



## ARIETTA 650 DeepInsight

●ARIETTA, DeepInsight, eFocusing, Carving Imaging, Real-time Tissue Elastography, and 4Dshading are registered trademarks or trademarks of FUJIFILM Healthcare Corporation in Japan and other countries. ●ARIETTA 650 DeepInsight is one of the ARIETTA 650 series. ●Specifications and appearance may be subject to change for improvement without notice. ●For proper use of the system, be sure to read the operating manual prior to placing it into service. ●This is translated literally from the Japanese brochure. AI was used in the development process and it is described based on the Japanese regulation. ●This product may not be available in some countries/territories. Please contact Fujifilm Healthcare representative for details. ●Fujifilm has been developing AI technologies that can be used for medical image diagnosis support, medical workflow support, and maintenance services for medical equipment, and is developing technologies that can be used in these areas under the brand name "REILI".

Sense and  
Visualize  
Ultrasound



Routine ultrasound examinations will change. Exceeding expectations in image quality and operability.

Advanced "DeepInsight" technology has been incorporated into a compact form. High quality imaging can be achieved anywhere, any time. Our goal is a "new standard" of imaging confidence in ultramobile ultrasound examinations. The ARIETTA 650 DeepInsight delivers this "new standard".



## Redefining the way we see

Fujifilm Healthcare's vision for the future of ultrasound imaging is "DeepInsight".

Fujifilm Healthcare has integrated an array of technologies meeting the ever-increasing demands for precision in image quality, efficiency in examination and accuracy in diagnosis.

Fujifilm Healthcare believes that innovation within 5 essential elements is required to achieve optimal ultrasound imaging.

These are encompassed by "DeepInsight".

# ARIETTA 650 DeepInsight

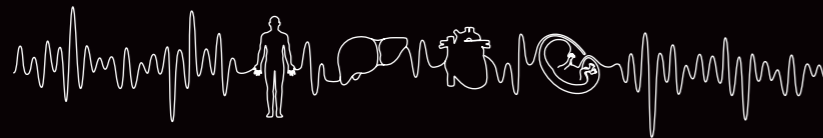


# Sense and Visualize Ultrasound

## ARIETTA 650 DeepInsight Incorporates Three Imaging Technologies

DeepInsight, which is a new noise reduction technology, eFocusing LITE and Carving Imaging.

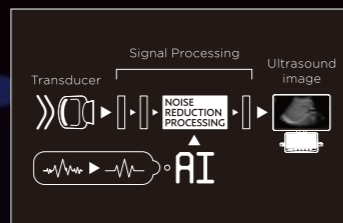
The combination of these technologies enhances the signal from the tissues and delivers higher image quality with far less examiner dependency.



### DeepInsight Technology



DeepInsight technology, which utilizes AI technology\* for image enhancement, extracts only the necessary information from a vast amount of data, delivering clearer representations of fine and complex tissue structures that could, until now, have been masked by noise. A more natural representation of the tissue structure is achieved.



### eFocusing LITE

The full focus function provides homogenous image quality and improves sensitivity.

### Carving Imaging

Images with "Clearer Demarcation" are produced by our advanced image processing technology that enhances tissue structure. Delivering stable imaging with less patient dependency.



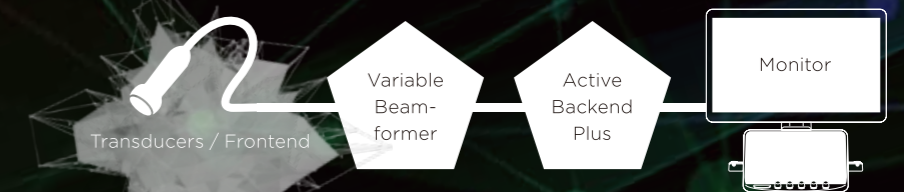
## ARIETTA 650 DeepInsight



## PURE IMAGE

Further refinement of technologies harnessing high quality "sound" improving image clarity on a compact system.

### Pure Symphonic Architecture



## SEAMLESS WORKFLOW

Designed with sophisticated ergonomics and multiple new tools that streamline your workflow.

## YOUR APPLICATION

An extensive variety of unique applications that deliver new clinical value are accessible across all specialties.





# PURE IMAGE



[ Breast : High-Frequency Linear Transducer ]



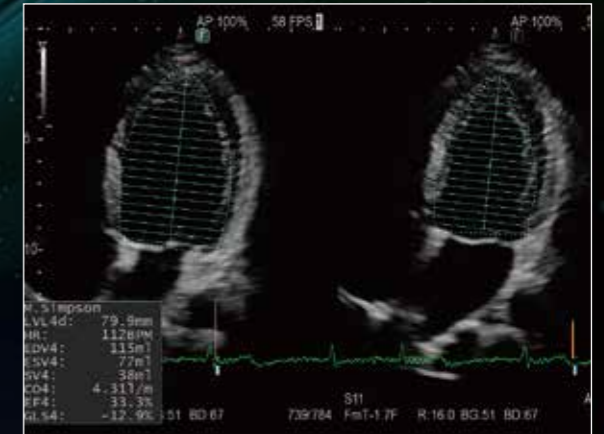
[ Gallbladder : Microconvex Transducer ]

# SEAMLESS WORKFLOW



[ Protocol Assistant ] \*1

Pre-existing examination protocols and imaging conditions can be programmed. Button operations can be reduced significantly to support efficient examinations. Additionally, a reference image can be displayed via the Guide View function. This function simplifies the examination pathways and can also be used as an education tool.



[ Cardiac Function ] \*1

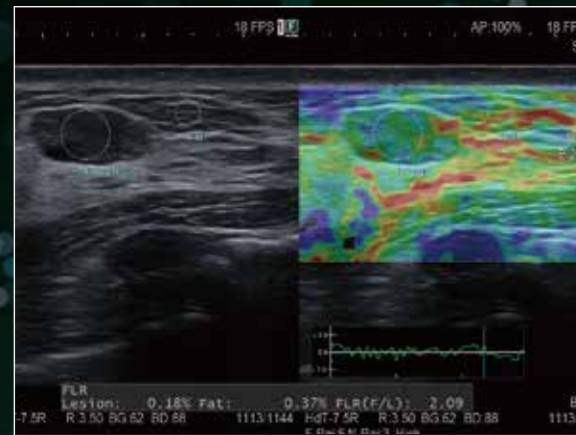


Supports the automated measurements which are effective for cardiovascular examinations using AI technology\*. Users can perform examinations smoothly and efficiently.

- Automatic endocardial tracing such as Simpson measurement
- Automatic Doppler sample gate adjustment



# YOUR APPLICATION



[ Real-time Tissue Elastography (RTE) ] \*1

Assesses tissue strain in real time and displays the measured differences in tissue stiffness as a color map. Its application has been validated in a wide variety of clinical fields: for the breast, thyroid gland and urinary structures. Using the abdominal convex transducer, it can also provide an estimation of liver fibrosis staging in patients with hepatitis C (LF Index) \*1.



[ Shear Wave Measurement (SWM) / Attenuation (ATT) Measurement ] \*1

It is possible to evaluate tissue stiffness by generating shear waves and measuring Vs, its propagation velocity in the tissue. An index to estimate the degree of hepatic adipogenesis (ATT) can also be measured at the same time.

