

New Generation Endoscope System
7000 SYSTEM **NEW**



FUJIFILM

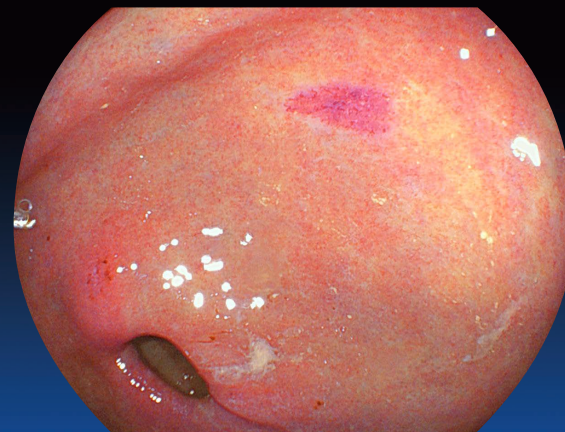




Welcome to BLI & LCI World



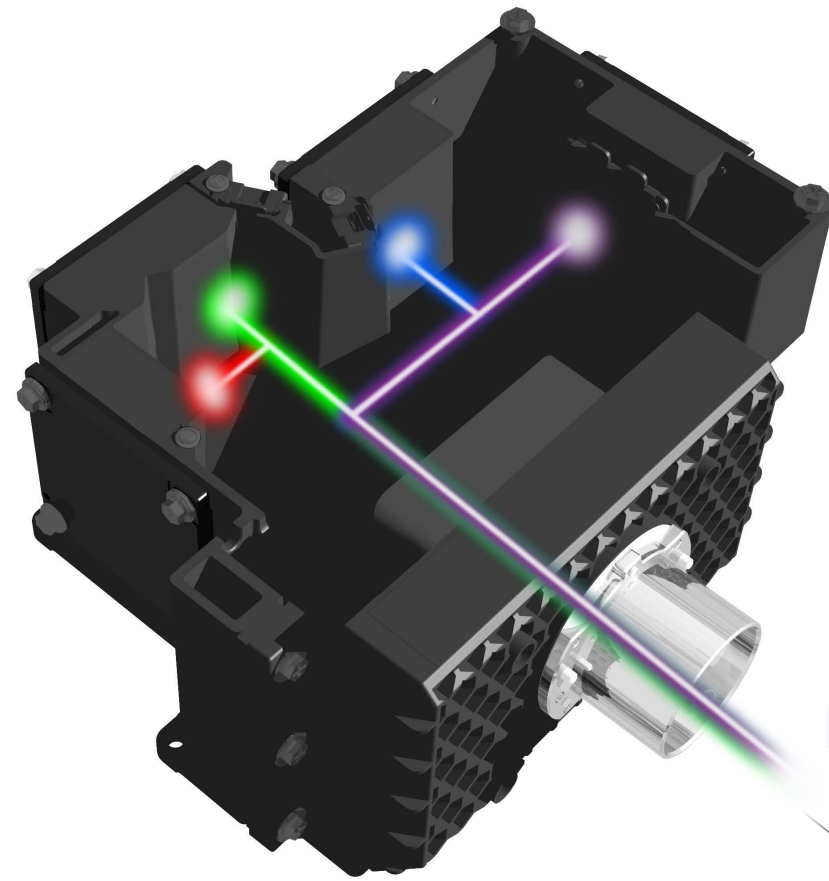
BLI Blue Light Imaging



LCI Linked Color Imaging

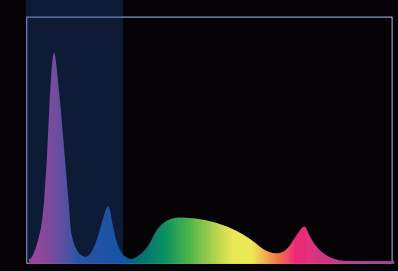
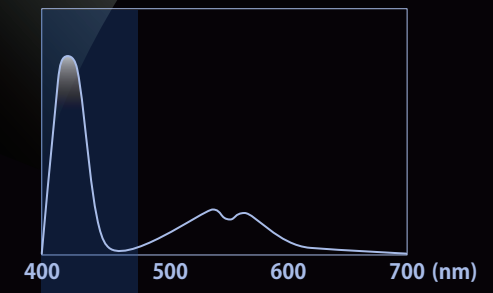
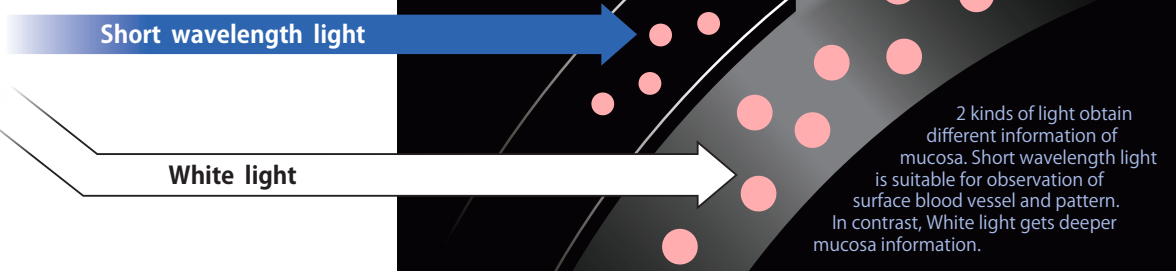
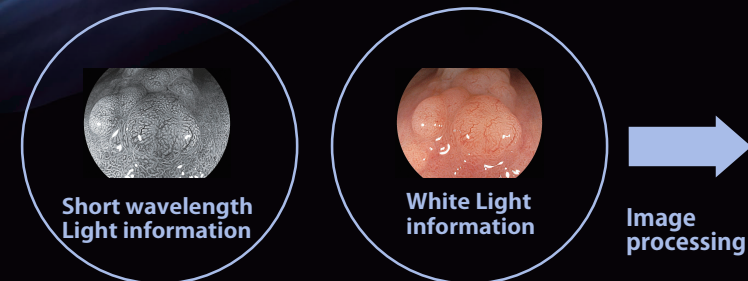
- Superior Diagnosis
- Superior Usability

