Hitachi Aloka Hi Vision Sector Array Ultrasound Probe EUP-S70

Our Product Introduction

Basic Information

- Place of Origin: Japan
- Brand Name: Hitachi Aloka
- Model Number: EUP-S70
- 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 Days
- Service: Outright
- Shipping Method: Express,or As Clients Required
- Highlight: **EUP-S70 sector array ultrasound probe**, **Hitachi Aloka sector array ultrasound probe**

Our Product Introduction

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Product Description

Hitachi Aloka Hi Vision sector array ultrasound probe EUP-S70

1. Model: EUP-S70
2. Application: Cardiology and Transcranial
3. Type: sector array
4. Frequency: 1.0-5.0 Mhz
5. Compatible system: Hitachi Aloka Hi Vision Avius,Preirus

More details welcome to contact with us!

Product Name	Ultrasound Probe/Ultrasound Transducer
Probe Model	Hitachi Aloka
Probe Type	Sector array
Central Frequency	1.0-5.0MHz
Compatible system	Hi Vision Avius,Hi Vision Preirus
Warranty	60 days
Delivery date	Within 1 week after getting payment
MOQ	1 Unit
Condition	original
Material	Metal and Plastic
Application	Cardiology and transcranial
Service	Used/new original sell

HITACHI ALOKA ARIETTA70

Revolutionizing Ultrasound: Hitachi Aloka ARIETTA 70 - Unmatched Imaging Excellence and Ergonomic Design

The Hitachi Aloka ARIETTA 70 ultrasound system elevates the clinical performance of diagnostic ultrasound systems to a level of excellence by focusing on the quality of individual ultrasound beams. Its advanced architecture, meticulously redesigned, is a commitment to producing the highest standard of "sound" in ultrasound diagnostics. Through clearly defined technologies, this system captures even the subtlest of changes, guiding medical professionals towards a rapid and accurate diagnosis.

Hitachi's **Crystal Multi-layered Technology** is a notable example, employing an original approach to layering piezoelectric elements. This allows for more efficient transmission and reception of ultrasound pulses, minimizing energy loss and enhancing both sensitivity and image clarity. Additionally, Front-end Technology is an essential component for achieving an **enhanced signal-to-noise ratio (S/N)**, integrating probe connector components to suppress unwanted noise.

The ARIETTA 70 system also stands out with the**Compound Pulse Wave Generator (CPWG+)**, which produces efficient transmission waveforms, resulting in exceptional sensitivity and resolution. With the Pixel Focus feature, the system can focus at the pixel level, providing improved precision and clear delineation of the region of interest.

The UltraBackend Plus is a vital component, fully software-oriented and high-speed, operating at the back end of the system. This technology enables powerful image processing, delivering images with extraordinary clarity, essential for precise diagnosis. And with **IPS-Pro (In-Plane Switching) Panel** Technology, the monitor offers a rich representation of the displayed image, with high contrast and a wide viewing angle, ensuring an immersive and informative visual experience for healthcare professionals. In summary, the Hitachi Aloka ARIETTA 70 is a revolutionary innovation that redefines the standards of excellence in ultrasound diagnostics.

In order to achieve high-quality diagnostic images across various clinical settings, the ARIETTA V70 incorporates features designed to reduce stress and enhance ease-of-use. Its detailed ergonomic design, meeting recommended industry standards, fosters a comfortable working environment for medical professionals. Notably, a significant weight reduction of 45% compared to previous models has been achieved, enhancing mobility, particularly with the adoption of large-sized casters.

Moreover, the system integrates two-way multi rotary encoders, enabling the adjustment of numerous functions through a single control mechanism. This innovation substantially reduces hand and arm movements during operation, promoting efficiency and minimizing physical strain. Additionally, the inclusion of a large palm rest at the center of the operating console offers optimal wrist support, further enhancing user comfort and ergonomics.

Furthermore, the ARIETTA V70 features adjustable panel height, which can be lowered to 70 cm. This facilitates safe and comfortable reach to the operating console, particularly beneficial for lower extremity examinations. By prioritizing ergonomic considerations and user-friendly design features, the ARIETTA V70 not only delivers superior imaging capabilities but also ensures a more comfortable and efficient workflow for healthcare professionals across diverse clinical environments.

The ARIETTA V70 ultrasound system boasts **high-resolution B-mode/Doppler Mode** capabilities, where Symphonic Technologies ensure a harmonized process from wave generation to image display. This integration results in images with reduced noise, superior penetration, and decreased patient-dependent variability.

Furthermore, the system incorporates **HdTHI (High-definition Tissue Harmonic Imaging)** technology, which broadens the frequency bandwidth of harmonic signals. This innovation shifts low-frequency coupled waves, previously underutilized for imaging, into the transducer bandwidth, thereby enhancing spatial resolution and deep area penetration.

Another notable feature is **HI REZ**, which conducts **spatial image processing tens of thousands of times per second** This process effectively reduces speckle noise, a common artifact in ultrasound images, while maintaining a high frame rate, resulting in clearer visualization of tissue structures.

The **eFLOW** technology, renowned for its high spatial resolution, accurately displays blood flow confined within vessel walls, even in fine vessels. This advancement significantly enhances diagnostic capabilities, particularly in vascular imaging.

Moreover, the ARIETTA V70 supports contrast-specific software for use with contrast agents across various acoustic pressures. This compatibility extends to transducers for abdominal, cardiac, and small parts imaging, offering improved sensitivity at depth compared to conventional methods.

The inclusion of **Inflow-time Mapping (ITM)** provides a colored parametric display of time to peak enhancement for each pixel, aiding in the differentiation of tissues based on contrast agent uptake speed. Additionally, Time Intensity Curves enable quantification and display of changes in contrast agent enhancement over time in selected regions of interest.

Real-time Tissue Elastography (RTE) is another standout feature, assessing tissue strain in real-time and presenting measured differences in tissue stiffness as a color map. Validated across various clinical fields, RTE is particularly useful for assessing conditions in the breast, thyroid gland, urinary structures, and can be applied with the abdominal convex transducer for evaluating diffuse liver/pancreatic diseases. In summary, the ARIETTA V70 offers a comprehensive suite of advanced imaging technologies, enhancing diagnostic accuracy and clinical outcomes across a wide range of medical specialties.

VOLKA MEDICAL TECH CO., LIMITED

+8619536805795 info@volka-medtech.com 3dultrasoundprobe.com

Office 5, 8/F, Mega Cube, 8 Wang Kwong Road, Kowloon Bay, KowLoon, Hong Kong