Hitachi Aloka Noblus Portable Ultrasound System Diagnostic Imaging Ultrasound Machine

Our Product Introduction

Basic Information

- Place of Origin: Japan
- Brand Name: Hitachi Aloka
- Minimum Order Quantity: 1pc
- Price: negotiable
- Packaging Details: carton
- Delivery Time: 3-5 days
- Payment Terms: T/T, Western Union
- Supply Ability: 10-30pcs/month

Product Specification

- Warranty: 60 Days
- Lead Time: 3-5 Working Days
- Service: Outright/Exchange
- Shipping Method: Express,or As Clients Required
- Highlight: **Hitachi Aloka Portable Ultrasound System**, **Diagnostic Imaging Portable Ultrasound System** , **Hitachi Aloka Noblus Portable Ultrasound System**

Our Product Introduction

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Product Description

Hitachi Aloka Noblus Ultrasound Machine Noblus portable Ultrasound system

Condition: good working condition
Warranty: 3 months
Lead time: 3-6 business days

Hitachi Noblus

The expertly designed Noblus represents a new class of sleek and powerful ultrasound systems bringing outstanding functionality wherever it is needed.

Deployed everywhere from Emergency Departments and Critical Care Units to Imaging Centers and Private Practice, Noblus provides an application-rich platform in a compact and maneuverable package.

Noblus Overview

Hitachi Healthcare pioneered ultrasound for use by cardiologists and we continue to lead the way with major innovations. Recognized for our outstanding image quality & Doppler performance, outstanding system reliability and advanced transducer technology, Hitachi Healthcare remains the standard in the field of ultrasound.

Hitachi Healthcare's commitment and dedication to cardiology and vascular ultrasound allows us to offer a wide range of consoles and specifically designed transducers to meet the needs of every user.

Our advanced technologies provide a unique and comprehensive evaluation for your patient's cardiovascular health:

- **LV eFLOW** is a non-invasive imaging feature that lets you see the endocardial border in the left ventricle with higher sensitivity and resolution than ever before.
- **2DTT** Provides precise quantification of strain and strain rate to visualize, quantify and analyze regional and global myocardial mechanics using 2D speckle tracking.
- **Auto IMT** Measurement is an easy and simple noninvasive tool to quickly assess the evaluation of the cardiovascular risk, at an early stage.
- **FAM** (Free Angular M-Mode) compares wall motion at multiple locations simultaneously.
- Extraordinary high-resolution digital imaging with single crystal transducers
- Speckle reduction and edge enhancement technologies providing clearly defined images
- Broadband harmonics offering significantly enhanced sensitivity and axial resolution
- Natural Ergonomics design for reduction of muscle loading while scanning

Noblus Image Technology

Clear images and advanced functions are what you have come to expect from Hitachi – Aloka. Our 60 years of experience and innovation continues with the Noblus platform.

- **Ultrasound Broadband Engine (Ultra BE)**– The most advanced broadband beam-forming technology combined with high speed image processing that allows for higher definition ultrasound imaging than ever before.
- **HI Definition Tissue Harmonic Imaging (HdTHi)**– Provides high quality imaging using an expanded range of harmonic signals. This technology results in excellent

image resolution and sensitivity and improved penetration.
● **HI REZ** - Clearly displays differences in tissues, reducing speckle noise while maintaining the frame rate. It can also display outlines more clearly by selectively emphasizing boundaries.
● **Spatial Compound Imaging (SCI)** – The ultrasound beam is transmitted and received in real time and in the multiple directions resulting in a reduction of speckle noise, suppression of artifacts, and improvement of contrast resolution allowing lesions to be clearly observed.
● **HI Support** – At the touch of a button the B-mode image is instantly optimized to the user's preference. This technology continually monitors the user's typical settings to optimally adjust the image when pressed resulting in less manual adjustments and more efficient examinations.
● **Single Crystal Probes** – A single crystal is used to provide the piezoelectric elements of the probe. Single crystal technology achieves higher sensitivity and wider bandwidths over standard piezoceramics.

Noblus Ergonomics

The importance of ergonomically designed ultrasound systems cannot be understated. We designed Noblus to minimize repetitive stress while maximizing flexibility across your hospital, imaging center and private practice.

