

Noblus

Advanced Versatile Ultrasound Scanner



ALOKA
illuminate the change

HITACHI
Inspire the Next



The ultimate in state-of-the-art functional versatility





State-of-the-art versatility for use

**In any clinical setting
For any examination**

Noblus

Advanced Versatile Ultrasound Scanner

Since their advent, today's ultrasound diagnostic scanners have progressed to become essential medical devices not only in examination rooms but in other various clinical settings. The Noblus ultrasonic diagnostic scanner features the ultimate in versatility and adaptability for many clinical applications. With its state-of-the-art functions and large user-friendly display, Noblus provides the reliability needed for any kind of examination in any setting.



Clear images and advanced functions provide reliable examinations, irrespective of clinical fields.

The Noblus has advanced features required in various clinical fields. It features Real-time Tissue Elastography * and Contrast Harmonic Imaging functions, which support detailed evaluations.

The Ultra BE (Ultrasound Broadband Engine) enables these functions. Its powerful transmission and reception capability is built in the compact-size Noblus with excellent performance.



Clear images and smooth examinations

Unchallenged examination-specific image quality is indispensable for high-quality diagnosis. The Ultra BE built in the Noblus is an ultrasound-specific digital signal processing circuit. It achieves advanced ultrasonic beam formation and image processing. This engine, found in higher class models, provides clear images. Easy-to-observe unchallenged examination-specific image quality allows smooth and precise examinations.



Ultra BE (Ultrasound Broadband Engine)

Digital Beam Former

Software Processing

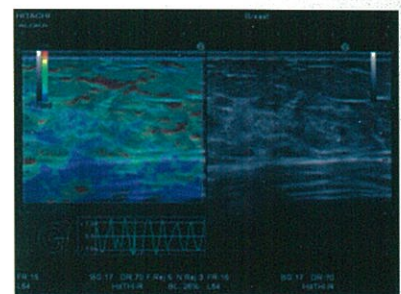
Real-time Tissue Elastography * : Offers stiffness information in real time from tissue distortions.

Contrast Harmonic Imaging * : Features the Alternate Mode, which displays normal B-mode images and contrast-enhanced images simultaneously, and facilitates understanding of anatomical positions of lesions.

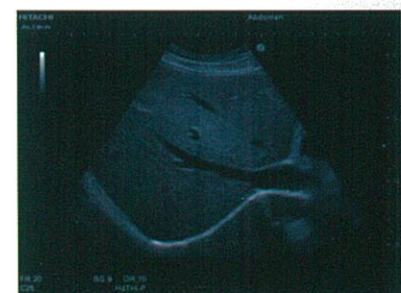
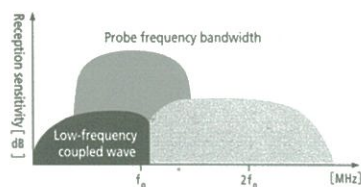
4D (Real-time 3D) * : Highly visible volume data is available with a light-weight and compact probe.

STIC (Spatio-temporal Image Correlation) * : Displays the fetal heart in 3D images reconstructed from volume data sets. Contributes to detailed evaluation of the fetal heart owing to observations in various sections.

CW Doppler * : Allows high-velocity blood flows to be observed and measured accurately.

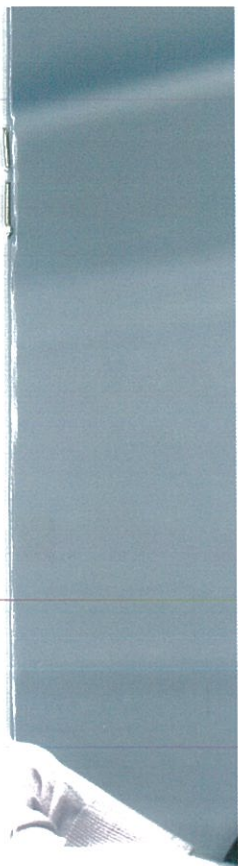


HdTHI : Expands harmonic signals in an ultimately wide bandwidth by our own broadband technology. Provides both high resolution and strong penetration.



HI REZ : Extracts structures and emphasizes tissues without reducing the frame rate owing to high-speed processing of the Ultra BE. Improves contrast resolution and S/N ratio and offers images more appropriate for observations.

HI Com : Transmits and receives ultrasound beams in real time and in various directions and superimposes images. HI Com is especially beneficial for improving the visibility of luminal structures.





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Hitachi Medical Corporation
Medical System Operations
Group, Kashiwa
has established and maintains
a quality management system
according to
ISO 9001, ISO 13485.



Hitachi Medical Corporation (Head Office,
Kashiwa, Osaka and Mobara works),
is certified as complying
with the International Environmental
Management System (ISO 14001).

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Specifications and physical appearance may be changed without prior notice for improvement of performance.

Be sure to read instruction manual for correct operation of the equipment.

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