

**NEVER
STOP**

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ELUXEO ULTRA

THE FUTURE-ORIENTED ENDOSCOPY PLATFORM

FROM
SCREENING TO
TREATMENT

FUJIFILM
Value from Innovation





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SELECTION OF OUR TECHNOLOGIES



MULTI LIGHT TECHNOLOGY

Illumination suitable for observation using variable LED light intensity.



WATER JET TECHNOLOGY

The Water Jet function supports constant visualisation for both diagnostic and therapeutic procedures.



LCI TECHNOLOGY

Increased contrast in red colour leads to improved visibility of abnormalities, inflammation and delineation.



COLOASSIST TECHNOLOGY

Flexible adjustment to be expected for easier insertion in addition to advanced force transmission and adaptive bending.



BLI TECHNOLOGY

The combination of special light wavelengths results in improved contrast imaging for characterisation.



DICOM TECHNOLOGY

The goal of the DICOM Standard is to achieve compatibility and improve workflow efficiency between imaging systems and other information systems.



CAD EYE

This function, developed utilising AI technology, supports colonic polyp detection and characterisation during colonoscopy.



MULTI ZOOM TECHNOLOGY

Easy-to-control optical magnification in stepwise or continuous magnification mode.



SCALE EYE

Virtual scale function designed to aid endoscopists in estimating the size of lesions in the colon.



ANTI-BLUR FUNCTION

The clearest image among multiple images is automatically selected.



COLOASSIST PRO

Endoscope visualisation function which displays the configuration of the endoscope in real-time.



CLOSE FOCUS

Observation up to 2 mm supports diagnosis of the disease.



CMOS TECHNOLOGY

Brilliant image transmission with reduced noise thanks to a CMOS-chip positioned directly in the tip.



HD TECHNOLOGY

Combine equipment displaying this logo to ensure that you view HDTV images on your monitor.



SUPER CCD TECHNOLOGY

The Super CCD and high-performance optical system provides high-quality images.



ELUXEO ULTRA PLATFORM

ELUXEO MEETS INDIVIDUAL NEEDS



ADVANCED ENDOSCOPY, FUTURE TOOLS AND TECHNOLOGIES

ELUXEO ULTRA is a constantly evolving platform, based on Fujifilm's ELUXEO System. It features our AI based endoscopy technology CAD EYE which is one of the first tools detecting and characterising lesions in the colon in real-time.

ColoAssist PRO – Fujifilm's Endoscope Visualisation System – displays the anatomical configuration of the endoscope in real-time by reproducing a coloured graphical representation of the endoscope next to endoscopic view.

The G-EYE® 760R endoscope is equipped with a permanently integrated reusable balloon at the bending section which can be inflated on demand and thereby flattening the colonic walls and stabilising the endoscope.

SCALE EYE is the latest development – a virtual scale designed to aid endoscopists in estimating the size of lesions in the colon.

FROM SCREENING TO TREATMENT

The ELUXEO ULTRA platform can be configured individually to your needs and therefore provides enhanced support to physicians. And that's not all: the platform will accommodate a range of future tools and technologies as they evolve, so our best endoscopy system for you and your patients today will remain so tomorrow.

To meet your individual needs the ELUXEO ULTRA platform offers a wide range of solutions supporting you in every step of your daily work. All ELUXEO colonoscopes are compatible with Fujifilm's CAD EYE AI technology.





ELUXEO MULTI LIGHT TECHNOLOGY FOR YOUR DAILY ENDOSCOPY PRACTICE



EXTENDED OPTIONS FOR ENHANCED SUPPORT

The ELUXEO system builds the basis for the ELUXEO Ultra platform and enables you to make use of the many features provided by Fujifilm's wide range of endoscopes, along with the LED illumination system and its visualisation modes LCI and BLI.

The processor creates high quality images and videos displayed in full HD on the monitor. Automatic back-up mode for data storage is integrated, and the processor is also DICOM compatible.

ELUXEO: 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 companies, 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 the high brightness and contrast standards enabling the observation modes LCI and BLI.

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

IMPROVED ILLUMINATION USING VARIABLE LED LIGHT INTENSITY

The diagram illustrates the integrated light source emitting a spectrum of light onto the mucosal layers (Mucosa and Submucosa). A graph shows the BLI Spectrum Profile (solid line) and Haemoglobin absorption (dotted line). The BLI spectrum has a high peak at approximately 410 nm, which corresponds to a strong absorption peak for haemoglobin. Two comparison images show the results: BLI (Blue Light Imaging) provides enhanced contrast of blood vessels, while White Light provides standard illumination.

- 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 purposes only and not a complete representation.

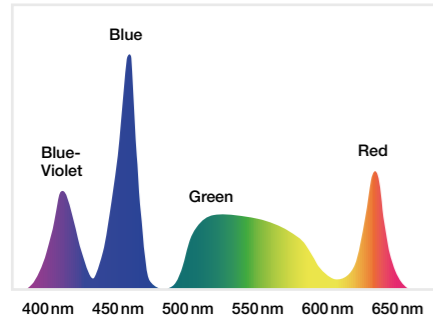


MULTI LIGHT TECHNOLOGY

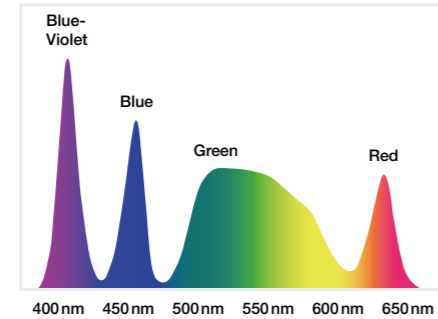


High-intensity illumination based on Multi Light technology creates high-quality images with White Light Imaging and the observation modes LCI and BLI. With the involvement of numerous clinical experts, the ideal composition of four LEDs for each observation mode has been developed to achieve excellent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

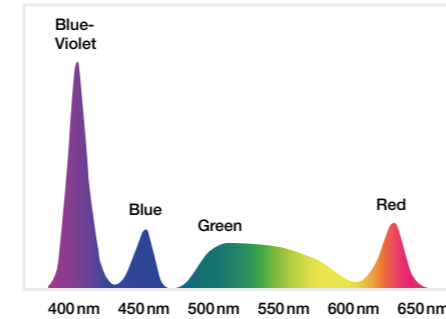
White Light Imaging



LCI mode



BLI mode



WHITE LIGHT IMAGING

The endoscopic system provides superior image quality in terms of sharpness and brightness to gather optimal visual information for diagnostic and therapeutic procedures in daily clinical practice.



Colon – White Light Imaging



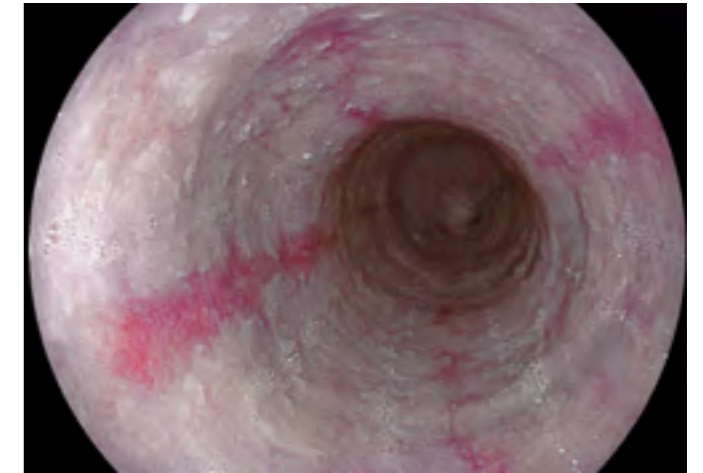
Oesophagus – White Light Imaging

LCI (LINKED COLOR IMAGING) MODE

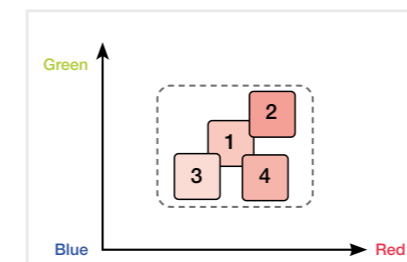
LCI differentiates the red colour spectrum more effectively than White Light Imaging thanks to its preprocess composition of light spectrum and advanced signal processing. The increased colour contrast in red colour leads to improved visibility of abnormalities, inflammation and delineation.



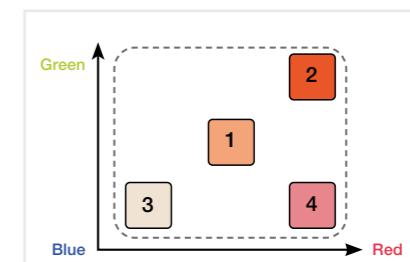
Oesophagus – White Light Imaging



Oesophagus – LCI Mode



without LCI



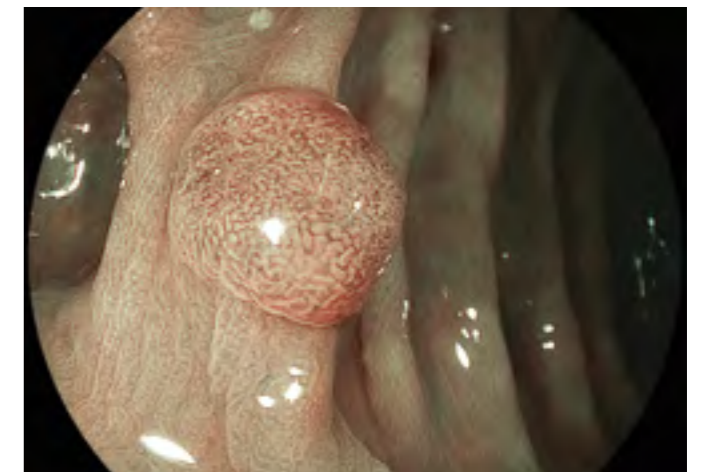
with LCI

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

CAD EYE ARTIFICIAL INTELLIGENCE



INTELLIGENT SUPPORT

CAD EYE has been developed utilising AI deep learning technology and aims to support endoscopic lesion detection and characterisation in the colon. CAD EYE works with all ELUXEO 700 series colonoscopes in combination with EW10-EC2 software and EX-1 hardware. It can easily be controlled with the endoscope switch or directly at the processor.



