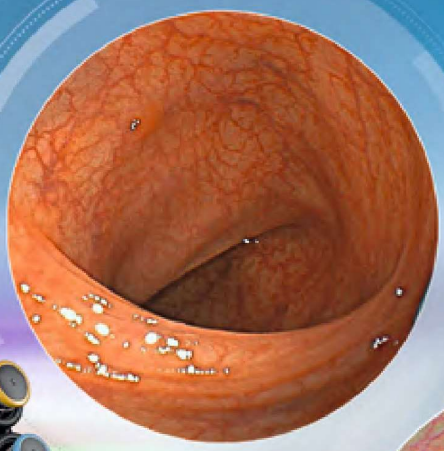
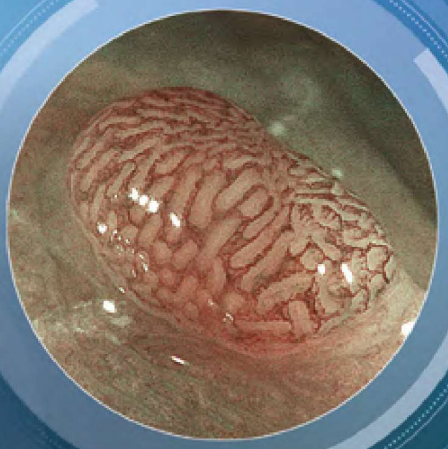
ELUXEO™

WITH MULTI LIGHT™ TECHNOLOGY

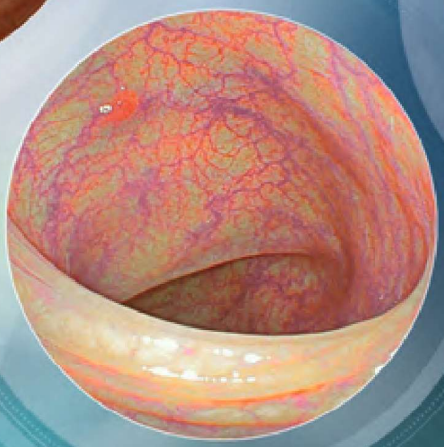
WHITE LIGHT IMAGING



BLI MODE (ZOOM)



LCI MODE



Multi Light™ technology LCI BLI

DISCOVER LIGHT ENHANCED ENDOSCOPY

Also available with CADEYE utilising AI technology

FUJIFILM
Value from Innovation

GASTROENTEROLOGY

IMPROVING YOUR DAILY WORK
WITH OUR INNOVATIVE SOLUTIONS*

*Learn more about our innovative AI technology at www.cadeye.eu.

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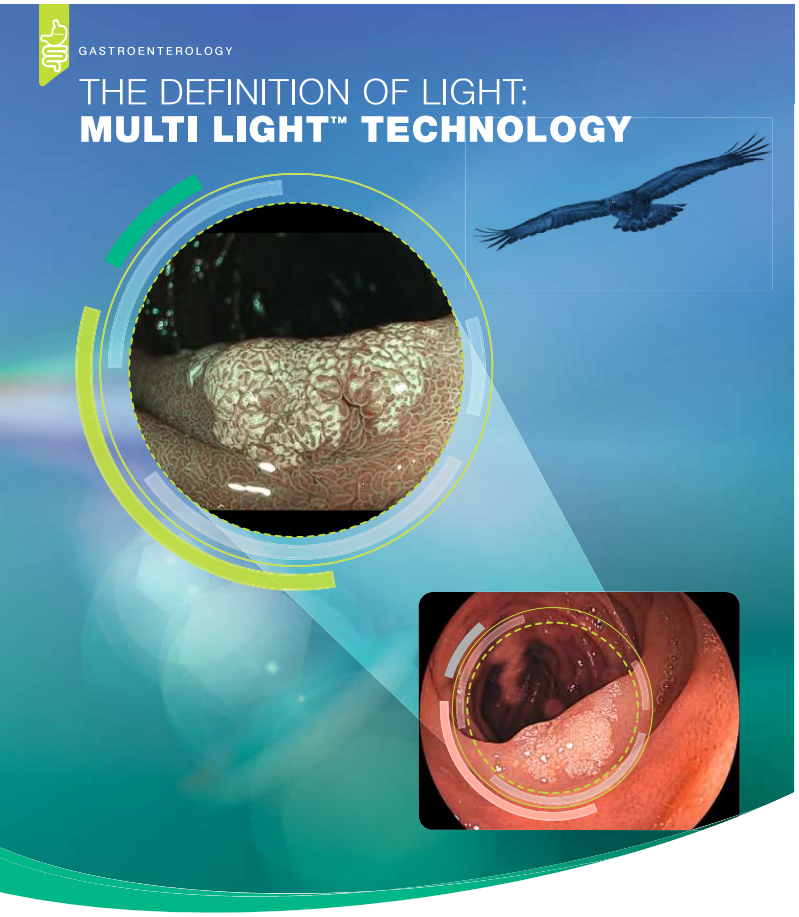
ELUXEO™
Endoscopy System