Superior Diagnosis



Multi-Light Technology

High-intensity 4 LED lights are controlled independently with high accuracy. Blue LED creates short wavelength light, Red/Green/Blue LED are combined as white light. Short wavelength light and white light are invented on 7000 system.



Short wavelength light around 410 nm is strongly absorbed by hemoglobin.

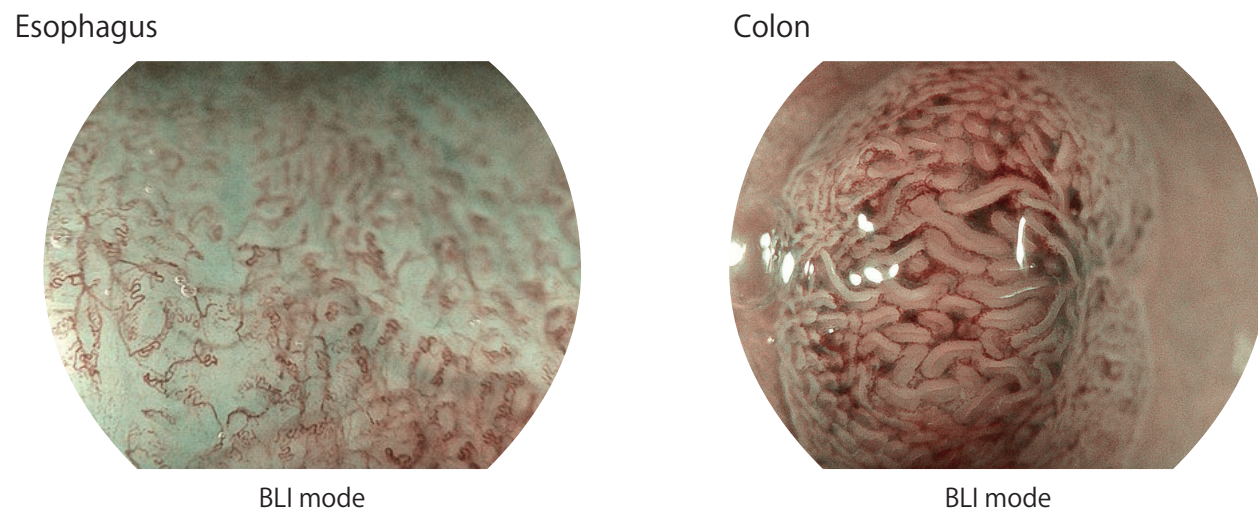
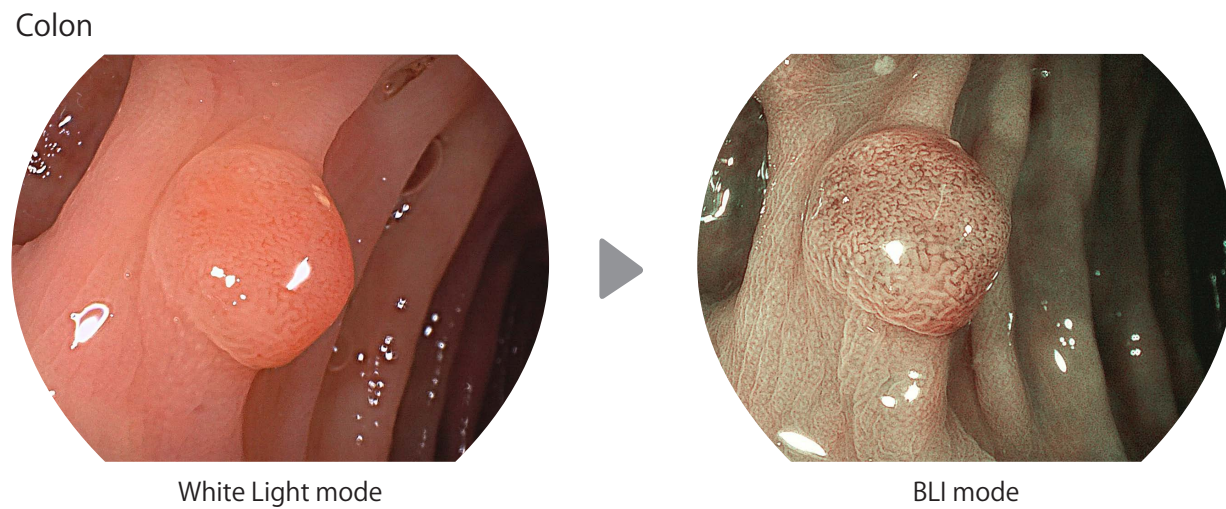
White Light

