FUJIFILM
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FUJIFILM
Value from Innovation

New

EPX-3500 HD

FUJIFILM High-end Electronic Video Endoscopy System

- High-definition
- Three preset FICE patterns available
- Applicable to full HD wide monitors

EPX-3500HD Technology

High-definition images and superior functions
for advanced endoscopic diagnosis and treatment.

High-definition

VP-3500HD supports diagnosis with its advanced image processing technologies not incorporated in existing standard-class models. It offers clear images by using superior functions such as structure emphasis, color emphasis, automatic light control and anti-blur.

Three preset FICE* patterns available

Three patterns of FICE*, which utilizes high-definition color distinction technology, the same technology used to analyze satellite images, are preset and can be easily operated using the scope switch.

*FUJIFILM proprietary image processing technology

White light image

FICE 0

Applicable to full HD wide monitors

Captured image is displayed without overlapping with the real-time view when a full HD wide monitor is used (Picture in picture function).

Full HD monitor

5×4 monitor

Anti-blur function

Anti-blur function: extracting the best still image from multiple images

The anti-blur function offers sharpest and clearest images for review and documentation in any occasion.

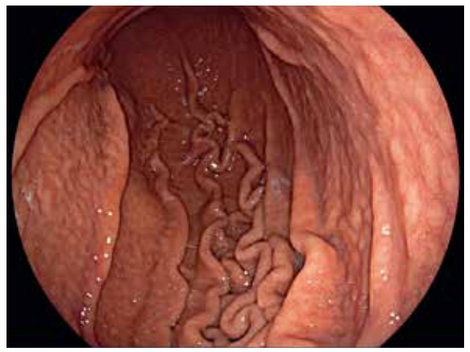
* This diagram shows how the function works

A sequence of images always kept in the background ▶ Freezing the image during the examination ▶ Automatic selection and display of the sharpest image

Auto photometric control

Achieving always optimal illuminated images with automatic control of the photometric mode

The automatic photometric mode optimally adjusts the lighting in accordance with the positioning of the endoscope, providing you with a well-balanced picture from close-up to distant focusing.



USB flash drive compatibility

EPX-3500HD now offers USB port incorporated into the processor, which provides easier data transfer.

Electronic Video Endoscopy System

EPX-3500HD

Video Processor

VP-3500HD

Digital output	2 x DVI (1280 x 1024p or 1920 x 1080p)
Analog output	1 x RGB TV (PAL, RGB+SYNC), 1 x S-VIDEO (Y/C), 1 x VIDEO (Composite)
Color terminal	2 x Remote, 2 x Peripheral, 1 x Keyboard, 1 x Card reader, 1 x Aux, 1 x Digital printer, 1 x Foot switch, 1 x Ethernet (100/10Base)
Color adjustment	Brightness, Red, Green, Blue, R-Hue, Chroma : 9 steps
Contrast (gamma)	3 steps
Structure emphasis	Hi, Mid, Lo, Off
Color emphasis	Hi, Mid, Lo, Off
FICE	3 presets (FICE 0, 1, 8)
Image storage	USB flash drive & internal memory
Power rating	AC100-240V±10% 50/60Hz 1.0-0.3A
Dimensions (W x H x D)	390 x 105 x 460 mm
Weight	8 kg

Compression ratio rate	Approximate recordable number of images	Format
1/20	11,000	JPEG
1/10	8,600	JPEG
1/5	2,500	JPEG
1/1	350	TIFF

Light Source

XL-4450

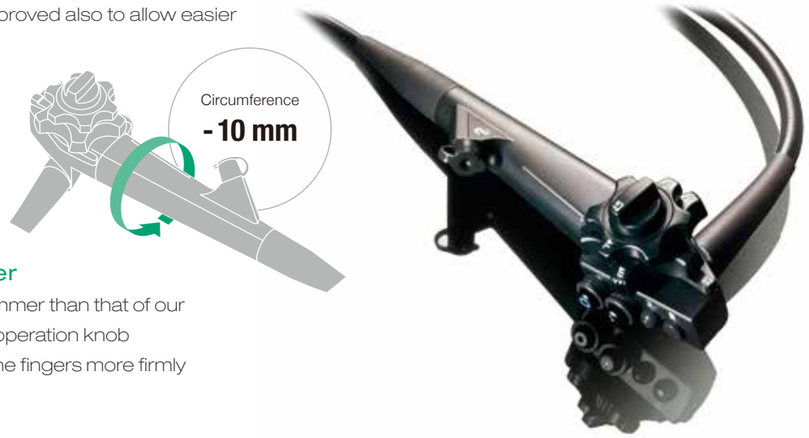
Lamp rated value	Main Lamp: 300 W Xenon lamp LMP-002 Emergency Lamp: 75 W Halogen lamp	
Light control	Automatic light control	
Lamp cooling method	Forced air cooling	
Air supply pump	Hi, Mid, Lo, Off	
Light save	On, Off	
Transmitted illumination	On, Off	
Power rating	230 V ± 10% 50 Hz 1.7A	230 V ± 10% 50 Hz 1.7 A
Dimensions (W x H x D)	390 × 155 × 450 mm	
Weight	15 kg	

Applicable endoscopes

600 series, 500 series

Fits right. Moves agilely.
Light-weight grip for high operability

The newly developed grip fits gently into your hand, allowing full use of this high-performance endoscope. Materials, processing and choice of parts have all been reviewed to reduce the grip weight for greater maneuverability. The design is improved also to allow easier cleaning and disinfection.



G-5™ ENDOSCOPY

Designed lighter & slimmer

20 % less in weight and 10 mm slimmer than that of our conventional product. The angle operation knob is remodeled to accommodate the fingers more firmly with better fit.

Water jet function

Main endoscopes for the lower gastrointestinal tract have a water jet nozzle in addition to the forceps channel. The water jet nozzle effectively removes mucus on the surface being examined.

Improved cleaning and disinfection

Cleanliness and safety focused on full defense against contamination. Easily soiled air/water valve is removable and autoclavable. A smoother, flatter surface assures all areas receive optimal contact with cleaning and high-performance disinfecting solutions.

