



ARIETTA 650

DeepInsight

GENERAL IMAGING

redefining the way we see

FUJIFILM
Value from Innovation

DeepInsight – Redefining the way we see

The Fujifilm ARIETTA 650 DeepInsight premium ultrasound system combines our advanced Variable Beamformer with DeepInsight cognitive technology, powering improved clarity at depth, and making it easier to visualize structures even in a difficult body habitus. A variety of efficiency tools based on automated image analysis and protocol-based operation accelerate the scanning process, automatically performing routine actions so the Sonographer does not have to.

EMI Suppression

DeepInsight uses cognitive technology to reduce a challenging source of ultrasound image noise, environmental electromagnetic interference (EMI). DeepInsight is able to identify EMI and selectively remove it from the received signal resulting in a 50% reduction in electronic noise.

eFocusing Lite

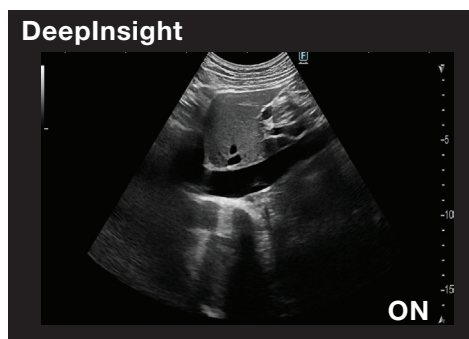
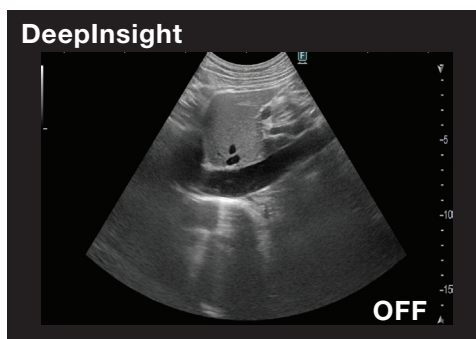
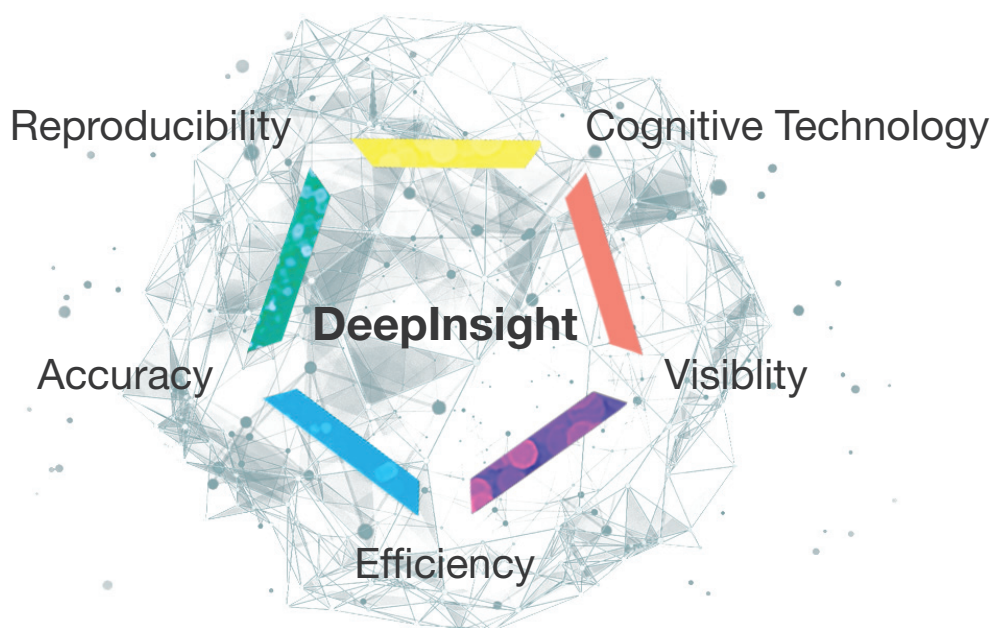
eFocusing Lite technology simplifies imaging by eliminating the need to manually set and adjust focal zones. This full-focus functionality ensures consistent image quality while enhancing sensitivity, all without compromising frame rate performance.