CONTENT

GASTROENTEROLOGY

THE DEFINITION OF LIGHT:
MULTI LIGHT™ TECHNOLOGY



FUJIFILM
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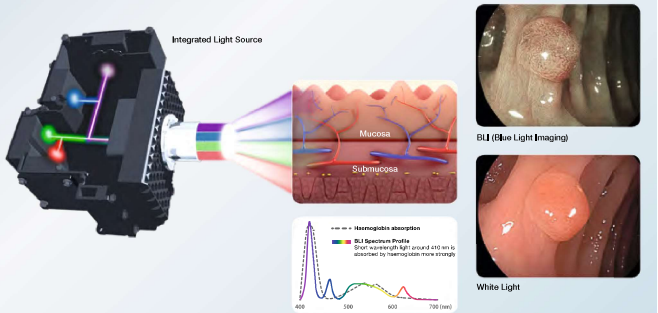
SEE MORE. DETECT MORE.

Achieving improved diagnostic and therapeutic results in endoscopic procedures is highly dependent on image quality. As one of the world's largest imaging company, our long-standing experience in medical imaging has allowed Fujifilm's engineers to develop Multi Light™ technology, fulfilling the need for improved visualisation in endoscopy – today and in the future.

This illumination system meets high standards in brightness and contrast providing the observation modes LCI and BLI.

Specifically designed for this illumination system, the ELUXEO™ 700 series of endoscopes featuring Multi Zoom and Freeze function provides detailed high-resolution imaging for both diagnosis and pre-therapeutic assessment.

IMPROVED ILLUMINATION USING VARIABLE LED LIGHT INTENSITY



- A high performance spectrum of light is generated from a powerful light source with four individual LED light bulbs.
- Enhanced visualisation of haemoglobin, and thus blood vessels, is generated by the high peak intensity of short-wavelength light (blue-violet and blue).
- Specific light spectrum settings targeting the mucosal layers result in improved contrast and higher definition of imaging.

This drawing is for illustration only and not a complete representation.

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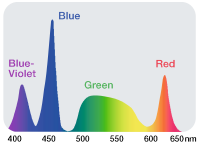
EFFECTIVE LIGHT CONFIGURATION
FOR EXCELLENT VISUALISATION

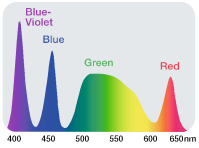
High-intensity illumination based on Multi Light™ technology creates high-quality images with White Light Imaging and the observation modes LCI and BLI. With the involvement of numerous clinical experts, the ideal composition of four LEDs for each observation mode has been developed to achieve excellent results in illumination. With a simple push of a button, you can easily switch between the following observation modes:

EFFECTIVE LIGHT CONFIGURATION OF FOUR LEDS

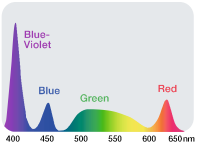
WHITE LIGHT IMAGING



LCI MODE

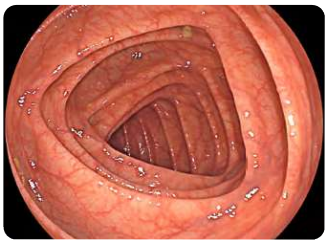


BLI MODE

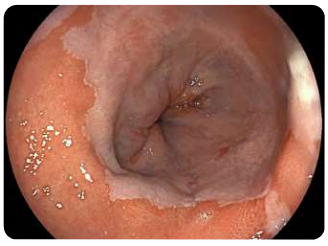


WHITE LIGHT IMAGING

This endoscopy system provides high image quality in terms of sharpness and brightness to gather suitable visual information for diagnostic and therapeutic procedures in daily clinical practice.