Light-weight connector

The connectors incorporated in the 500 series & 600 series endoscopes are slim, light-weight, and easy to handle. Procedures are easy when the endoscope has to be removed/attached for cleaning and disinfection on every occasion of endoscopy.

Flexible portion

In upper and lower gastrointestinal endoscopy, the great flexibility of the endoscope allows easy insertability and the comfort of the examinee.

The leading-edge 600 series CMOS endoscopes with full digital processor EPX-3500HD realize advanced observation and diagnosis

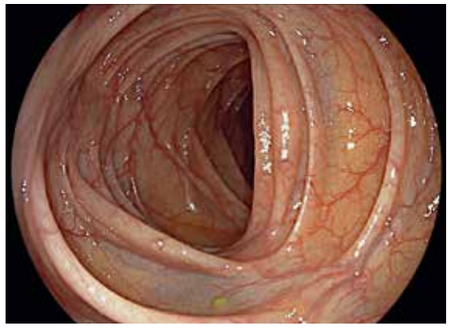
CMOS Technology

CMOS Technology Mega Pixel 60P Video

Over megapixel CMOS image sensor producing high-definition image

By adopting over megapixel CMOS image sensor, 600 series endoscopes enable high-definition image to be produced. And the leading-edge CMOS Technology realizes less noise and brilliant image. To adopt CMOS image sensor can change the analog signal to digital in the tip of scope. During transmission of signal, the digital signal is much less affected by the noise from the outside. Those features make advanced observation and diagnosis possible.

EG-600WR

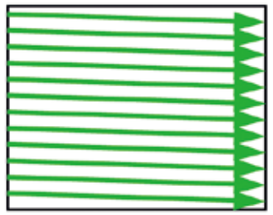


EC-600WM/WI/WL

Megapixel 60P (60 frames/s progressive) video realizes smooth and clear video ability

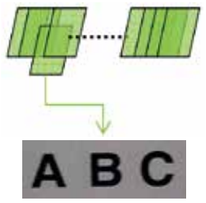
CMOS Technology realizes 60P video even though over megapixel. With the 60 frame progressive scanning method, it is possible to produce not only smooth and clear video but also high-definition and less blur still images.

Progressive



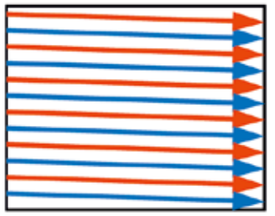
All lines are being read out at the same time

60P
60 images / 1 sec
Each image is over one Megapixel



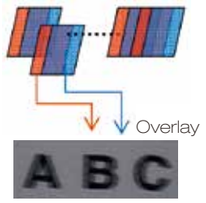
Freeze
moving object

Interlaced



First scan (red line only) , second scan (blue line only)

60i
60 images / 1 sec
Each image only contains half of the scan



Close Focus with CMOS Technology

Close Focus with CMOS Technology enhance image for diagnosis

The newly designed high performance optical system enhances close focus observation capability up to 2 mm. The focus at the edges of an image has been improved, minimizing distortion in observation of a lumen. Through a combination with the Megapixel CMOS image sensor, high performance optical system assists various observations ranging from close-up to distant views.


EG-600WR


EG-600WR


EC-600WM / WI / WL

Anti-blur function

Anti-blur function: extracting the best still image from multiple images

The anti-blur function offers sharpest and clearest images for review and documentation in any occasion.

* This diagram shows how the function works

A sequence of images always kept in the background ▶ Freezing the image during the examination ▶ Automatic selection and display of the sharpest image

Auto photometric control

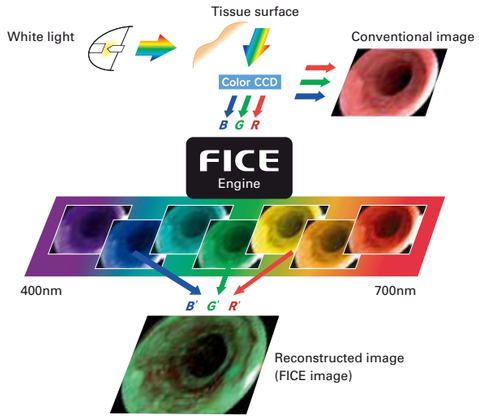
Achieving always optimal illuminated images with automatic control of the photometric mode

The automatic photometric mode optimally adjusts the lighting in accordance with the positioning of the endoscope, providing you with a well-balanced picture from close-up to distant focusing.

* Available with the 600 and 500 series endoscopes

FICE (Flexible spectral Imaging Color Enhancement)

FICE – "Flexible spectral Imaging Color Enhancement" – in the new EPX-3500HD yields diagnostic results without any need for tissue staining. The procedure digitally limits the wavelengths of the light and displays it in up to ten different color combinations. The endoscope switch allows physicians to switch between the conventional image and the FICE image in a split second, ensuring an uninterrupted examination with the eyes always concentrated on the monitor.



FICE with CMOS Technology

FICE combination with CMOS Technology provides advanced FICE image

Through high-definition and improved noise reduction, FICE images are sharper and clearer than ever.
It enables easier differentiation between lesion-affected and non-affected tissue.


FICE1 Esophagus


FICE1 Stomach

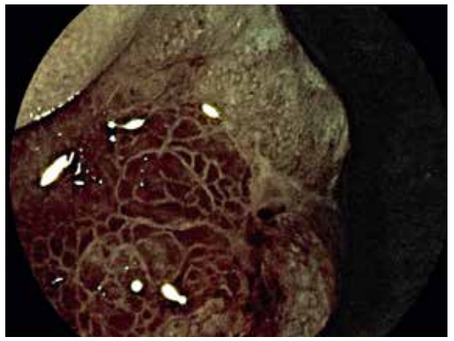

FICE1 Colon


FICE8 Colon

E-Zoom (Electronic Zoom) provides better visibility

E-Zoom image can be provided by pressing the scope button once. Normally, E-Zoom enhance noise of image. However less noise 600 series FICE image allow to use E-Zoom function. It is possible to observe the detail of surface pattern as well as vascular pattern.

White light Stomach



FICE0 + E-Zoom

Dual Mode simultaneously display a FICE image and white light image on the same monitor

By having a dual view of a FICE image and white light image on the same monitor, you can collect more information for examination and diagnosis.

