HITACHI
Inspire the Next

ARIETTA 70

NEXT GENERATION ULTRASOUND SYSTEM

Ultrasound System for Radiology

Ultrasound Solutions Clearly Defined™


HITACHI
Hitachi Healthcare Americas
ALOKA

ARIETTA 70

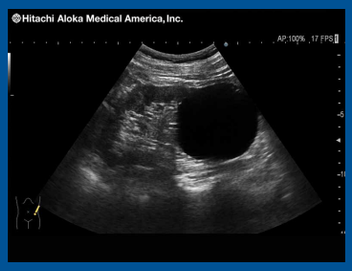
NEXT GENERATION ULTRASOUND SYSTEM

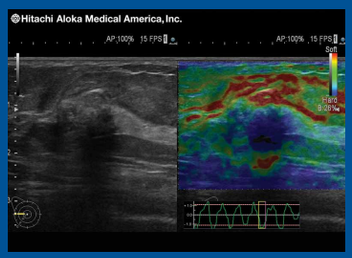
For Radiology

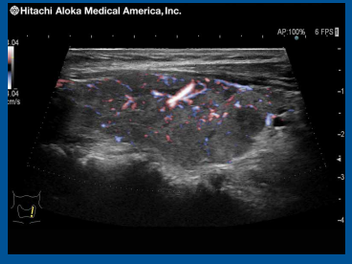
Driven by rapidly advancing imaging technology and the constant evolution of healthcare, ultrasound is asked to provide more than ever before. The Arietta 70 combines state-of-the-art features, unique probe designs, and a user-friendly interface into the definitive ultrasound solution for radiologists in any clinical setting.

Ultrasound technology has advanced in ways that was unimaginable a few decades ago. Having emerged from the historic union of Hitachi and Aloka with over a century of ultrasound experience combined, it is no surprise that Arietta 70 embodies this expansion of capabilities. Its precision hardware represents the latest in digital signal processing, enabling Hitachi Healthcare-pioneered capabilities like Real-time Tissue Elastography and Real-time Virtual Sonography.

STATE-OF-THE-ART DIGITAL ARCHITECTURE AND ADVANCED IMAGING FEATURES TO REDEFINE THE CAPABILITIES OF ULTRASOUND

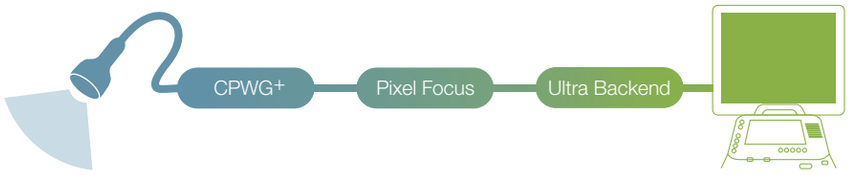






Symphonic Technology

Whether its source is a world class orchestra or advanced medical equipment, recording sound is an art form. It requires precision instrumentation to capture the most subtle details without introducing noise in the process. Arietta 70's Symphonic Technology optimizes data fidelity along the entire signal handling chain, from transducer to display monitor.



IPS-Pro

- **Multi-layered Crystal -** Using multiple layers of crystal within each element, Hitachi Healthcare's probes minimize signal attenuation during transmit and receive to increase penetration.
- **Compound Pulse Wave Generator -** CPWG+ is a unique transmission technology that allows Arietta70 to generate pulses closer than ever before to the ideal theoretical waveform. As a result, the heat generation during electro-acoustical conversion is minimized. This allows the use of stronger pulses to improve penetration, contrast and spatial resolution, and signal-to-noise ratio.
- **Pixel Focusing -** Arietta 70 dynamically focuses at the pixel level improving resolution and image uniformity.
- **Ultra Backend -** The high-speed digital computing of the Ultra Backend fuels the various real-time image processing features of Arietta 70 and delivers rapid system response.
- **IPS-Pro Display Monitor -** Developed initially by Hitachi Displays, Ltd., In-Plane Switching (IPS) was the first LCD technology to improve viewing-angle limitations. The Arietta 70's IPS-Pro display doubles the half-contrast viewing angle of these displays while also improving contrast, black levels, and switching speed.

