

With over 20 years of experience, Mindray hosts a wide range of ultrasound imaging solutions including cart-based and portable systems. Being exported to over 190 countries, Mindray ultrasound systems are today being used by medical professionals for general as well as highly dedicated clinical utility. With a global R&D base spanning over Asia, Europe and America, the ultrasound solutions by Mindray are a result of an integral cooperation with the medical community, allowing for the ultrasound systems to be extremely user centric in terms of performance and usability. Mindray is well positioned to become one of the leading ultrasound imaging solutions provider.



## DC-70

*Quality Exams at Your Fingertips*

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healthcare within reach

# System overview

Good image quality is prime for a promising ultrasound. DC-70 offers that and a lot more. Its unique touch gesture feature is designed to help improve workflow, provide you with ease and certainty, enabling you to put patient care first. The clarity, as a result of innovative transducer technology on DC-70, would help you detect abnormalities or small pathologies. Ease-of-use tools including a number of auto measurement packages, would help you reduce scan time, standardize exam protocols, enhance productivity with added patient focus.

## Innovative technology guarantees quality exams

Quality exams in terms of imaging and operation, is what sets the DC-70 apart. Incorporating an optimum balance of advanced technologies to provide you with quality imaging and easy operation, DC-70 would greatly enhance your experience of operating an ultrasound system for your daily clinical practice.

High performance probes powered by Mindray's unique 3T transducer and echo-enriched beamformer technology, coupled with imaging technologies including echo-boost, 2<sup>nd</sup> generation HR flow and highly user-centric operational techniques have allowed DC-70 to be a workhorse addressing challenges faced by you while scanning under pressure.

### 3T Transducer Technology™

Mindray's unique transducer technology to increase image bandwidth and transmission efficiency:

- Triple-matching layer design
- Total-cut design
- Thermal-control design

### Echo-enriched Beamformer

Benefit from utilization of the traditionally neglected echo of adjacent beams by the formation of one finer & stronger imaging beam, providing better 'out-of-focus' image resolution and deeper image penetration.

## Add smartness to your clinical practice

### Obstetrics & Gynecology

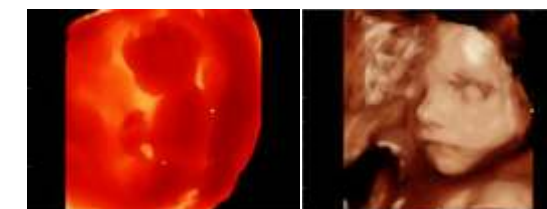
Busy practices and departments require ultrasound systems providing dedicated technology coupled with ease of use, flexibility and reliability, offering a comprehensive range of solutions for routine obstetric and gynecological exams. Equipped with rich features including iLive, SmartOB, SmartNT and iPage, DC-70 would provide you with timely access to quality ultrasound, essential in women's healthcare.

#### iLive™ Obtain a revolutionary realistic view of the fetus

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

#### Smart OB™ Enhance your productivity

Accurate auto measurements of most frequently examined parameters including BPD / HC / FL / AC / OFD on a single click.



14 Weeks Fetus with iLive

22 Weeks Fetus with iLive

## Radiology

You need quality images every time you scan, no matter where you are. Whether it's visualizing vessels that have multiple velocities or minute vessels in the kidney, Equipped with application specific dedicated solutions including 2<sup>nd</sup> generation HR Flow and natural touch elastography, DC-70 with its highly unique interface makes it easy for you to scan patients.

### 2<sup>nd</sup> Generation HR Flow™

High resolution flow for extraordinary spatial resolution of blood flow with accurate vessel profile and less overflows.

### Natural Touch Elastography

Based on Mindray's latest patented technology, Natural Touch Elastography reduces dependence on user's operation technique, improving operator's reproducibility for higher clinical utility.

- Higher stiffness sensitivity
- Good stability and reproducibility

## Cardiology

Besides hosting all the standard imaging tools for cardiology, DC-70 also provides advanced clinical capabilities such as Tissue Doppler Imaging with Quantitative Analysis, Strain/Strain Rate and Stress Echo for highly dedicated clinical utility.

### Echo Boost™

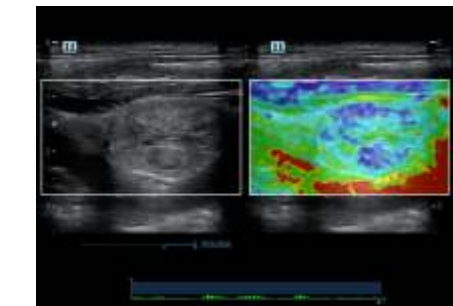
Unique signal processing technology with intelligent echo detection, Echo Boost is designed to utilize the native raw signals to enhance the weak echo signals while suppressing the surrounding clutter noise, providing you with a clearer chamber view enabling improved visualization of the myocardium tissue layers.

