ARIETTA 750 VE

21.5 inch Widescreen Monitor

10.4 inch Touch Panel

Storage Space

5-SW System

Cable Management

4 Active
+2 Parking Probe
Connector Ports

Security Box*

(W) 550 × (D) 900 × (H)1220 ～ 1695 mm ± 10%

Weight: 136kg ± 10% (Standard configuration)

HDD: 1TB

Power Capacity: AC100 to 120, 200 to 240V, 50/60Hz, Max. 900VA

*Option

FUJIFILM

FUJIFILM Healthcare Corporation

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https://www.fujifilm.com/fhc/en

EMPOWERING YOUR ULTRASOUND

Accuracy, safety, and high cost performance
are required for ultrasound diagnosis.
ARIETTA 750VE delivers outstanding image quality
and increase your confidence at an affordable price.
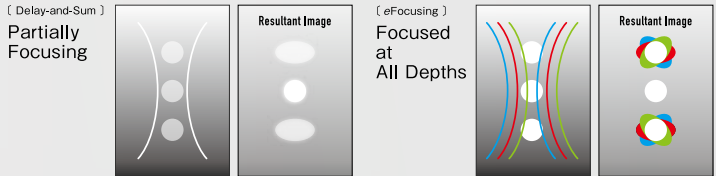ARIETTA 750VE will transform your ultrasound diagnosis.

PURE IMAGE

Pure Symphonic Architecture

Definite imaging technologies succeeded from premium class models delivers all users high image quality that allows the detection of even fine changes.

Probes/Frontend — Variable Beamformer — Active Backend Plus — Monitor
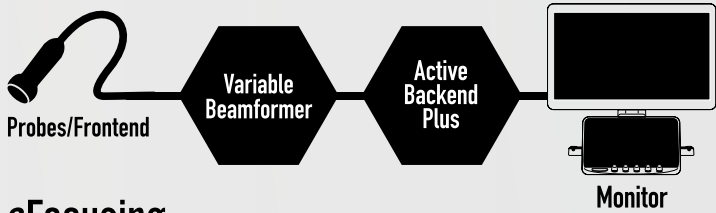
eFocusing

Transmission and reception technology to achieve clarity of imaging from near to far field. Reduced focus dependency and patient dependency.

[Delay-and-Sum] Partially Focusing — Resultant Image

[eFocusing] Focused at All Depths — Resultant Image

Carving Imaging

Images with "Clearer Visibility" are produced by our new image processing technology that enhances tissue structure visibility. Realizes stable imaging with less patient dependency.

OFF   ON
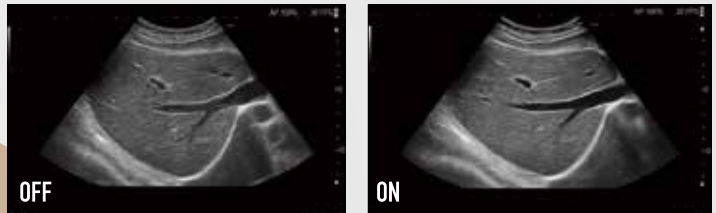
SEAMLESS WORKFLOW

A comfortable examination environment is the basis for accurate and safe ultrasound diagnosis. This equipment is equipped with innovative functions that support the workflow for a comfortable examination environment.

YOUR APPLICATION

A variety of state-of-the-art applications provide you with detailed diagnostic information and enhance your routine examinations.
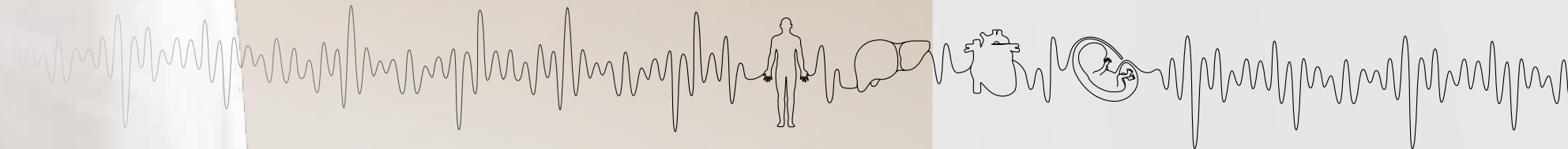
Radiology

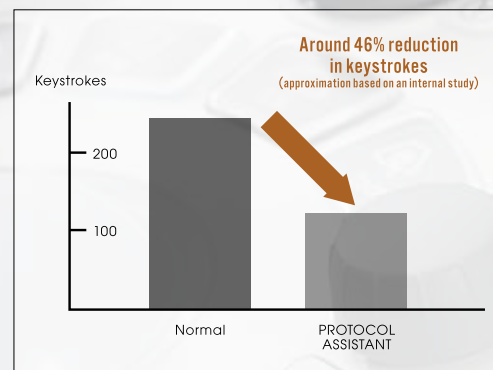PURE IMAGE — **EMPOWERING**
YOUR APPLICATION — **YOUR**
SEAMLESS WORKFLOW — **ULTRASOUND**

Diagnostic ultrasound system is used in a wide range of situations from screening and outpatient diagnosis to follow-ups. The ARIETTA 750VE meets a wide range of clinical needs of clinical sites with easy-to-use applications as well as high image quality, which is essential for presence diagnosis and qualitative diagnosis.