BLI

LCI

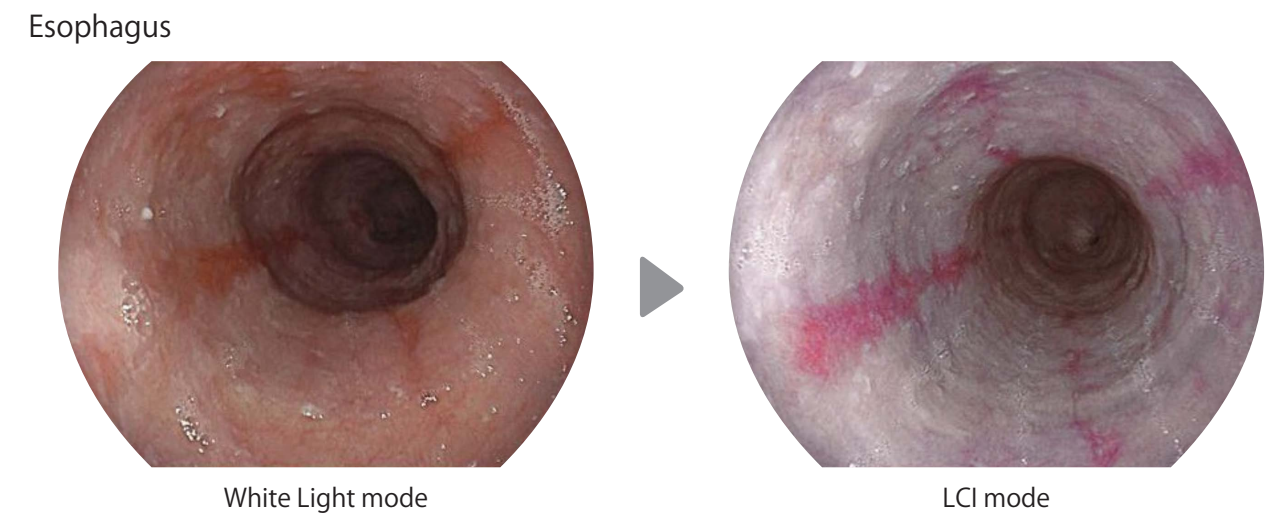
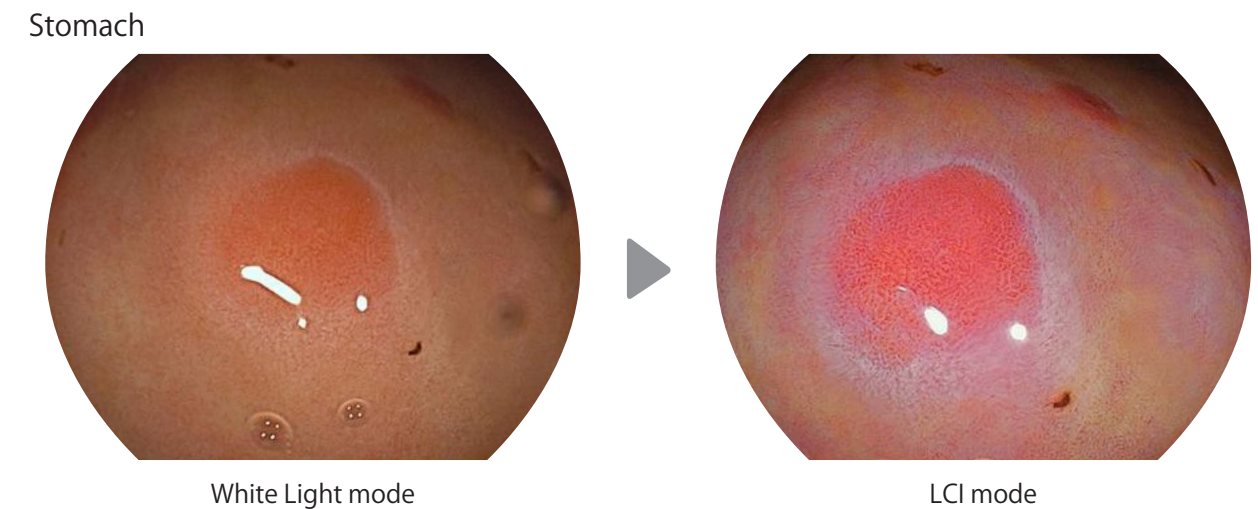
LCI Principle