● Adjustable cart height allows excellent ergonomic operation from a standing or sitting position.
● The swivel screen, integral Palm rest and widely spaced cart wheels allow the ultimate in operator comfort.
● The unique detachable housing with flip up panel allows examinations to be performed either on a counter or slim roll around cart.
● Smart touch feature allows you to adjust imaging parameters while keeping eyes on the screen.
● Newly designed probe connectors allow the operator to attach and detach with one hand.
● Probe add-on unit allows up to 3 probes to be connected, enabling easier switching.
● Cart has a built in battery and a space for mounting a printer. This offers superb portability and eliminates system shut down between exams.

Welcome to contact for more details!

Hitachi Noblus: Advanced Versatile Ultrasound Scanner

The Hitachi Noblus 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. The Noblus offers advanced functions that can be exploited in many different clinical situations.

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 the high-end HI VISION cart-based systems, this technology brings reliable diagnostic performance. That will ensure a smooth workflow. It's powerful transmission and reception capability enables functions. Such as Real-time Tissue Elastography (RTE) and dynamic Contrast Harmonic Imaging (dCHI), modalities that can offer increased diagnostic confidence.

The flexibility of the Noblus brings the clinical benefits of high-end diagnostic ultrasound into new areas of healthcare 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 exam location. An optional cart with adjustable height comfortably accommodates seated or standing operation. Houses the probe connector unit where up to three active transducers can be connected. Including selected transducers from the HI VISION series. The Noblus is compatible with a wide range of transducers: convex, linear and phased sector transducers for routine examinations through to specialist transducers for interventional, intraoperative and endocavity examinations.

Reliable performance for enhanced workflow

Using Hitachi's own broadband technology to increase the harmonic frequency bandwidth, the High definition dynamic Tissue Harmonic Imaging (HdTHI) mode gives you both high resolution and excellent penetration. The HI Rez+ tissue adaptive filter optimises contrast resolution, border enhancement and noise suppression without reducing frame rate, and the HI Com, real-time spatial compounding technology, that uses multiple beams on transmit and receive, is especially beneficial for clarifying luminal structures

Advanced modalities

The Noblus offers premium modalities that can be exploited in many different clinical situations. Although

compact in design, the powerful engine of the Noblus enables functions such as Real-time Tissue Elastography (RTE), dynamic Contrast Harmonic Imaging (dCHI), real-time 3D with STIC (Spatio-temporal Image Correlation) option and CW Doppler, features previously found only on larger cart-based systems.

Hitachi Noblus – Diagnostic Ultrasound System at Hitachi Official WebSite

Suggested Examination bed

Additional Information

Weight	9 kg
Dimensions	35 × 51.3 × 9-38 cm
Brand	Hitachi
Condition	New
Medical Specialty	Endocrinology, Obstetrics – Gynecology, Radiology
Basic Functions	Auto-optimizer, B steer, Compound, High definition dynamic Tissue Harmonic Imaging (HdTHI), High Resolution Imaging (HI REZ+), M mode, Oblique B-mode, RT Biplane, Tissue Harmonic Imaging (THI), Trapezoidal Scan
Colored	Color Flow Mode, Fine Flow
Doppler	CW Color Doppler, PW Color Doppler, Real-time Doppler Auto Trace
Obstetric Functions	4D Shading, Automated FS Measurement, Fetal 3D/4D, Freehand 3D, STIC
Cardiac Functions	ECG module, ODM (Omni Directional M-mode), Tissue Doppler Imaging (TDI)
Radiology Functions	Contrast Harmonic Imaging (CHI), Elastography (RTE), IMT (Intima-media thickness) Measurement, Strain Histogram, Strain/Strain Ratio, WideView
Type Of Examination 3D/4D	Gynecological 3D/4D, Obstetrics 3D/4D
Display Technology	LCD Monitor
Image Quality	High Definition (1024 x 768)
Screen Dimensions	15
Touch Panel	Part of basic monitor
Connectivity	DICOM, DVD External, DVI-D, Ethernet, USB 2.0, Wireless LAN
Printing	Ethernet Color Printer, Thermal B/W Printer, USB Color Printer
System Portability	Extra Wheeled Base, Portable
Battery	Lithium ion
Probe Ports	Electronic scanning probes: 1 active, Probe Extension Unit Optional

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