

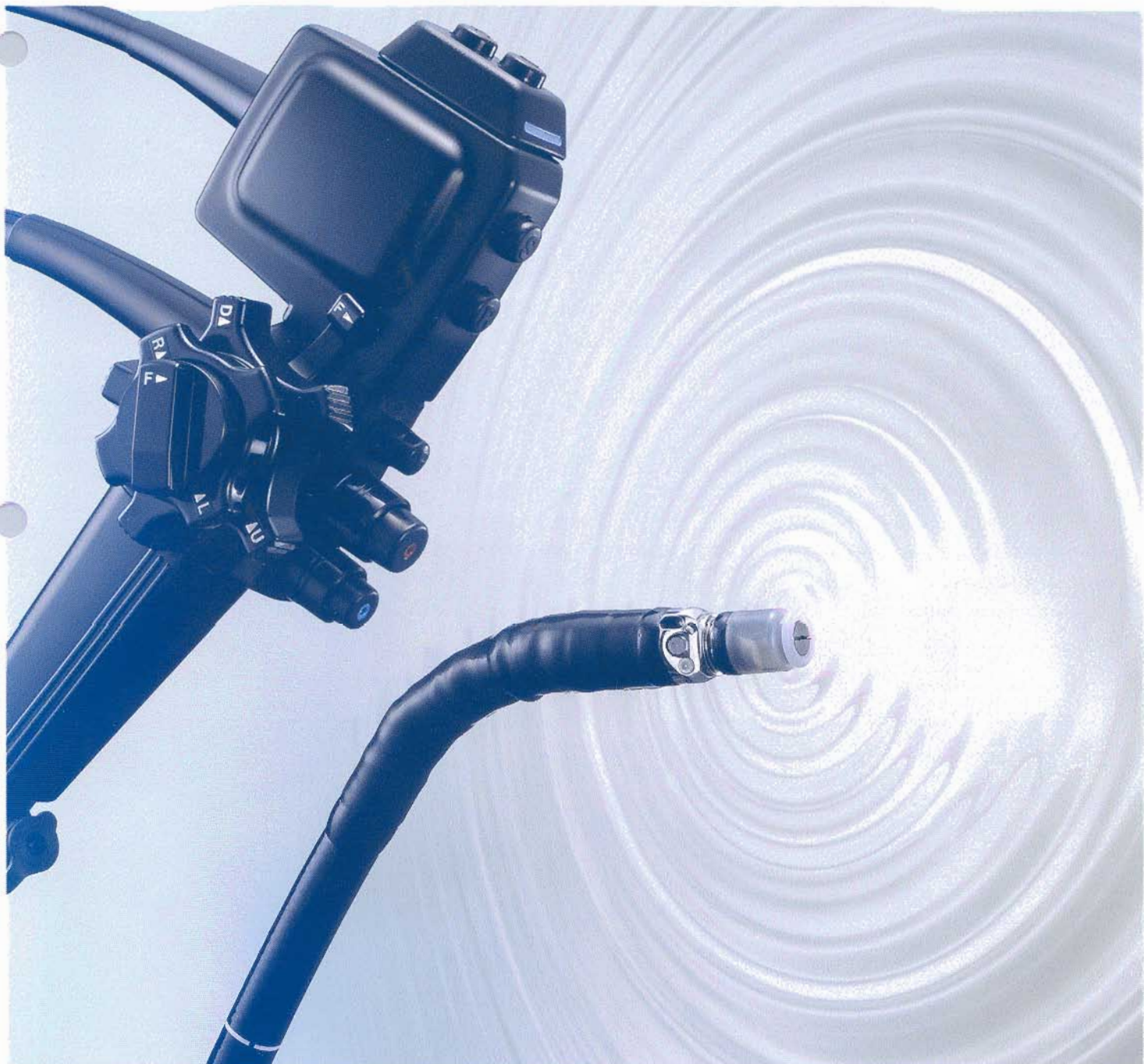
OLYMPUS®

ULTRASONIC
VIDEOSCOPE

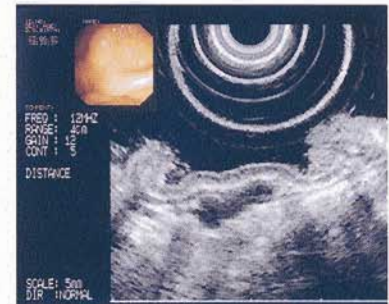
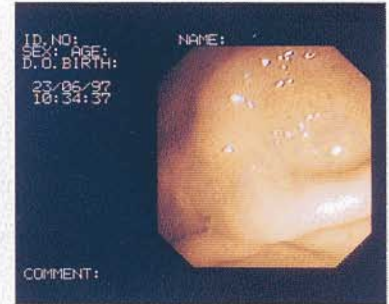
Olympus is about life. About photographic innovations that capture precious moments of life. About advanced medical technology that saves lives. About information- and industry-related products that make possible a better living. About adding to the richness and quality of life for everyone. Olympus. Quality products with a **FOCUS ON LIFE**

ULTRASONIC GASTROVIDEOSCOPE OLYMPUS **GF** TYPE **UM130/Q130**

Ultrasonic Videoscope Now Combines
Ultrasound and Videoscope Technologies in One Endoscope.