1 BLI (Blue Light Imaging) 



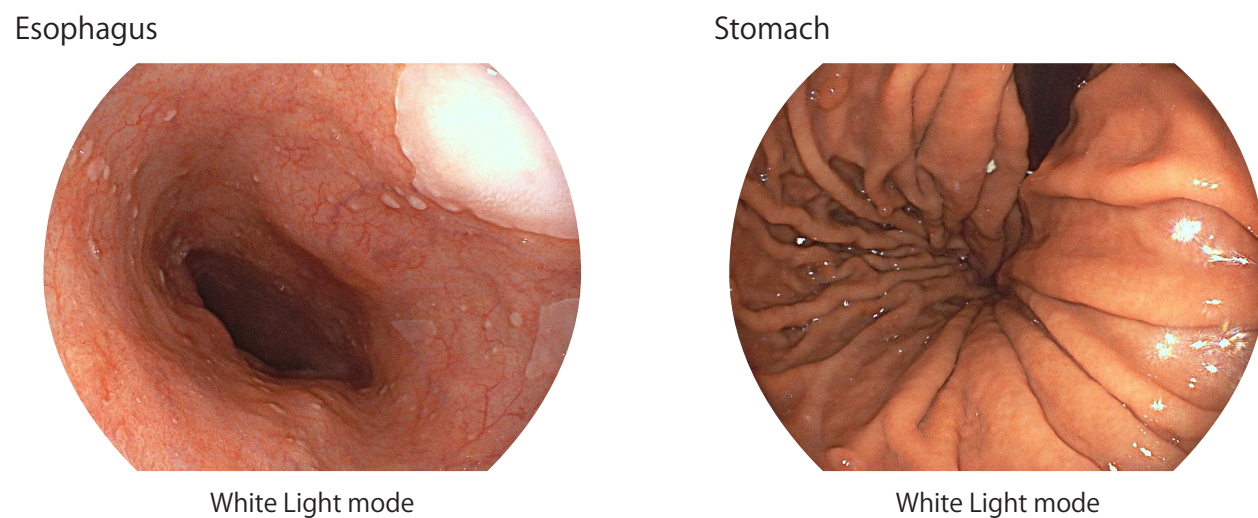
High contrast images suitable for observing microvascular and microsurface pattern are provided. Magnifying endoscopy is excellent with BLI.

2 LCI (Linked Color Imaging) 



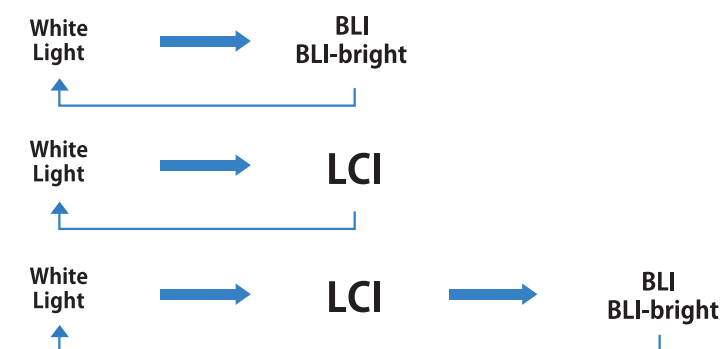
LCI would be helpful for detection with surface pattern and vessels. Slight color difference is visualized with natural tone, using "Red" component.

White Light



Bright, sharp, and stereoscopic images are accomplished with similar color tones to Xenon light source. Mega-pixel CMOS enables high-definition and quite low-level noise compatible.

Observation modes can be switched by scope button.

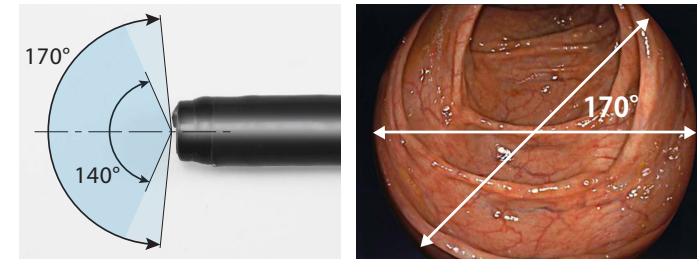


Scope button "2" enables observation modes to be switched in the default setting.



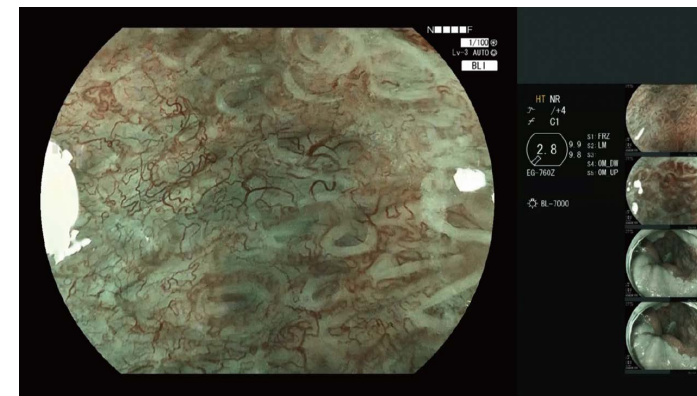


3 Wide 170° field of view



Wide 170° field of view is available with EC-760R-V. Even areas that are hard to observe such as the reverse side of folds could be observed and approached smoothly.

4 High-definition images- Megapixel CMOS



Full HD display

High-definition images with quite low noise level are established by Megapixel CMOS sensor. It allows superior visualization for Full HD display.

