FUJIFILM
Value from Innovation

SEE MORE.
DETECT MORE.
WITH LCI

Multi-LED Endoscope System

6000 SYSTEM

ELUXEO Lite

LCI BLI HD TV output

FUJIFILM

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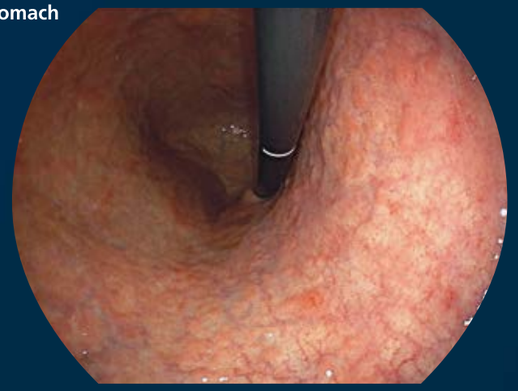
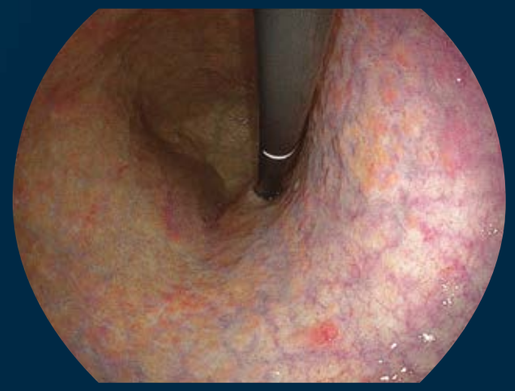
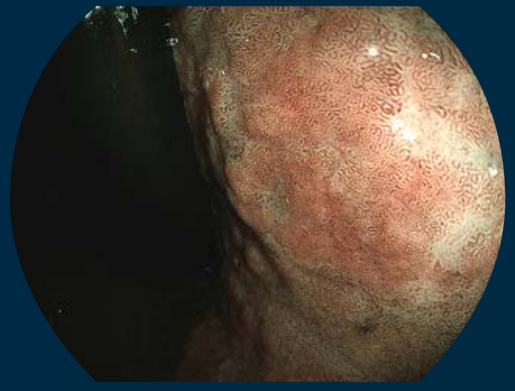
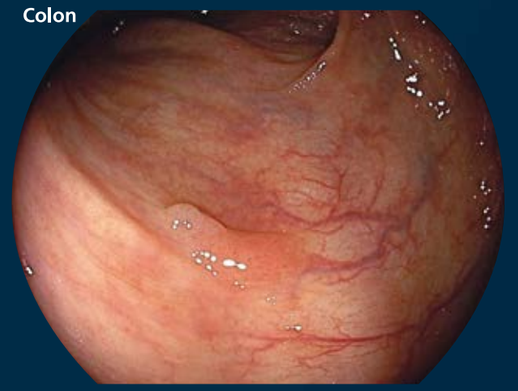
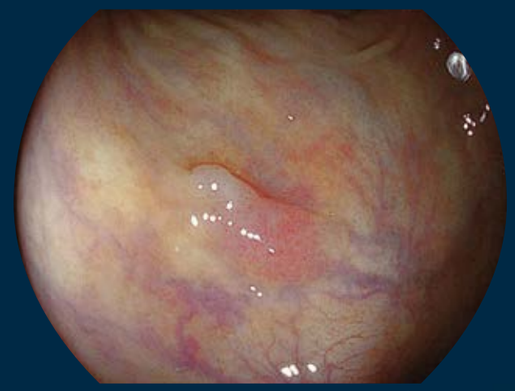
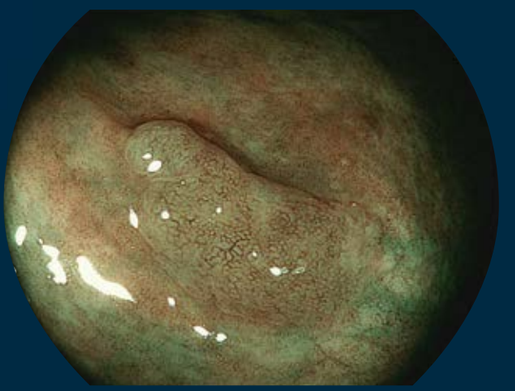
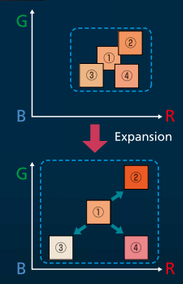
M.I.Tech

