

DC-N3  
Diagnostic Ultrasound System

DC-N3 is a portable, high-performance diagnostic ultrasound system designed for use in a variety of clinical settings. It features a large, high-resolution color display and a compact, lightweight design. The system is equipped with advanced imaging technologies, including B-mode, M-mode, and Doppler, providing accurate and reliable diagnostic results. It is also compatible with a wide range of ultrasound probes, allowing for versatile use in different medical specialties. The DC-N3 is a truly portable system, with a built-in battery and a carrying case, making it easy to transport and use in the field. It is a cost-effective solution for medical facilities looking to improve their diagnostic capabilities.

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Diagnostic Ultrasound System

Performance | Efficiency | Design



mindray  
healthcare within reach

# REDEFINING THE BASE

## DC-N3

DC-N3 is the answer for your requirements of high image quality, versatility and affordability. The best in class, DC-N3, is truly a redefinition of the base, providing you with much more than just an ordinary ultrasound imaging system. With the most competitive price in the industry, it's all about helping you raise your expectations.

DC-N3 is a fully featured color Doppler system that supports your needs for faster, more reliable and more accurate diagnostics. With the best in class performance, efficiency and design, you can be assured of an outstanding ultrasound experience. The DC-N3 system is designed for your convenience. With its compact, user friendly and ergonomic design, it can be moved, used and positioned as per your requirements limitlessly. The automation functions, data management system and built-in battery allow you to focus on your patients uninterrupted.

### System highlights:

- ✦ Exceptional image quality to enhance your diagnostic confidence
- ✦ Wide range of transducers to meet the requirements of different applications
- ✦ 4D capability with various rendering modes and iPage (multi-slice imaging)
- ✦ Auto IMT (Intima-Media Thickness) measurement, to deliver a reliable carotid analysis
- ✦ TDI (Tissue Doppler Imaging) and Free Xros CM for comprehensive cardiac diagnosis
- ✦ One-key automation functions and extended measurement packages for an efficient diagnostic workflow
- ✦ iPower, iRoam and full DICOM compatibility providing you with state of the art connectivity





# Performance



With premium level ultrasound capabilities, DC-N3 guarantees you high performance. Equipped with advanced technologies, such as spatial compounding imaging and phase shift harmonic imaging, DC-N3 is the unique system resetting the standards in its segment. Compatible with up to 10 transducers, it's ready to serve your varying diagnostic requirements.

## 4D Imaging

Imaging in 4D offers you more than just a picture. The DC-N3 delivers tools that help you take advantage of the full value of volume data. With rich rendering modes and iPage (multi-slice imaging), viewing the fetus structure including the face, ear, nose and lips is now much easier.

## Smart OB

With Smart OB function, you can measure fetal parameters automatically. The system will trace and calculate the BPD, OFD, HC, AC and FL after one click, providing you with higher efficiency during OB examination.

## Transducers

Besides the highest transducer variety, the DC-N3 also offers you the best transducer technologies.

- ✦ With a 192 high density elements lens, the L12-4 will meet your critical requirement for detail tissue information.
- ✦ The L14-6 has a maximum frequency range from 6MHz to 14MHz, assuring you a fantastic image in both near and far field.
- ✦ With Mindray's patent technologies, the mechanical 4D transducer will provide you with the best image quality in class.





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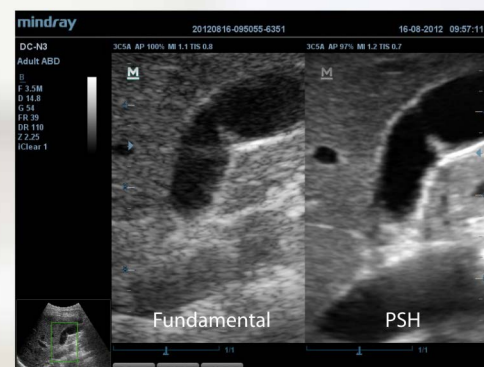
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## PSH

Phase Shift Harmonic imaging, commonly known as Purified Harmonic imaging, plays an important role in ultrasonic nonlinear imaging. The PSH technique enables the suppression of spectral leakage, producing less noise and therefore better contrast images.