Shear Wave Elastography (SWE)

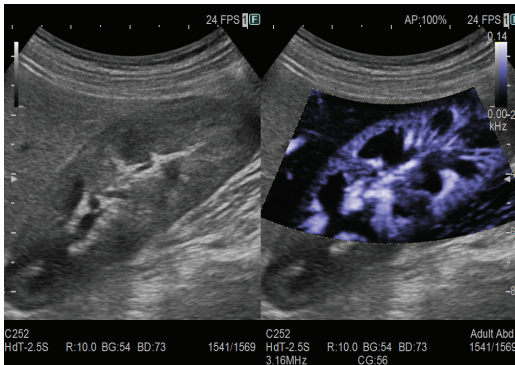
SWE enables quantitative measurements of tissue stiffness along with a representative color map. It displays tissue stiffness by mapping the variable speed of shear waves through a region-of-interest.

iATT Measurement

Performed simultaneously with a Shear Wave Measurement, the iATT measurement provides an index relating to the presence of hepatic fat to non-invasively assess and track the progression of liver steatosis.

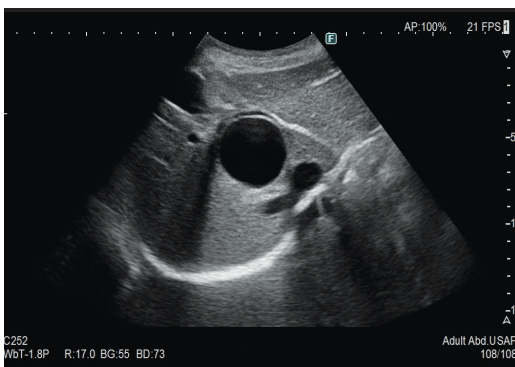


State-of-the-art digital architecture and advanced imaging features redefine the capabilities of ultrasound



Detective Flow Imaging (DFI)

DFI is an imaging technology for visualization of low-velocity blood flow. DFI is able to depict vascular details to easily obtain accurate diagnosis. The unique algorithm displays fine blood flow with greater resolution and sensitivity.



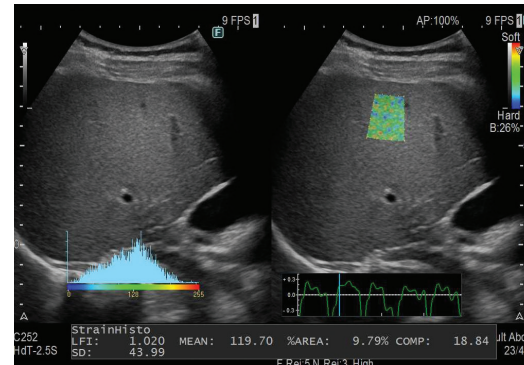
Carving Imaging

By performing a realtime analysis and refinement of the raw receive signal, Carving Imaging produces stable images with excellent contrast resolution, allowing better visualization of borders and echotexture.



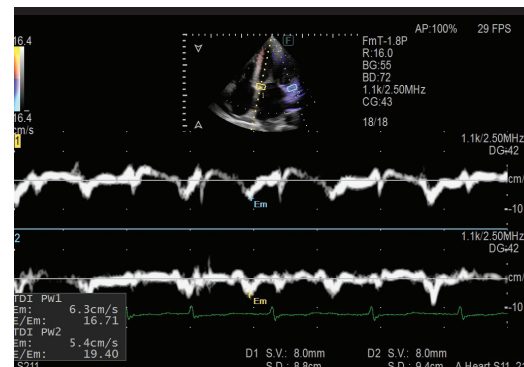
Wide FOVs

The 650DI enables general abdominal scans with up to a 150° field-of-view without any loss of frame rate, allowing clinicians to better appreciate the relationship between structures.



