

F31
DIAGNOSTIC ULTRASOUND
SYSTEM



Diagnostic Ultrasound System MODEL: F31



- Contents include optional items.
- The specifications, shape and color of this product are subject to change without notice.
- The standard components and optional items vary depending on the country.
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We strive to provide quality products and services for our customers.
We operate with regard for the environment.



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A Compact System with Outstanding Performance



A compact system with outstanding performance, for a wide range of clinical applications. F31 is developed with the purpose of providing what is necessary for natural and comfortable examinations. Devised for user-friendliness, functions and features are collected to offer comfortable examinations to both examiner and patient.

Friendly

- **Examiner-friendly**
Ergonomically designed and provided with a wide variety of functions.
- **Patient-friendly**
Provides reliable images with a friendly, compact system design.

Quality Imaging

Various imaging functions of F31 offer reliable examinations throughout various examinations.

Powerful Functions for Reliable Observation

Advanced Imaging Functions

Broadband Harmonics (BbH), Adaptive Image Processing (AIP), and Spatial Compound Imaging (SCI) support imaging excellence. Various targets are displayed with outstanding sensitivity and resolution.

Free Angular M-mode (FAM)

M-mode images can be displayed in real time or reconstructed from the Cine Memory after freezing. Images at arbitrary angles can be displayed regardless of the fetus's position.

eFLOW

Entire blood flow orientation is visible with eFLOW. Blood flow representation can be observed with high spatial resolution and minimal blooming.

Extended Field of View (EFV)

The extended field of view allows visualization of large or round, curved structures on a single screen.

High Frame Rate Zoom

The region of interest can be enlarged while maintaining high frame rate.

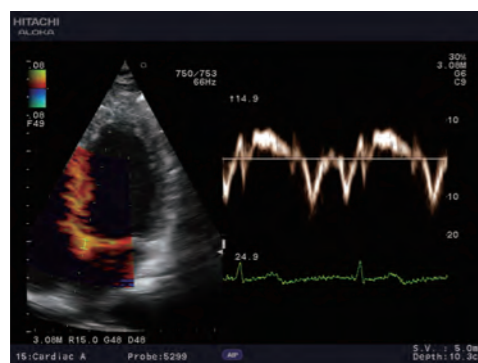
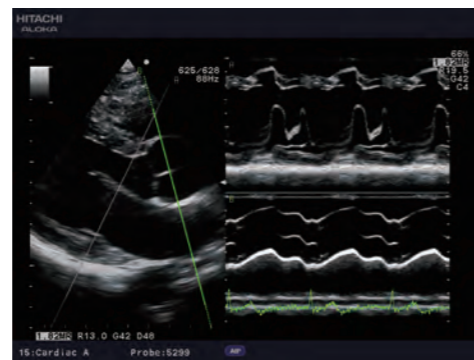


Dynamic Slow-motion Display (DSD)

DSD displays a real-time image and its slow-motion image side-by-side. This function supports observation of fast moving organisms such as the fetal heart.

Dual Dynamic Display (DDD)

DDD displays a B-mode image and Flow mode images side-by-side, in real time, enabling easy anatomical understanding in vessel examinations, including the carotid artery and the lower extremities.



Full Versatility

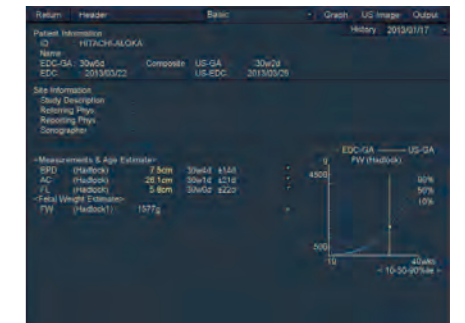
Data Management and Report Functions

Data management

- Supports various image formats, such as DICOM, AVI, BMP, and JPEG.
- Conforms to DICOM Worklist for a smooth examination flow.
- Variety of measurements and analysis, including growth curve for fetal growth management
- Data can be drawn out by USB recording devices.

Report Functions

F31 has reporting functions that conform to DICOM 3.0: Structure Reporting (OB/GYN, cardiology, vascular, abdominal and gynecological measurement) for a variety of clinical applications.



