ColoAssist PRO

ENDOSCOPE VISUALIZER

REAL-TIME VISUALISATION

ELUXEO ULTRA

FUJIFILM

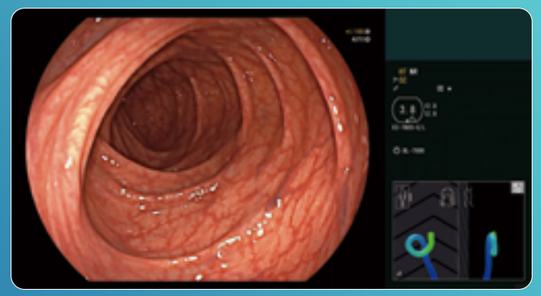
Value from Innovation

ENDOSCOPE **VISUALISATION SYSTEM**

Due to the increased incidence of colorectal cancer, the demands placed on the endoscopist during colonoscopy have never been greater. The need for accuracy, efficiency and simplicity has taken on greater significance while the demand for improved patient comfort and endoscopic information for early detection has also increased.

Taking into account that the structure, mobility and anatomical complexity of the colon varies with each individual, the insertion of the endoscope into the colon requires a high level of technical expertise. Colonoscopy can be difficult and time-consuming for the endoscopist but also uncomfortable for the patient.

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 visualisation system is designed to 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

FUJIFILM
Value from Innovation

REAL-TIME VISUALISATION

HOW THE VISUALISATION SYSTEM WORKS

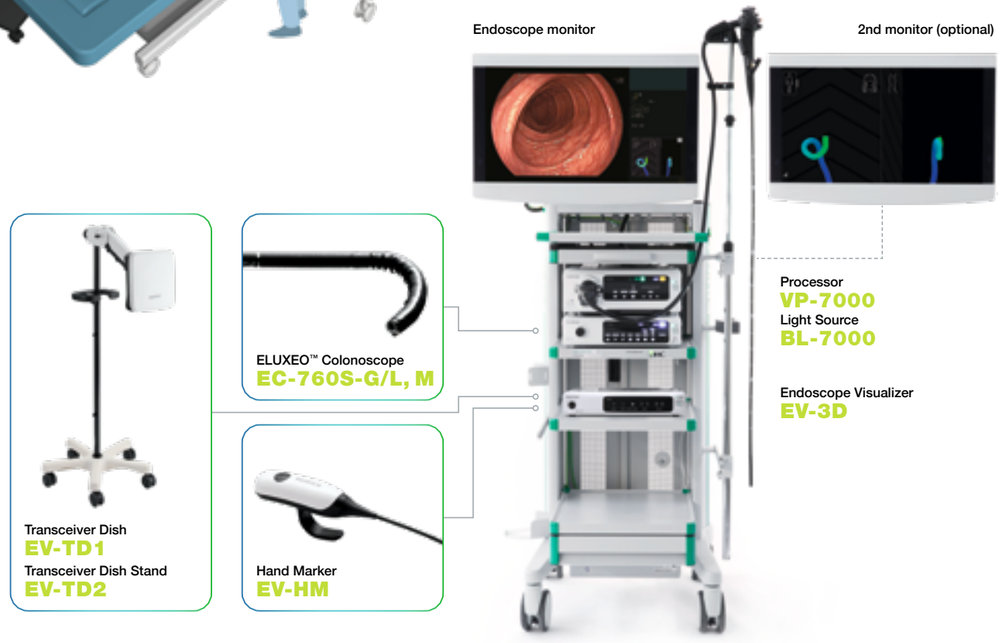
Coils within the Transceiver Dish generate an electromagnetic field that is received by coils integrated within the length of the dedicated ELUXEO™ EC-760S-G/L, M colonoscope and within the Hand Marker. This electromagnetic field is used to determine the position of the coils in the endoscope, in order 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

COMPATIBLE WITH ELUXEO™ PROCESSOR AND LIGHT SOURCE

The Endoscope Visualisation System is compatible with the ELUXEO™ VP/BL-7000. 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

FUJIFILM
Value from Innovation

SIMPLE USER INTERFACE

COLOUR GRADATION FOR INTUITIVE COMPREHENSION

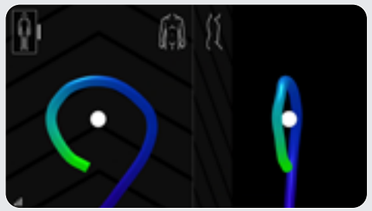
Compared to a single-coloured visualisation, the gradated colour change of the virtual endoscope model aims to better identify overlapping parts of the endoscope (e.g. in loop formations).