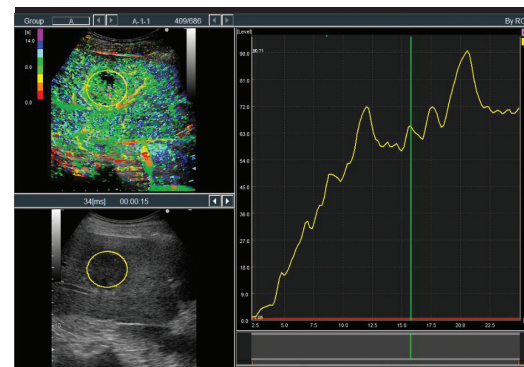
Realtime Tissue Elastography (RTE)

RTE provides a quick, high-resolution depiction of tissue stiffness. Acquisition and interpretation are streamlined by its no-compression technique and the automated analysis provided by Strain Assist.



Dual Gate Doppler

Enables observation of PW Doppler and TDI waveforms from two separate locations during the same cardiac cycle. A fast and effective tool in evaluating diastology, dysynchrony, and hemodynamic changes while eliminating beat-to-beat variation.



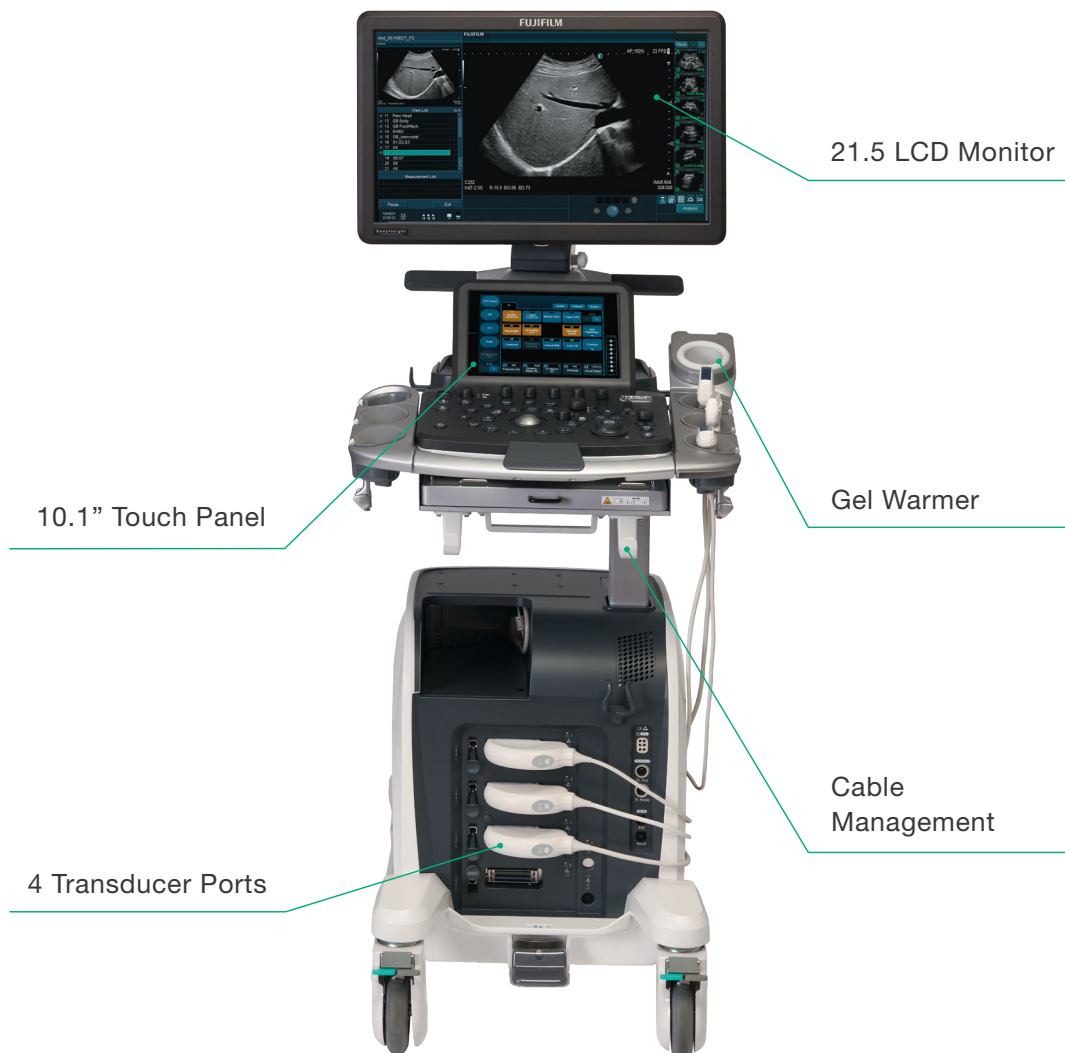
Contrast Harmonic Imaging (CHI)