Full HD
endoscopy

Expansion Unit EX-1*

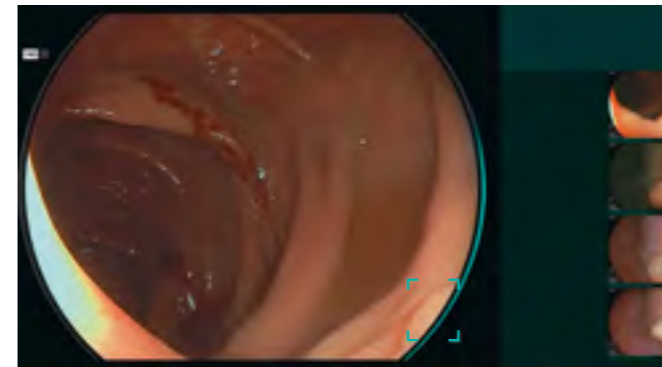


FOR COLONIC POLYP DETECTION & CHARACTERISATION

COMPATIBLE WITH ALL ELUXEO 700 SERIES COLONOSCOPES & G-EYE® 760R

REAL-TIME DETECTION **LCI**

CAD EYE is aimed at improving the real-time polyp detection rate to expert level, helping 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 intended to make procedures more efficient by increasing the accuracy of diagnosis to an experts' level.*



BLI Mode - Neoplastic



BLI Mode - Hyperplastic

POWERED BY
REILI

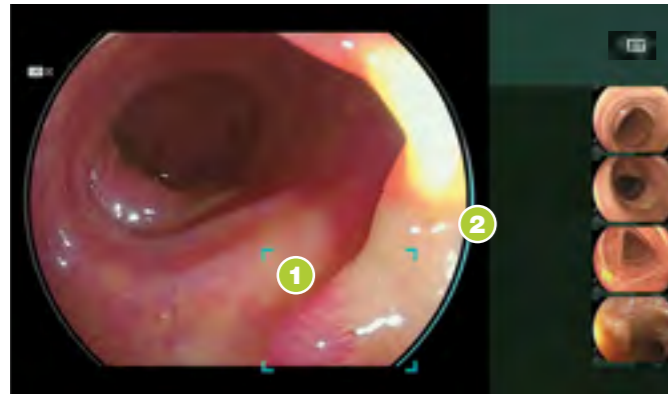


* Manufactured by EIZO Corporation, Japan. For further information on the EX-1 please see page 30.

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

USER-FRIENDLY INTERFACE

The development of the interface has been designed to enable comfortable procedures. It does not interfere with clinical images and minimises required eye movement. Its display is designed to be simple and intuitive for excellent support during long hours in the examination room.



Detection with LCI

- 1 **Detection box**
Displays the area where the suspicious polyp is detected. Different sizes of the Detection Box are available.
- 2 **Visual assist circle**
Lights up in the direction where the suspicious polyp is detected.
- Detection sound**
Sound signal when a suspicious polyp is detected. Volume can be defined for each user.



Characterisation with BLI

- 1 **Status bar**
Indicates the status of characterisation analysis regarding the suspicious area.
- 2 **Visual Assist Circle**
GREEN: Characterisation HYPERPLASTIC
YELLOW: Characterisation NEOPLASTIC
- 3 **Position map**
Indicates the position of the suspicious area, this software is characterising.
- 4 **Characterisation result**
HYPERPLASTIC: hyperplastic polyps & SSL
NEOPLASTIC: adenoma and cancer

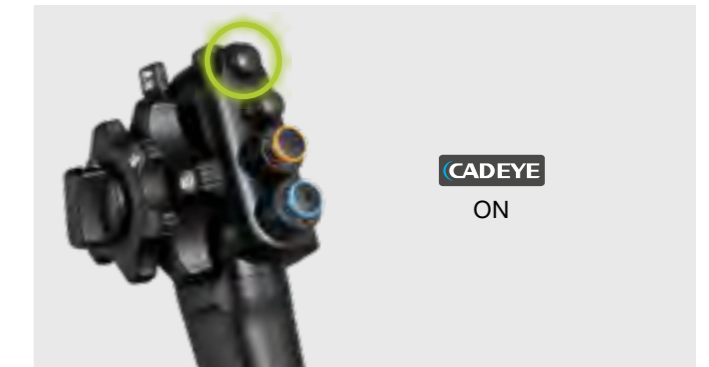
FOR YOUR DAILY EXAMINATION

CAD EYE can be activated and deactivated simply by a push on the endoscope button or directly at the processor. The function of each switch can be defined individually.

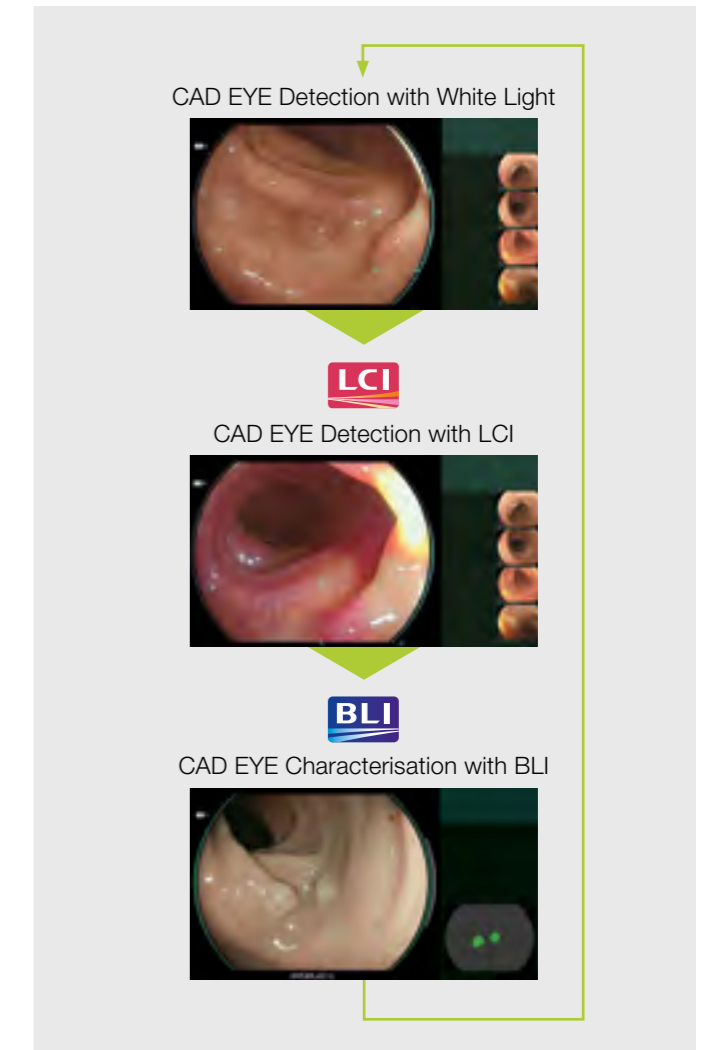
SCOPE SWITCH 3



SCOPE SWITCH 2



FUNCTIONS



ABOUT FUJIFILM'S AI TECHNOLOGY

Fujifilm has pursued and developed cutting-edge image processing technologies for many years. And in 2018, by utilising these technologies it has developed its proprietary medical AI technology.

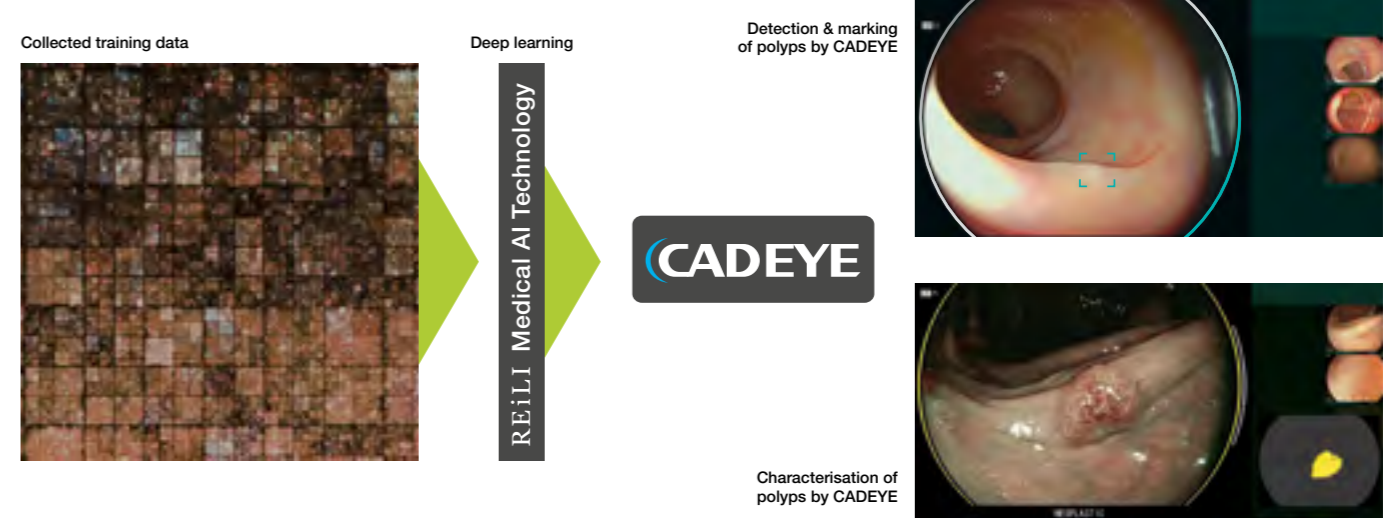
REiLI – medical AI technology

Fujifilm continues to develop technologies that can be applied to medical image diagnosis. One particular focus has been the development of technologies powered by REiLI for the radiology field as well as medical ultrasound and, more recently, endoscopy.