FICE1 Stomach

Change the FICE preset pattern with the endoscope switch in real-time*

Use the endoscope button to select up to three wavelength patterns from presets. You can switch quickly, moving to the next FICE image with a single push of a button which allows selection of the best pattern for the respective diagnosis.

*Only when using the EPX-3500HD

▶ Newly developed insertion portion for better insertion into the colon

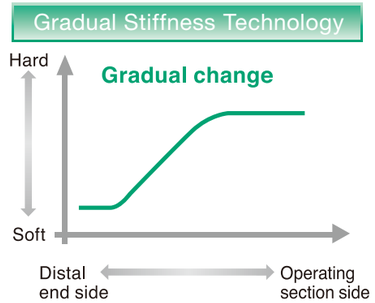
Gradual Stiffness

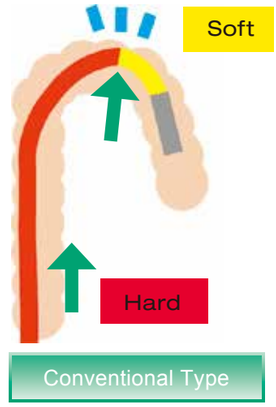
Gradual Stiffness

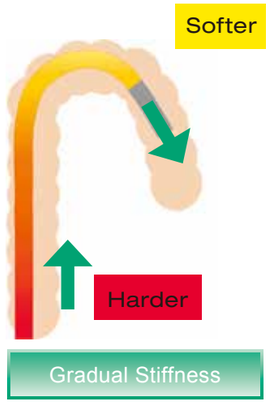
The flexibility of the insertion portion gradually increases toward the distal end. Gradual stiffness level is adjusted as comfortable for insertion. It is possible to transmit the insertion power to the tip of scope more effectively.

Endoscopes with Gradual Stiffness

- EC-600ZW/M, L (New)
- EC-600WM/WI/WL (New)
- EC-580RD/M,L (New)
- EC-590ZW3/M, EC-590ZW3/L
- EC-590WM4/WI4/WL4
- EC-530WM3/WI3/WL3

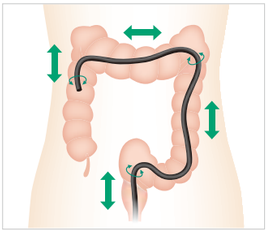






Improved torque and force transmission and operation ability

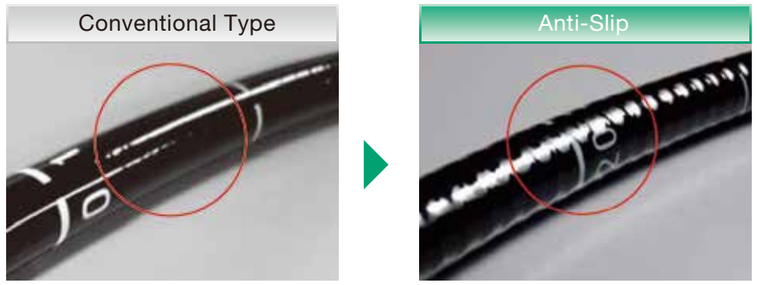
By adopting newly developed insertion portion both torque and force transmission have been improved. Even when the tip of scope is located in the deep part of colon, the tip of scope can react sensitively. It's small diameter of 12.0 mm (for EC-600WM/WI/WL) aims to produce better operability and reduce patient's discomfort.



▶ Anti-Slip

Improved grip performance with newly-designed surface shape

Ribbed surface prevents slipping and improves handling of the endoscope. Colonoscopy can be performed more easily and comfortably even in long examinations.

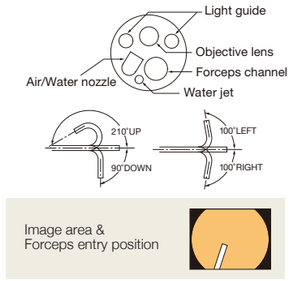


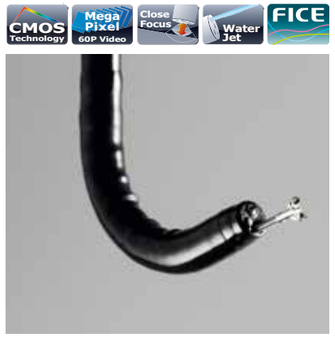
600 series endoscopes

Video Gastroscope

▶ EG-600WR

Field of view	140°
Observation range	2 ~ 100 mm
Bending capacity	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Distal end diameter	9.2 mm
Flexible portion diameter	9.3 mm
Forceps channel diameter	2.8 mm
Working length	1,100 mm
Total length	1,400 mm
Water jet	Equipped

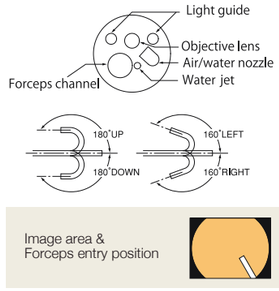




Video Colonoscope

▶ EC-600WM / WI / WL

Field of view	140°
Observation range	2 ~ 100 mm
Bending capacity	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Distal end diameter	12.0 mm
Flexible portion diameter	12.0 mm
Forceps channel diameter	3.8 mm
Working length	1,330/1,520/1,690 mm
Total length	1,630/1,820/1,990 mm
Water jet	Equipped



Multi Zoom function

The new gastroscope EG-600ZW and the new colonoscope EC-600ZW are both equipped with a Multi Zoom function. This function has four different focus modes: "2 Step", "3 Step", "5 Step" and "Continuous". In the Step Zoom modes, the focus can be switched between different magni cation levels (such as between Normal and Low, or Low and Middle) with a simple press of a button. The users can choose the mode that suits them most based on their preference and level of expertise.

Mode \ Magnification	Normal	Low	Middle	High	Maximum (x135*)
Continuous	●	●	●	●	●
2 Step	●	●			
3 Step	●	●	●		
5 Step	●	●	●	●	●

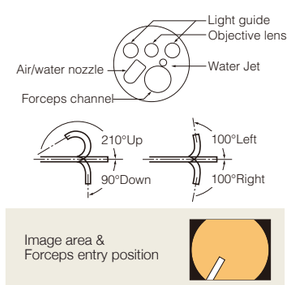
*When using a 19 inch LCD monitor

The newly designed optical system provides a wider observation range and makes it easier to focus on the target from close distances. The focus has also been improved to provide smoother transitions between the different magni cation levels.

