Noblus

Advanced Versatile Ultrasound Scanner

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Noblus

Advanced Versatile Ultrasound Scanner

ALOKA
illuminate the change

HITACHI
Inspire the Next

Advanced versatility for use:

in many different clinical settings

for a wide variety of examinations

Noblus

Advanced Versatile Ultrasound Scanner

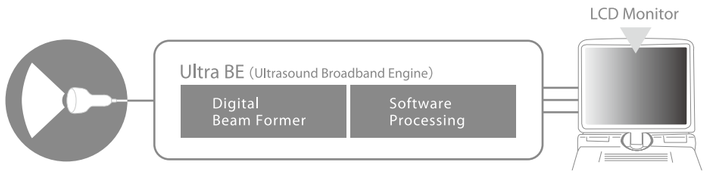
Ultrasound imaging plays an essential part in medical diagnosis throughout today's healthcare environment. The Noblus is a versatile diagnostic ultrasound platform that can be easily adapted to the workplace. With its premium features and large user-friendly display, Noblus provides the performance needed for a wide variety of clinical imaging irrespective of the exam location.

Image quality and advanced functions ensure premium performance whatever the clinical application.

The Noblus has premium features that can be exploited in many different clinical situations. Although compact in design, the Noblus incorporates the powerful transmission and reception capability of the Ultra BE (Ultrasound Broadband Engine), enabling functions such as Hitachi Real-time Tissue Elastography* (HI-RTE) and dynamic Contrast Harmonic Imaging* (dCHI), modalities that can offer increased diagnostic confidence.

Reliable performance for enhanced workflow

Unchallenged examination-specific image quality is essential for accurate diagnoses. The Ultra BE, an ultrasound-specific digital signal processor is at the core of the Noblus, achieving advanced beam formation and sophisticated image processing. Migrated from high-end HI VISION cart-based systems, this technology brings reliable diagnostic performance that will ensure a smooth workflow.



* Optional

Hitachi Real-time Tissue Elastography * (HI-RTE)
Measures and displays tissue stiffness in real-time.

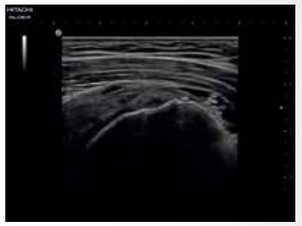
Contrast Harmonic Imaging * (dCHI)
Features the Alternate Mode, a simultaneous dual display of the fundamental B-mode and the contrast enhanced mode to facilitate anatomical correlation.

4D (real-time 3D) *
Utilises a lightweight, compact volume transducer to offer clear visualisation of the rendered data.

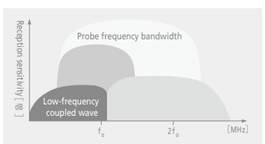
STIC (Spatio-temporal Image Correlation) *
Dynamic display of the fetal heart in multiple sections reconstructed from the volume data set permitting detailed evaluation.

CW Doppler *
Detects and displays high velocity blood flow allowing accurate measurement.


Liver and portal vein

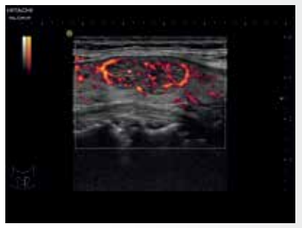

Rotator cuff tear

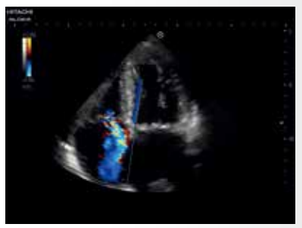
HdTHI
Using Hitachi's own broadband technology to increase the harmonic frequency bandwidth resulting in both high resolution and excellent penetration.



HI Rez+
Tissue adaptive filter that optimises contrast resolution, border enhancement and noise suppression without reducing frame rate.

HI Com
Real-time spatial compounding technology using multiple beams on transmit and receive that is especially beneficial for clarifying luminal structures.


Complex thyroid nodule


Tricuspid regurgitation

* Optional

Flexible style of the Noblus brings the clinical benefits of high-end diagnostic ultrasound into new areas of healthcare.

Its flexibility ensures that the Noblus will meet your needs in optimum style, whether in the hospital or private practice environment: bedside imaging, in outpatient or private consultation rooms, on a desk, used seated or standing. Its monitor swings and tilts, and the unique space-saving design allows the operating console to fold up , providing more desk space between exams.
The Smart Touch feature enables intuitive operation, wireless DICOM communication powerfully enhances your examination efficiency, irrespective of the location.

The Smart Touch feature allows parameter adjustment by direct touch of the screen, allowing you to maintain your focus on the ultrasound image.

The monitor swings and tilts reducing unnecessary stretching and strain on the examiner.

Built-in battery	Built-in battery offers superb portability without system shutdown between examinations.
Probe connector unit *	Up to three active transducers can be connected, including selected transducers from the HI VISION series.
Height adjustment	The height of the cart can be adjusted to comfortably accommodate seated or standing operation.

The Noblus is compatible with a wide range of transducers: standard transducers for routine examinations through to specialist transducers for interventional, intraoperative and endocavity examinations.

* Optional

Smile Yellow, colour of the sun

How can examinations be made more friendly for patients? Hitachi's answer is “Smile Yellow”. It was developed from the image of sunlight, with the aspiration that it will bring a smile to your patients' faces. With wavelengths similar to sunlight, Smile Yellow will maintain its bright and friendly colour, regardless of the ambient lighting, providing your patients with a calm, relaxing environment.

Smile Yellow is the colour chosen by the Hitachi Medical group for all their diagnostic imaging devices.

An example showing “Smile Yellow” colour used on the ECHELON OVAL 1.5T MR System