5 Multi Zoom

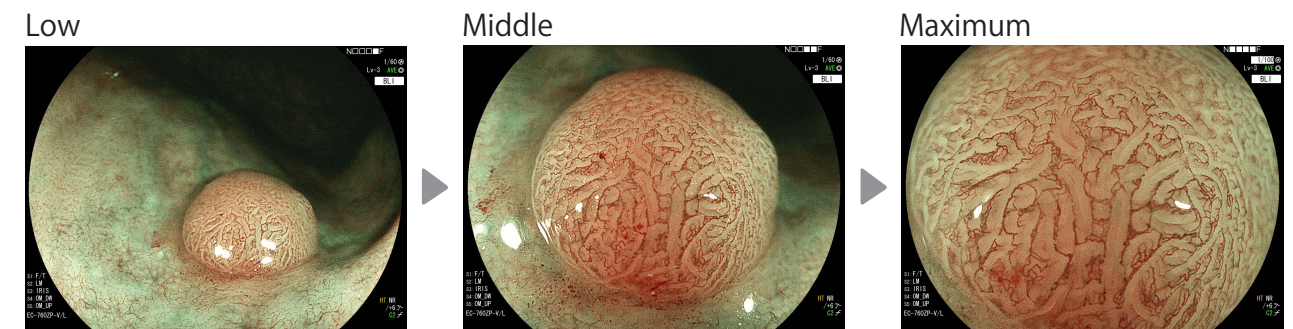
Zoom function

Magnification Mode		Normal	Low	Middle	High	Maximum (x145*)
Step zoom	2 Step	[Progress bar from Normal to Low]				
	3 Step	[Progress bar from Normal to Middle]				
	5 Step	[Progress bar from Normal to Maximum]				

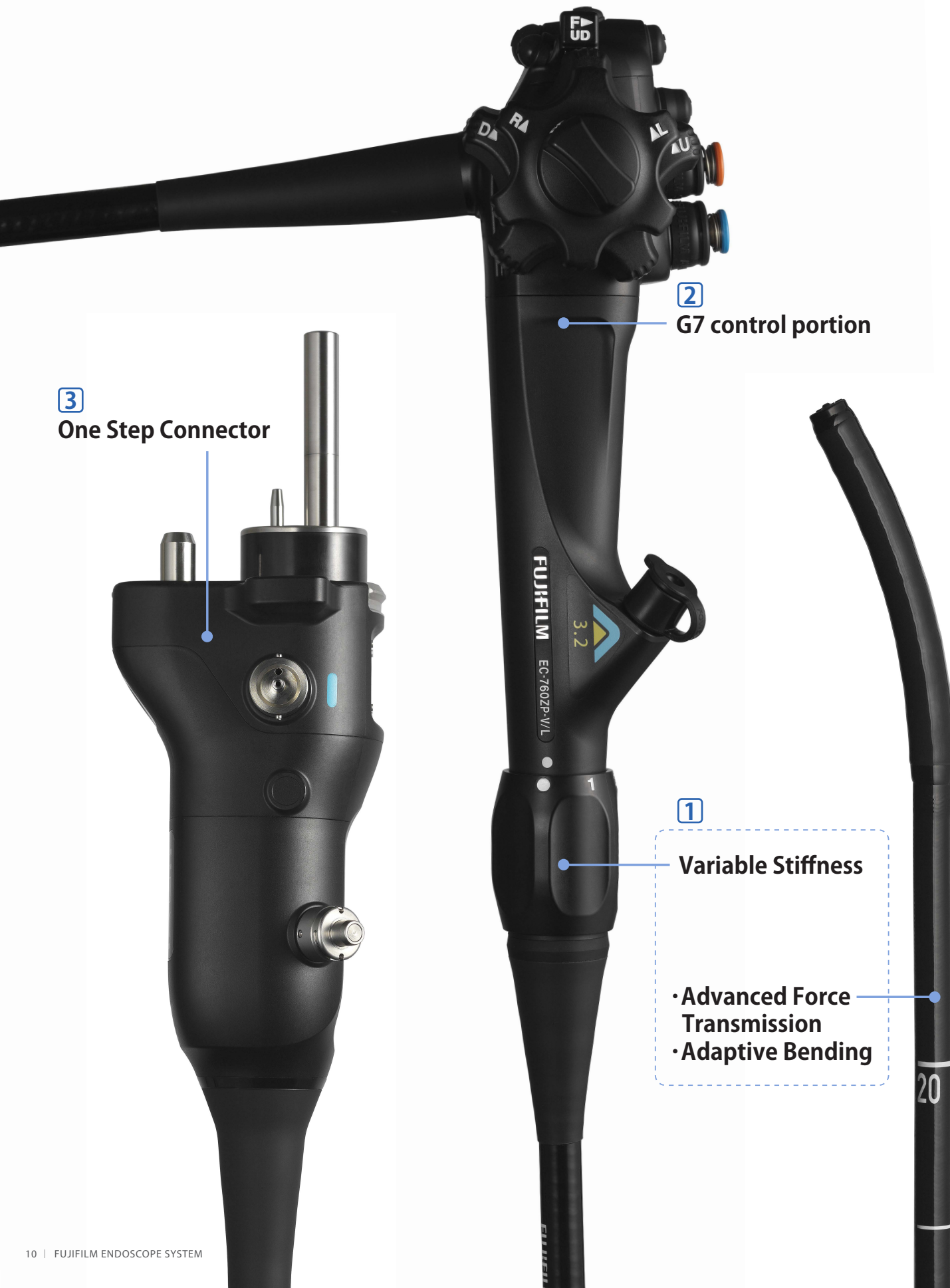
*When using a 26 inch HD LCD monitor

Multi Zoom function are equipped on EG-760Z / EC-760ZP-V. With Continuous mode, Step Zoom mode of "2 Step", "3 Step" and "5 Step" are available. In this modes, images can be magnified in stages by simple press of button.