Video Gastroscope

▶ EG-600ZW

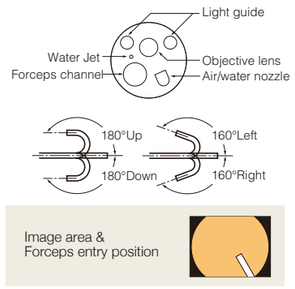
Field of view	Normal: 140° / Closest: 56°
Observation range	1.5-100 mm Normal: 3-100 mm Closest: 1.5-2.5 mm
Bending capacity	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Distal end diameter	9.9 mm
Flexible portion diameter	9.8 mm
Forceps channel diameter	2.8 mm
Working length	1,100 mm
Total length	1,400 mm
Water jet	Equipped



Video Colonoscope

▶ EC-600ZW/M, L

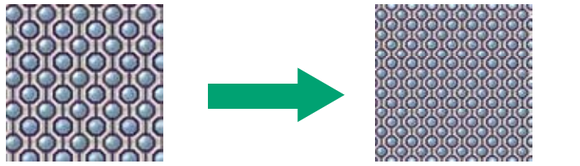
Field of view	Normal: 140° / Closest: 56°
Observation range	1.5-100 mm Normal: 3-100 mm Closest: 1.5-2.5 mm
Bending capacity	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Distal end diameter	12.8 mm
Flexible portion diameter	12.8 mm
Forceps channel diameter	3.8 mm
Working length	1,330 / 1,690 mm
Total length	1,630 / 1,990 mm
Water jet	Equipped



580 series endoscopes

580 New Super CCD series endoscopes

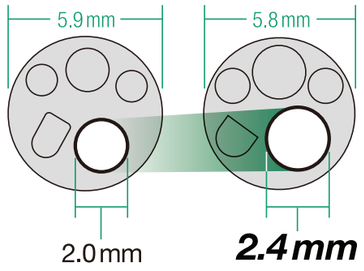
The newly designed 580 New Super CCD realizes the high-definition even though small size image sensor.

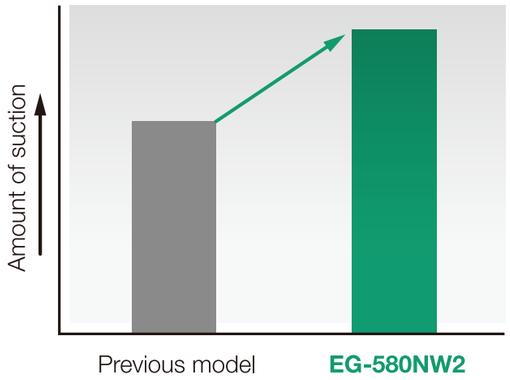


Previous Super CCD　　580 New Super CCD

Forceps channel diameter of 2.4mm for transnasal scope (EG-580NW2)

By increasing the forceps channel diameter from 2.0mm to 2.4mm, the suction capacityimproved by approximately 1.4 times compared with previous models.
When a biopsy forcep is inserted, the suction performance is increased by approximately 7 times, thus assisting faster examinations.





Video Gastroscope - Transnasal Type
EG-580NW2

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
Forceps channel diameter	2.4 mm
Working length	1,100 mm
Total length	1,400 mm

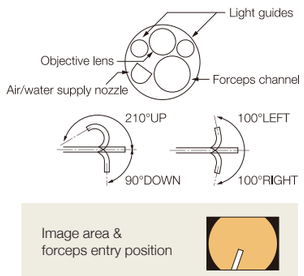


Image area &
forceps entry position

Smart Bend (EC-580RD/M,L)

Smart Bend provides excellent maneuverability, observation and treatment by 210° up angulation, smaller bending radius and shorter rigid part

Smart Bend features allow precise manipulation, enabling observation and treatment of areas usually difficult to approach, like overlapping or folded parts. Thus, the great bendability helps a wide range of procedures efficiently including screening, diagnosis and treatment such as EMR and ESD.


EC-580RD/M,L


EC-530MP,LP

Video Gastroscope - Treatment Type
EG-580RD

Field of view	140°
Observation range	3–100 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Distal end diameter	9.8 mm
Flexible portion diameter	9.8 mm
Forceps channel diameter	3.2 mm
Working length	1,100 mm
Total length	1,400 mm
Water jet	Equipped

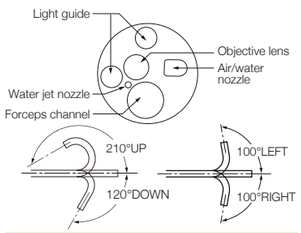


Image area &
Forceps entry position

Video Colonoscope – Slim/TreatmenType
EC-580RD/M, EC-580RD/L

Field of view	140°
Observation range	3–100 mm
Bending capability	UP 210° / DOWN 160° RIGHT 160° / LEFT 160°
Distal end diameter	9.8 mm
Flexible portion diameter	10.5 mm
Forceps channel diameter	3.2 mm
Working length	1,330 / 1,690 mm
Total length	1,630 / 1,990 mm
Water jet	Equipped

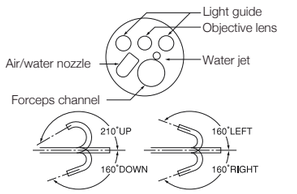


Image area &
forceps entry position

Double Balloon Endoscope

New therapeutic Double Balloon Endoscope with 3.2 mm diameter forceps channel – ideal for various procedures

High-definition therapeutic Double Balloon Endoscope EN-580T

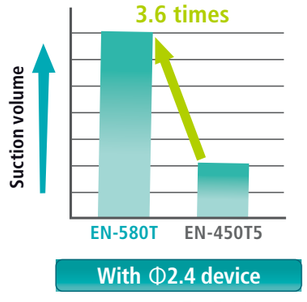
DOUBLE BALLOON ENDOSCOPY

▶ 3.2 mm forceps channel

DBE 3.2mm

A large forceps channel of 3.2 mm in diameter for efficient treatment

The 3.2 mm diameter forceps channel providing greater suction performance than that of conventional models.