DEEP LEARNING TECHNOLOGY

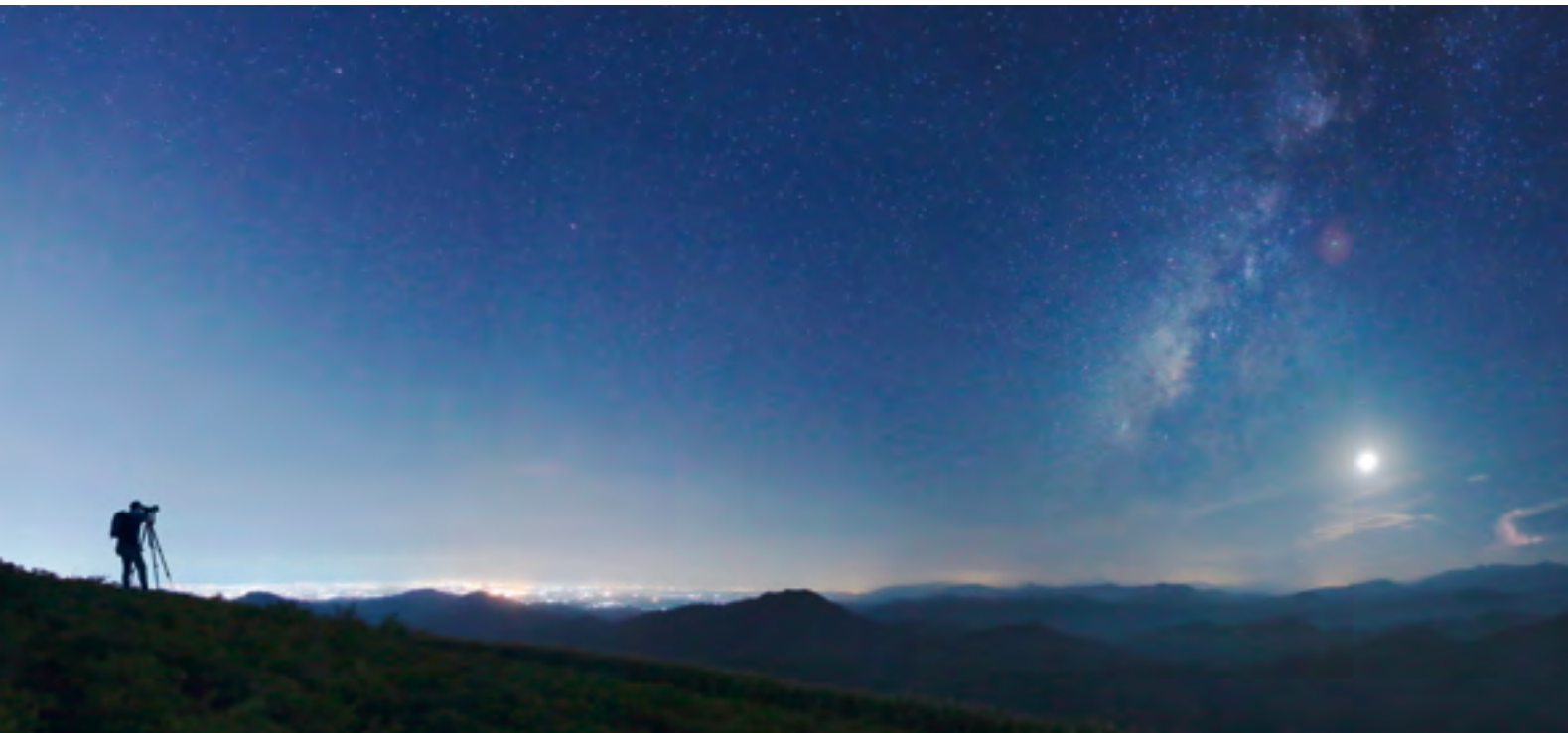
CAD EYE has been developed utilising AI deep learning technology. It has been trained with a powerful supercomputer located in Fujifilm's global AI technology centre in Tokyo, utilising an immense amount of clinical images using Fujifilm endoscopy systems. As a result, CAD EYE is a customised detection and characterisation support compatible with the ELUXEO system.



FUJIFILM'S HISTORY OF INNOVATIONS IN ARTIFICIAL INTELLIGENCE

| | | | | | | | |
|--|---|--|---|---|---|---|---|
| <p>1956 Launched the FUJIC calculator</p> | <p>1983 Launched the world's first digital radiography system: FCR</p> | <p>1996 Launched patented image intelligence algorithms in the consumer photo marketplace</p> | <p>1999 Released the industry's first web-based Radiology PACS</p> | <p>2007 Launched facial image recognition in digital still cameras</p> | <p>2010 Launched Synapse 3D's simulator for organ recognition/selection Launched support for mammography CAD</p> | <p>2014 Launched Virtual Grid™ processing, which enhances image contrast & clarity</p> | <p>2018 Launched the REiLI artificial intelligence platform & deep learning engines</p> <p>POWERED BY REiLI</p> <p>Brain(s) creative AI center installed NVIDIA's DGX-2 for AI development</p> <p>Launched AI algorithms for bridge crack detection to support infrastructure improvements</p> <p>Entered joint research agreement with Indiana University School of Medicine for AI medical imaging development</p> <p>Announced joint collaboration with Lunit Inc. & Salud Digna to help radiologists evaluate AI technologies for diagnostic imaging</p> |
| Machine learning | | | Deep learning | | | | |
| Image processing | | Image recognition | | Diagnostic support | | | |

COLOASSIST PRO ENDOSCOPE VISUALISATION SYSTEM



EXCELLENT VISUALISATION

Fujifilm's Endoscope Visualisation System displays the configuration of the endoscope in real-time by reproducing a coloured graphical representation of the endoscope next to endoscopic view.

Three display modes support physicians in understanding the behaviour of colonoscopes during the intubation, to enable the identification of loop formation and to reduce patient burden during an endoscopy.



The endoscope shape is to be displayed on the monitor for VP-7000 by using the PoP function

Design Award Winner
Endoscope Visualisation System



REAL-TIME VISUALISATION

How the Visualisation System works

Coils within the Transceiver Dish generate an electromagnetic field that is received by coils integrated within the length of the dedicated ELUXEO EC-760S-G/L, M colonoscope and within the Hand Marker.

This electromagnetic field is used to determine the position of the coils in the endoscope, in order to reproduce a graphical representation of the endoscope next to endoscopic view*. The current position of the Hand Marker is displayed on the endoscope shape visualisation screen which can be used to refer to the endoscope's location within the patient.



FUNCTIONALLY DESIGNED

Amongst other features, the dedicated ELUXEO EC-760S-G/L, M colonoscope is available in two lengths and is equipped with CMOS, LCI, BLI, Flexible Adjuster and Adaptive Bending technology. This system is complemented by the functionally designed Endoscope Visualizer (EV-3D), the Hand Marker (EV-HM), the Transceiver Dish (EV-TD1) and the Transceiver Dish Stand (EV-TD2).

The graphic representation of the colonoscope can be displayed alongside the endoscopic image on the same monitor, or optionally on a second monitor*.

When being shown on the same monitor via PoP function, the graphic representation of the colonoscope can be captured by VP-7000 along with the endoscopic still images for further documentation of the procedure.



* The endoscope shape is to be displayed on the monitor for VP-7000 by using the PoP function

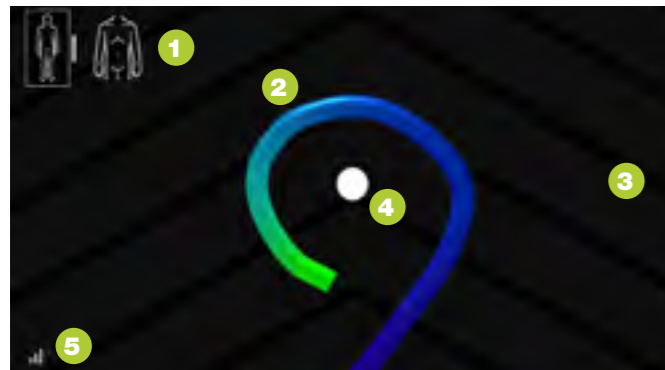
DESIGNED FOR EASY OPERATION

Fujifilm's Endoscope Visualisation System displays the configuration of the endoscope in real-time by reproducing a coloured graphical representation of the endoscope next to endoscopic view. The three display modes support physicians in understanding the behaviour of colonoscopes during the intubation, to enable the identification of loop formation and to reduce patient burden during an endoscopy.

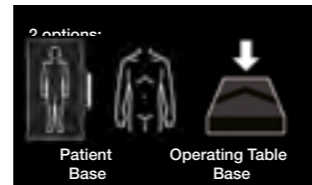
SIMPLE USER INTERFACE

Colour gradation for intuitive comprehension

Compared to a single-coloured visualisation, the gradated colour change of the virtual endoscope model aims to better identify overlapping parts of the endoscope (e.g. in loop formations).