Diverse Probe Lineup



Abdominal, OB/GYN



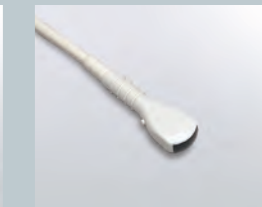
Endovaginal, Gynecological



Endovaginal, Gynecological



Endorectal



Intraoperative



Intraoperative



Intraoperative



Small parts, Peripheral vascular



Cardiac, Pediatric



Cardiac

More Features for Reliable Examinations

- Various operating modes: B-mode, M-mode, D-mode (PW, CW), Flow mode, Power Flow mode, eFLOW mode, Free Hand 3D (b/w, color)
- Trapezoidal View
- Auto Angle Correct
- Real-time Doppler Auto Trace
- 3D imaging
- 3D image analysis: MPR, FMPR, MSI
- Automated Volume Measurement (AVM)
- Tissue Doppler Imaging (TDI)
- Auto IMT
- Automated modulation of LED brightness
- Various post analysis and processing
- Supports Brachytherapy
- Maintenance reminder
- Customizable switch labeling

Smooth-flowing Workflow

Intuitive switch layout

To bring the necessary functions at your hand, F31's operation panel layout was enhanced. Frequently-used switches are placed to fit the palm of your hand.

Single-action Measurement Activation

Frequently-used measurements can be activated in a single action. Various measurement functions can be assigned to the keyboard to begin your examination quickly. Smooth workflow is provided, especially for examinations where multiple measurements are done.

Image Optimizer

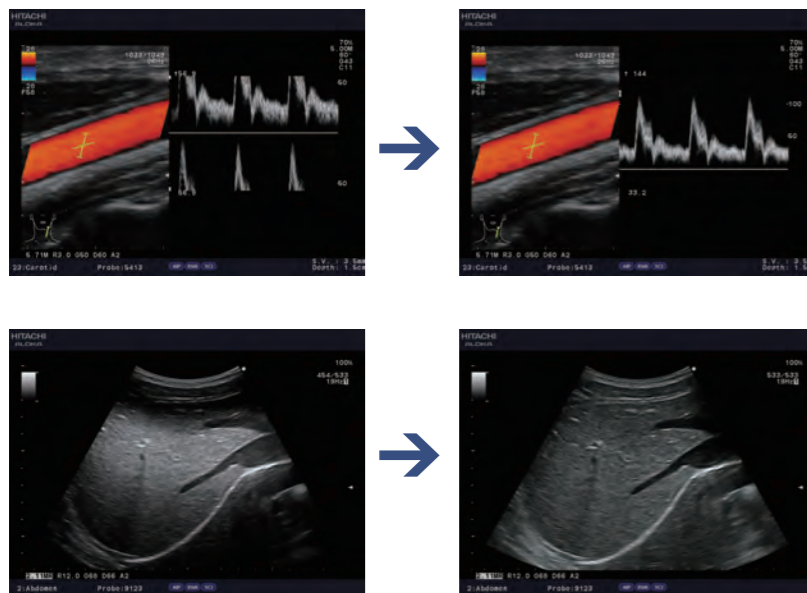
With a single switch, Image Optimizer optimizes brightness in B-mode images and waveforms in Doppler imaging. F31 learns your usual settings and automatically adjusts to your preference.

Auto Angle Correct

Measurements can be performed with high accuracy using Auto Angle Correct, automatically adjusting the angle in PW Doppler examinations.



Image Optimizer



Compact and Ergonomic Design

Flexible operation panel and monitor, smooth and safe mobility

Monitor

The monitor easily swivels and tilts to meet the optimum positions for comfortable examinations. It can also be folded down for when not in use or for a clear view when moving the system.

Operation Panel

The flexibly adjustable operation panel can be drawn up for operating when standing, or lowered to as low as 70 cm, an ergonomically friendly height for when operating in a sitting position. It can also be swiveled 90 degrees left and right respectively.

Easy Mobility

The system's light weight and compact body on large wheels enable smooth and safe mobility. With the hand grips on the backside, it can easily be pushed to move around the hospital.