### TDI and QA with Strain/Strain Rate

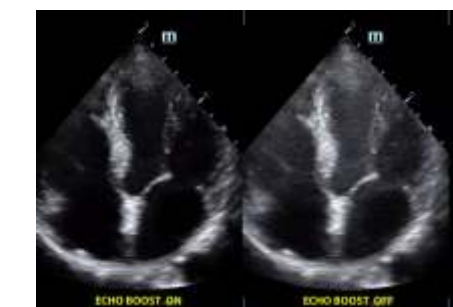
TDI functionality on DC-70 allows you to quantitatively evaluate regional myocardium movement and global myocardium function, providing complete TDI modes for faster and direct diagnoses.



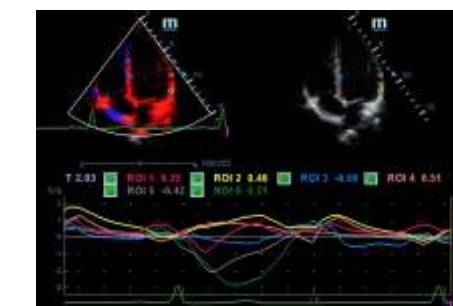
Kidney Perfusion with HR Flow



Thyroid Adenoma with Elastography



Echocardiography on Technical Difficult Patients



Strain Rate Based on TDI



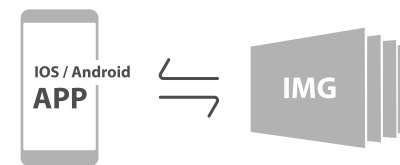
## Get more done faster

### Gesture Sensitive Touch Screen

The smart 10.4 inch motion sensitive touch screen lets you do more than you ever imagined. Be it scrolling through images, shifting the image to and from the monitor, zoom in/out, measure or starting specific user-defined functions with a defined hand motion, the DC-70 allows to get more done and much faster.

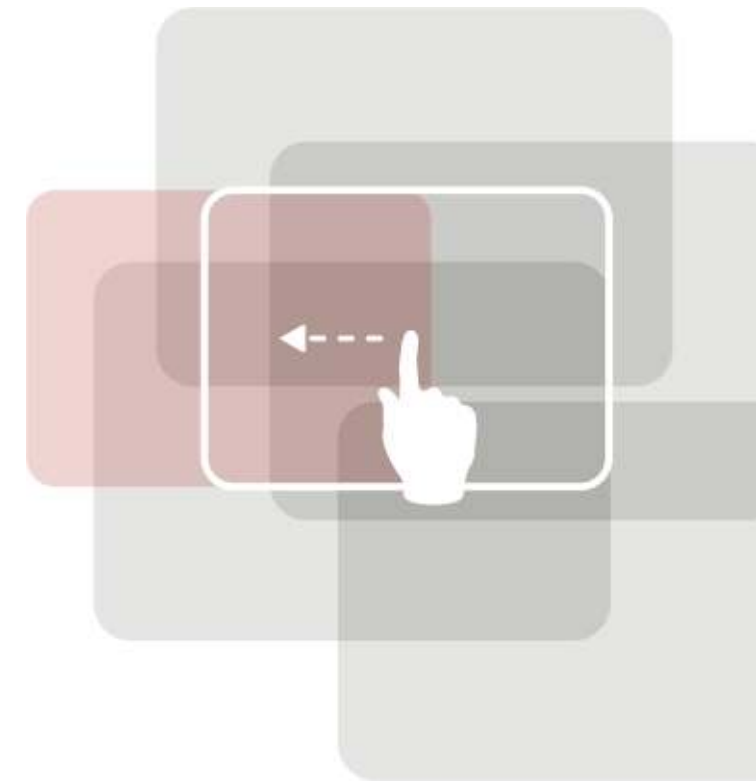
### MedSight™

DC-70 lets you transfer clinical images and cine to your IOS or android powered smart device via an interactive app. It could be for a to-be-mother wanting to share the images of the fetus with her family or friends, it could be a training session or a discussion with your peers on a rare case, with MedSight you can now take the clinical examinations with you wherever needed.



### iWorks™

Take advantage of the inbuilt standard scan protocols and reduce the exam time by up to 50%. The highly flexible and powerful feature is further enhanced with user-define capabilities.



### MedTouch™

Size and physical distance now is no longer an obstacle. With MedTouch, a one-stop solution provides you with a smarter way to control the ultrasound device, access patient data and inbuilt tutorial software via your android operated smart device.



### Auto Measure

Range of application specific auto measurement packages including Smart OB, Smart NT, Smart-V, Auto IMT, Auto LV and auto PW trace & calculation.