THREE DISPLAY MODES

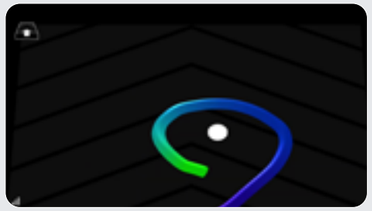
Change between three different screen modes with just one button

SINGLE SCREEN MODE
Displays the endoscope model from one direction (out of 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



ENDOSCOPE VISUALIZER **EV-3D**

1. **VIEWING DIRECTION***

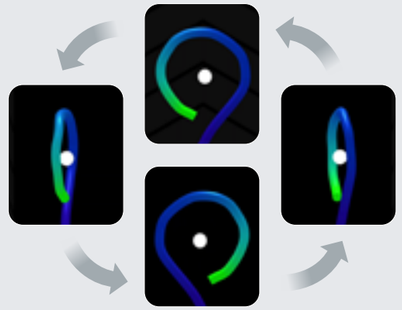
2. **ENDOSCOPE GRAPHIC**
3. **IMAGE OF THE OPERATING TABLE**
4. **HAND MARKER POINTER**
5. **SETUP INDICATOR**

DESCRIPTION OF MODEL DISPLAY

FUNCTIONS

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

IMAGE ROTATION
When the position of the patient is changed, the viewing direction can be rotated/adjusted accordingly**



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

DESIGNED FOR **EASY OPERATION**

ERGONOMIC AND FUNCTIONAL DESIGN

ENDOSCOPE VISUALIZER

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

HAND MARKER

Functional design

- Rounded design
- 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

Integrated Switch for Viewing Direction

The four viewing directions can be set with one switch**

AER compatibility

The Hand Marker can be reprocessed in Automated Endoscope Reprocessors

ELUXEO EC-760S-G/L, M

Ergonomically designed G7 grip with the assigned button for change of the viewing direction

A unique symbol for the endoscope with "Visualizer"

TRANSCEIVER DISH

Articulating arm

It enables to move the dish in parallel for the height adjustment

Recessed hand grips

For better grip and movement control

Weighted stand

For stable manoeuvrability

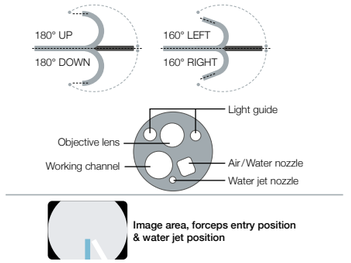
* When these three devices are stacked up on the shelf, please place EV-3D at the bottom of the stack
** Only in Single and Dual Screen Mode

SPECIFICATIONS

ELUXEO™ COLONOSCOPE EC-760S-G/L, M

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 as little as 2 mm in depth.

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



Endoscope Visualizer EV-3D

Power	**100 – 240 V ~ 50/60 Hz**
Current consumption	**1.0 – 0.7 A**
Type of colour	**NTSC/PAL**
Video Output	**DVI-I (Resolution: 1280 x 1024/1920 x 1080 pixels) HD-SDI (Resolution: 1920 x 1080 pixels)**
Fuse	**T2.5AH 250 V x 2 (Rating: 2.5 A/250 V)**
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**

Hand Marker EV-HM

Dimensions (W x H x D)	**26 x 110 x 50 mm (including projection)**
Cable Length	**2.5 m**
Weight	**120 g**

Transceiver Dish EV-TD1

Magnetic field strength	**Compliant with requirements of IEC 62311:2019**
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**
Modulation system	**Non-modulation**
Effective radiated power	**-80 dBm or less**

Transceiver Dish Stand EV-TD2

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

Processor & Light Source

Compatible processor	**ELUXEO VP-7000**
Compatible light source	**ELUXEO BL-7000**

NEVER STOP

FUJIFILM

FUJIFILM Europe GmbH

Heesenstr. 31, 40549 Düsseldorf, Germany
Tel.: +49 211-50 89 0, Fax: +49 211-50 89 8700
www.fujifilm-endoscopy.com, www.eluxeo-ultra.com

Z11N200471