Magnification Images



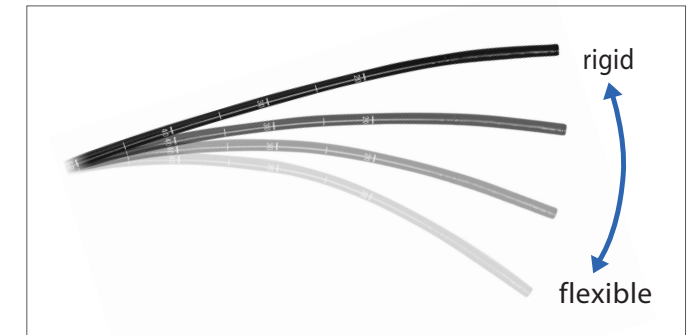
Superior Usability



1 Variable Stiffness



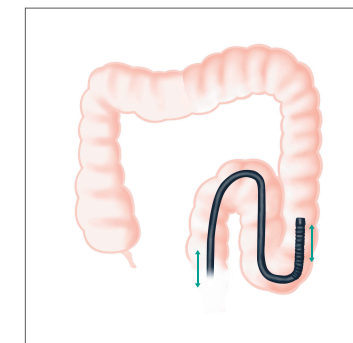
● 1 2 3
flexible rigid
Index on flexibility adjustment ring



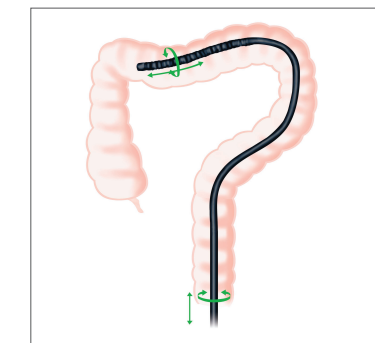
Variable stiffness is equipped on EC-760R-V and EC-760ZP-V. The stiffness of the flexible portion can be adjusted with adjustment ring.

Advanced Force Transmission

The flexible portion is designed to transmit operator's movements, pushing, pulling and rotating, to the distal end of endoscope.



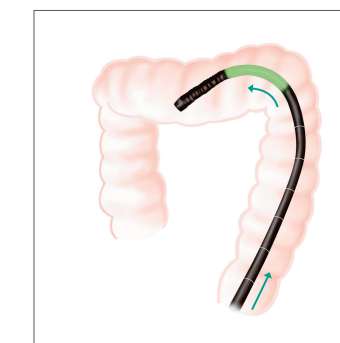
Passing the sigmoid colon



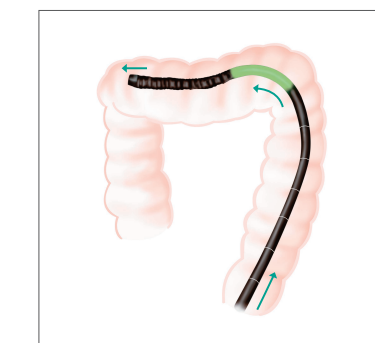
In deep insertion

Adaptive Bending

The end of flexible portion is soft, allowing the scope to bend with the angulations. Flexible portion is elastic, and easy to return to its straight shape after passing through angulations.