- 1 Viewing direction:*
2 options: Patient base & Operating table base

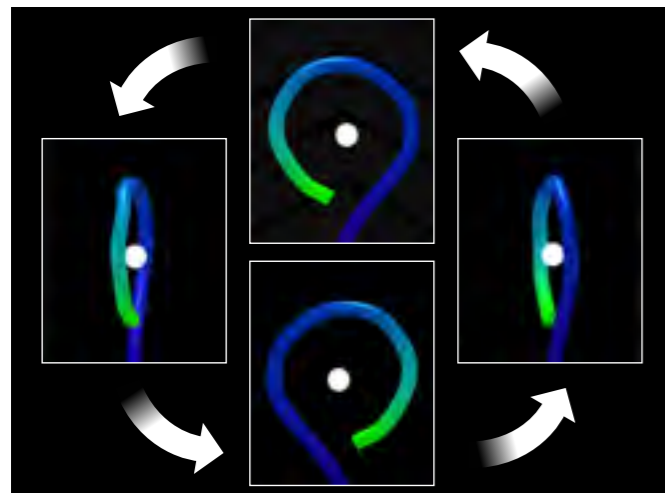


- 2 Endoscope graphic
- 3 Image of the operating table
- 4 Hand marker pointer
- 5 Setup indicator

FUNCTIONS

Image rotation

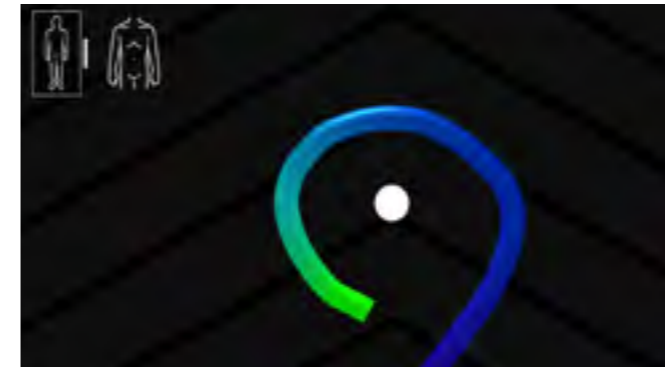
Viewing direction can be rotated/adjusted according to patient position*



* Patient Base and Operating Table Base only in Single and Dual Screen Mode

Three display modes

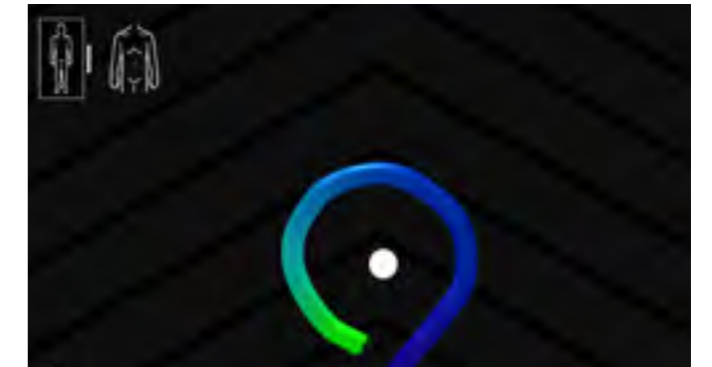
Set the preferred magnification level of the endoscope graphic (ratio 1 to 4)*



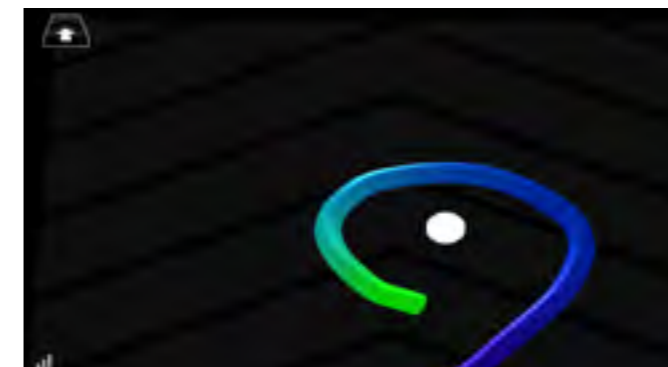
Single Screen Mode: Displays the endoscope model from one direction (out of 4)

Zoom function

Set the preferred magnification level of the endoscope graphic (ratio 1 to 4)*



Dual Screen Mode: Displays the endoscope model from two directions



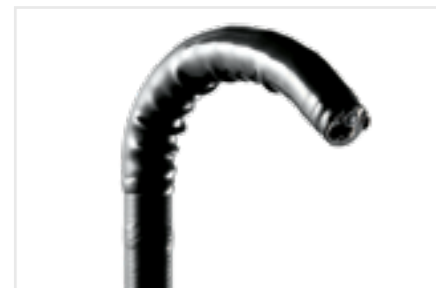
Sky View Mode: Displays the endoscope model obliquely from above the foot section of the patient

* Only in Single and Dual Screen Mode

EC-760S-G/L, M ELUXEO COLONOSCOPE Routine type

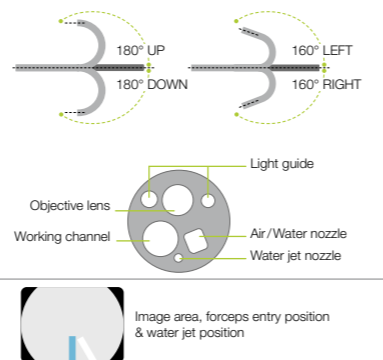


This routine colonoscope with visualisation function from the ELUXEO 760 series is equipped with CMOS technology and provides HD images and videos for daily practice. Close Focus allows observation from a distance as close as 2 mm. The system requires the Endoscope Visualizer EV-3D with peripherals (handmarker, transceiver dish). It is compatible with the CAD EYE AI technology.



3.8 A unique symbol for the endoscope with "Visualizer"

| | |
|-----------------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability | Up 180° / Down 180° Right 160° / Left 160° |
| Ø Distal end | 12.8 mm |
| Ø Flexible portion | 12.8 mm |
| Ø Working channel | 3.8 mm |
| Working length | 1,330 / 1,690 mm |
| Total length | 1,650 / 2,010 mm |
| Endoscope Visualizer | Compatible |



EV-TD1 TRANSCEIVER DISH



| | |
|---------------------------------|---|
| Magnetic field strength | Compliant with requirements of IEC 62311:2019 |
| Modulation system | Non-modulation |
| Effective radiated power | -80 dBm or less |
| Dimensions (W x H x D) | 260 x 260 x 80 mm (including projection) |
| Cable length | 7.0 m |
| Weight | 2.0 kg |
| Frequency band | 200–2000 Hz |

The Transceiver Dish has an articulating arm which enables to move the dish in parallel for the height adjustment. The recessed hand grips support a better grip and movement control. Weighted stand for stable manoeuvrability.

Transceiver Dish Stand EV-TD2

| | |
|-------------------------------|--|
| Dimensions (W x H x D) | 550 x 1260 x 550 mm (including projection) |
| Weight | 11.0 kg |

EV-3D ENDOSCOPE VISUALIZER



| | |
|-------------------------------|---|
| Power | 100–240V ~ 50/60 Hz |
| Current consumption | 1.0 – 0.7 A |
| Video Output | DVI-I (1280x1024px/ 1920x1080px) HD-SDI (1920x1080px) |
| Supported endoscopes | EC-760S-G/L, M |
| Dimensions (W x H x D) | 380 x 80 x 445 mm (including projection) |
| Weight | 6.5 kg |
| Frequency band | 200–2000 Hz |

Designed to be stackable with the ELUXEO VP/BL-7000 system.*

EV-HM HAND MARKER



| | |
|-------------------------------|---|
| Dimensions (W x H x D) | 26 x 110 x 50 mm (including projection) |
| Cable length | 2.5 m |
| Weight | 120 g |

The Hand Marker has a rounded design and the cable is positioned at the side to avoid interference with the hand movements during procedures. The hook consists of a soft material considering the physical contact to the patient's abdomen. The four viewing directions can be set with one switch**. The Hand Marker can be reprocessed in Automated Endoscope Reprocessors.

* When these three devices are stacked up on the shelf, please place EV-3D at the bottom of the stack
** Only in Single and Dual Screen Mode



ELUXEO FEATURING G-EYE®



Assisting visualisation, stabilisation and control during colonoscopy: Besides detection enhancement, physicians could benefit from the G-EYE® system throughout the whole procedure, from assistance in delooping during intubation, via Controlled Withdrawal™ that reduces bowel slippage, through to supporting therapeutic interventions e.g. EMRs by stabilising and anchoring the endoscope tip.

INTUBATION



G-EYE® could be used for delooping with anchoring function

DETECTION



G-EYE® flattens topography to detect hidden polyps

CHARACTERISATION



G-EYE® stabilises the endoscope during characterisation

TREATMENT



G-EYE® stabilises the endoscope during treatment

Controlled Withdrawal™ with partially inflated balloon



Controlled Withdrawal™ with partially inflated balloon



FLATTENED TOPOGRAPHY

The G-EYE® 760R endoscope is equipped with a permanently integrated balloon at the bending section of the routine colonoscope. On demand, the reusable balloon can be inflated, thereby flattening the colonic walls and improving the detection of hidden polyps*. It is also compatible with CAD EYE AI technology.



