

EVIS EUS

EVIS EUS Endoscopic Ultrasound Center

EU-ME3

Advancing the Dimensions of Endosonography



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Focused on Your Expertise



Improved Ultrasound Imaging

Enhanced Visualization

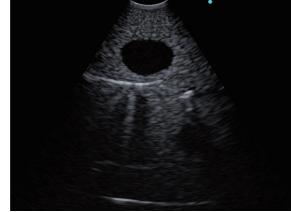
B-mode

Enhanced B-mode

The EU-ME3 provides outstanding image quality and functionality – compatible to a high-end ultrasound center – in a compact body. B-mode image quality has been substantially enhanced compared to our predecessor model (EU-ME2).







EU-ME2

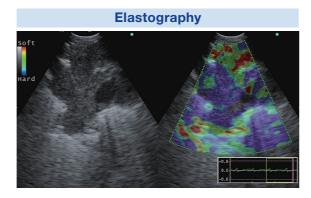
EU-ME3

Improved Elastography

The EU-ME3 features an elastography function which visualizes the amount of strain in the tissue (tissue stiffness) during compression and retraction, making it possible to obtain more information about tissue properties.

Elastography displays the relative stiffness of tissues by taking advantage of the deformation caused by the compression or vibrations generated by the heartbeat or vascular pulsations.

Two meta-analyses¹⁻² reported that EBUS elastography is a useful modality for differentiating between benign and malignant mediastinal lymph nodes during EBUS-TBNA.

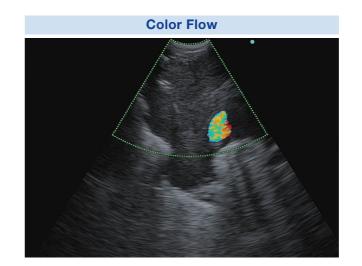


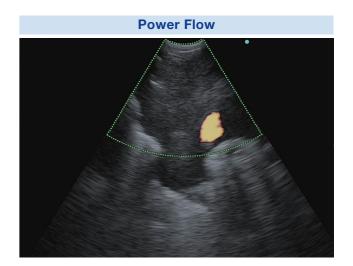
i-ELST is a new technology incorporated into the EU-ME3 that makes it easier to display elastic images, even when displacement due to pulsation is modest.

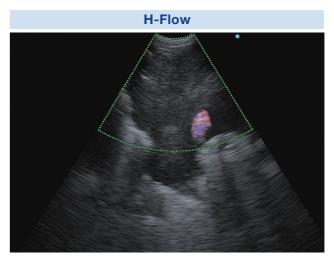
Doppler Modes

The EU-ME3 offers three basic Doppler modes to distinguish blood flow more clearly – Color Flow, Power Flow, and Pulsed Wave Doppler (PWD). Doppler modes can be used to support safer procedures, benefitting both the patient and the physician.

In addition to the three basic Doppler modes, the EU-ME3 also features H-Flow. H-Flow is a more sensitive Doppler mode that shows directional blood flow with less blooming. It is especially useful for imaging small vessels around the tip of the endoscope.







Tissue Harmonic Echo (THE)

When ultrasound waves are propagated through tissue, distortion is produced and harmonic components are generated. The Tissue Harmonic Echo (THE) mode uses these components to build an image of the targeted area, providing a more detailed granular depiction. Advantages of harmonic imaging include improved resolution, improved signal-to-noise ratio, and fewer artifacts.

^{*1 &#}x27;Utility of Elastography for Differentiating Malignant and Benign Lymph Nodes During EBUS-TBNA', J BronchologyIntervPulmonol. 2021 Jun 16.

^{*2 &#}x27;Diagnostic value of endobronchial ultrasound elastography for differentiating benign and malignant hilar and mediastinal lymph nodes: a systematic review and meta-analysis'. Med Ultrason. 2021 Apr 1.

Designed for Enhanced Usability

Excellent Operability

Keyboard Usability

The keyboard was designed with a simple layout in mind and includes a user-friendly built-in touch panel, LED backlit keys and a trackpad for ease of use and cleaning. The larger LCD touch panel allows for a greater range of functions to be displayed at one time.





Ease of Targeting

The position and size of the Doppler region of interest (ROI) can be conveniently adjusted with a trackpad or buttons on the touch panel.

Ease of Cleaning

The new keyboard trackpad is easier to clean and disinfect than a conventional keyboard trackball design (EU-ME2).

Enhancing Versatility

Full Support for Endobronchial Ultrasound Bronchoscopy

The EU-ME3 ultrasound processor is unique in its ability to support a wide range of Endobronchial Ultrasound Bronchoscopy (EBUS) procedures, such as EBUS-guided transbronchial needle aspiration (EBUS-TBNA) and radial EBUS for peripheral bronchoscopy procedures.



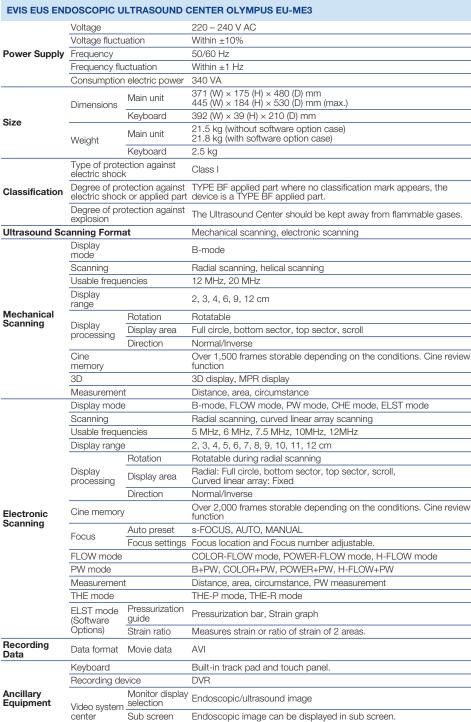
Customizable Modules

Software options are available to meet the needs of any facility. With this modular concept, you can select and add the necessary functions at any time according to your needs and budget.

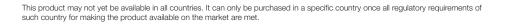
Comparison of Ultrasound Functions

	EU-ME2	EU-ME2 PREMIER [*]	EU-ME2 PREMIER PLUS	EU-ME3
B-mode	~	~	~	~
THE (Tissue Harmonic Echo)	-	~	~	~
Flow	~	~	~	~
PWD (Pulsed Wave Doppler)	~	~	~	~
Elastography	-	-	~	✓ (Software Option)

^{*} This product may not be available in some areas.







Patient data

As medical knowledge is constantly growing, technical modifications or changes to the product design, product specifications, accessories and service offerings may be required.



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Patient data can be shared with video system center

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