With Φ2.4 device

*According to FUJIFILM data

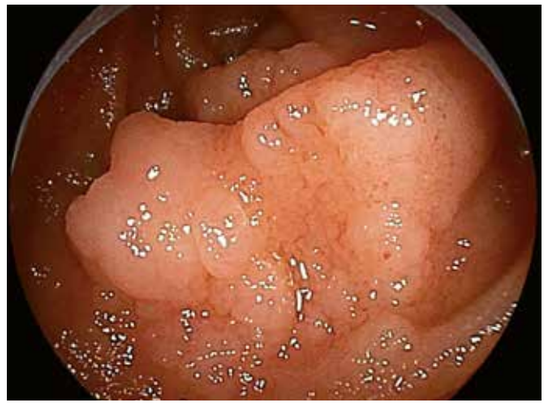
The 3.2 mm diameter forceps channel suits various procedures like hemostasis and balloon dilation. As it enables blood or mucus to be aspirated while a therapeutic device is inserted, quicker hemostasis is possible. The large forceps channel is also intended for easier insertion and removal of a balloon catheter before and after dilation of structures.

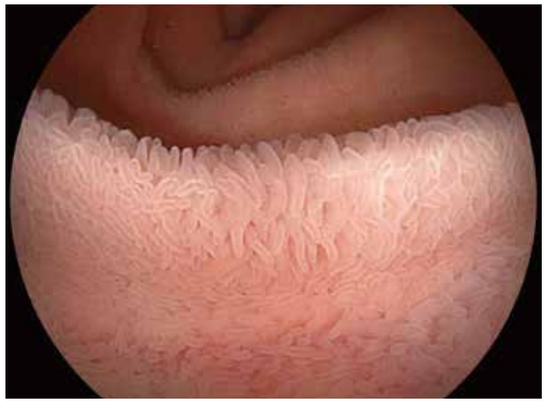
▶ 580 New Super CCD with Close Focus

Close Focus SUPER CCD FICE

Superior image quality in close focus for more detailed diagnosis

The new high-definition Super CCD ensures vivid and high quality images, while the newly designed Close Focus optics enhances the possibility of obtaining more detailed images, thus allowing the compilation of a wide range of data necessary for diagnosis. Used in combination with FICE, it provides better contrast for vascular and surface patterns in close focus, emphasizing the structure of tissue aspects and vessels.





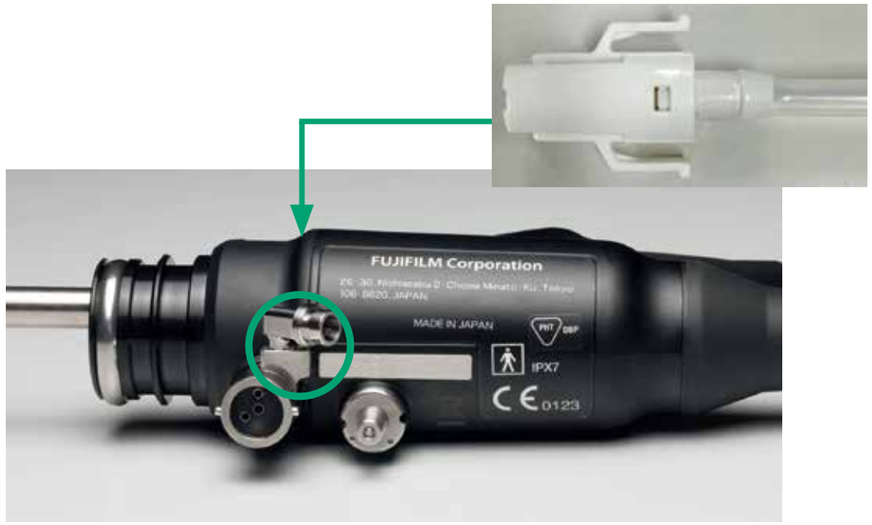
White light image of intestinal villi

FICE image of intestinal villi

One-touch connector and relocated balloon air feed inlet

Newly designed one-touch connector and relocated balloon air feed inlet for better operability

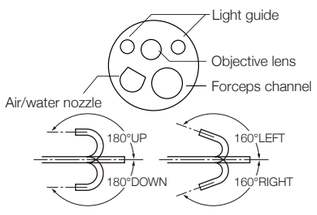
The balloon air feed inlet has been relocated from the control portion to the connector portion, creating a better examination environment. Also, a one-touch type connector especially designed for the balloon air feed inlet on the endoscope is provided, making the preparation simpler.



Enteroscope – Treatment Type

EN-580T / EN-530T

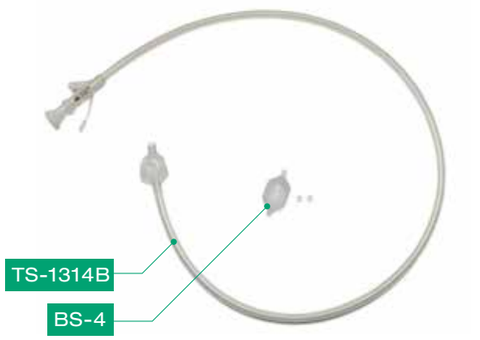
Viewing direction	0° (Forward)
Field of view	140°
Observation range	2-100 mm
Distal end diameter	9.4 mm
Flexible portion diameter	9.3 mm
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Working length	2,000 mm
Total length	2,300 mm
Forceps channel diameter	3.2 mm
New Super CCD	EN-580T
Super CCD	EN-530T



DBE 3.2mm | Close Focus | SUPER CCD | DOUBLE BALLOON ENDOSCOPY | FICE

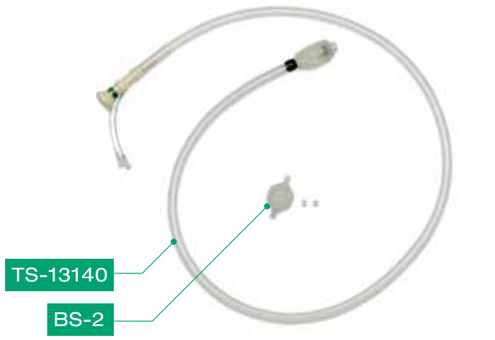
Overtube

TS-1314B and BS-4



Model name	Over-tube	Balloon
	TS-1314B	BS-4
Material of balloon	Silicone rubber	
Dimensions	Outer diameter 13.2 mm Total length 1,450 mm	Outer diameter 35 mm
Compatible enteroscopes	EN-580T/EN-530T	

