

DC-40

Diagnostic Ultrasound System

Primary Care with Pure Crystal



Primary Care with Pure Crystal!

To deliver on the promise of quality health care within reach, Mindray always devote to contribute more for Primary Healthcare Service with creative action.

As an innovator, who keeps on providing the progressive solution to envision your improving mind, Mindray introduces the DC-40 Crystal to you with Pure Crystal Experience.



Why Single-Crystal is better

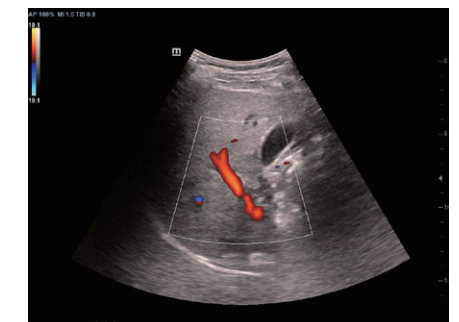
Based on the technical benefits of the material itself, the Single-Crystal solution provides a numbers of clinical advantages:

More clarity in far-field structure



ABD image in B mode

More organ details in 2D image when color mode is on



ABD image in B+Color mode

Easier and faster acquisition of images across all body types



Fetal Brain image of obese pregnant woman

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 Crystal 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 Crystal 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

ComboWave

ComboWave is a unique transducer technology for Linear. By the applying of a new type of composite piezoelectric material, DC-40 Crystal 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 Crystal introduces the “Dual-Volume” solution, which provides dedicated 4D women care from the prenatal exams to the pregnancy check.



Dual-Volume

Urological solution

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



Urological solution

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.



One-Key exam mode switch

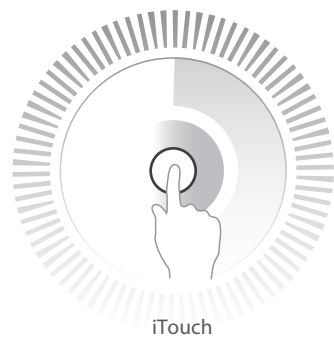
Higher Ergonomics Design

Full range of application tools: accuracy guarantee with convenience

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

iTouch

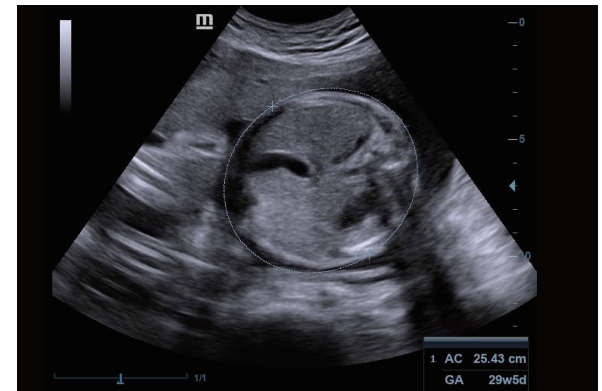
iTouch is a one-button auto image optimization solution, which is able to optimize the imaging quality automatically, including in B/PW mode.



iTouch

Smart OB

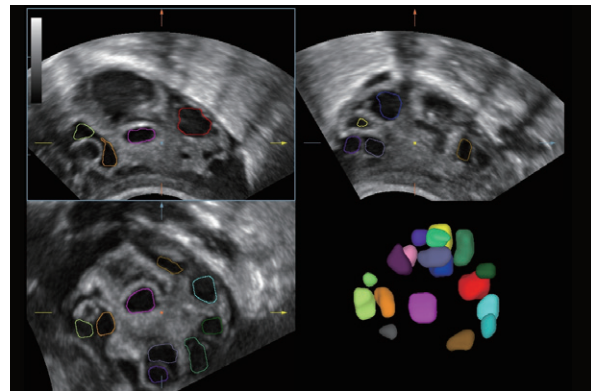
Smart OB provides accurate auto measurements for most frequently examined fetal parameters including BPD, OFD, HC, AC and FL.



Smart OB

Smart FLC

Smart FLC is a tool to automatically detect the number of follicles, and calculate the 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.

Ergonomic for ease-of-use



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 Crystal 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 Crystal 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 it 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 Crystal 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.