

## DC-N3 PRO

Diagnostic Ultrasound System

## Performance Efficiency Design



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# Redefining the Base

DC-N3 PRO is the answer for your requirements of high image quality, versatility and affordability. The best in class, DC-N3 PRO, is truly a redefinition of the base, providing you with much more than just an ordinary ultrasound imaging system.

With advanced features and the most competitive price in the industry, it's all about helping you raise your expectations.

DC-N3 PRO 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. With its compact, user friendly and ergonomic design, it can be moved, used and positioned as per your requirements limitlessly.

## System highlights:

- 4D capability with iLive (realistic rendering mode) and iPage (multi-slice imaging)
- Natural Touch Elastography evaluates tissue stiffness to help distinguish benign and malignant mass
- Auto IMT (Intima-Media Thickness) measurement, to deliver a reliable carotid analysis
- TDI (Tissue Doppler Imaging) and Free Xros CM for comprehensive cardiac diagnosis
- iPower (built-in battery) supporting real-time scanning
- iRoam (built-in wireless connector) and MedSight providing you with state of the art connectivity



## Performance

### Advanced Clinical Tools

#### 4D Imaging

Imaging in 4D offers you more than just a picture. The DC-N3 PRO 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.



Fetus with iLive

#### iLive™

(realistic 4D rendering imaging)

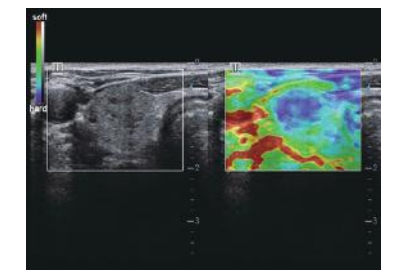
Integrating a ray-casting algorithm with a new virtual lighting modality, iLive generates amazingly realistic view of the fetus with human skin-like images.

#### 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.

#### Natural Touch Elastography

Based on Mindray's exclusive technology, Natural Touch Elastography reduces dependence on user operation technique, improving reproducibility for increased clinical utility.



Thyroid Nodule with Elastography

#### UWN Contrast Imaging

Mindray's unique contrast imaging technology, utilizing contrast agent characteristics with both 2nd harmonic and non-linear fundamental signal to get an improved S/N ratio for better diagnostic details and longer contrast agent duration for improved observation.

#### TDI & Free Xros CM

Equipped with premium level functions such as the TDI (Tissue Doppler Imaging), DC-N3 PRO 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.



Equipped with advanced technologies, such as spatial compounding imaging and phase shift harmonic imaging, the DC-N3 PRO is the unique system resetting the standards in its class. Compatible with up to 16 transducers, it's ready to serve your varying diagnostic requirements.

## Image Optimization Technology

### iClear

iClear speckle-reduction imaging technology reduces the image speckle noise and acquires clearer and sharper lesion contours.

### iBeam

iBeam spatial-compounding imaging technology permits use of multiple transmitting angles to form a single image, resulting in enhanced contrast resolution and improved visualization.

### PSH

Phase Shift Harmonic imaging (PSH), also known as purified harmonic imaging, plays an important role in reducing noise while preserving tissue definition and resolution.

