

**FUJIFILM**



# EPX-2500

ELECTRONIC VIDEO ENDOSCOPY SYSTEM



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ELECTRONIC VIDEO ENDOSCOPY SYSTEM

Compact size processor with an integrated light source  
Realizing simple operability and high-quality images

## Ease-of-Use

The EPX-2500 has a compact body with an integrated light source.  
We realize its simple operability for pursuing an ideal examination environment.

## DIGITAL High Resolution Images

The DVI on board enables high-quality digital images.  
providing physicians with clear images.

## Xenon

High quality Xenon lamp provides high  
and stable brightness for long periods.

**Ease-of-Use**

Simple operability

**DIGITAL  
High Resolution  
Images**

DVI output

**Xenon**

High-quality Xenon lamp







## Simple operability

### Multi Switch Button

Frequently used functions including BLV function, Iris mode, electronic image zoom, connecting scope data, and light limit can be allocated to the multi switch button. This button allows you to select the function you need swiftly, leading to increased efficiency during examinations.



Multi switch button

### Blood Vessel Enhancement Function

This function detects the subtle color changes in mucosa and vessels.

### Double EVE connector sockets

Fitted with sockets for the 530 series and the 200 series endoscopes. The compatibility with various endoscopes allows for the use of the most suitable scopes for the clinical setting.

### Picture in Picture Function

The Picture in Picture function automatically displays a real-time video image in a small screen while freezing the image in the observation screen, further enhancing the examination.



### Noise Reduction

This function reduces image noise and enhances image clarity.



## DVI (Digital Visual Interface) output

DVI enables digital output of high-quality images providing clear endoscopic images when using with LCD monitor.



## High-quality Xenon lamp

The 150W Xenon lamp is four times brighter and last six times longer than halogen lamps enabling stable brightness for long periods. Equipped with easily changeable lamp facility.





# 530

Series Scope

High quality 530 Series Endoscope covers screening, diagnosis and treatment.

## Designed Lighter & Slimmer

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

Circumference  
**10mm  
less**

## Right fit, agile movement. Light-weight grip for high operability.

The 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. 530 SERIES SCOPE offers you added comfort in routine diagnosis.

## 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.



## Light-weight Connector

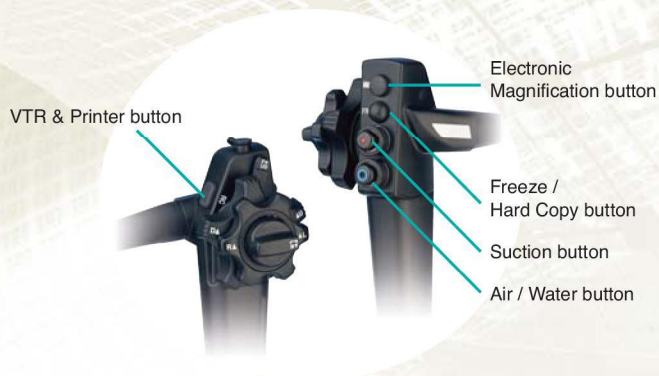
The connectors incorporated in the 530 SERIES SCOPE are slim, lightweight, and easy to handle. Procedures are now considerably less bothersome when the endoscope has to be removed / attached for cleaning and disinfection on every occasion of endoscopy.





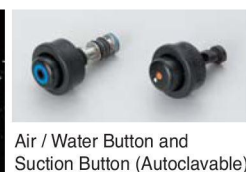
## Improved Operability

New positioning of the functional switches, Air / Water and Suction buttons minimize finger travel and improve efficiency.



## Improved Cleaning and Disinfection

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

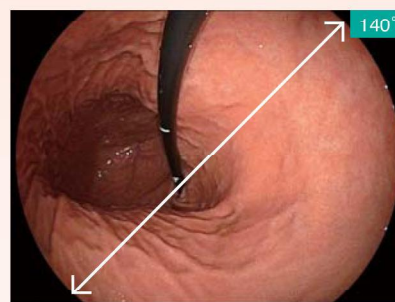
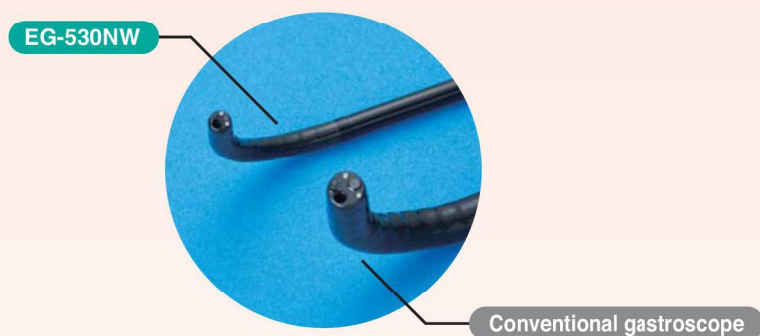


Air / Water Button and Suction Button (Autoclavable)

## EG-530NW

### Ultra-slim gastroscope with a 140° wide field of view

The ultra-slim gastroscope with a distal end diameter of 5.9mm is made possible by FUJIFILM's proprietary microfabrication technology and offers a wide field of view with high resolution 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.