FOR INCREASED ADR*

CONTROLLED WITHDRAWAL™ CENTRALISES ENDOSCOPE OPTICS, REDUCES BOWEL SLIPPAGE

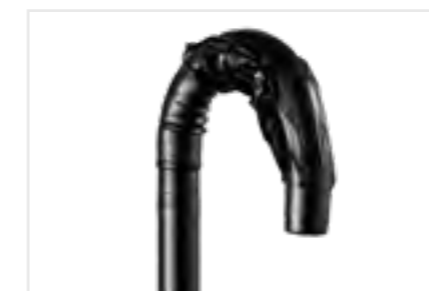
ENDOSCOPE STABILISATION DURING INTERVENTIONS

* "G-EYE colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial", Shirin H. et al., Gastrointestinal Endoscopy 2019; 89(3): 545-553
Halpern, Z. et al. Comparison of adenoma detection and miss rates between a novel balloon colonoscope and standard colonoscopy: a randomized tandem study (Endoscopy 2015; 47(03): 238-244 DOI: 10.1055/s-0034-1391437)

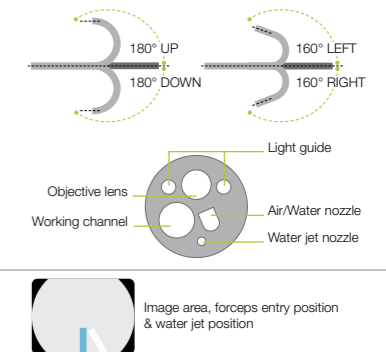
G-EYE® 760R



The G-EYE® endoscope is based on the ELUXEO EC-760R routine colonoscope, comes in three different lengths and features the same technical specifications including LCI and BLI imaging modes. To operate, the Spark2C Inflation System is required.



| | |
|------------------------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability (when deflated) | Up 180°/Down 180° Right 160°/Left 160° |
| Ø Distal end | 12.0 mm |
| Ø Insertion tube | 12.0 mm |
| Ø Working channel | 3.8 mm |
| Working length | 1,330/1,520/1,690 mm |
| Total length | 1,650/1,840/2,010 mm |
| Balloon diameter | Up to 55 mm |



SPARK2C INFLATION SYSTEM

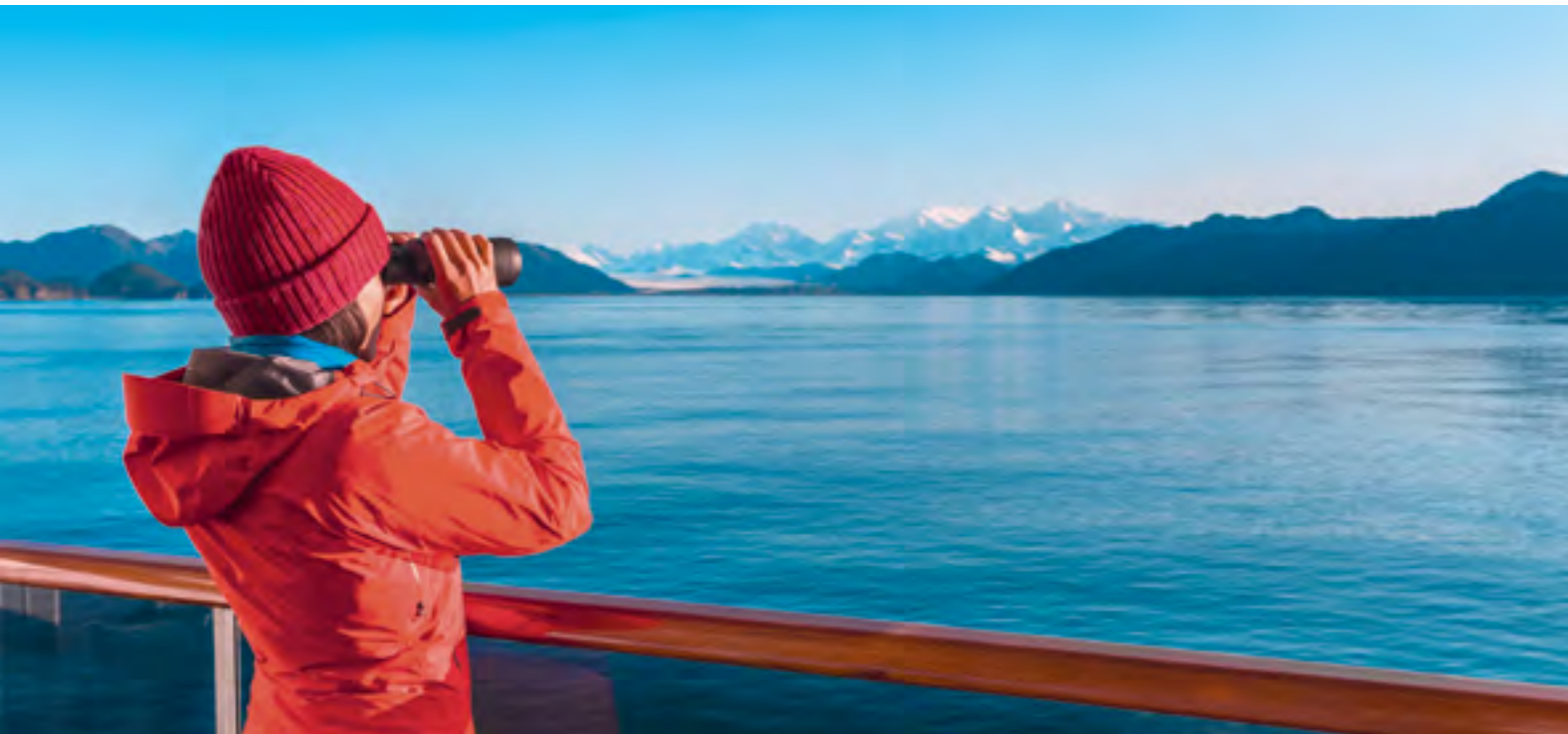


| | |
|-------------------------------------|--|
| Controlled Withdrawal™ pressure | Optical system centers in the lumen, minimal deflection during steady withdrawal |
| Compatible endoscope | G-EYE® 760R-VM / VI / VL (3 sizes) |
| Compatible Processor / Light Source | ELUXEO VP / BL-7000 / ELUXEO Lite EP-6000 |
| Inflation system | 3 intermediate and 1 anchoring pressure level |
| Control & foot panel | For simple operation |
| Hand-held leak tester | For additional automatic leak testing prior to AER |

Manufactured by Smart Medical Systems Ltd.



SCALE EYE VIRTUAL SCALE TECHNOLOGY



SCALE EYE



Simple User Interface

IMPORTANCE OF MEASUREMENT

The size of colonic lesions is considered important information, influencing optical diagnosis-based strategies (e.g. resect and discard), the surveillance interval and therapeutic interventions. However, it is not always straight-forward to estimate lesion size in the endoscopic field of view. Fujifilm has developed SCALE EYE¹, a function designed to aid endoscopists in estimating the size of lesions in the colon.

By simply pressing the endoscope switch, SCALE EYE is activated to support the endoscopist to determine the size of the lesion within the endoscopic field of view.

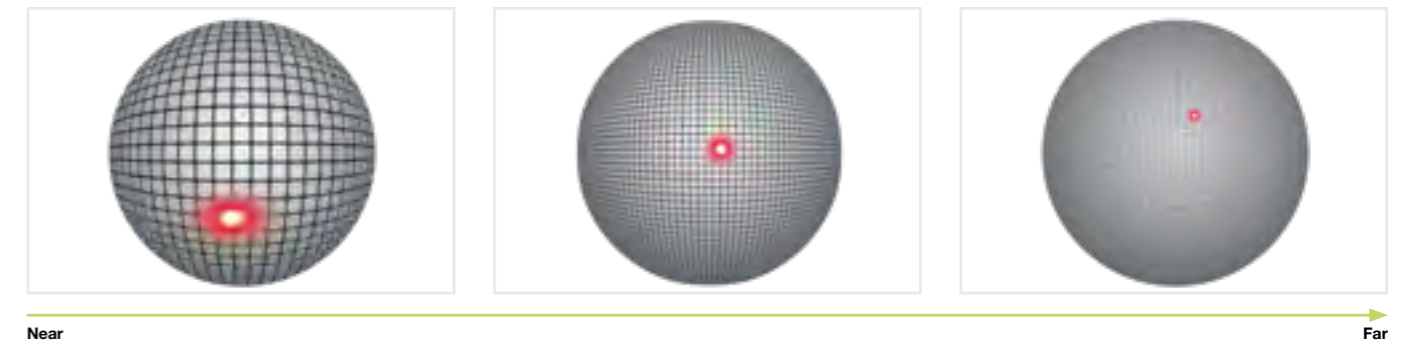
¹ More detailed information of SCALE EYE is provided in the operation manual

HOW SCALE EYE WORKS

Virtual Scale technology is intended to support endoscopists conducting colonoscopy by providing a size estimation of targeted lesions and clinically relevant artefacts which could be significant in clinical diagnosis.

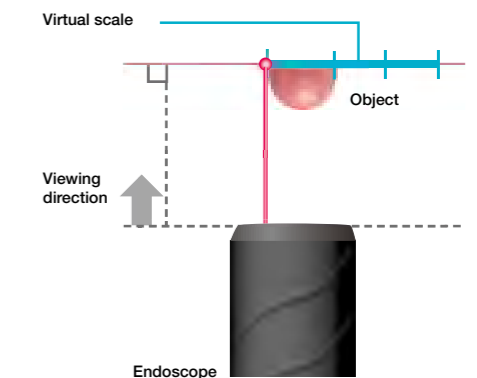
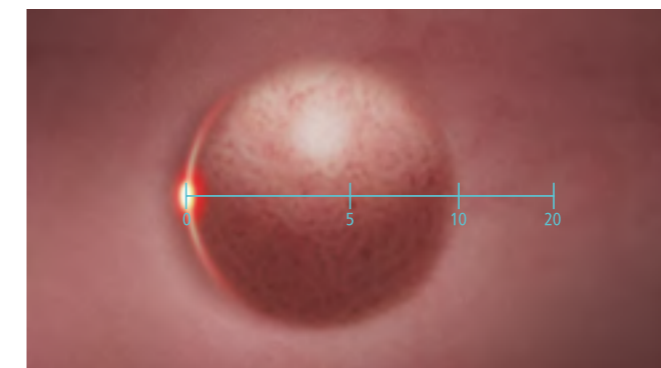
Laser-equipped endoscope

- The endoscope is equipped with a laser. The laser point is visible within the endoscopic image.
- The position of the laser point changes relative to the distance between the tip of endoscope and the object. Depending on this laser point position, the scale interval size adjusts automatically.



