

**OLYMPUS**<sup>®</sup>

Your Vision, Our Future

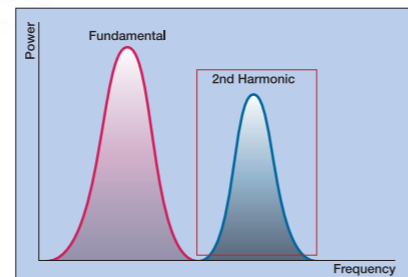
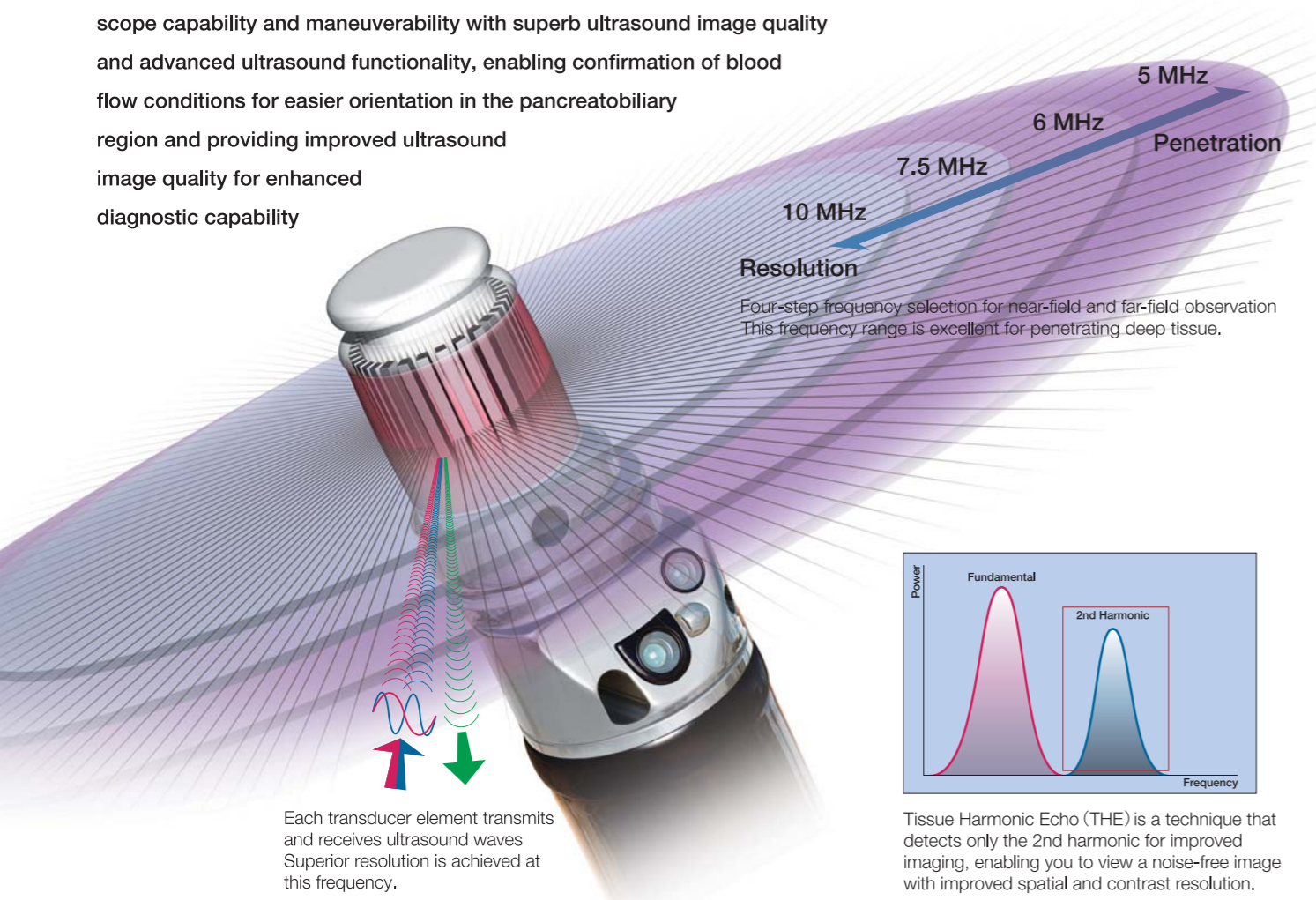
**EVIS EUS**

ULTRASONIC GASTROVIDEOSCOPE  
**GF-UE160-AL5**



# Superb Ultrasound Image Quality and Exceptional Scope Maneuverability

Expanding the potential of EUS, this breakthrough system combines exceptional scope capability and maneuverability with superb ultrasound image quality and advanced ultrasound functionality, enabling confirmation of blood flow conditions for easier orientation in the pancreatobiliary region and providing improved ultrasound image quality for enhanced diagnostic capability



Tissue Harmonic Echo (THE) is a technique that detects only the 2nd harmonic for improved imaging, enabling you to view a noise-free image with improved spatial and contrast resolution.