EG-530NW with a 140° field of view

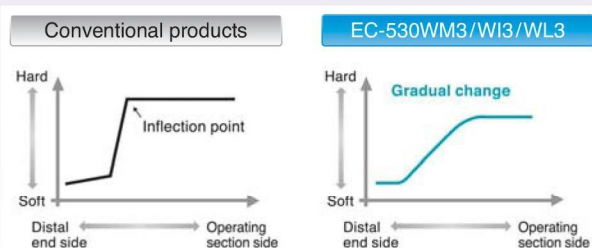
## EC-530WM3 / WI3 / WL3

### Colonoscope with better maneuverability and insertion capability

#### Insertion section with gradual flexibility of the outer surface

Newly designed insertion section with gradual flexibility enhances insertion. It prevents extension of the large intestine, leading to smoother insertion of the endoscope.

#### Gradual change in flexibility of the insertion section



#### Improved grip performance with newly-designed surface shape

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



## EG-530WR

### Video Gastroscope - Standard Type

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

EG-530WR	
Viewing direction	0°(Forward)
Field of view	140°
Observation range	4 - 100mm
Distal end diameter	9.4mm
Flexible portion diameter	9.3mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100mm
Total length	1,400mm
Forceps channel diameter	2.8mm

Generic Name : Flexible video gastroduodenoscope

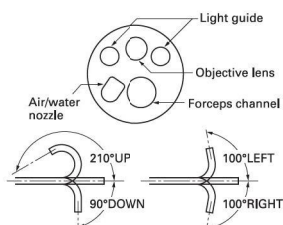


Image area & Forceps entry position



WIDE VIEW



## EG-530FP

### Video Gastroscope - Slim Type

The EG-530FP is a slim endoscope having a forceps channel of 2.8mm diameter and a distal end of 8.5mm. Observation capability has been increased with a 140° wide field of view.

EG-530FP	
Viewing direction	0°(Forward)
Field of view	140°
Observation range	3 - 100mm
Distal end diameter	8.5mm
Flexible portion diameter	8.5mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°
Working length	1,100mm
Total length	1,400mm
Forceps channel diameter	2.8mm

Generic Name : Flexible video gastroduodenoscope

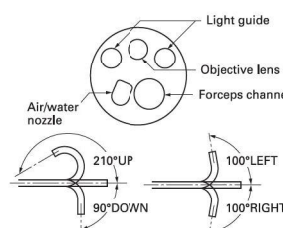
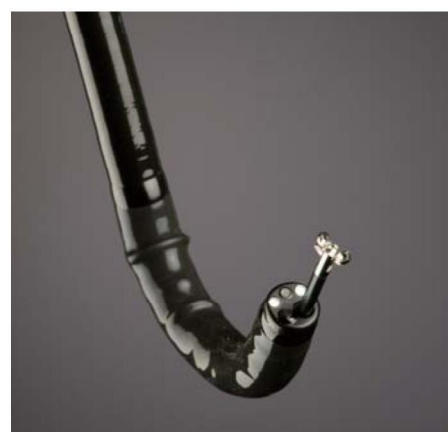


Image area & Forceps entry position



SLIM 8.5mm

WIDE VIEW



## EG-530NW / NP

### Video Gastroscope - Ultra-Slim / Transnasal Type

EG-530NW/NP slimmed down its scope and realized a 5.9mm distal end for the EG-530NW and a 4.9mm distal end for the EG-530NP. These transnasal endoscopes are also equipped with dual light guides and a 2.0mm forceps channel. Angulation capability for the EG-530NW is 4-way and the EG-530NP is 2-way. The EG-530NW has wide 140° field of view.

\*EG-530NP is not compatible with high-frequency treatment.

	EG-530NW	EG-530NP
Viewing direction	0°(Forward)	
Field of view	140°	120°
Observation range	4 - 100mm	3 - 100mm
Distal end diameter	5.9mm	4.9mm
Flexible portion diameter	5.9mm	5.1mm
Bending capability	UP 210° / DOWN 90° RIGHT 100° / LEFT 100°	UP 210° / DOWN 120°
Working length	1,100mm	
Total length	1,400mm	1,460mm
Forceps channel diameter	2.0mm	

Generic Name : Flexible video gastroduodenoscope

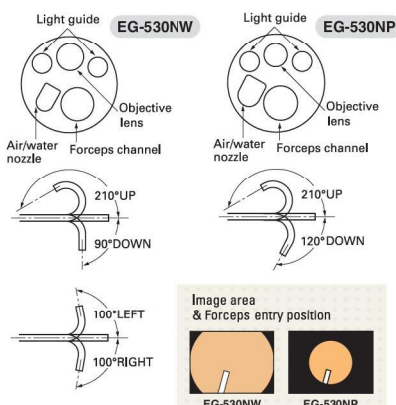


Image area & Forceps entry position



TRANSNASAL

ULTRA SLIM

WIDE VIEW\*\*



\*\* EG-530NW only.