SEAMLESS WORKFLOW

Protocol Assistant

Prior fixed examination protocols and imaging conditions can be registered. Button operations can be reduced significantly to support efficient examinations. Additionally, a reference image can be displayed via the "Guide View" function.

Keystrokes

Around 46% reduction in keystrokes
(approximation based on an internal study)

200

100

Normal   PROTOCOL ASSISTANT

Advanced Workflow for Real-time Tissue Elastography (RTE)

HI Strain

HI Strain is an algorithm used to display an Elastography image more consistently than before. It is possible to display Elastography images with high continuity while maintaining temporal resolution and spatial resolution.

Strain Graph

Displays the average of tissue strain in real time. Able to understand the compression status visually.

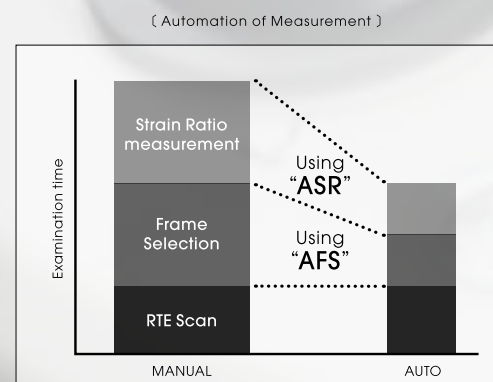+ 1.0
0.0
- 1.0
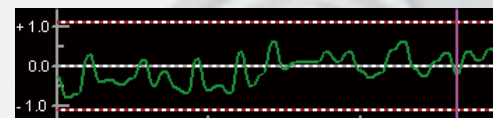
Auto Frame Selection (AFS)

Automatically selects and displays a frame of Elastography appropriate for diagnosis.

Assist Strain Ratio (ASR)

Automatically sets a ROI for Fat Lesion Ratio (FLR) and conducts a measurement.

Interlocking FLR Measurement

A series of operations from frame selection to the boot of FLR measurements are automated. Elastography evaluation with high reproducibility is possible via automation.

(Automation of Measurement)

Examination time

Strain Ratio measurement	
Frame Selection	Using "ASR"
RTE Scan	Using "AFS"

MANUAL   AUTO

YOUR APPLICATION

Examination Elastography

Real-time Tissue Elastography (RTE)

RTE assesses tissue strain in real time and displays the tissue stiffness as a color map. Its application has been validated in a wide variety of clinical fields, and it is possible to calculate an estimate value of liver fibrosis staging.

Shear Wave Measurement (SWM)

It is possible to evaluate tissue stiffness by generating shear waves and measuring Vs, its propagation velocity in the tissue. Combi-Elasto, which integrated RTE and SWM, is expected to be used for cases which is difficult to diagnose though only using SWM.

ATT measurement

A function to measure the attenuation coefficient generated in the process of ultrasound propagation of tissue. The degree of steatosis can be estimated from the size of the coefficient. Its measurement is conducted simultaneously with SWM, and it can be conducted as an extension of B mode examination.
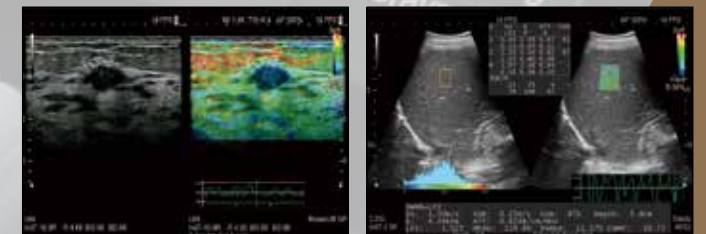
Contrast Harmonic Imaging (CHI)

Contrast enhanced ultrasound is used widely for clinical practices such as tumor detection, differential diagnosis, and treatment support. High definition and high sensitivity contrast imaging is realized by Variable Beamformer and high sensitivity transducers.

Detective Flow Imaging (DFI)

Imaging technology for visualization of low velocity blood flow below the previous detection threshold. A unique algorithm displays fine blood flow with greater resolution and sensitivity.

Treatment Real-time Virtual Sonography (RVS)

MPR images constructed from CT/MRI/PET-CT volume data can be synchronized to real-time ultrasound imaging. It is applied in a wide variety of clinical fields: such as for Abdomen, Breast, navigation in prostate puncture, and so on.

Volume data | US Imaging

CT
PET CT
MRI
US

US

Body Motion Tracking

The omniTRAX Active Patient Tracker (manufactured by CIVCO) facilitates registration of fused images when used at the time of CT/MR image acquisition; with the synchronized status being updated when small movements in the patient position are detected during the RVS examination.

Needle Tracking

VirtuTRAX Bracket (manufactured by CIVCO) can track and display the needle tip location during RFA.