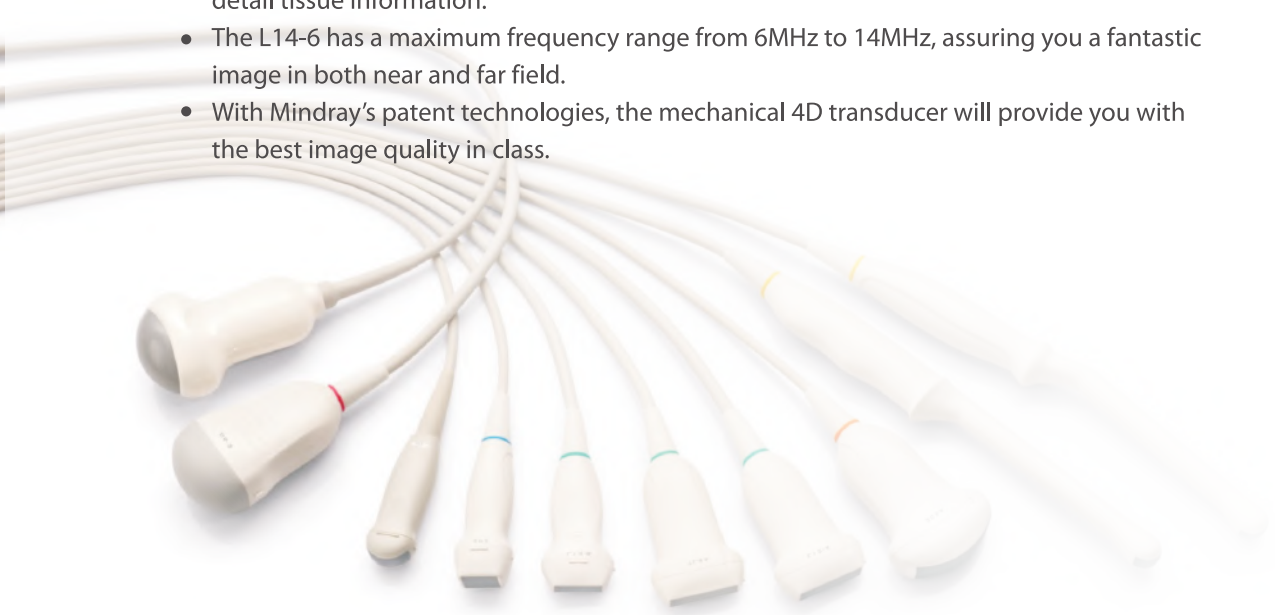


Gall Bladder without PSH      Gall Bladder with PSH

## Transducer Family

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

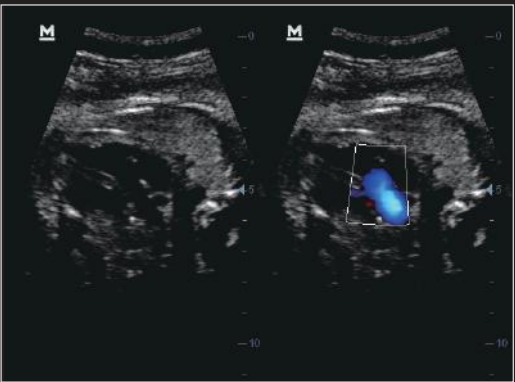
- With a 192 high density elements lens, the L12-4 will meet your critical requirement for detail tissue information.
- The L14-6 has a maximum frequency range from 6MHz to 14MHz, assuring you a fantastic image in both near and far field.
- With Mindray's patent technologies, the mechanical 4D transducer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