## Ergonomics





2 Views Single Gestation Sac Single CRL



Shunt Flow via Foramen Ovale



Pediatric Dilated Renal Pelvis



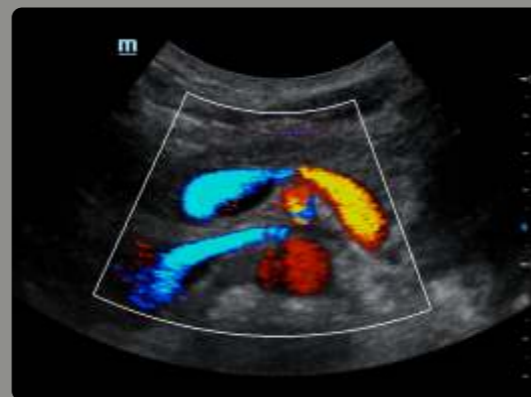
Kidney Perfusion with HR Flow



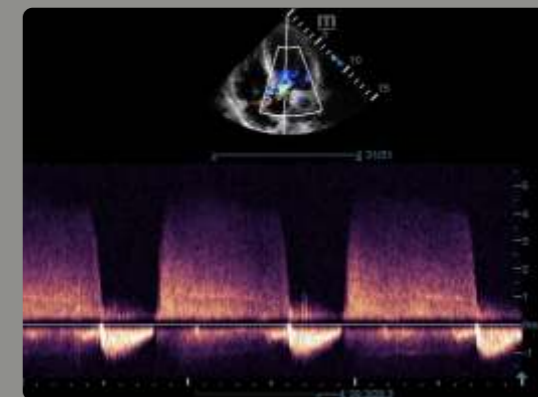
3D Fetal Mouth



Hydrocephalic



2D Pancreas & Vascular Flow



AR CW



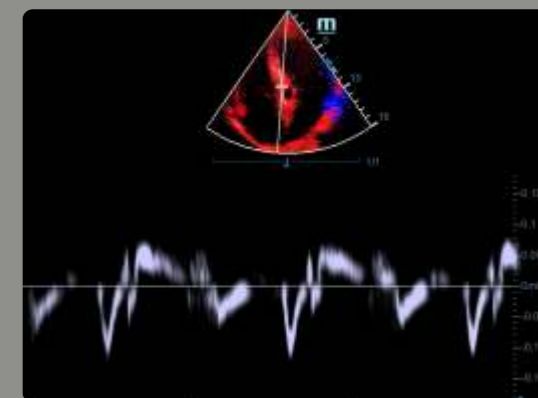
Umbilical Arteries



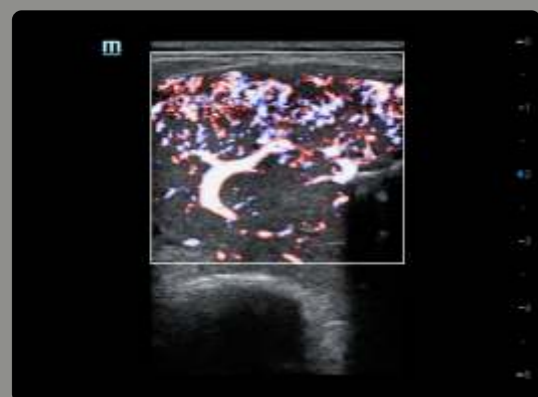
Neonatal Head Perfusion with HR Flow



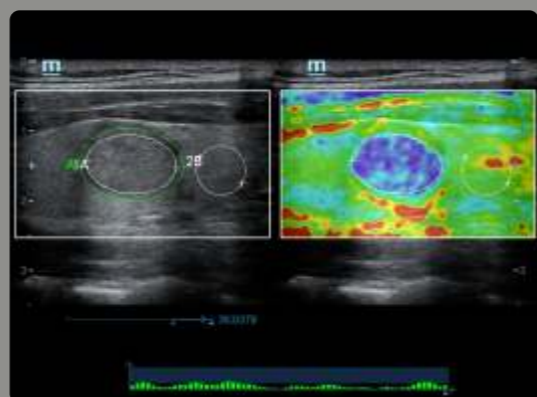
AV Regurgitation



TDI PW



High Resolution Color Flow Hyperthyroidism



Thyroid Nodule Elastography with Unique Shell Analysis



Auto IMT



Triplex CCA with PW Auto Trace and Calculation

PS	-137.37 cm/s
ED	-48.99 cm/s
TAMAX	-52.22 cm/s
TAMEAN	-38.46 cm/s
PI	1.69
RI	0.64
S/D	2.00
HR	66(f) Bpm

Rt CCA IMT 60° Far	
Max	0.581 mm
Min	0.361 mm
Mean	0.457 mm
SD	0.037 mm
ROI Length	10.0 mm
Measure Length	10.0 mm
Quality Index	0.96