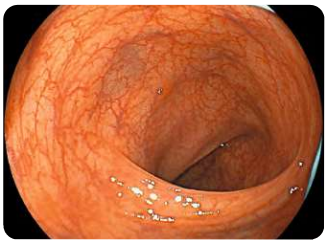
Colon – White Light Imaging



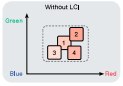
Oesophagus – White Light Imaging

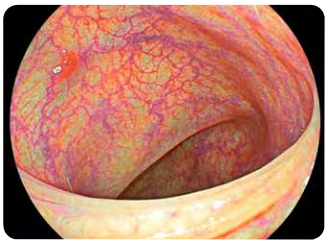
LCI (LINKED COLOR IMAGING) MODE

LCI differentiates the red colour spectrum more effectively than White Light Imaging thanks to its pre-process composition of light spectrum and advanced signal processing. The increased colour contrast in red colour leads to improved visibility of abnormalities, inflammation and delineation.



Colon – White Light Imaging

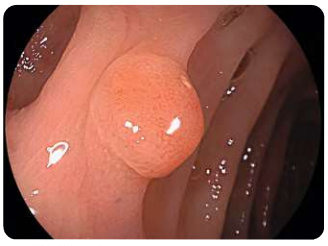




Colon – LCI Mode

BLI (BLUE LIGHT IMAGING) MODE

High-intensity contrast imaging with BLI is expected to be helpful for improved visualisation of superficial vascular and mucosal patterns. Focussing on the characteristics of short wavelength absorption of haemoglobin (at 410 nm) combined with specific white light spectral colours results in improved contrast imaging.



Colon – White Light Imaging

Colon – BLI Mode

GASTROENTEROLOGY

145 x MULTI ZOOM*
FOR DETAILED CHARACTERISATION

FUJIFILM
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OPTICAL MAGNIFICATION

The easy-to-control Step Zoom function supports efficient work of the optical zoom with a simple press of a button. Users are able to choose between the 2-, 3- or 5-Step mode or continuous zoom mode to meet individual needs and adjust to the preferred setting for the endoscopic procedure.

Fujifilm's Multi Zoom serves with a maximum optical magnification of 145 x* to provide a highly detailed image of the mucosal surface and vascular patterns.

2-Step Zoom with a magnification of about 60 x

VARIOUS MULTI ZOOM MODES

Mode	Magnification setting: Normal	Low (about 60 x)	Middle (about 85 x)	High (about 100 x)	Maximum (145 x)*
2-Step Zoom	●	●			
3-Step Zoom	●	●	●		
5-Step Zoom	●	●	●	●	●
Continuous Zoom	●	●	●	●	●

EG-760Z, EC-760Z and EC-760ZP are equipped with the Multi Zoom function.

3-Step Zoom with a magnification of about 85 x

SMOOTH OPERATION

The location of the switch button on the endoscope has been enhanced. Due to improved ergonomic design, switching to the next zoom level is even easier and more straight forward, being expected to facilitate precise and comfortable manoeuvrability of the endoscope.

5-Step Zoom with a magnification of about 145 x*

*In combination with 26" screen.

GASTROENTEROLOGY

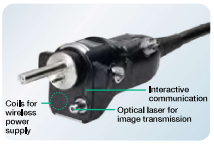
EFFICIENT HANDLING
PLUG IN AND PROCEED

FUJIFILM
Value from Innovation

The ELUXEO™ 700 series of Fujifilm endoscopes with One-Step Connector and easy-to-control G7 grip is designed to lead you efficiently and effectively through your examination.

ONE-STEP CONNECTOR FOR EASY PLUG-IN

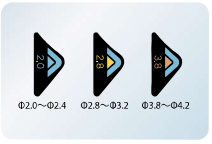
The One-Step Connector can be plugged in easily and the 700 series endoscopes is the first to incorporate an integrated wireless power supply that provides high speed transmission of data. The design helps to simplify the cleaning process and also reduces the potential for accidental damage.