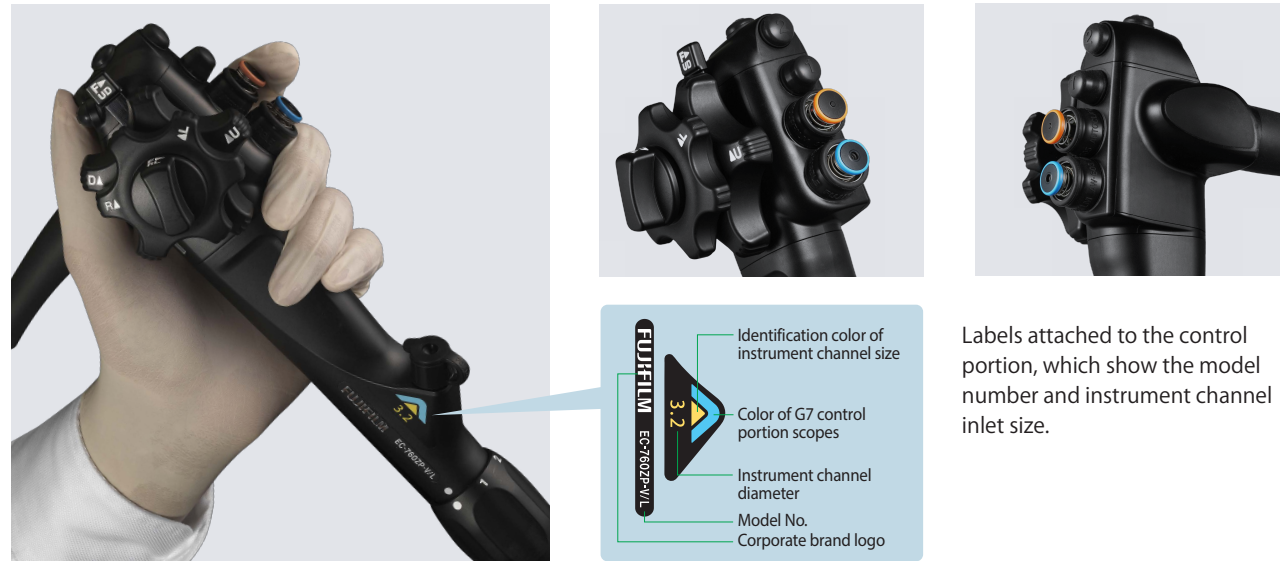
Passing the angulations



After passing through angulations

2 G7 control portion

G7 control portion is developed from ergonomics point of view. Scope has a rounded surface to fit the hand, and button layout makes intuitive operation possible.



Labels attached to the control portion, which show the model number and instrument channel inlet size.

3 One Step Connector with Contact-free Technology

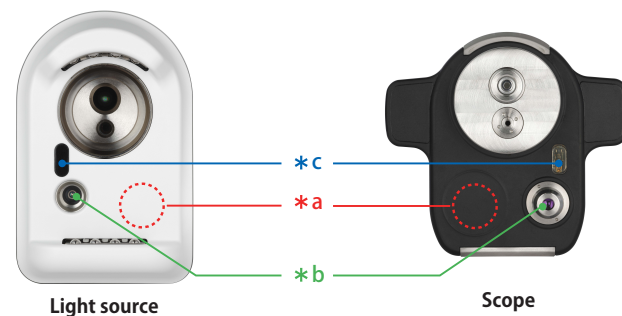


Scopes can be connected to light source in just 1 step operation. Scope cable connection is no longer required in setting up. One Step Connector enhances efficiency of clinical workflow.

Contact-free Technology

This's the generic name of below 3 points. It means connectors do not need to touch to transmit power and image data. By this technology, durability and reliability of scopes is expected to improve.

- ▶ Power feed: Wireless electrical supply - *a
- ▶ Image transmission: High speed optical laser - *b
- ▶ Remote signal: infrared [IR] LED - *c



4 Wide compatibility to conventional endoscope

Compatible with 700 series, 600 / 500 series endoscopes.



700 Series

&



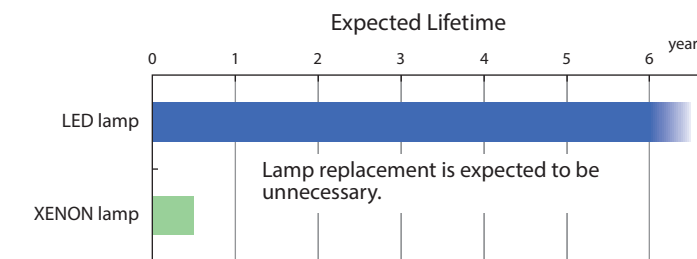
Conventional 600 / 500 Series

	BLI	BLI-bright	LCI	WLI	FICE
700 Series	○	○	○	○	○
600 / 500 Series	×	×	×	○	○

600/500 endoscopes can be used with White light and FICE mode.
* FICE : Flexible spectral Imaging Color Enhancement

5 Low-energy, long-lasting light source

When compared to standard xenon light sources, the LED light source consumes about a third of the energy and lasts longer. Life time of the 4 LED light is expected for 6 years based on Fujifilm evaluation condition. Note: The warranty period is 1 year after date of purchase.



Specification

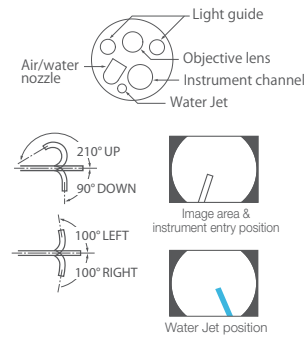
Upper G.I. tract scopes

EG-760R

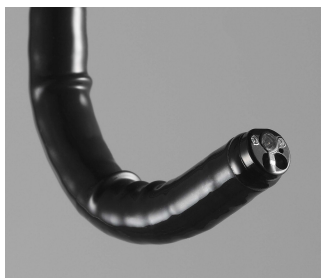


Field of view	140°
Observation range	2~100 mm
Bending capability	UP: 210° DOWN: 90° RIGHT: 100° LEFT: 100°
Working length	1,100 mm
Total length	1,400 mm
Distal end diameter	9.2 mm
Flexible portion diameter	9.3 mm
Minimum instrument channel diameter	2.8 mm

Product name: Video Endoscope
GMDN: 38805
Generic name: Flexible video gastroduodenoscope

