



Noblus

Advanced Versatile Ultrasound Scanner



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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.

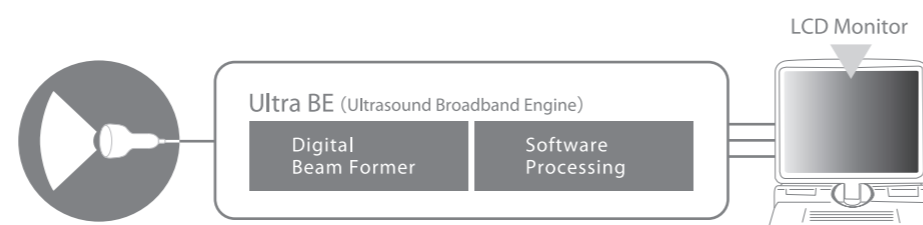
The Noblus has advanced features required in various clinical fields. It features Real-time Tissue Elastography * and Contrast Harmonic Imaging functions, which support detailed evaluations.

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.



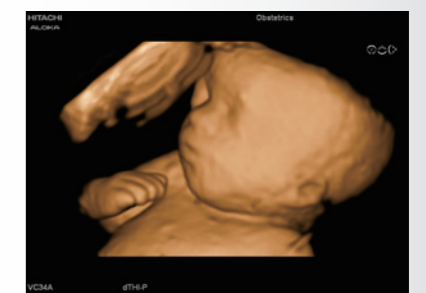
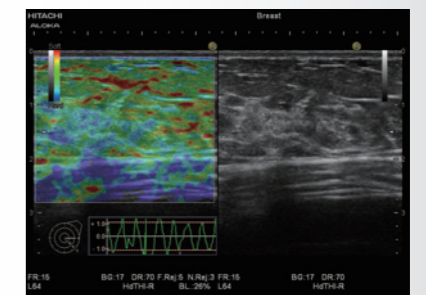
Real-time Tissue Elastography * : Offers stiffness information in real time from tissue distortions.

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.

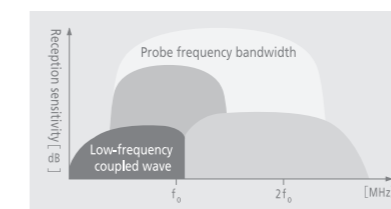
4D (Real-time 3D) * : Highly visible volume data is available with a light-weight and compact probe.

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.

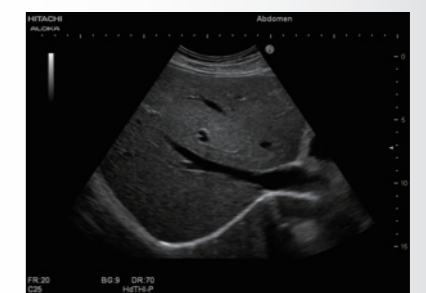


HdTHI : Expands harmonic signals in an ultimately wide bandwidth by our own broadband technology. Provides both high resolution and strong penetration.



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.



Flexibly fitting style of Noblus, irrespective of examination situations

The flexibility of the Noblus meets the needs in the optimum styles including hospital and private clinical environment during hospital ward rounds, bedside imaging, in hospital or private consultation rooms and other scenarios, on a desk and both normal standing and sitting examinations. Its monitor swings and tilts for convenience in examinations in various situations. The unique housing style with a flip up type operation panel allows desk work between examinations.

Smart Touch feature, which enables intuitive operation, wireless DICOM communication* and other functions powerfully enhance examination efficiency and support comfortable operation, regardless of examination situations.



The Smart Touch feature allows users to adjust imaging parameters on the lower part of the screen, focusing on the examination, without turning the eyes away from the screen.



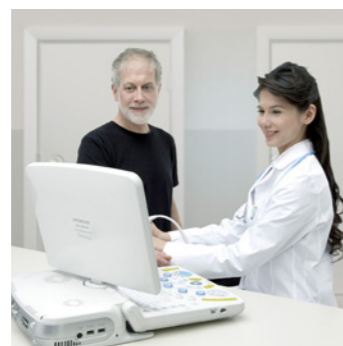
The monitor swings and tilts to adapt to the operator's comfort.

- Built-in battery** : Built-in battery offers superb portability without system shutdown between examinations.
- Probe add-on unit *** : Up to three active probes can be connected by installing this unit onto the cart *.
The probes of the traditional HI VISION series may be used for the Noblus.
- Height adjustment** : The height of the cart mounting base may be adjusted. Physical loads to the examiner may be reduced by changing the height according to the user's conditions.
- Wide leg space** : When used on the cart, the operation panel and monitor can be drawn closer for usability.

Various probes can be connected to the Noblus. The standard probes necessary for routine examinations, special-purpose probes used in operations and for trans-cavity examinations and other various probes are available.



* Optional



Smile Yellow, color of the sun

How can we make examinations friendlier for patients?
Our answer was "Smile Yellow". It was developed with the image of the sunlight, and was named for our hope to making people smile through our products.
With light wavelength similar to sunlight, Smile Yellow will maintain its bright and friendly color, regardless of the luminous environment. We took into consideration to provide patients with calm peace of mind for relaxed examinations.
"Smile Yellow" is the image color of the Hitachi Medical group for diagnostic imaging modalities.



Tests done in various lighting environments