Kidney Perfusion



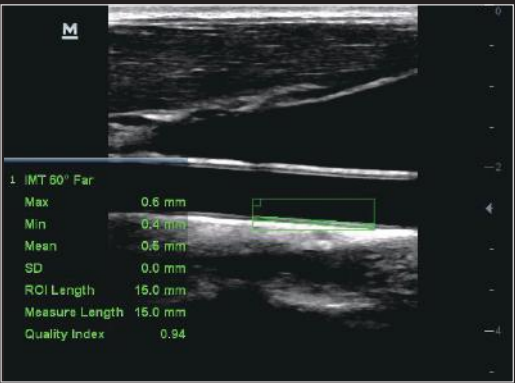
Polyp of Gallbladder



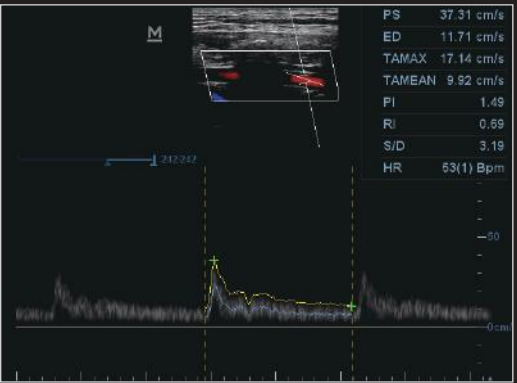
Fetal Aortic Flow



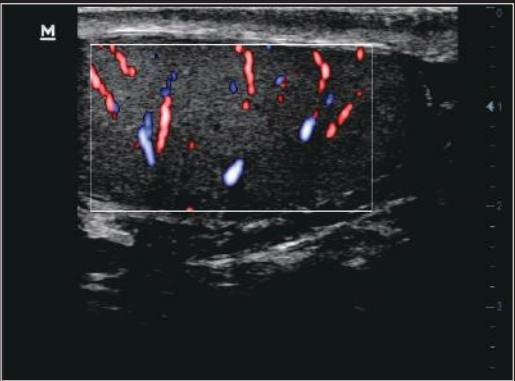
3D Fetal Face



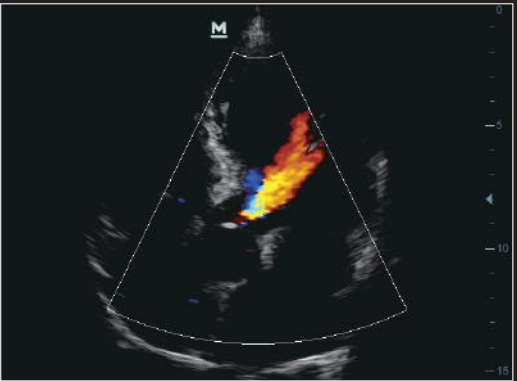
IMT of Carotid Artery



Vertebral Artery Flow



Testicle Flow



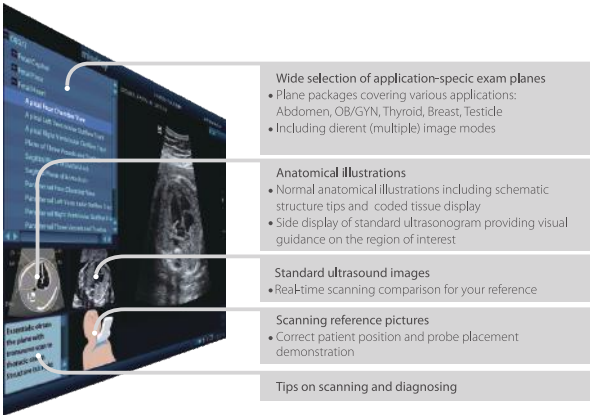
Aortic Regurgitation

# Efficiency

With an intelligent workflow, the DC-N3 PRO 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.

## iScanHelper (Inbuilt Tutorial Module)

With iScanHelper, practitioners can learn basic scanning knowledge with the operation technique, standard planes, and anatomical information.



## iTouch

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

## iPower

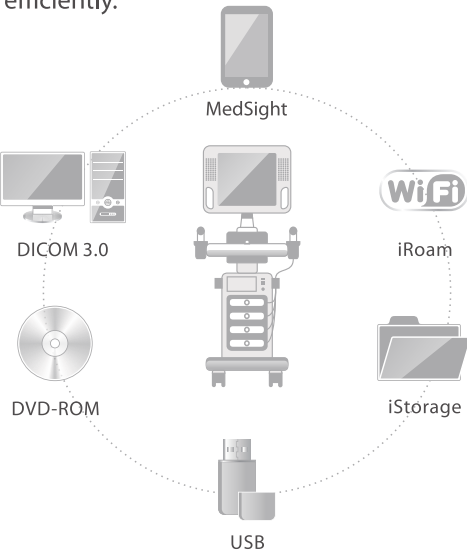
Get one hour of continuous scanning with the high capacity built-in battery. Eliminate the risk of losing your scanning information during power outages.

## Auto Measurement

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

## MedSight™ (Mobile device App for image transferring)

MedSight lets you transfer clinical images and cines to your smart device via an interactive app. This is ideal for a mother-to-be wanting to share the images of the fetus with her family or friends; or for 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.



# Design

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