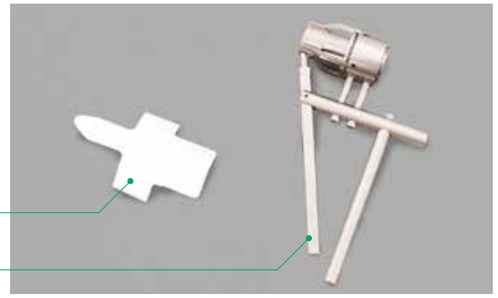
TS-13140 and BS-2



Model name	Over-tube	Balloon
	TS-13140	BS-2
Material of balloon	Natural rubber	
Dimensions	Outer diameter 13.2 mm Total length 1,450 mm	Outer diameter 35 mm
Compatible enteroscopes	EN-580T/EN-530T	

Balloon Setting Tools

ST-05B and ST-10



Balloon controller

PB-30

Power	AC100 to 240V 50/60Hz 0.8A
Maximum flow rate of pump	170 ml ± 50 ml /10 sec
Dimensions	145(W)×170(H)×410(D)mm
Weight	7kg (Main unit), 0.4kg (Remote switch)

590 series endoscopes

High-definition endoscope with Super CCD

The FUJIFILM Super CCD provides high-definition image quality and supports the detection of smallest lesions.

The new EPX-3500HD. Premium endoscopy in HD

As a fully digital processor with HD 1080p reproduction, the new EPX-3500HD video processor provides totally lossless signal conversion. The result is brilliant HD image quality with the greatest possible precision. And that's not all: with its integrated FICE technology, it also provides completely new facilities for image enhancement.

▶ Super CCD 590 series endoscopes

590 series endoscopes provide high-quality image

Esophagus

FICE8 Colon (Zoom)

Video Gastroscope

▶ EG-590WR

This endoscope is reasonably slim with a distal end of 9.6 mm, yet is equipped with adequate functions necessary for routine examinations. This is a high-definition standard endoscope. The air/water nozzle is redesigned to constantly secure a clear field of view, and its water filtering function is significantly improved.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	6 - 100 mm
Distal end diameter	9.6 mm
Flexible portion diameter	9.3 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	2.8 mm

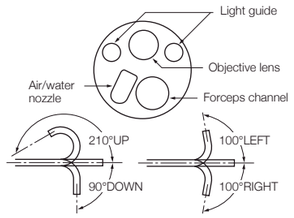


Image area & Forceps entry position

Video Gastroscope – Optical Magnification

▶ EG-590ZW

EG-590ZW is a high-quality optical magnifying electronic endoscope for the upper G.I. tract. The optical magnification enhances the images for easier and closer observation. This endoscope has maximum optical magnification levels of up to 135 times when viewed on a 19 inch monitor and also an excellent field of view.

Viewing direction	0° (Forward)
Field of view	WD: 140° / TL: 55°
Observation range	WD: 6 - 100 mm / TL: 2 - 3mm
Distal end diameter	10.8 mm
Flexible portion diameter	
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	2.8 mm

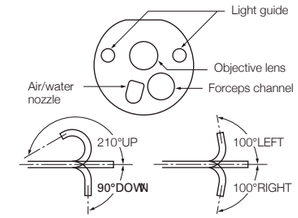


Image area & Forceps entry position

OPTICAL MAGNIFYING

Video Colonoscope

▶ EC-590WM4, EC-590WI4, EC-590WL4

These endoscopes for the lower G.I. tract routine examinations have an ultra-wide 140° field of view, a large 3.8 mm channel and also a water jet function which is effective for washing off mucus.

	WM4	WI4	WL4
Viewing direction	0° (Forward)		
Field of view	140°		
Observation range	3-100 mm		
Distal end diameter	12.8 mm		
Flexible portion diameter	12.8 mm		
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°		
Working length	1,330 mm	1,520 mm	1,690 mm
Total length	1,630 mm	1,820 mm	1,990 mm
Forceps channel diameter	3.8 mm		
Water jet	Equipped		

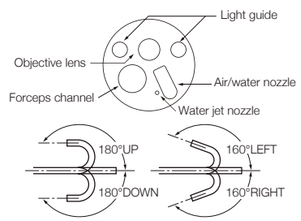


Image area & Forceps entry position

Video Colonoscope – Optical Magnification

▶ EC-590ZW3/M, EC-590ZW3/L

These optical magnifying endoscopes for the lower G.I. tract have a water jet function which is effective for washing off mucus and securing a better field of view. These endoscopes have a wide variety of functions such as a large 3.8 mm forceps channel, optical magnifying function and water jet function.

	ZW3/M	ZW3/L
Viewing direction	0° (Forward)	
Field of view	WD: 140° / TL: 55°	
Observation range	WD: 6-100 mm / TL: 2-3 mm	
Distal end diameter	12.8 mm	
Flexible portion diameter	12.8 mm	
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°	
Working length	1,330 mm	1,690 mm
Total length	1,630 mm	1,990 mm
Forceps channel diameter	3.8 mm	
Water jet	Equipped	

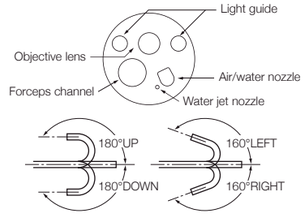


Image area & Forceps entry position

OPTICAL MAGNIFYING

530 series endoscopes

The new high definition standard in endoscopy

The Fujifilm high definition system represents the standard in digital endoscopy – in terms of both technology and cost- efficiency. It enables us to provide you with endoscopy equipment that is more affordable than ever before. At the heart of the system is the EPX-3500HD video processor, which delivers images in high definition without loss in quality.