Virtual scale software

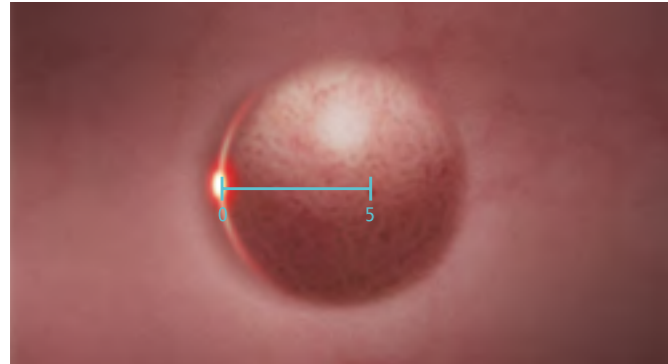
- The endoscopist positions the laser point to the extreme left side of the lesions horizontal centre-line.
- The software detects the position of the laser point in the endoscopic field of view and overlays the virtual scale within the endoscopic image.
- The endoscopist is then able to compare the overlaid Virtual Scale measurement with the extreme right edge of the lesions horizontal centre-line to estimate the size of the lesion.



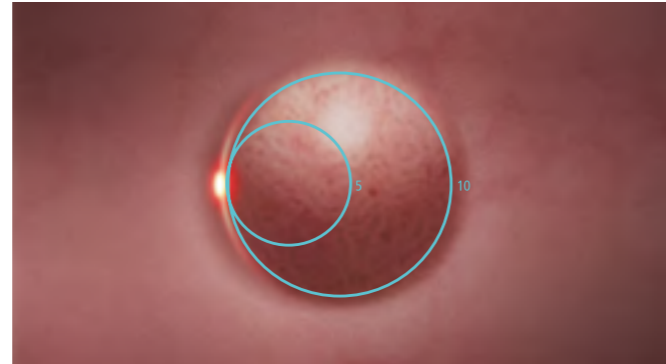


Multiple measurement scales

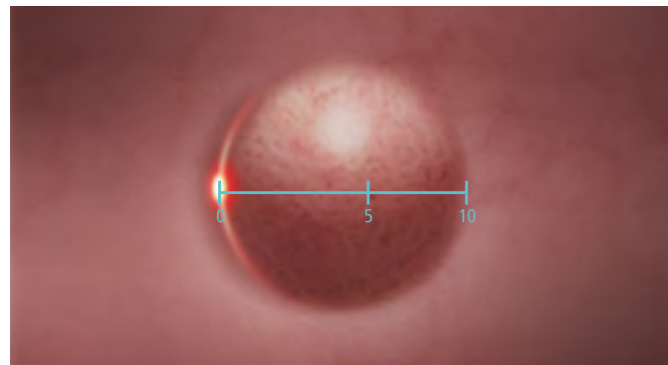
Five different scales are available according to the user preference.



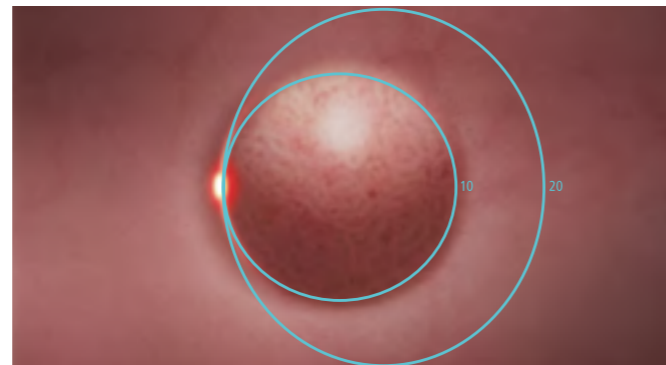
Line 5 mm



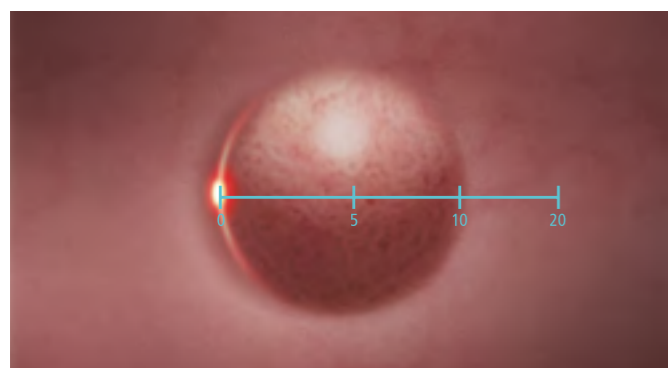
Circle 5-10 mm



Line 5-10 mm



Circle 10-20 mm



Line 5-10-20 mm

Error display

If the virtual scale has an error, it will show a yellow graphic display. This may occur when the object is out of the effective range (between 4 and 30 mm) or when the software cannot detect the laser.



Line error display

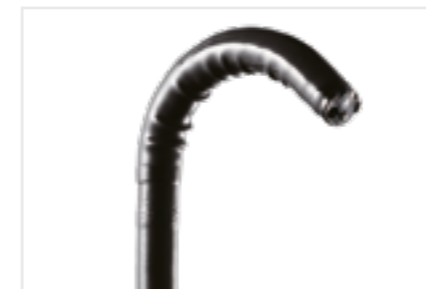


Circle error display

EC-760S-A/M, L ELUXEO VIDEO COLONOSCOPE

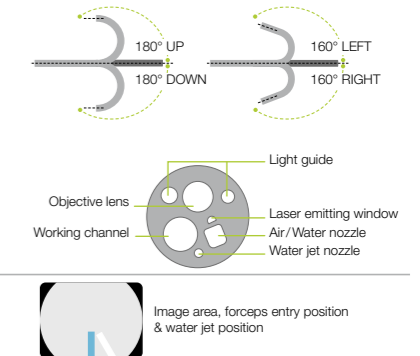


To enable virtual scale functionality, the EC-760S-A/M and EC-760S-A/L colonoscopes are equipped with a red laser, which must be used in combination with SCALE EYE software EW10-VM01 and EX-1* hardware. SCALE EYE can be used in combination with White Light or LCI mode and with CAD EYE.



A unique symbol for the endoscope with "Virtual Scale"

| | |
|--------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability | Up 180°/Down 180° Right 160°/Left 160° |
| ø Distal end | 12.8 mm |
| ø Flexible portion | 12.8 mm |
| ø Working channel | 3.8 mm |
| Working length | 1,330/1,690 mm |
| Total length | 1,650/2,010 mm |
| Virtual Scale | Compatible |



* For further information on the EX-1 please see page 30.

EX-1 EXPANSION UNIT*



The Expansion Unit EX-1 is required to install the software for storage purposes as well as for SCALE EYE and CAD EYE. All softwares are compatible with each other. The EX-1 is future-ready thus upcoming applications can be installed as well.



| | |
|-------------------------------|---|
| Compatible processor | VP-7000, EP-6000 |
| Video signals IN | DVI-I x1 (1920 x 1080) |
| Video signals OUT | DVI-I x1, DVI-D x1 (1920 x 1080) |
| Other connections | 2x RS-232C Connectors Front 1x USB 2.0, back 4 x USB 3.1 2x Network/LAN ports |
| Power rating | 100-240 VAC +/- 10%, 50/60 HZ 1.25 to 0.60 A |
| Dimensions (W x H x D) | 370 x 99 x 465.6 mm (including projection) |
| Weight | 7.1 kg |

EW10-SC01 SOFTWARE



EW10-EC02 SOFTWARE



EW10-VM01 SOFTWARE



| | |
|-------------------------------------|--|
| Compatible endoscopes | 700, 600 and 500 series endoscopes |
| Package content | USB flash drive installation for documentation function |
| Functions | - Movie and still image recording with preview function - Network function: Still image transfer via FTP/FTPS/DICOM storage, for video recording transfer via Samba network protocol - Automatic copy to external USB memory |
| Image storage specifications | Resolution: Full HD/ SXGA File format: TIFF/ JPEG |
| Video storage specifications | Resolution: Full HD, File format: MP4 Frame rate: 30 fps Max. recording time: 3 hours continuously** Internal memory: max. 90 hours** |

| | |
|------------------------------|---|
| Compatible endoscopes | 700 series colonoscopes |
| Package content | USB flash drive for CAD EYE installation |
| Functions | Detection and Characterisation support for colonic polyps |

| | |
|------------------------------|--|
| Compatible endoscopes | EC-760S-A/M, L |
| Package content | USB flash drive for SCALE installation |
| Functions | Virtual scale for measurement support |

* Manufactured by EIZO Corporation, Japan.

** From version 1.4.000 on.



ELUXEO COLONOSCOPES



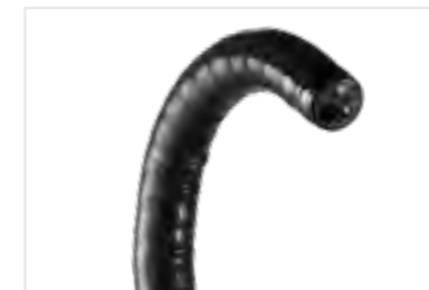
AI FOR COLONOSCOPY

All ELUXEO 700 series colonoscopes are compatible with Fujifilm's CAD EYE software to support physicians to detect and characterise colonic polyps, developed utilising AI technology.