G7 GRIP FOR COMFORT IN DAILY PRACTICE

In close cooperation with leading endoscopists, Fujifilm has renewed the layout and size of the components of the control portion and repositioned the angulation knobs to increase accessibility from the grip. The G7 grip is designed to have an easy and comfortable feel that improves performance and reduces stress during clinical procedures.

1 Colour code of G7 control portion
2 Identification colour of working channel size
3 Working channel diameter
4 Corporate brand logo
5 Model No.



Each 700 series endoscope displays the information required to choose compatible accessories, which helps to facilitate on-the-spot decision making.

GASTROENTEROLOGY

CMOS TECHNOLOGY
BRILLIANCE RIGHT FROM THE TIP

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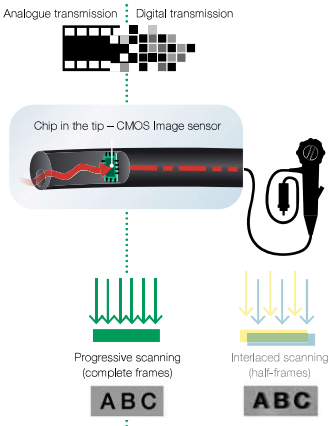
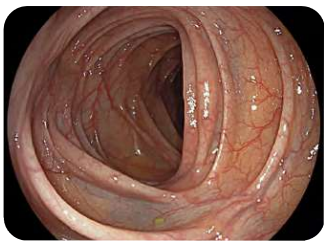
FUJIFILM'S CMOS TECHNOLOGY WITH MEGAPIXEL

With the CMOS chip built directly into the tip of the scope, the signal is digitally transmitted through the device, thus providing high-resolution imaging. All 760 endoscopes are equipped with CMOS.



The CMOS chip is positioned directly in the tip of the scope and transforms the analogue signal into a digital signal at the site of examination. This ensures **brilliant image transmission with reduced noise.**

CMOS technology supports 60 frames progressive scanning technology where complete images are processed, rather than the half-frames processed when using the interlaced scanning method. The result is a high-resolution image and smooth moving images with reduced blurring.



Colon in super high resolution

This drawing is for illustration only and not a complete representation.

GASTROENTEROLOGY

ELUXEO™ ULTRA MEETS ARTIFICIAL INTELLIGENCE

GOOD DESIGN AWARD 2019
For CAD EYE software

For further information on the Eluxeo Ultra platform visit www.eluxeo-ultra.com

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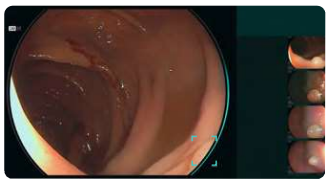
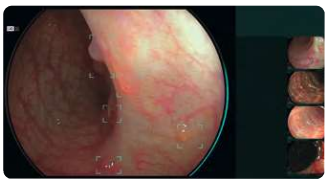
The novel function CAD EYE has been developed utilising AI deep learning technology and is compatible with Fujifilm's ELUXEO™ endoscopy series to support endoscopic lesion detection and characterisation in the colon.

CADEYE

REAL-TIME DETECTION LCI

CAD EYE is aimed to improve the real time polyp detection rate to expert level, helping to recognise flat lesions, multiple polyps simultaneously as well as any lesions at the corner of the image. CAD EYE Detection is possible with White Light and LCI (Linked Color Imaging) mode.


