complete solution for mainstream clinical applications, with simplified workflow for efficiency.

#### iTouch

iTouch is a one-button auto image optimization solution, which is able to optimize the imaging quality automatically, including in B/PW mode.



iTouch

#### Smart OB

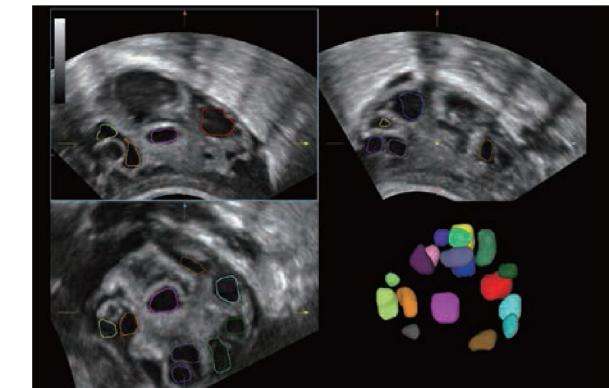
Smart OB provides accurate auto measurements for most frequently examined fetal parameters including BPD, OFD, HC, AC and FL.



Smart OB

#### Smart FLC

Smart FLC is a tool to automatically detect the number of follicles, and calculate the size of each follicle. It also provides a report with color marks for study.



Smart FLC

#### Smart Face

Smart Face provides fast and intelligent optimization for fetal face with one-touch operation. It immediately removes occlusions and eliminates noise information, generating an optimal view of the fetal face with more simplicity.

#### iLive

Integrating a ray-casting algorithm with a new virtual lighting modality, iLive generates an amazingly realistic view of the fetus with human skin-like images.

# Higher Reliable Dependence



For decades, Mindray cares about using intelligence to enhance the safety, accuracy and stability of its products, to ensure the satisfaction during your daily diagnosis.

## Guarantee of safety and stability:



### EMC (Electro Magnetic Compatibility)

By obtaining the CB Test Certificate (the certificate for EMC approval, Ref. Certif. No. FI-31332), DC-40 with Full HD reaches the highest anti-interference level assurance, which ensures the stability of its imaging quality.



### Class B (Power supply requirement)

The power supply level required by DC-40 with Full HD is Class B. It can work under not only hospital power supply condition (Class A), but city power supply condition (Class B), and it offers you more safety and compatibility when you operate DC-40 Full HD in any complicated environment.



### iPower (built-in battery)

Configured with a built-in battery, which has obtained the CB Test Certificate (the certification for battery reliability approval, Ref. Certif. No.SG PSB-BT-00022), DC-40 with Full HD supports scanning for more than 80 minutes without external power supply, which enhances the continuity of your daily work even when the power supply is poor, and ensures the mobility.



For value-range ultrasound diagnostic systems, it is more important to ensure high capability, reliability and ease-of-use through intelligent planning and customer-oriented consideration, instead of simply focusing on improving operation efficiency. This is the Mindray's unique attitude towards the development of value-range ultrasound systems.