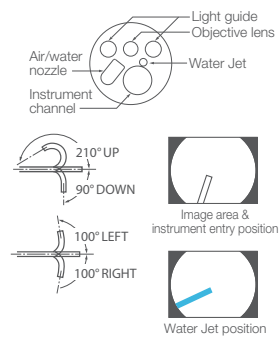


EG-760Z



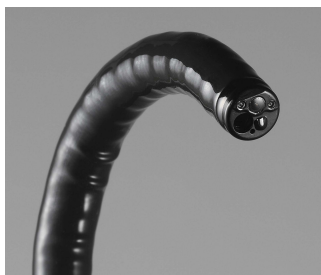
Field of view	Normal: 140° Close: 56°
Observation range	1.5~100 mm Normal: 3~100 mm Close: 1.5~2.5 mm
Bending capability	UP: 210° DOWN: 90° RIGHT: 100° LEFT: 100°
Working length	1,100 mm
Total length	1,400 mm
Distal end diameter	9.9 mm
Flexible portion diameter	9.8 mm
Minimum instrument channel diameter	2.8 mm

Product name: Video Endoscope
GMDN: 38805
Generic name: Flexible video gastroduodenoscope



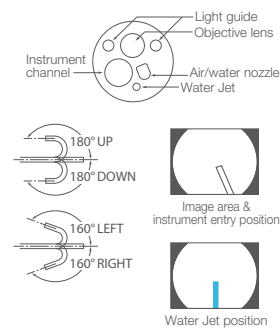
Lower G.I. tract scopes

EC-760R-V/M, I, L

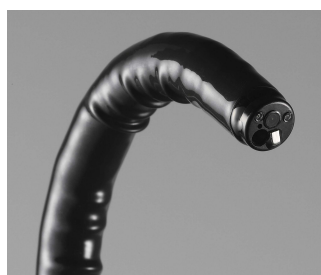


Field of view	170°
Observation range	2~100 mm
Bending capability	UP: 180° DOWN: 180° RIGHT: 160° LEFT: 160°
Working length	1,330 mm (M) / 1,520 mm (I) / 1,690 mm (L)
Total length	1,650 mm (M) / 1,840 mm (I) / 2,010 mm (L)
Distal end diameter	12.0 mm
Flexible portion diameter	12.0 mm
Minimum instrument channel diameter	3.8 mm

Product name: Video Endoscope
GMDN: 36117
Generic name: Flexible video colonoscope

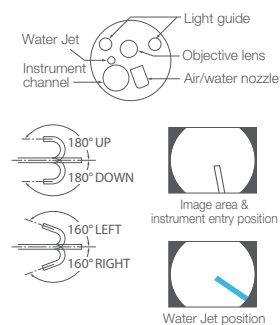


EC-760ZP-V/M, L



Field of view	Normal: 140° Close: 56°
Observation range	1.5~100 mm Normal: 3~100 mm Close: 1.5~2.5 mm
Bending capability	UP: 180° DOWN: 180° RIGHT: 160° LEFT: 160°
Working length	1,330 mm (M) / 1,690 mm (L)
Total length	1,650 mm (M) / 2,010 mm (L)
Distal end diameter	11.7 mm
Flexible portion diameter	11.8 mm
Minimum instrument channel diameter	3.2 mm

Product name: Video Endoscope
GMDN: 36117
Generic name: Flexible video colonoscope



VP-7000

Digital Output	DVI (Resolution: 1280 × 1024 pixels, 1920 × 1080 pixels) HD-SDI (Resolution: 1920 × 1080 pixels)			
Output Connector	DVI-D: 2 channel DVI-I: 1 channel HD-SDI: 2 channel	S VIDEO: 1 channel VIDEO: 1 channel RGB TV: 1 channel		
Input Connector	1 channel PoP			
Control Connector	Light Source I/F (37p): 1 channel Light Source I/F (Mini D-sub 15p): 1 channel REMOTE (BNC): 2 channel Peripherals (D-sub 9p): 2 channel Keyboard: 1 channel	Card reader: 1 channel Digital printer: 1 channel Footswitch: 1 channel Network: 1 channel		
Type of color	NTSC/PAL			
Iris	Auto / Peak / Ave			
Applicable Endoscope	700/600/500 series endoscopes			
Power Rating	Voltage: 100 to 240 V Frequency: 50/60 Hz Current consumption: 0.8-0.5 A			
Dimensions(W × H × D)	390 × 110 × 485 mm (including projection)			
Weight	9.0 kg			

Product name: Processor
GMDN: 18034
Generic name: Endoscopic Video image processor

BL-7000

Light Source	LED Maximum light output: 1400 lm
Light Control	Automatic light control by the control signal from the video processor
Light Cooling Method	Forced air cooling
Air Supply Pump	Available at 4-levels (Hi / Mid / Low / Off)
Power Rating	Voltage: 100 to 240 V ~ Frequency: 50 / 60 Hz Current consumption: 1.2-0.7A
Dimensions (W × H × D)	390 × 155 × 485 mm (including projection)
Weight	12 kg

Product name: Light source
GMDN: 35158
Generic name: Endoscopic light source, line-powered

VP-7000

BL-7000



New Accessories (Valve, Tank)

For routine examination



Air / Water Valve
AW-603



Suction Valve
SB-605



Water Tank
WT-603

Used with CO₂ Regulator "GW-100"



Air / Water Valve
AW-604G



Water Tank
WT-604G