Cardiovascular

PURE IMAGE — **EMPOWERING**
YOUR APPLICATION — **YOUR**
SEAMLESS WORKFLOW — **ULTRASOUND**

The interest to cardiac disease prevention and early detection is growing because of the aging of the whole society in recent years. ARIETTA 750VE covers various advanced functions especially useful for cardiac examinations. Additionally, smooth workflow and easy-to-use applications support streamlining examinations and high image quality.

SEAMLESS WORKFLOW

Cardiac Functions

Supports automated measurement package based on Hemo Dynamic Structural Intelligence (HDSI), which is a unique analysis technology incorporating A.I. EyeballEF measures ejection fraction (EF) automatically via the M.Simpson method.

·Beat Mode: ED/ES auto detection   ·Doppler Cursor Assist: Auto setting of sample gate position   ·LV, LA, RA Volume auto measurement
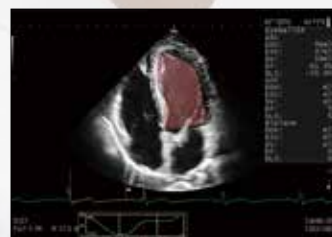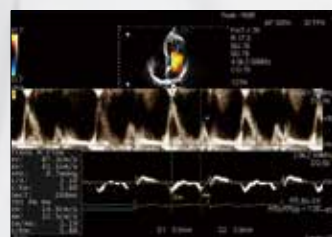
Intelligent Series

iDGD (Dual Gate Doppler+R-R Navigation)

E/e', one of the key LV diastolic performance indices, is measured automatically in Dual Gate Doppler use. By using this in combination with R-R Navigation, iDGD detects an optimum heartbeat automatically, making it effective for arrhythmia cases.

·Dual Gate Doppler: Enables observation of Doppler waveforms from two different locations in the same heart cycle.
·R-R Navigation: Enables the detection of a stable R-R interval automatically.

i2DTT

Conducts various measurements via the 2D tracking method fully automatically. One of them, Global Longitudinal Strain (GLS), is attracting attention in heart failure examinations.
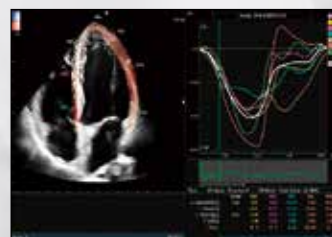
iVascular

Settings like the position of Color ROI and cursor can be set by a single click operation in Doppler examination of a vessel. Convex transducers are supported as well. Additionally, it is possible to measure the intima media thickness (IMT) automatically by AutoIMT.

Measurement time: Approx. 5 seconds
83% reduction in time taken
(approximation compared to conventional systems)

Auto Optimizer
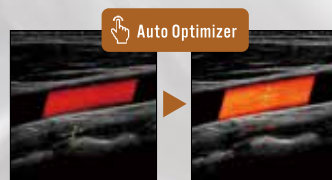
40% reduction in time taken
(approximation compared to conventional systems)

YOUR APPLICATION

Unique functions to support more detailed evaluation of hemodynamics are supported.

LinearCW/ConvexCW

eTRACKING

Wave Intensity (WI)

Women's Health

PURE IMAGE — **EMPOWERING**
YOUR APPLICATION — **YOUR**
SEAMLESS WORKFLOW — **ULTRASOUND**

High-definition diagnostic images of the ARIETTA 750VE enable detailed fetal morphological examination. In addition, we provide a variety of diagnostic information through our unique applications. We support early diagnosis and treatment, and provide peace of mind to patients and users.

SEAMLESS WORKFLOW

Auto EFW

Assists a smooth measurement of Estimated Fetal Weight (EFW) by analyzing the characteristics of the target and providing automatic setting of the measurement point.

YOUR APPLICATION

4Dshading/4Dtranslucence/Curved MPR

4Dshading is a mode used to express a realistic natural shading like a light is being cast. 4Dtranslucence extracts the tissue boundaries and superimposes them to enable the display of intracavity structures of the brain, digestive tract, and so on. Additionally, Curved MPR displays a plane on an arbitrary curved line. Able to display a curved plane of organs like the spine, uterus, and so on.
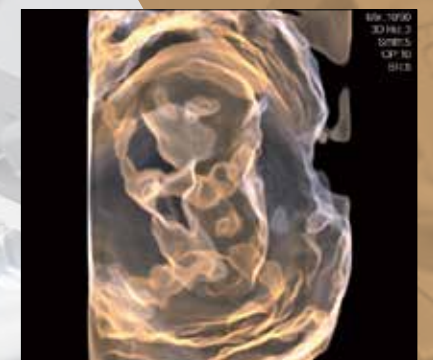
Spatio-temporal Image Correlation (STIC)

Constructs the volume data of 1 heartbeat from the data collected during scanning. It is possible to observe the heart motion, and useful to understand the structure of fetal heart stereoscopically.

Dual Gate Doppler

Enables observation of Doppler waveforms from two different locations during the same plane. The rhythm of atrial and ventricle contraction can be evaluated more easily than conventional methods in fetal arrhythmia cases.