White Light Mode


LCI Mode

CHARACTERISATION SUPPORT BLI

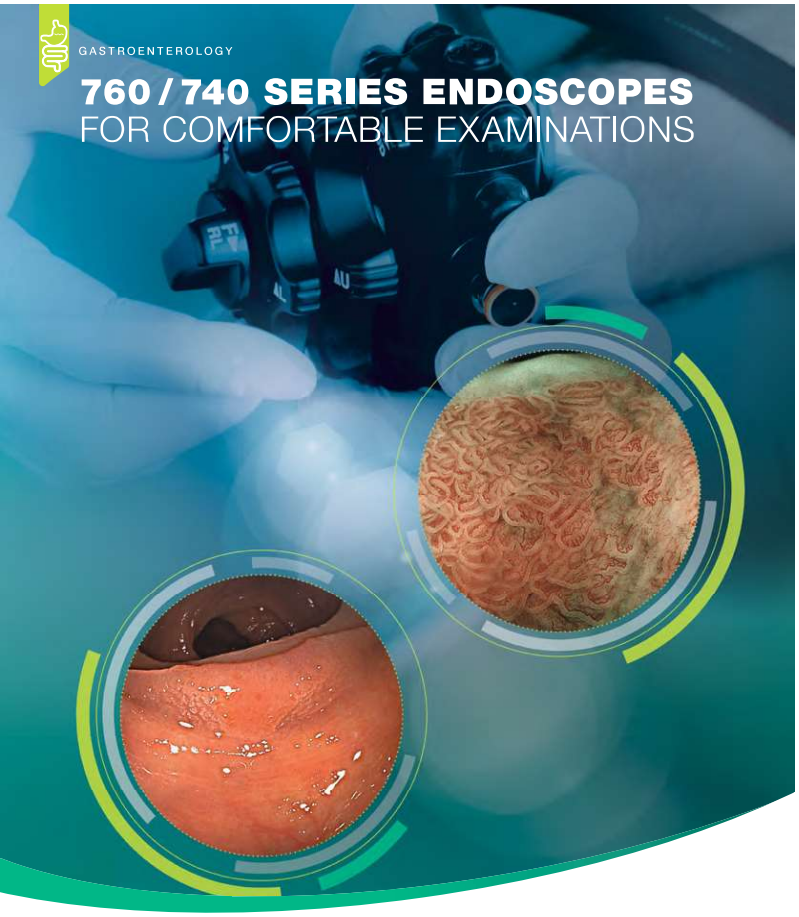
Once a suspected polyp is detected by CAD EYE Detection (WLI or LCI), CAD EYE Characterisation – in combination with BLI – can support endoscopists in the predictive histopathological diagnosis of the polyp. This function analyses in real-time and without freezing or zooming if a polyp is hyperplastic or neoplastic, which is visually indicated by the use of different colour codes in the Position Map. CAD EYE Characterisation is aimed to make procedures more efficient by increasing the accuracy of diagnosis to expert-level.*

BLI Mode – Neoplastic

BLI Mode – Hyperplastic

*According to the validation study, the accuracy of non experts with the assistance of CAD EYE Characterisation was equivalent to that of an expert.

FOR FURTHER INFORMATION VISIT WWW.CADEYE.EU



GASTROENTEROLOGY

760 / 740 SERIES ENDOSCOPES
FOR COMFORTABLE EXAMINATIONS

FUJIFILM
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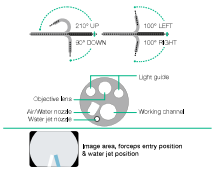
UPPER GI ENDOSCOPY

ELUXEO™ VIDEO GASTROSCOPE EG-760R

This routine gastroscope from the ELUXEO™ 760 series is equipped with CMOS technology and provides HD images and videos for daily practice. Close Focus allows observation from as little as 2 mm in depth.

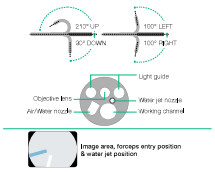
Field of view	140°
Observation range	2–100 mm
Bending capability	Up 210°/Down 90° Right 100°/Left 100°
Distal end diameter	9.2 mm
Flexible portion diameter	9.3 mm
Working channel diameter	2.8 mm
Working length	1,100 mm
Total length	1,400 mm



ELUXEO™ VIDEO GASTROSCOPE EG-760Z Optical Magnification

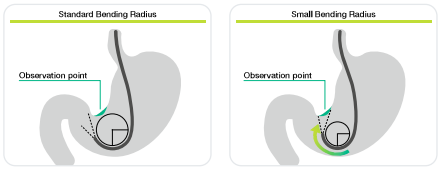
This zoom gastroscope features the well-known 145x Multi Zoom* which leads to clear and more detailed visualisation, supporting deeper analysis of mucosal structures. It has a small bending radius and similar functionality to the routine gastroscope including all features.

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°
Distal end diameter	9.9 mm
Flexible portion diameter	9.8 mm
Working channel diameter	2.8 mm
Working length	1,100 mm
Total length	1,400 mm



SMALL BENDING RADIUS

Features a tight bending section radius with improved angulation. It is designed to approach the targeted observation point and lesion more easily and with less effort.



*In combination with 26" screen.