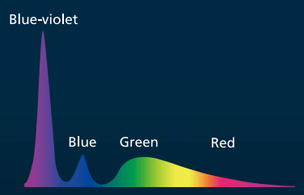
LCI & BLI, the new standard

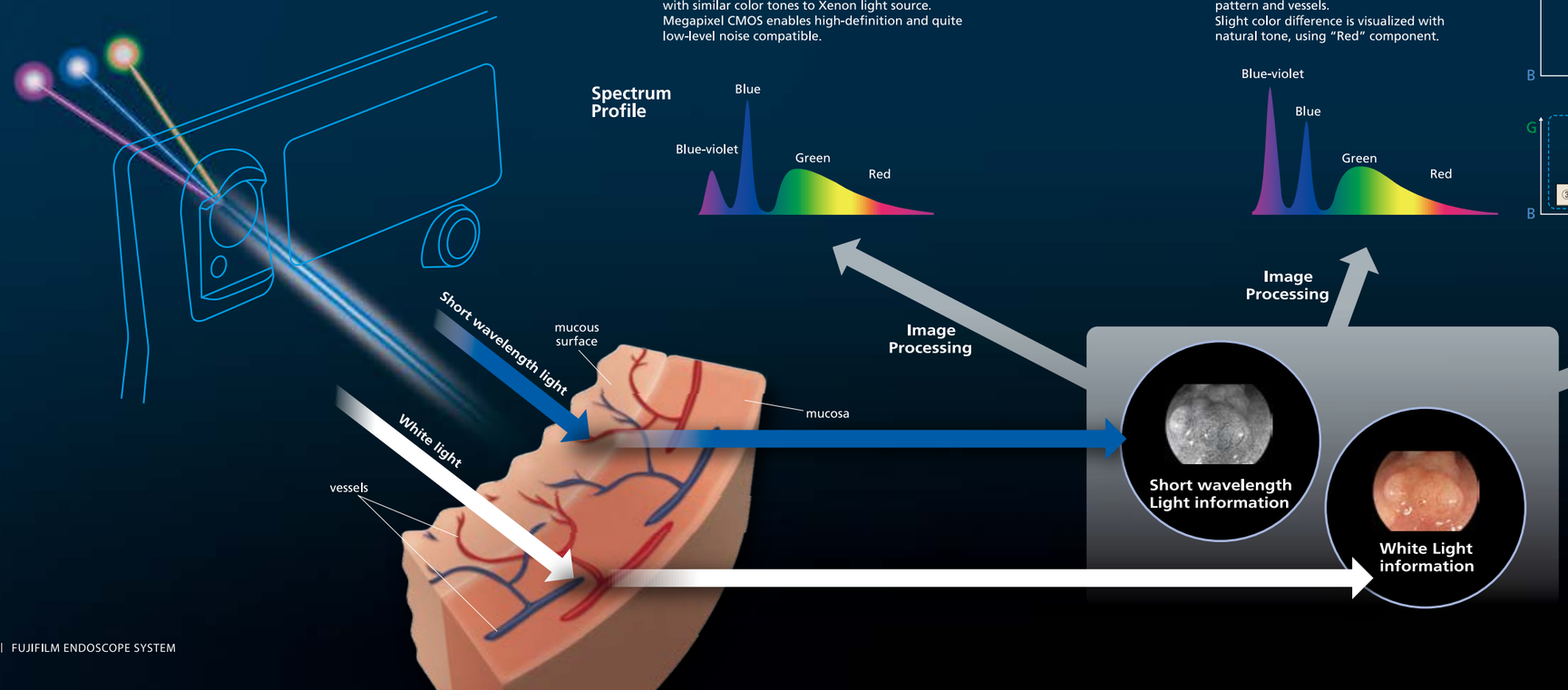
Multi-Light Technology

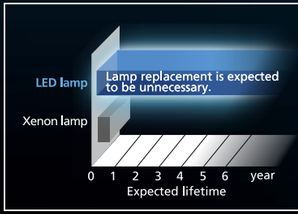
This technology enables creation of images suitable for intended purposes through image processing combined with accurate control of intensity ratio between multiple lights.
It uses white light to depict subjects in natural colors as well as short wavelength light for higher contrast of fine vessels and structures of mucous membrane surface layers to create sharp images.
By adding signal processing to the images obtained through these lights, it is possible to provide not only white light images but also LCI/BLI images.

	White Light	LCI Linked Color Imaging	BLI Blue Light Imaging
Stomach			
Colon			
	Bright, sharp, and stereoscopic images are accomplished with similar color tones to Xenon light source. Megapixel CMOS enables high-definition and quite low-level noise compatible.	LCI would be helpful for detection with surface pattern and vessels. Slight color difference is visualized with natural tone, using "Red" component.	High contrast images suitable for observing microvascular and microsurface pattern are provided.









Energy-saving and long-lasting LED 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 LED light is expected for 6 years based on Fujifilm evaluation condition. Intensity of the light source qualifies that of 300W Xenon lamp.
*The warranty period is 1 year after date of purchase.

