

OLYMPUS

Aplio i800 EUS

Advancing the Dimensions of Endosonography



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Twice the Expertise, Twice the Confidence for You and Your Patients

Through a partnership with Canon, Olympus brings the future of EUS into full focus with the Aplio i800 EUS premium ultrasound system. For clinicians looking for a new level of confidence, the Aplio i800 EUS is a customizable solution with powerful imaging that provides deep penetration and high-resolution and offers an abundance of advanced, clinically validated tools that allow for a wide range of clinical applications.



**Innovative
Ultrasound Imaging**



**An Advanced Liver
and Pancreatic Package**



**Partnering Ergonomics
with Workflow**



Innovative Ultrasound Imaging

See Ultrasound Imaging in a New Light

The Aplio i800 EUS ultrasound system's innovative imaging technology provides clarity, depth, and detail. Clear imaging with high-resolution and deep penetration, as well as an abundance of imaging technologies, allow you to safely perform the procedure and diagnosis confidently.



Differential THI (D-THI)

Expands the effective bandwidth by transmitting a combined pulse with two different frequencies to simultaneously achieve increased penetration as well as high resolution with sensitivity in both superficial and deep regions compared to other THI methods.



Full Focus

Enables clear, uniform images from near and to far field without the need for focus adjustments.



Quick Scan

An automatic gain adjustment that provides a uniform image with just one click.

An Advanced Liver and Pancreatic Package

A Multipurpose Solution

Covering a Wide Range of Liver Disease

Liver disease is one of the major challenges in imaging today, with a wide range of pathologies. To provide the diagnostic confidence needed for the assessment and management of liver disease, innovative imaging tools have been developed with easy-to-interpret clinical analysis and reporting.



Attenuation Imaging (ATI)

Supports the assessment of steatosis by quantifying the attenuation coefficient (AC), which characterizes the rate of attenuation or the gradual loss of intensity of the ultrasound beam, as it travels through tissue.



Shear Wave Elastography (SWE)

Utilizes a push pulse optimized for deeper regions of interest to generate shear waves and calculate their propagation velocity, providing a quantitative measure and dynamic display of tissue stiffness.



Contrast Harmonic Imaging (CHI)

Applies an ultrasound contrast agent to traditional ultrasonography to characterize focal liver lesions by improving the visualization and assessment of tissue vascularity.

An Advanced Liver and Pancreatic Package

A Multipurpose Solution

Covering a wide range of Pancreatic Disease

The assessment of pancreatic pathologies is at the cornerstone of EUS evaluation. The Aplio i800 EUS has high-resolution ultrasound imaging, and a variety of clinically validated tools designed to enable you to make a confident assessment in your pancreatic evaluations.



Superb Micro-vascular Imaging (SMI)

Expands the range of visible blood flow by revealing low velocity, microvascular flow, enabling physicians to make effective diagnostic insights when evaluating lesions, cysts, inflammatory diseases, and tumors.



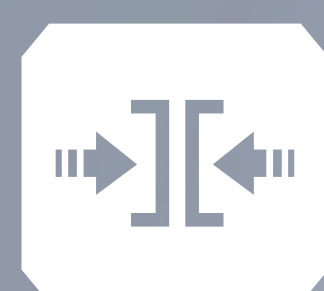
Smart 3D

Generates and displays 3D image data (volume data) using Cine memory images for the purpose of reconstruction. This feature can also be used with SMI.



Panoramic View

Creates a single, wide-view image to allow for visualization of anatomy larger than the normal scanning field of view of the transducer.



Strain Elastography

Provides a visual representation of tissue elasticity in the area of interest during compression and retraction, via a color map, which may help the physician identify the appropriate areas for biopsy.

Partnering Ergonomics with Workflow

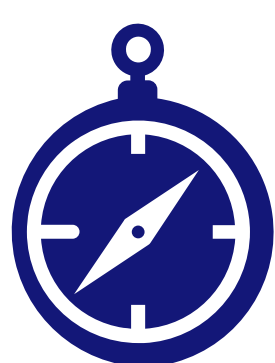
Make it Yours

Find your flow with the Aplio i800 EUS ultrasound system. Its customizable functions and features let you optimize system operation to cater to your wants and needs. Agile and light, the Aplio i800 EUS system is easy to maneuver and simple to set up so that it's a reliable partner to you and your procedure room.



Ergonomics

A fully adjustable console, panel and monitor supports you to comfortably conduct the procedure.



Navigation

Intelligent on-screen navigation for multifunction operation, and a user-friendly touch panel interface supports intuitive operation and adjustment.



Aplio i800 EUS – Advancing the Dimensions of Endosonography

Aplio i800 EUS Specifications

Compatible Equipment

Electric Scanning	GF-UCT180, GF-UE190, BF-UC190F
Extracorporeal Probes	Yes

Viewing monitor

OLED Monitor	21.6-inch
Viewing Angle	178 degrees

Outputs

Video Outputs	S-Video, HDMI, Composite, SDI
External Storage Device	CD-R, DVD, USB, external HDD
Network	LAN

Image Management

Still Image Storage	Yes
Movie Clip Storage	Yes
Cine Memory	Yes
DICOM	Yes

Dimensions

Size	631 (W) x 1237 to 1817 (H) x 969 to 1069 (D) mm
Weight	Approx. 115 kg

Power Supply

Voltage	100 – 120 VAC
Voltage Fluctuation	Within $\pm 10\%$
Frequency	50/60 Hz
Frequency Fluctuation	Within ± 1 Hz
Consumption Electric Power	1500 VA

Classification

Type of Protection Against Electric Shock	Class I	
Degree of Protection Against Electric Shock for Applied Part	Type-BF applied part.*	* Type BF when Type-BF applied parts are connected. The ultrasound transducers, ECG electrodes, heart sound sensor, and pulse wave sensor that can be connected to this system are Type-BF applied parts.
Degree of Protection Against Explosion	The Ultrasound System is an electrical product. Do not place it in an environment with flammable gas.	

EUS Processor Risks:

High output and prolonged exposure to ultrasonic waves can adversely affect the internal tissues of the patient. Scan only for the minimum length of time necessary for the diagnosis, and at the lowest possible output. Improper care, installation, or use, can cause electric shocks, burns or other injuries. The ultrasound endoscope connected to this ultrasound center must never be applied directly to the heart as it could cause ventricular fibrillation or otherwise seriously affect the cardiac function of the patient. Never allow an EndoTherapy accessory or another ultrasound endoscope, applied to or near the heart, to come in contact with the ultrasound endoscope connected to this ultrasound center. Do not use contrast agents when using the shear wave function, as there is a risk of injury to the patient's tissue, resulting in bleeding, due to the interaction between the acoustic pressure of the ultrasound and the contrast agent. Do not use the shear wave function during puncturing or the interposition of any other type of metal as it may cause problems during the procedure. Contrast imaging and shear wave elastography functions are for GI only.

Disclaimer: The features and functionality described are available with the Aplio i800 EUS. Please refer to the Instructions for Use for echoendoscope compatibility.

Images are from the Aplio i800 EUS with the GF-UCT180 scope, provided by Dr. Marvin Ryou - Brigham and Women's Hospital and Dr. Shyam Varadarajulu - Orlando Health Digestive Health Institute. Manufactured by Canon Medical Systems Corporation 1385 Shimoishigami, Otawara-shi, Tochigi 324-8550, Japan and distributed by Olympus America, Inc. Olympus is a registered trademark of Olympus Corporation, Olympus America Inc., and/or their affiliates. | Medical devices listed may not be available for sale in all countries.



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