Video Gastroscope – Transnasal Type

▶ EG-530NW

The ultra-slim gastroscope with a distal end diameter of 5.9 mm is made possible by FUJIFILM's proprietary microfabrication technology and offers a wide field of view with high-definition imaging similar to that obtainable with transoral gastroscopes. The flexible gastroscope is ideal for transnasal insertion and provides the operator with highly visible endoscopic images while reducing patient discomfort.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	4-100 mm
Distal end diameter	5.9 mm
Flexible portion diameter	5.9 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	2.0 mm

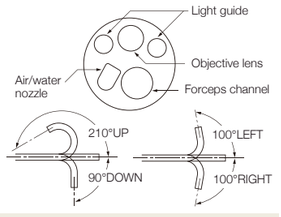
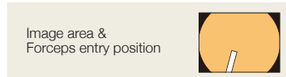


Image area & Forceps entry position



SUPER CCD FICE

140° WIDE VIEW

TRANSNASAL

ULTRA-SLIM 5.9 mm

Video Gastroscope – Transnasal Type

▶ EG-530NP

EG-530NP slimmed down its endoscope to the utmost and realized a 4.9 mm distal end (5.1 mm in the flexible portion), immensely improving the transnasal insertion capability. This transnasal endoscope is also equipped with dual light guides and a 2.0 mm forceps channel.

Viewing direction	0° (Forward)
Field of view	120°
Observation range	3-100 mm
Distal end diameter	4.9 mm
Flexible portion diameter	5.1 mm
Bending capability	UP 210° / DOWN 120°
Working length	1,100 mm
Total length	1,460 mm
Forceps channel diameter	2.0 mm

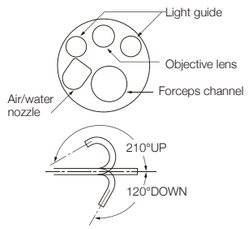
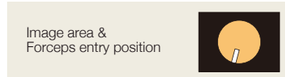


Image area & Forceps entry position



SUPER CCD FICE

TRANSNASAL

ULTRA-SLIM 4.9 mm

Video Gastroscope

▶ EG-530WR

The EG-530WR with a wide field of view of 140° provides exceptional visualization. With the forceps channel of 2.8 mm, it is a standard endoscope producing high-quality images, which is highly suited for biopsies and treatment.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	4-100 mm
Distal end diameter	9.4 mm
Flexible portion diameter	9.3 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	2.8 mm

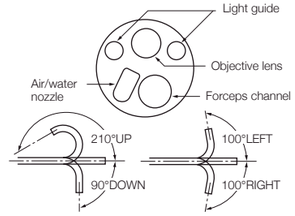
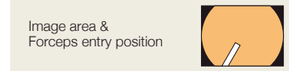


Image area & Forceps entry position



FICE

Video Gastroscope – Slim Type

▶ EG-530FP

EG-530FP is a slim endoscope for the upper G.I. tract having a forceps channel of 2.8 mm diameter and a distal end of 8.5 mm. Observation capability has been increased with a wide field of view of 140° and FUJIFILM's Super CCD technology.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	8.5 mm
Flexible portion diameter	8.5 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	2.8 mm

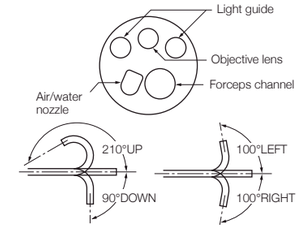
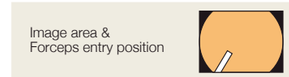


Image area & Forceps entry position



SUPER CCD FICE

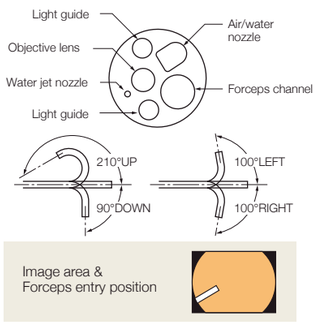
SLIM 8.5 mm

Video Gastroscope – Treatment Type

▶ EG-530CT

With the forceps channel as wide as 3.8 mm, EG-530CT's distal end is as slim as 10.8 mm in diameter. To support therapeutic interventions, a water jet function is incorporated.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	10.8 mm
Flexible portion diameter	10.8 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100 mm
Total length	1,400 mm
Forceps channel diameter	3.8 mm
Water jet	Equipped



Water Jet FICE

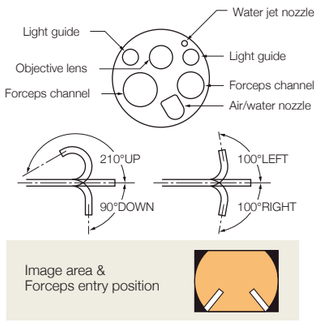
BIG CHANNEL

Video Gastroscope – Treatment Type

▶ EG-530D

EG-530D is an endoscope for treatment of the upper G.I. tract, having two forceps channels, 3.8 mm and 2.8 mm, and a distal end as slim as 11.5 mm. Water jet function is also incorporated for various treatment methods during endoscopy.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	11.5 mm
Flexible portion diameter	11.5 mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,090 mm
Total length	1,405 mm
Forceps channel diameter	3.8 mm / 2.8 mm
Water jet	Equipped



Water Jet FICE

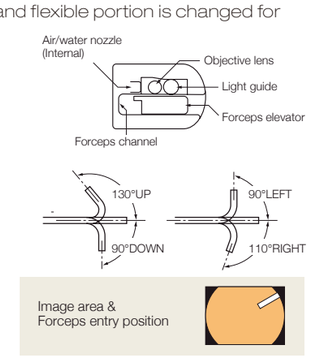
DUAL CHANNEL

Video Duodenoscope – Treatment Type

▶ ED-530XT, ED-530XT8

The structure of the distal end, bending portion and flexible portion is changed for improved operability during examination and treatment.