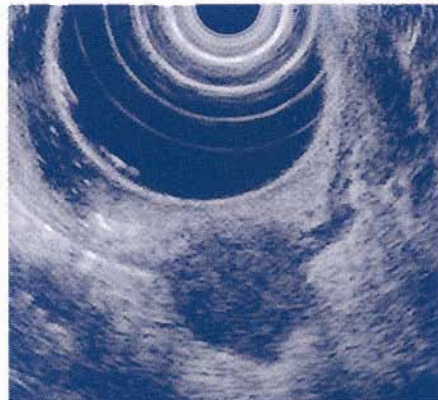


Introducing the first ultrasonic videoscopes incorporating the EVIS 130 series CCD imaging technology. High resolution endoscopic video and ultrasound images can be viewed simultaneously on the same monitor.

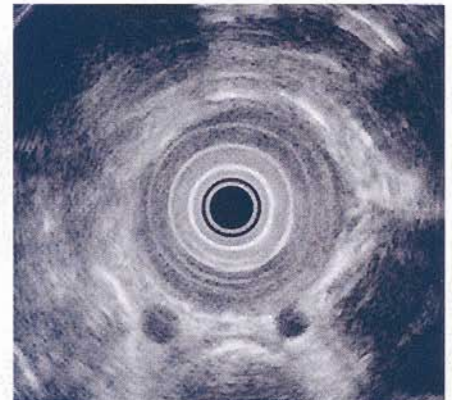


Stomach varix (GF-UM130)

In response to requests to utilize the latest video imaging technology in the ultrasonic endoscope, the first ultrasonic videoscope with EVIS 130 series imaging has been developed. Blending the highly developed imaging characteristics of EVIS videoscopes and Olympus radial scanning ultrasound scopes, both high resolution ultrasound images and clear video endoscopic images can be observed. What's more, the procedure efficiency has been optimized thanks to the picture-in-picture capability of the EU-M30 Olympus Endoscopic Ultrasound Center. With this capability, you can view the ultrasound and endoscopic video images simultaneously on the same monitor. You also have the option to display either the ultrasound or endoscopic video image in full screen. An added benefit is less procedure fatigue thanks to a significantly lighter control section without the traditional eyepiece and video converter.