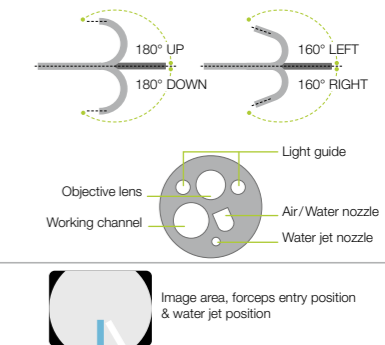
EC-760R-V/M, I, L ELUXEO VIDEO COLONOSCOPE Routine type



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.

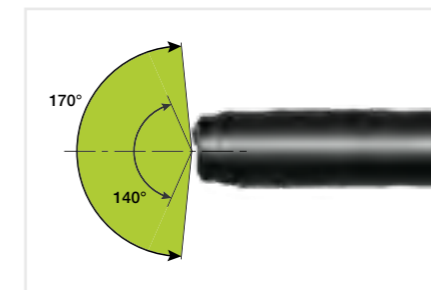


| | |
|--------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability | Up 180°/Down 180° Right 160°/Left 160° |
| Ø Distal end | 12.0 mm |
| Ø Flexible portion | 12.0 mm |
| Ø Working channel | 3.8 mm |
| Working length | 1,330/1,520/1,690 mm |
| Total length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



Wide 170° field of view

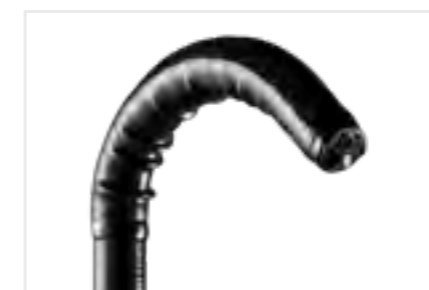
With EC-760R and EC-760P, a wide 170° field of view is available. It is designed to observe and approach smoothly, even areas that are hard to observe, such as the reverse side of folds.



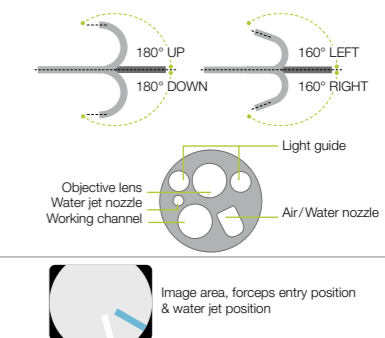
EC-760Z-V/M, L ELUXEO VIDEO COLONOSCOPE Optical magnification



The zoom colonoscope is an all-rounder. It features the brilliant and easy-to-operate 145x Multi Zoom* magnification which leads to more detailed visualisation, supporting a deeper analysis of mucosal and vascular patterns. Compared to the EC-760ZP ultra slim zoom type, it comes with a stiffer insertion tube and a larger working channel (3.8 mm vs. 3.2 mm), meaning it is also well-suited 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° |
| Ø Distal end | 12.8 mm |
| Ø Insertion tube | 12.8 mm |
| Ø Working channel | 3.8 mm |
| Working length | 1,330 mm/1,690 mm |
| Total length | 1,650 mm/2,010 mm |



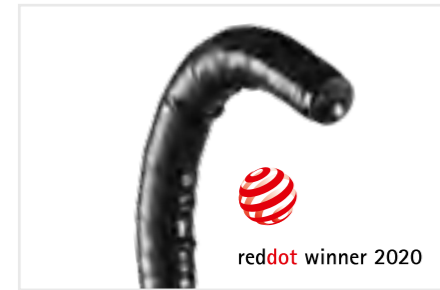
* In combination with 26" screen.
The CAD EYE AI technology is available for all colonoscopes.



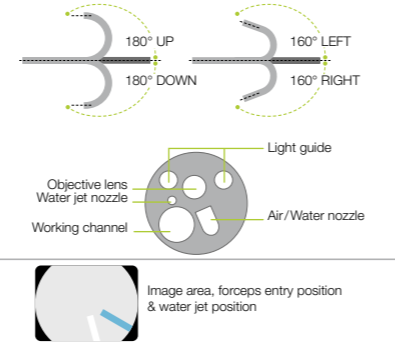
EC-760ZP-V/M, L ELUXEO VIDEO COLONOSCOPE Optical magnification



The slim zoom colonoscope features the brilliant and easy-to-operate Multi Zoom with 145x maximum magnification*. Together with BLI, details of the mucosal and vascular patterns become visible. Like the routine endoscope, it features the full range of functionalities including flexible adjustment even with the slim diameter of 11.8 mm.



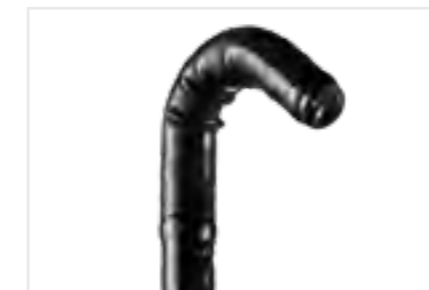
| | |
|---------------------------|---|
| Field of view | Normal 140°/Close 56° |
| Observation range | Normal 3–100 mm Close 1.5–2.5 mm |
| Bending capability | Up 180°/Down 180° Right 160°/Left 160° |
| Ø Distal end | 11.7 mm |
| Ø Flexible portion | 11.8 mm |
| Ø Working channel | 3.2 mm |
| Working length | 1,330/1,690 mm |
| Total length | 1,650/2,010 mm |



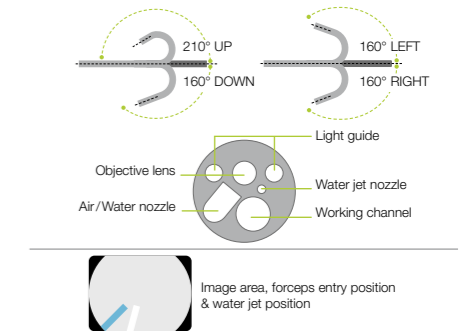
EC-740T/M, L ELUXEO VIDEO COLONOSCOPE Slim & treatment type



This slim colonoscope is equipped with Advanced Force Transmission, 210° up-angulation and a G7 grip that supports excellent manoeuvrability. It is expected to be useful for more challenging anatomies and narrow GI anatomy, such as stenosis, severe inflammation, or anatomical adhesion. With the additional observation modes LCI, intended to improve detection, and BLI, intended to characterise lesions, this is an excellent colonoscope for both observation and therapeutic procedures.



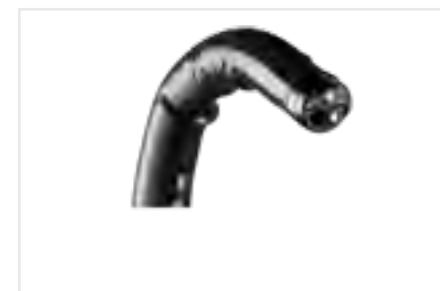
| | |
|---------------------------|---|
| Field of view | 140° |
| Observation range | 3–100 mm |
| Bending capability | Up 210°/Down 160° Right 160°/Left 160° |
| Ø Distal end | 9.8 mm |
| Ø Flexible portion | 10.7 mm |
| Ø Working channel | 3.2 mm |
| Working length | 1,330/1,690 mm |
| Total length | 1,630/1,990 mm |



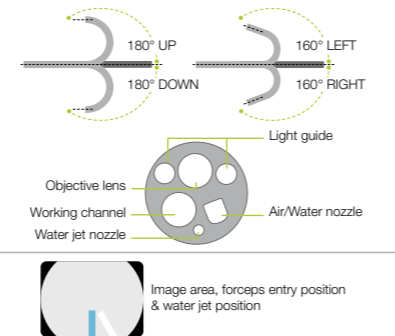
EC-760P-V/M, L ELUXEO VIDEO COLONOSCOPE Ultra slim type



This ultra slim colonoscope from the ELUXEO 760 series has a distal end diameter of only 11.1 mm and is therefore expected to be useful for narrow GI anatomy, cases featuring stenosis and therapeutic use. A wide 170° field of view enables a visualisation even in hard-to-observe areas. It features the G7 grip and the Flexibility Adjuster for easier insertion.



| | |
|---------------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability | Up 180°/Down 180° Right 160°/Left 160° |
| Ø Distal end | 11.1 mm |
| Ø Flexible portion | 11.5 mm |
| Ø Working channel | 3.2 mm |
| Working length | 1,330/1,690 mm |
| Total length | 1,650/2,010 mm |



SMART BEND

Smart Bend provides excellent manoeuvrability, observation and therapeutic treatments from 210° up-angulation and a small bending radius. It is expected to be useful for treatment of difficult-to-reach lesions.



Smart Bend colonoscope: Up to 210°



Colonoscope without Smart Bend

* In combination with 26" screen.
The CAD EYE AI technology is available for 700 series colonoscopes.