Five features to facilitate smooth examination

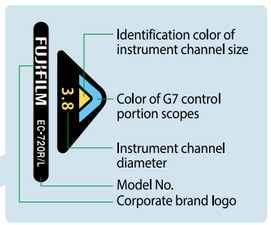
1 Megapixel CMOS + HDTV output

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.

2 G7 control portion

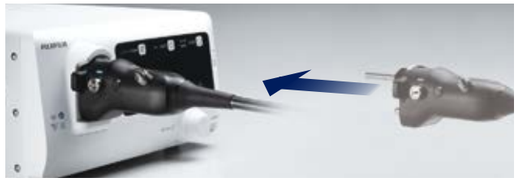
G7 control portion is developed from
ergonomics point of view.
Scope has a rounded surface to fit the hand,
and button layout makes intuitive
operation possible.



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

3 One Step Connector

with Contact-free Technology

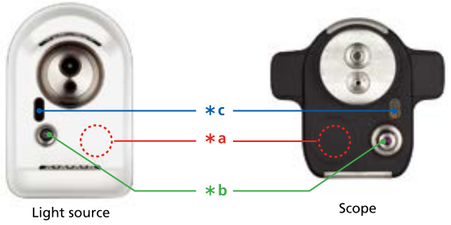


Scopes can be connected to light
source in just 1 step operation.
Scope cable connection is no
longer required in setting up.
One Step Connector enhances
efficiency of clinical workflow.
Conventional scopes can also be
connetcted.

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.

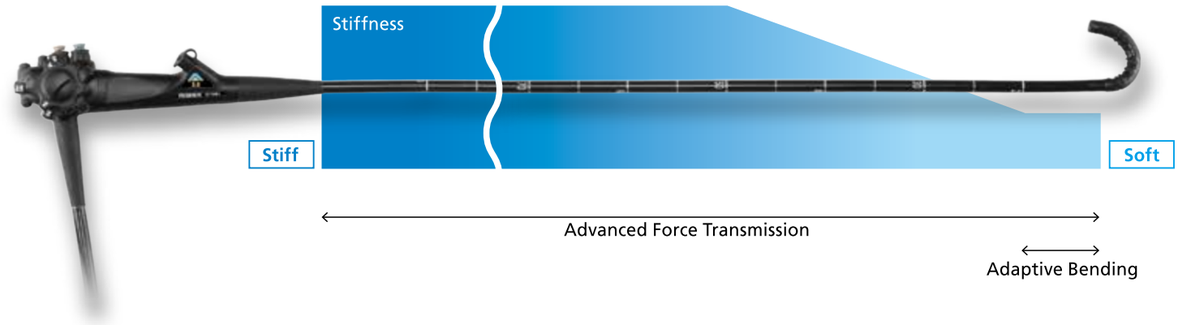
- Power feed: Wireless electrical supply ＊a
- Image transmission: High speed optical laser ＊b
- Remote signal: infrared [IR] LED ＊c



4 Insertion Performance

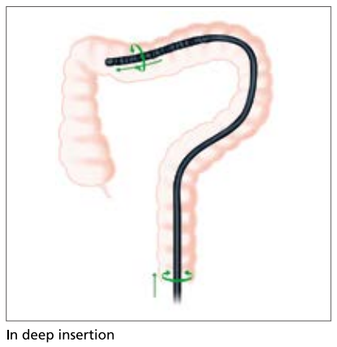
EC-720R/M,I,L

The stiffness is gradually increasing from the distal end to the control portion.



Advanced Force Transmission

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



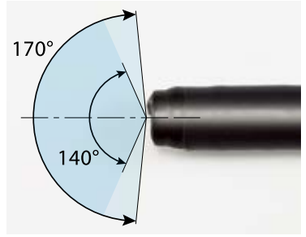
In deep insertion

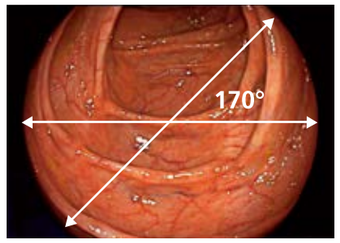
Adaptive Bending

The end of flexible portion is soft, allowing the scope
to bend easily. Flexible portion is elastic,
and easy to return to its straight shape.

Bending easily

5 Wide 170° field of view





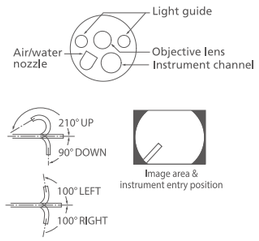
Wide 170° field of view is available
with EC-720R/M,I,L.
Even areas that are hard to observe such as the
reverse side of folds could be observed and
approached smoothly.