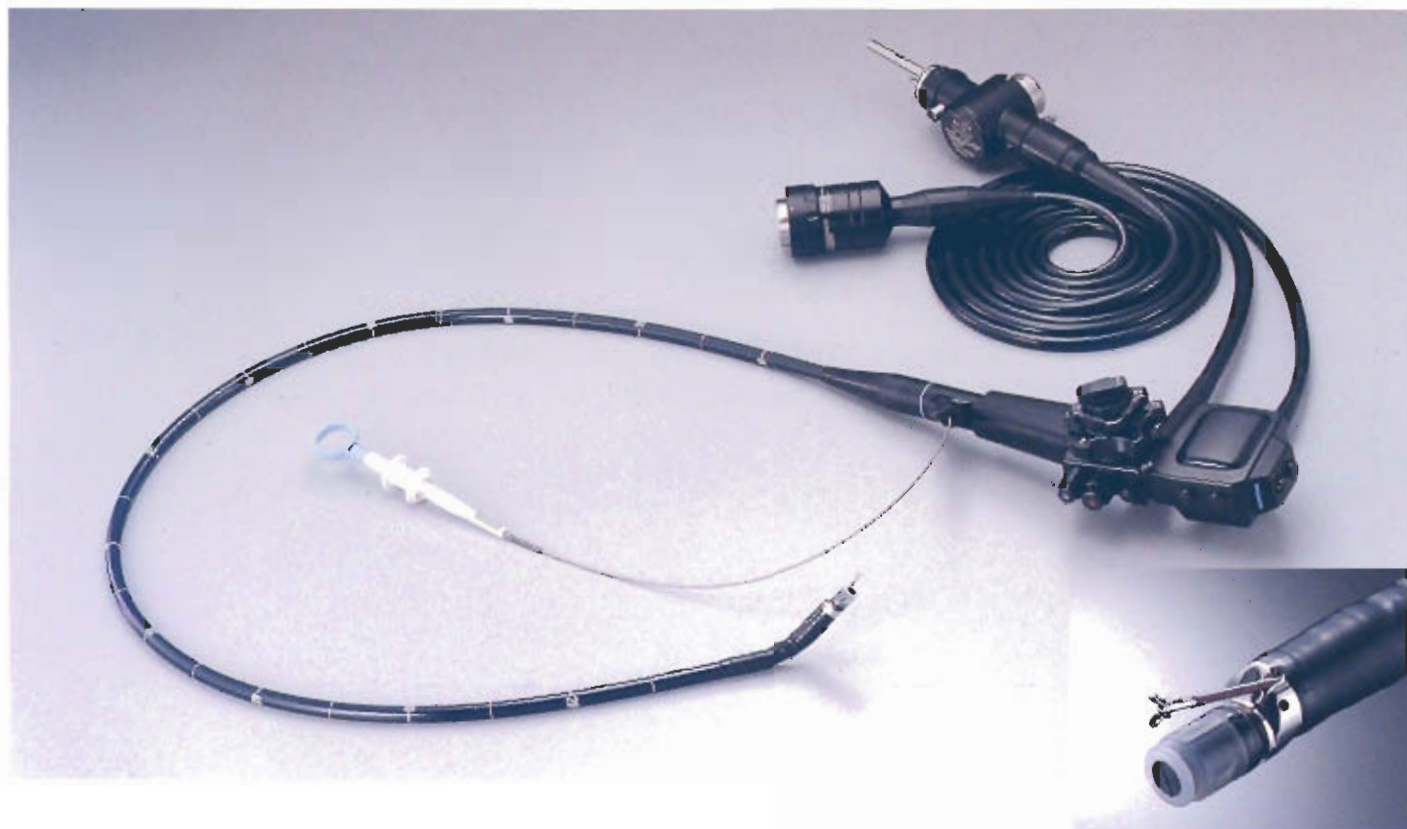


Leiomyoma of duodenum (GF-UM130)



Stenotic tumor in esophagus (GF-UM130)

The ultrasonic videoscope offers a small distal end diameter of only 12.7 mm and flexible portion outer diameter of 10.5 mm for ease of insertion to observe the esophagus, pancreas, and gallbladder. Two models with different frequency options are now available.



ULTRASONIC GASTROVIDEOSCOPE OLYMPUS GF TYPE UM130/Q130

While observing the endoscopic video image on the monitor, you have immediate access to additional information such as depth of a gastric cancer by activating the ultrasound image. When used in combination with the Olympus EU-M30 Endoscopic Ultrasound Center, the endoscopic and ultrasound images may be viewed either simultaneously on the same monitor or alternately in full screen. Both models of the ultrasonic videoscopes offer switchable frequencies. Each model utilizes a 7.5 MHz transducer for imaging deep organs such as pancreas and gallbladder, but one switches to 12 MHz for sharp visualization of the layers of the stomach wall while the other switches to 20 MHz for ultra high resolution when less depth of imaging is required. Both models feature a thin 12.7 mm distal end outer diameter for ease of insertion.

Features

- (1) The GF-UM130 switches between 7.5 and 12 MHz frequencies, and the GF-UMQ130 switches between 7.5 and 20 MHz frequencies. Select the appropriate model to meet the imaging depth and resolution requirements of the intended application.
- (2) By using the EU-M30 Olympus Endoscopic Ultrasound Center, it is possible to display both the ultrasound and endoscopic images simultaneously on one monitor or alternately by switching.
- (3) These versatile ultrasonic videoscopes have a scanning range suitable for esophagus, pancreas, and gallbladder.
- (4) A small diameter scope of 12.7 mm at the distal end and flexible portion outer diameter of 10.5 mm allows easy insertion.

Specifications

Endoscopic Function	Optical System	Angle of View Field	100° (90° Forward-oblique)
		Depth of View Field	3-100mm
		Illumination System	Light Guide System
	Distal End	Outer Diameter	12.7mm
	Distal End Cap	Outer Diameter	10.4mm
	Flexible Portion	Outer Diameter	10.5mm
	Bending Section	Angulation Range	UP:130°, Down:90° RIGHT/LEFT:90°
	Working Length		1250mm
	Total Length		1605mm
	Biopsy Forceps		Biopsy Channel Inner Diameter
		Minimum Visible Distance	3mm
		Appearance Within Field of View	
Ultrasonic Function		GF-UM130	GF-UMQ130
	Display Mode	B-Mode	
	Scanning Method	Mechanical, Radial Scanning	
	Scanning Direction	360° Full Radial at Right Angles to the Direction of Insertion	
	Frequency	7.5MHz, 12MHz (Switchable)	7.5MHz, 20MHz (Switchable)
	Aperture Diameter	7mm (7.5/12MHz), 4mm (20MHz)	
	Focusing Point	30mm (7.5MHz) 25mm (12MHz)	20mm (7.5MHz) 22mm (20MHz)
	Contact Method	Balloon Method, De-aerated Water Immersion Method	