Viewing direction	98° (8° rearward)
Field of view	100°
Observation range	4-60 mm
Distal end diameter	13.1 mm
Flexible portion diameter	11.5 mm
Bending capability	UP 130° / DOWN 90° RIGHT 110° / LEFT 90°
Working length	1,250 mm
Total length	1,550 mm
Forceps channel diameter	4.2 mm



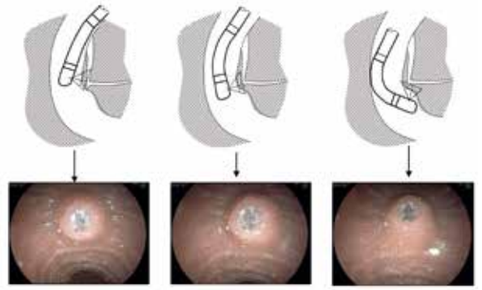
SUPER ECO FICE

BIG CHANNEL

Improved operability

Easy to catch the papilla

The objective lens arrangement and bending performance have been properly arranged to catch the papilla easily from various endoscope positions.



Improved insertion capability of ERCP accessories into the papilla

Newly designed forceps elevator has been applied to enhance accessory control more precisely and securely, facilitating easier ERCP treatment.

Easy operability of the insertion portion

The stiffness of the insertion portion has been improved for easier stomach stretching and insertion capability.

Excellent image quality

FUJIFILM's Super CCD, which has been exclusively developed for the endoscope, is built-in, providing clear images.

Improved cleaning and disinfection

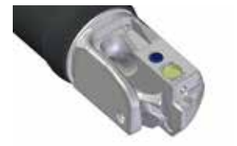
Removable distal end cap*

The ED-530XT8 is equipped with a disposable distal end cap. It enables brushing all channels and helps to improve the hygienic environment.

*ED-530XT8 only

Covered tilt-up mechanism

A covered tilt-up mechanism of the forceps elevator maintains the elevator wire clean without any additional cleaning procedure.

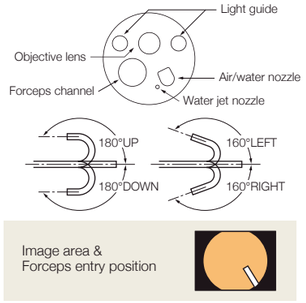


Video Colonoscope

EC-530WM3, EC-530WI3, EC-530WL3

With a wide field of view of 140°, these lower G.I. tract endoscopes have a greater resolution. The newly Gradual Stiffness design facilitates the insertion capability.

	WM3	WI3	WL3
Viewing direction	0° (Forward)		
Field of view	140°		
Observation range	3-100 mm		
Distal end diameter	12.8 mm		
Flexible portion diameter	12.8 mm		
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°		
Working length	1,330 mm	1,520 mm	1,690 mm
Total length	1,630 mm	1,820 mm	1,990 mm
Forceps channel diameter	3.8 mm		
Water jet	Equipped		

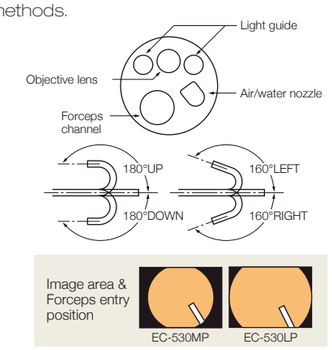


Video Colonoscope – Slim Type

EC-530LP

These are slim-type colonoscopes with the distal end of 11.0 mm. While these two slimmed-down endoscopes have improved insertability, they retain a 3.2 mm forceps channel to accommodate various treatment methods.

	LP
Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	11.0 mm
Flexible portion diameter	11.1 mm
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Working length	1,690 mm
Total length	1,990 mm
Forceps channel diameter	3.2 mm



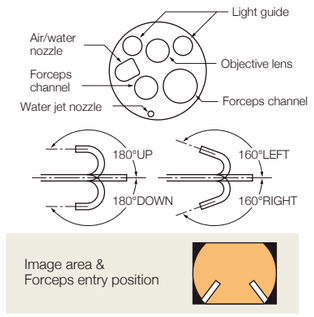
SLIM 11.0 mm

Video Colonoscope – Treatment Type

EC-530DL

These lower G.I. tract endoscopes have two forceps channels (3.8 mm and 2.8 mm), especially useful for treatment such as EMR.

	DL
Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	12.8 mm
Flexible portion diameter	12.8 mm
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Working length	1,690 mm
Total length	2,005 mm
Forceps channel diameter	3.8 mm / 2.8 mm
Water jet	Equipped



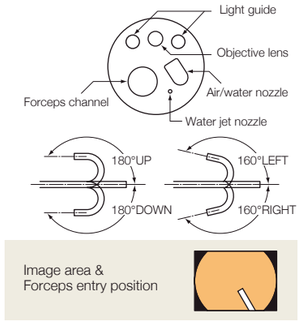
DUAL CHANNEL

Video Colonoscope

EC-530FI, EC-530FL

These super wide-angle standard colonoscopes offer a large 3.8 mm working channel inside a slim 12.8 mm outside diameter. An ultra-wide 140° field of view enhances the image quality. These colonoscopes also offer a wider observation range from 3-100 mm. In addition, an integrated forward water jet allows for lavage in clinical situations.

	FI	FL
Viewing direction	0° (Forward)	
Field of view	140°	
Observation range	3-100 mm	
Distal end diameter	12.8 mm	
Flexible portion diameter	12.8 mm	
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°	
Working length	1,520 mm	1,690 mm
Total length	1,820 mm	1,990 mm
Forceps channel diameter	3.8 mm	
Water jet	Equipped	

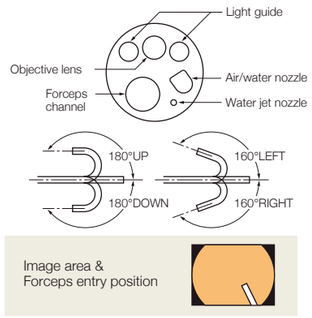


Video Sigmoidoscope

ES-530WE

ES-530WE is a sigmoidoscope of an effective length of 790 mm. The forceps channel diameter is 3.8 mm, and is equipped with water jet function.

Viewing direction	0° (Forward)
Field of view	140°
Observation range	3-100 mm
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Working length	790mm
Total length	1,090mm
Forceps channel diameter	3.8mm
Water jet	Equipped



Enteroscope – Treatment Type

EN-530T

Viewing direction	0° (Forward)
Field of view	140°
Observation range	2-100 mm
Distal end diameter	9.4 mm
Flexible portion diameter	9.3 mm
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°
Working length	2,000 mm
Total length	2,300 mm
Forceps channel diameter	3.2 mm