## iClear / iBeam

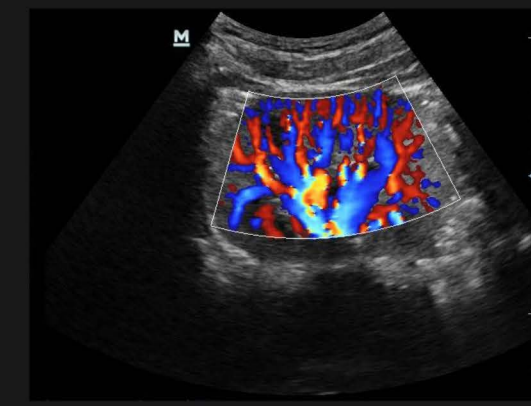
With iClear (speckle reduction imaging) technology, and iBeam (spatial compounding imaging) technology, you can reduce the image speckle noise, and acquire clearer and sharper lesion contours.

## TDI & Free Xros CM

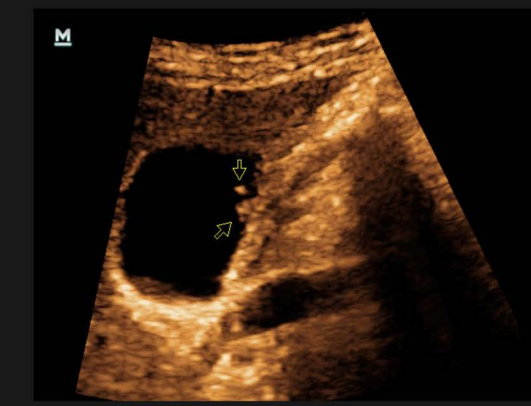
Equipped with premium level functions such as the TDI (Tissue Doppler Imaging), DC-N3 will provide you with an ultimate tool for your daily diagnosis. The TDI function is capable of supporting the Color, Power, M and PW modes, integrating well with the Free Xros CM (Curved Anatomic M mode). This provides you with quantitative evaluation of the myocardium motion and synchronicity.

## Auto IMT

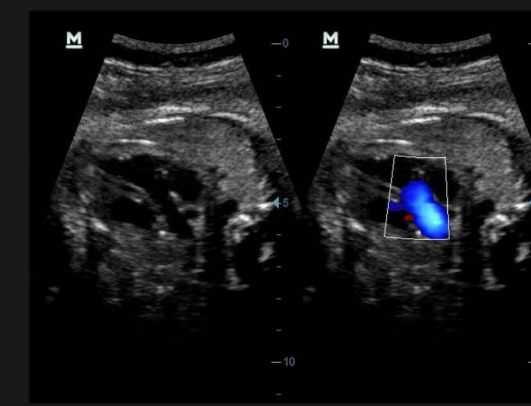
Auto IMT (Intima-Media Thickness) is used to automatically detect and calculate the thickness of carotid intima. With its comprehensive report, auto IMT will help you to evaluate carotid status accurately and efficiently.