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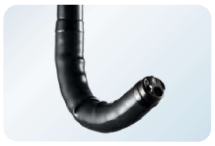
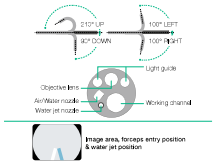
UPPER GI ENDOSCOPY

ELUXEO™ VIDEO GASTROSCOPE EG-760CT Therapeutic Type

This gastroscope from the ELUXEO™ 760 series is equipped with a large 3.8mm working channel that is especially suitable for therapeutic procedures compared to the standard gastroscope EG-760R with a working channel of 2.8 mm. In addition to therapeutic use, the gastroscope features LCI, intended to improve detection, and BLI, intended to characterise lesions, making it an excellent gastroscope for observation.

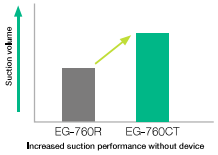


Field of view	140°
Observation range	2–100 mm
Bending capability	Up 210°/Down 90° Right 100°/Left 100°
Distal end diameter	10.5 mm
Flexible portion diameter	10.8 mm
Working channel diameter	3.8 mm
Working length	1,100 mm
Total length	1,400 mm

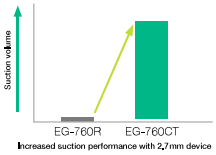


ENLARGED WORKING CHANNEL FOR IMPROVED SUCTION PERFORMANCE

The 3.8 mm working channel has a higher suction capacity compared to other gastroscopes, especially when the therapeutic accessory is inserted into the working channel.



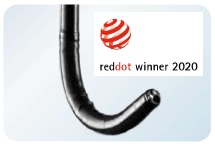
Increased suction performance without device



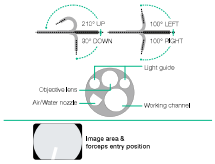
Increased suction performance with 2.7mm device

ELUXEO™ VIDEO GASTROSCOPE EG-740N UltraSlim Type

This ultraslim gastroscope with a distal end diameter of 5.8mm is expected to be useful for paediatric use and for cases featuring stenosis. The slim distal end also supports a soft transnasal insertion and offers a potential to alleviate patients' discomfort.



Field of view	140°
Observation range	3–100 mm
Bending capability	Up 210°/Down 90° Right 100°/Left 100°
Distal end diameter	5.8 mm
Flexible portion diameter	5.9 mm
Working channel diameter	2.4 mm
Working length	1,100 mm
Total length	1,400 mm

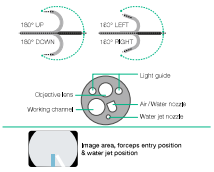


LOWER GI ENDOSCOPY

ELUXEO™ VIDEO COLONOSCOPE EC-760R-V/M, I, L

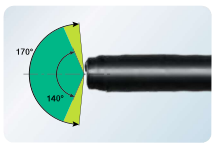
This routine colonoscope has a wide field of view of 170° as well as a large working channel diameter of 3.8 mm. It features the G7 grip and the Flexibility Adjuster. In addition, it has a slim diameter of 12.0 mm and includes a water jet function and CMOS technology.

Field of view	170°
Observation range	2–100 mm
Bending capability	Up 180°/Down 180° Right 160°/Left 160°
Distal end diameter	12.0 mm
Flexible portion diameter	12.0 mm
Working channel diameter	3.8 mm
Working length	1,330/1,520/1,690 mm
Total length	1,650/1,840/2,010 mm



WIDE 170° FIELD OF VIEW

With EC-760R and EC-760P, a wide 170° field of view is available. It is designed to observe and approach smoothly, even areas that are hard to observe, such as the reverse side of folds.



NEW

ELUXEO™ VIDEO COLONOSCOPE EC-760Z-V/M, L Optical Magnification

The new zoom colonoscope is an allrounder. It features the brilliant and easy-to-operate 145x Multi Zoom¹ magnification which leads to more detailed visualisation, supporting a deeper analysis of mucosal and vascular patterns. Compared to the EC-760ZP paediatric zoom type, it comes with a stiffer insertion tube and a larger working channel (3.8 mm vs. 3.2 mm), making it well suited also for basic therapeutic procedures.

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°
Distal end diameter	12.8 mm
Insertion tube diameter	12.8 mm
Working channel diameter	3.8 mm
Working length	1,330 mm / 1,690 mm
Total length	1,650 mm / 2,010 mm