Real-time Tissue Elastography (RTE)

Real-time Elastography creates color images depicting relative tissue stiffness. Arietta 70 supports this function on a variety of curved, linear, and endocavity probes.

Real-time Virtual Sonography (RVS)

RVS merges real-time ultrasound with previously acquired CT, MR, PET, or ultrasound images. It allows a direct comparison of lesions, taking advantage of the strengths of each imaging modality.

Directional *e*FLOW (D-eFLOW)

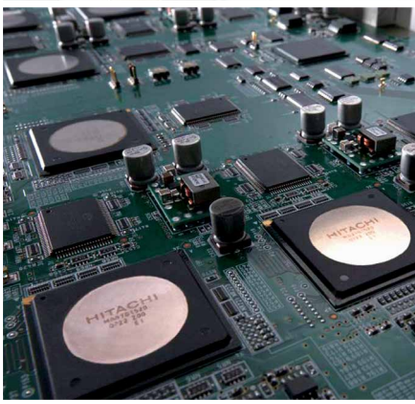
D-*e*FLOW is a high-definition blood-flow imaging mode that combines the directional information and image stability of traditional color flow imaging with the high sensitivity and resolution of power Doppler. The resulting images provide exceptional detail of even the smallest vessels.

FLEXIBILITY

Ultrasound Solutions Clearly Defined™

Utility and Efficiency

A SYSTEM DEFINED BY THE NEEDS OF TODAY'S IMAGING PROVIDERS



High-resolution imaging and advanced acquisition techniques are the foundation of a radiology-class ultrasound system, but they are no longer enough. The Arietta 70 combines exceptional image quality with streamlined workflow, proven ergonomics, and outstanding reliability. It also supports a comprehensive set of general-purpose and specialty probes, allowing a single system to be used more efficiently. This makes Arietta 70 uniquely suited to meet the challenges of today's radiology departments.

ERGONOMICALLY DESIGNED TO MAXIMIZE FUNCTION AND FLEXIBILITY

The ever-evolving healthcare industry demands efficiency in all aspects of patient care. In ultrasound, exceptional image quality without equally exceptional workflow and ergonomics is unacceptable. That is why the Arietta 70 was designed to provide maximum scanning comfort, user efficiency, and portability. From its compact footprint to its intuitive, time-saving user interface, the Arietta 70 was engineered for the increasing workloads of today's busy Radiology environments.

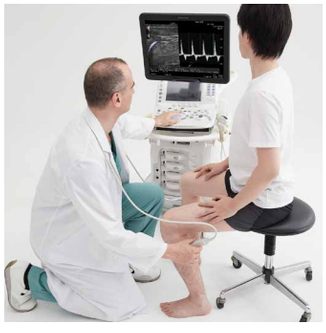
Arietta 70 Ergonomics
Arietta 70's ergonomics address every point of interaction between the ultrasound and Sonographer. In addition to its moveable control panel, adjustable monitor, and portable frame, the Arietta supports a set of lightweight, ergonomically-contoured probes to reduce the stress exerted on the Sonographer's arm and hand.

45% Lighter
The Arietta 70 is 45% lighter than our previous premium class systems, making it easier to move from room to room or between floors.

User-friendly Operation Panel
Two-way multi-rotary encoders enable the adjustment of multiple functions using a single control, significantly reducing repetitive motions. The large palm rest at the center of the operating console is designed to give optimum wrist support.

Adjustable Panel Height
The panel height can be lowered to 70 cm, allowing the operator to perform lower extremity examinations with the control panel comfortably within reach.



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For Radiology

Innovating Healthcare, Embracing the Future

For a society where all can enjoy a secure, safe, healthy way of life, Hitachi delivers innovation for implementing healthcare services tailored to individuals.

Ultrasound Solutions Clearly Defined™

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