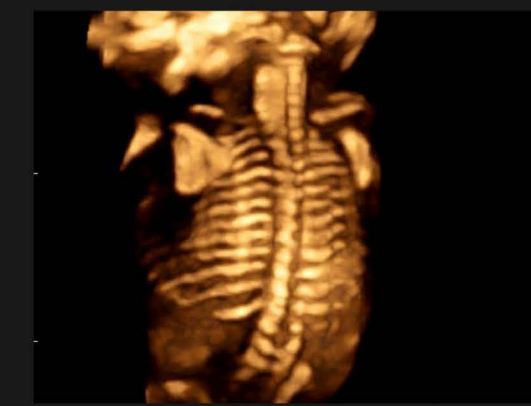
Kidney Perfusion



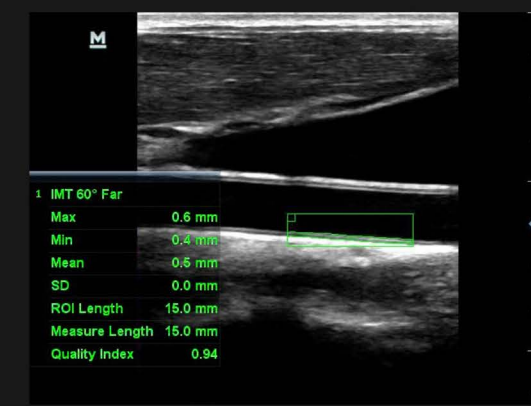
Polyp of Gallbladder



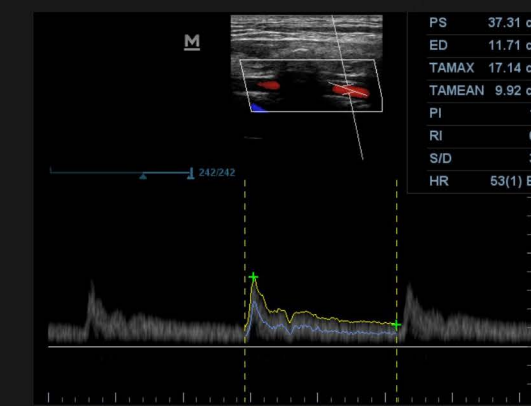
Fetal Aortic Flow



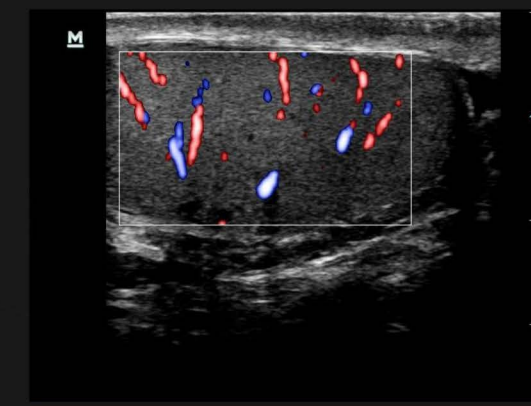
3D Fetal Spine



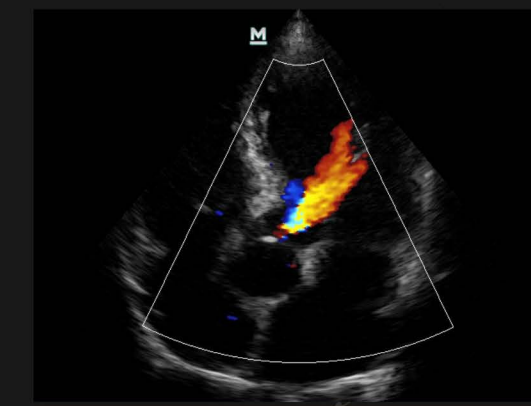
IMT of Carotid Artery



Vertebral Artery Flow



Testicle Flow



Aortic Regurgitation



### iTouch

Acquire instant image optimization in B, Color, and PW modes, with the intelligent one key iTouch function.

### iPower

Get one hour of continuous scanning with the high capacity built-in battery. Eliminate the risk of losing your scanning information during power outages.

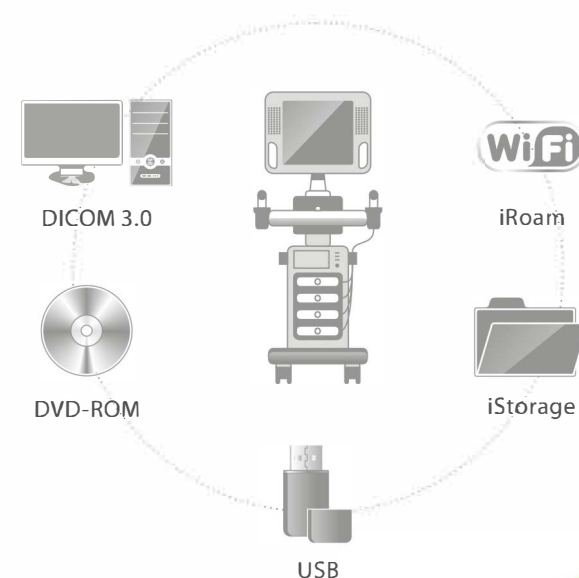
### Auto Measurement

Automatic measurement functions such as the Auto Doppler Trace and Auto LV offer you a fast scanning process, ensuring quality results.

### Data management



Review with iStation



With an intelligent workflow, the DC-N3 allows you to focus more on your patients while minimizing repetitive stress. Equipped with one-key automation functions, data management system and auto measurement functions for specific applications, it's all about maximizing your efficiency.

Efficiency

Design

With a smart, compact and highly adjustable shape, the DC-N3 is designed for your everyday requirements. Reliable and practical, the DC-N3 comes with no limits. With an innovative ergonomic design, it's all about maximizing your comfort.