CHI offers uniform enhancement from near to far field using its Tissue Reduction Mode. Various features, such as Accumulation Mode, enable multiple ways to visualize the collected data.

Fujifilm understands the importance of advanced technology, expert support, and specialized tools in delivering comprehensive ultrasound imaging for exceptional patient care. The ARIETTA 650 DeepInsight embodies our dedication to diagnostic imaging, providing a robust platform with superior image quality, reliable performance, and seamless integration of cutting-edge technology.

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GENERAL IMAGING



21.5 LCD Monitor

Gel Warmer

Cable Management

10.1" Touch Panel

4 Transducer Ports

EFFICIENT WORKFLOW

Utilize the pre-set configurations, easy transducer selection, and automated image optimization, all with the touch of just a few buttons.

LCD MONITOR

With a high contrast ratio and wide viewing angle, the 21.5 inch LCD monitor gives a rich representation of the display image.

ERGONOMICS

Swiveling, height-adjustable control panel drops to 40" from the floor to facilitate lower extremity exams. Monitor mounted on a separately articulating arm for wide range of motion.

MOBILITY

Lightweight, stable and easy to move. Transports with ease from room to room.

PROTOCOL ASSISTANT

Provides customizable automation to assist users by performing routine steps such as annotation and mode changes.

PROGRAMMABLE PRESETS

Fully customizable presets for each user.

Road to Innovation



1950

World's first diagnostic ultrasound imaging system



1960

Released world's first commercial medical ultrasound system



1971

Introduced the world's first linear array, real-time B-Mode Scanner



1978

Introduced the world's first phased array transducer



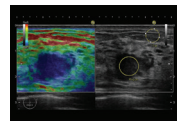
1983

Introduced the world's first convex array transducer



2009

Introduced the world's first CMUT transducer featuring a 2-22MHz bandwidth



2003

Introduced the world's first real-time Tissue Elastography technology to evaluate tissue stiffness in a color map



1995

Introduced the world's first 3D ultrasound system



1989

Introduced the world's first bi-plane transducers for surgery



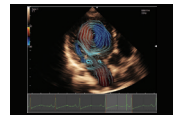
1986

Introduced the world's first cardiac Color Flow Doppler ultrasound system



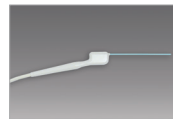
2011

Introduced the world's first robotic probe for surgery



2012

Introduced the world's first Vector Flow Mapping (VFM) technology for Cardiac applications



2014

Introduced the world's first pituitary guidance transducer



2020

Introduced the world's smallest Robotic probe for surgery



2023

DeepInsight cognitive technology released

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Scan for
More Info!



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