Specification

EG-720R

Field of view	140°
Viewing direction	0° (Forward)
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
Insertion tube diameter	9.3 mm
Minimum instrument channel diameter	2.8 mm
Image size	Super image

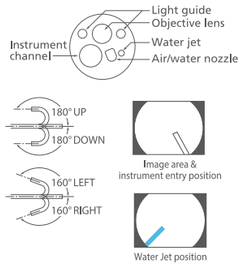
Product name: Video Endoscope GMDN: 38805
Generic name: Flexible video gastroduodenoscope



EC-720R/M, I, L

Field of view	170°
Viewing direction	0° (Forward)
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	1,630 mm(M) / 1,820 mm(I) / 1,990 mm(L)
Distal end diameter	12.8 mm
Insertion tube diameter	12.8 mm
Minimum instrument channel diameter	3.8 mm
Image size	Super image

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



Compatible Endoscopes

Conventional 500 *1 / 600 system scopes can also be used.

700 system scopes	
600 system scopes	
500 system scopes *1	580 series scopes
	530 series scope *2

Available observation mode

	White light	BLI	BLI-bright	LCI	FICE
700 system scopes	✓	✓	✓	✓	✓
500/600 system scopes	✓	—	—	—	✓

*1 Excluding 590 series scope.
*2 Excluding EG-530UT2, EG-530UT, EG-530UR2 and EG-530UR

Accessories

For routine examination

Air/Water Valve
AW-603

Suction Valve
SB-605

Water Tank
WT-603

Used with CO_2 Regulator "GW-100"

Gas/Water Valve
AW-604G

Water Tank
WT-604G

EP-6000

Power Supply	Voltage	100 to 240 V~
	Frequency	50/60 Hz
	Current consumption	2.0-1.1 A
Size	Dimensions (W×H×D)	395×210×485 mm (including projection)
	Weight	15.0 Kg
Category of medical electric equipment	Type of protection against electric shock	Class I equipment
	Degree of protection against electric shock	Type BF applied part
	Degree of explosion protection	Prohibited in oxygen-rich environment/ flammable gas atmosphere.
Observation	Illumination source	LED
	Analog SDTV	RGB TV：1, S VIDEO：1, VIDEO ：1
	Digital HDTV	DVI-D：2
	Color adjustment	Brightness, Red, Green, Blue, Chroma in nine levels (-4 to +4). Red Hue in nine levels (M4 to Y4). Contrast in three levels (-1 to +1).
	Aid brightness	This function increases the brightness level of the area where light hardly reaches in the observation screen.
	Noise reduction	The noise reduction function reduces noise on the image. When noise reduction is applied, the following indication is displayed on the screen. NR: White (Low), Green (Mid) or Yellow (High)
	Iris mode	Function to control the screen brightness. AVE (controls brightness on the entire screen), PEAK (controls brightness in highlight areas), AUTO (sets average or peak iris automatically)
	Structure emphasis	Function to adjust the sharpness of the subject structure.
	Illumination mode	OFF/1/2/3. Observation modes can be switched by pressing the illumination mode button.
	Electronic zoom	x1.00 to x2.00 (0.05 steps)*1
	Freeze mode	Function to freeze the endoscopic images.
	Shake Reduction Mode	The least blurred image within the specified second can be obtained. Available in seven levels (Off, 0.1-0.5, 1.0).
	Special light observation mode	BLI, BLI-bright, LCI
	Reset to defaults	The following settings can be reset to their defaults. • Color Adjustment • Special Light Observation • FICE • Lap Time • The light intensity of the light
	Remote control	Fujifilm specified peripherals can be controled.
Data display	Patient information	A maximum of 45 patients can be registered. Exam No., Patient ID, Patient Name, Sex, Age, Date of Birth, Message, Procedure name, Doctor name
	Recording status	Digital printer status, shooting counter, number of recordable images in internal storage device
	Image quality setting status	Structure emphasis, Tone, Electronic Zoom Ratio,Special Light Observation Mode, Focus Indicator.
	Index image	When a FullHD monitor is connected and the screen resolution is set to FullHD, the last four index images stored in the internal storage device are displayed.
Image recording	External storage device	Swissbit SFU22048 E1BP2TO-I-MS-111-STD or SFU22048E3BP2TO-I-MS-121-STD *2
	Image compression rate	TIFF：1/1, JPEG：1/5 , 1/10, 1/20
	Number of recordable images in internal storage device	TIFF：840, JPEG 1/20：21,690, JPEG 1/10：16,270, JPEG 1/5：5,910 *3

*1 The zoom ratio of some 530 series scopes is x1.00 to x1.95.
*2 Concerning other external storage devices, please contact your representative or local dealer.
*3 The number of recordable images varies depending on the type of image.

Product name: Processor
GMDN: 34540
Generic name: Endoscopic light source/processing unit

Easy-to-maintain design employing the dustproof filter which can be effortlessly removed for cleaning