ULTRASONIC GASTROVIDEOSCOPE

## GF-UE160-AL5

Unprecedented scope maneuverability and high-quality imaging capability with a convenient lens cleaning function

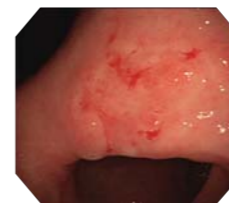
### Features/Benefits

- Easier orientation in the pancreatobiliary region with 360° electronic radial scanning and image rotation capability
- High-quality ultrasound images with four selectable frequencies
- Superb scope maneuverability, made possible by a wide angulation range (130° up, 90° down/right/left), to facilitate the approach to the duodenal bulb
- Tissue Harmonic Echo (THE) for improved spatial and contrast resolution
- Color and Power Doppler for effective confirmation of blood flow
- Lens cleaning function to keep the endoscopic field of view clear at all times



### Sample Imaging Results

Early gastric carcinoma (type IIc)



6 MHz



7.5 MHz



10 MHz

Chronic cholecystitis with Gall bladder stone



5 MHz Fundamental image



THE 5.0 R mode image



Color Doppler image

Hitachi ALOKA Medical Diagnostic Ultrasound System

## ProSound α7

Unparalleled performance of high-end model and enhanced user, patient and environmental friendliness are packed in the compact ProSound α7. The Broadband Harmonics realizes high sensitivity and resolution for Tissue Harmonic Echo. The superb eFLOW features enhanced spatial resolution, visualizing blood flow dynamics ranging from thin and slow flows to thick and fast flow in greater detail. Optional wireless remote controller is available. It has a wide variety of compatibility with OLYMPUS ultrasound scopes and allows for excellent ultrasound performance with GF-UE160-AL5 and subsequent ultrasound scopes.


### Features

- Preeminent Imaging Performance
- Tissue Harmonic Echo (THE)
- Quad-Frequency Imaging (Four-Step Multi-Frequency Imaging)
- Dual Dynamic Display (DDD)
- Storage & Networking
- DICOM Network



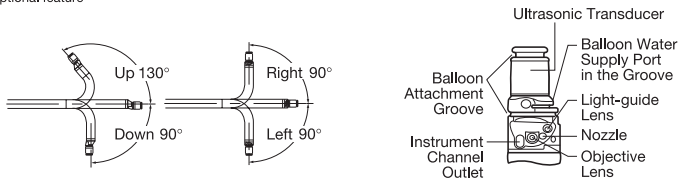
# OLYMPUS GF TYPE UE160-AL5

## Specifications

Endoscopic Functions	Optical System	Field of view	100°
		Direction of view	Forward oblique viewing 55°
		Depth of field	3 to 100 mm
	Insertion Tube	Distal end outer diameter	13.8 mm
		Insertion tube outer diameter	11.8 mm
		Working length	1250 mm
		Channel inner diameter	2.2 mm
	Instrument Channel	Minimum visible distance	3 mm
		Direction from which endo-therapy accessories enter and exit the endoscopic image	
	Bending Range	Angulation range	Up 130°, Down 90° Right 90°, Left 90°
Total Length	1555 mm		
Lens Cleaning Function	Available		
Ultrasonic Functions	Display Mode	B-mode, M-mode, D-mode, Flow mode, Power Flow mode	
	Scanning Method	Electronic radial array	
	Scanning Direction	Perpendicular to insertion direction	
	Frequency	5, 6, 7.5, 10 MHz / 4, 6.67, 10, 13.3 MHz ( $\alpha 7$ )	
	Tissue Harmonic Echo *	4.00MP, 5.00MS, 6.67MR, 8.00MH	
	Focusing Point	A maximum of four focusing points are available.(between F1 and F16)	
	Scanning Range	360°	
	Contacting Method	Balloon method Sterile de-aerated water immersion method	
	Image Rotation	Available	



\*Optional feature



Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



OLYMPUS MEDICAL SYSTEMS CORP.  
Shinjuku Monolith, 2-3-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 163-0914, Japan

For a complete listing of sales and distribution locations visit:  
[www.olympus.com](http://www.olympus.com)