

Endoscopic Ultrasound

Universal Ultrasound Processor (EU-ME1)

As the world's first and only endoscopic ultrasound processor to integrate both electronic and mechanical scanning, the Olympus EU-ME1 universal processor provides exceptional ultrasound imaging for most Olympus EUS and EBUS products.

Key Benefits

- **Superb ultrasound image quality:** The EU-ME1 is ideal for most EUS procedures and today's most advanced endobronchial ultrasound procedures.
- **Procedural flexibility:** The EU-ME1 supports EUS-FNA, EBUS-TBNA, radial EUS and EBUS with miniature probes, peripheral bronchoscopy, and it provides imaging frequencies from 5 to 30 MHz.
- **Backward compatibility:** The EU-ME1 is compatible with most Olympus ultrasound endoscopes and miniature probes.
- **Rich functionality in a compact size:** With picture-in-picture functionality a separate monitor can display the endoscopic and/or ultrasound image, and the processor's small size allows it to be configured on the same endoscopy cart as the video endoscopy system.

Curved Linear Array (GF-UC140P-AL5)

The GF-UC140P-AL5 ultrasound gastrovideoscope combines excellent endoscopic video image quality with ultrasound imaging. Designed especially for EUS-guided fine needle aspiration (EUS-FNA) in and around the digestive tract, the forceps elevator enables movement of the needle position while keeping the echoendoscope stationary. The echoendoscope's round transducer design enables careful insertion, reducing the risk of tissue perforations.

Key Benefits

- **Exceptional design for EUS-FNA:** The 2.8 mm working channel and 11.8 mm outer insertion tube diameter enable very precise needle guidance, in combination with 19, 22, or 25 gauge needles.
- **Wide ultrasound scanning range:** A wide 180° scanning angle provides the ability to comprehensively image of all structures surrounding the region of interest.
- **High-resolution video images:** The 100° field of view with clear endoscopic video images ensures detailed visualization of the targeted area with white light.

Radial Array (GF-UE160-AL5)

The GF-UE160-AL5 ultrasound gastrovideoscope is a 360° radial array scanning endoscope, expanding the potential of EUS. This breakthrough endoscope combines exceptional capability and maneuverability. Superb ultrasound image quality featuring tissue harmonic echo (THE) and advanced ultrasound functionality enable confirmation of blood flow conditions using color and power Doppler for easier orientation in the pancreatobiliary region.

Key Benefits

- **Full 360° scanning plane:** The 360° ultrasound view enables more precise visualization of the upper GI tract and allows easier anatomical orientation via image rotation capabilities.
- **High-resolution images:** Various different frequencies ranging from 5-12 MHz permit the highest ultrasound image quality while the build-in CCD enables clear endoscopic video images.
- **Excellent maneuverability:** A small diameter, wide angulation range and short distal end enable excellent scope maneuverability.