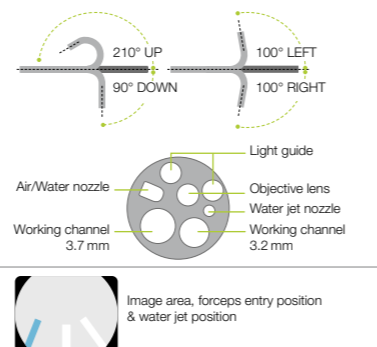
EI-740D/S ELUXEO VIDEO GASTROSCOPE & SIGMOIDOSCOPE Dual channel



The ELUXEO EI-740D/S is intended for use in both the upper gastrointestinal tract and sigmoid colon and combines the former EG-530D gastroscope, and ES-530WE sigmoidoscope in one exceptional endoscope. With its two instrument channels (3.7 and 3.2 mm) and improved suction performance, it is especially suitable for various therapeutic procedures.



| | |
|--------------------|--|
| Field of view | 140° |
| Observation range | 3–100mm |
| Bending capability | Up 210°/Down 90° Right 100°/Left 100° |
| Ø Distal end | 12.8 mm |
| Ø Insertion tube | 12.8 mm |
| Ø Working channel | 3.7 mm/ 3.2 mm |
| Working length | 1,030 mm |
| Total length | 1,330 mm |

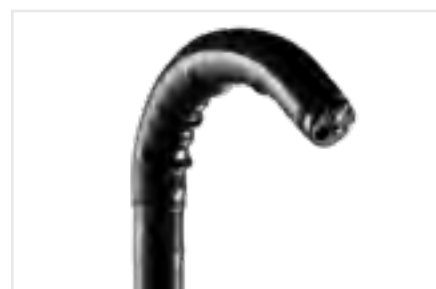


Large dual instrument channels

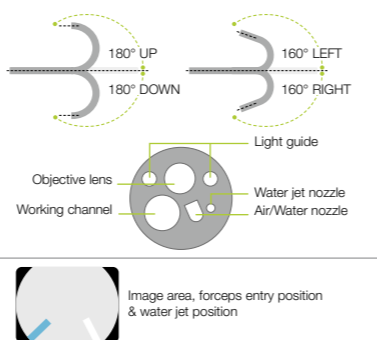
Compared to the 530 series dual instrument channel endoscopes, the EI-740D/S endoscope has an improved instrument channel capacity. The smaller instrument channel is increased from 2.8 to 3.2 mm, therefore providing an 3.2 and 3.7 mm dual instrument channel configuration. By accommodating two endotherapeutic devices simultaneously, the endoscope allows for a broader range of therapeutic possibilities.



EC-720R/M, I, L ELUXEO Lite VIDEO COLONOSCOPE Routine type



| | |
|--------------------|---|
| Field of view | 170° |
| Observation range | 2–100 mm |
| Bending capability | Up 180°/Down 180° Right 160°/Left 160° |
| Ø Distal end | 12.8 mm |
| Ø Flexible portion | 12.8 mm |
| Ø Working channel | 3.8 mm |
| Working length | 1,330/1,520/1,690 mm |
| Total length | 1,630/1,820/1,990 mm |



COLOASSIST ADJUST

Specifically developed for the 760 series colonoscopes

ColoAssist Adjust features the Flexibility Adjuster with different levels of stiffness as well as Advanced Force Transmission and Adaptive Bending, expected to be helpful for manoeuvrability.

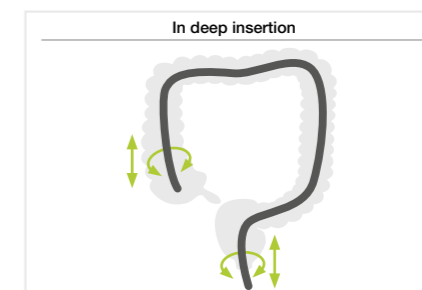
FLEXIBILITY ADJUSTER

The stiffness of the flexible portion of the colonoscope can be easily adjusted according to your preference by turning the flexibility adjustment ring (level 0 to 3). This is expected to be helpful during intubation when passing segments such as the sigmoid colon and the transverse colon, leading the endoscope to follow the intestinal tract more smoothly.



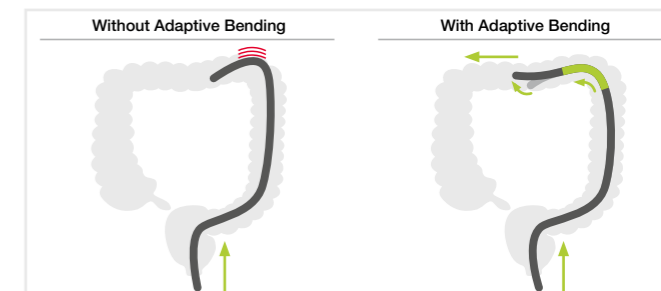
ADVANCED FORCE TRANSMISSION

The flexible portion is designed to transmit the pushing, pulling and rotating movements from the hand to the distal end of the endoscope. It is intended to be helpful for manoeuvrability inside the digestive tract.



ADAPTIVE BENDING

The end of the bending section is soft, allowing the endoscope to bend easily. The flexible bending section has been designed to return more easily to its straight form after passing through the tight curves of the colon.



BL-7000 & VP-7000



FOR DEMANDING PROCEDURES

Our long-standing experience in developing imaging technologies also provides you with an excellent processor for your application at all times.

All models offer digital image processing and video interfaces. With ergonomic user controls, these video processors save valuable time and facilitate more comfortable examinations.



Video Processor VP-7000

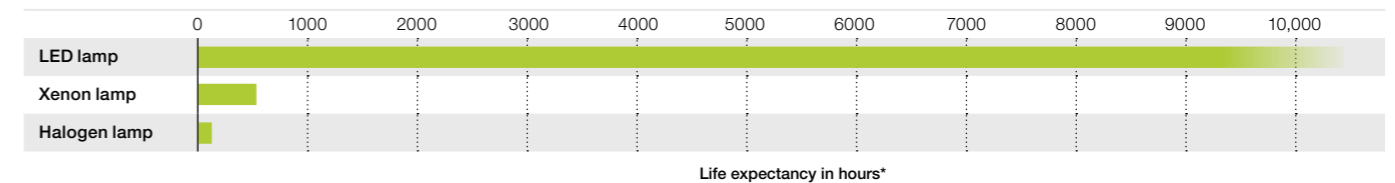
Light Source BL-7000



BL-7000 ELUXEO 4-LED LIGHT SOURCE with high durability

A reliable light source is a prerequisite for use in large clinics as well as smaller outpatient centres to ensure procedures can take place as scheduled. To achieve high standards, the eco-friendly ELUXEO 7000 system features the 4-LED Multi Light Source, which outperforms conventional Xenon or Halogen light sources: With 10,000 hours* average life expectancy for the LED lights, the ELUXEO system has far longer durability while having much lower energy consumption, resulting in better cost-efficiency.

| | |
|--------------------------|---|
| Light source | 4-LED |
| Air supply pump | High, Mid, Low, Off |
| Power rating | 100–240 V, 50/60 Hz, 1.2–0.7 A |
| Dimensions (W x H x D) | 390 x 155 x 485 mm (including projection) |
| Weight | 12.0 kg |
| Optical radiation safety | Class 1 LED product |



Our confidence in the ELUXEO system BL-7000 is reflected by Fujifilm's **Durability Warranty**, which covers any defect of the LED light source unit that is attributable to a manufacturing or assembly fault under normal use for a period of five years or 10,000 operating hours, whichever comes first.*

VP-7000 ELUXEO HIGH-PERFORMANCE VIDEO PROCESSOR



The ELUXEO video processor VP-7000 enables you to make use of the many features provided by Fujifilm's wide range of endoscopes along with the 4-LED illumination system and its LCI and BLI visualisation modes. In addition to the ELUXEO 700 series endoscopes, it is also compatible with the 600 and 500 series of endoscopes. The processor creates high-quality images displayed in full HD on the monitor. Automatic back-up mode for data storage is integrated and the processor is DICOM compatible.

| | |
|------------------------|--|
| Compatible endoscopes | 700/600/500 series |
| Output | DVI-D x2, DVI-I x1, HD-SDI x2, RGB-TV x1, S VIDEO x1, VIDEO x1 |
| Input | 1 channel PoP |
| External memory | USB Flash Drive |
| Power rating | 100–240 V, 50/60 Hz, 0.8–0.5 A |
| Dimensions (W x H x D) | 390 x 110 x 485 mm (including projection) |
| Weight | 9.0 kg |

* This Warranty is only valid according to the terms and conditions of the Durability Warranty Policy.

EP-6000 ELUXEO Lite VIDEO PROCESSOR with built-in LED light source



The ELUXEO Lite EP-6000 combines a reliable 3-LED light source with a processor that enables you to make use of the many features provided by Fujifilm's wide range of endoscopes. Available combined with the 700 series LCI (Linked Color Imaging) and BLI (Blue Light Imaging) visualisation modes.

Due to the use of economical LED lamps with a long durability this system is very eco-friendly. It is also compatible with the 600 and 500 series of endoscopes. The ELUXEO Lite EP-6000 creates quality images and videos displayed in full HD on the monitor.

Automatic back-up mode for data storage is integrated and the processor is also DICOM compatible.

| | |
|---------------------------------|---|
| Light source | 3-LED |
| Air supply pump | High, Mid, Low, Off |
| Compatible endoscopes | 700, 600 and 500 series endoscopes* |
| Output | DVI-D x2, RGB-TV x1, S VIDEO x1, VIDEO x1 |
| External memory | USB Flash Drive |
| Power rating | 100–240 V, 50/60 Hz, 2.0–1.1 A |
| Dimensions (W x H x D) | 395 x 210 x 485 mm (including projection) |
| Weight | 15.0 kg |
| Optical radiation safety | Class 1 LED product |

| Available observation modes | White Light | BLI | LCI | FICE |
|-----------------------------|-------------|-----|-----|------|
| 700 series | ● | ● | ● | ● |
| 600/500 series | ● | | | ● |



* Excluding 590 series endoscopes, EG-530UT2, EG-530UT, EG-530UR2 and EG-530UR.