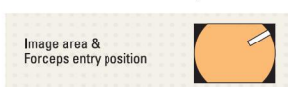
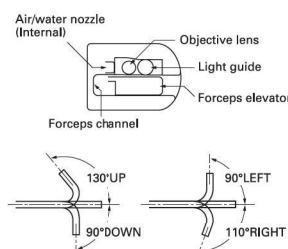
## ED-530XT / XT8

### Video Duodenoscope

A newly designed forceps elevator has been applied to enhance accessory control more precisely and securely, making ERCP treatment easier. A covered tilt-up mechanism of the forceps elevator maintains a clean elevator wire without any additional cleaning procedures.

	ED-530XT, ED-530XT8
Viewing direction	98°(8°rearward)
Field of view	100°
Observation range	4 - 60mm
Distal end diameter	13.1mm
Flexible portion diameter	11.5mm
Bending capability	UP 130° / DOWN 90° RIGHT 110° / LEFT 90°
Working length	1,250mm
Total length	1,550mm
Forceps channel diameter	4.2mm

Generic Name : Flexible video duodenoscope



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

BIG CHANNEL

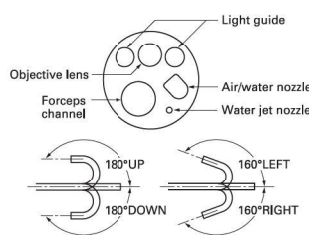
## EC-530WM3 / WI3 / WL3

### Video Colonoscope - Standard Type

With a wide field of view of 140°, these colonoscopes have a greater resolution at the image edges. Flexible insertion portion with gradual stiffness and operation portion with light-weight grip facilitates insertion.

	EC-530WM3	EC-530WI3	EC-530WL3
Viewing direction	0°(Forward)		
Field of view	140°		
Observation range	3 - 100mm		
Distal end diameter	12.8mm		
Flexible portion diameter	12.8mm		
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°		
Working length	1,330mm	1,520mm	1,690mm
Total length	1,630mm	1,820mm	1,990mm
Forceps channel diameter	3.8mm		

Generic Name : Flexible video colonoscope



WIDE VIEW

WATER JET

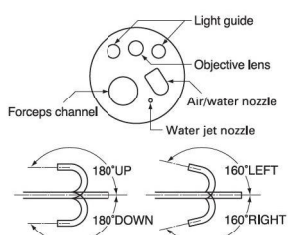
## EC-530FM / FI / FL

### Video Colonoscope - Standard Type

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

	EC-530FM	EC-530FI	EC-530FL
Viewing direction	0°(Forward)		
Field of view	140°		
Observation range	3 - 100mm		
Distal end diameter	12.8mm		
Flexible portion diameter	12.8mm		
Bending capability	UP 180° / DOWN 180° RIGHT 160° / LEFT 160°		
Working length	1,330mm	1,520mm	1,690mm
Total length	1,630mm	1,820mm	1,990mm
Forceps channel diameter	3.8mm		

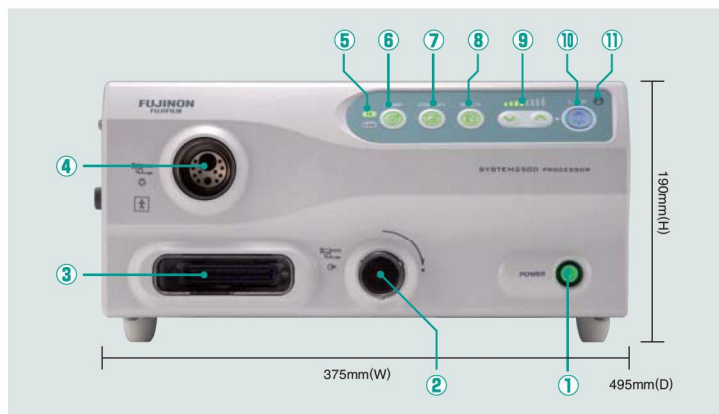
Generic Name : Flexible video colonoscope



WIDE VIEW

WATER JET

## Functions of Parts



### ① Power switch

### ② 530 series EVE connector socket

To connect the video connector of the 530 series.(Except EG-530UT2 / UR2)

### ③ 200, 250, 270 series EVE connector socket

To connect the video connector of the 200, 250 and 270 series.

### ④ Endoscope socket

To connect the LG connector of the endoscope.

### ⑤ Air supply indicator

Shows "Hi" and "Low" of air supply. Lights are off when pump is off.

### ⑥ Pump button

Air supply pressure at 3 levels, "Hi", "Low", and "Off"

### ⑦ Data ON/OFF button

Turns the patient data or the date on the screen ON/OFF.

### ⑧ Multi switch button

Various functions (BLV, Iris, EM, Reset, Information and Light Limit) can be allocated to this button.

### ⑨ Brightness adjustment buttons

Increase or decrease the level of brightness.

### ⑩ Lamp button

The main lamp turns on and off by pressing this button.

### ⑪ Emergency lamp alarm

Flashes when the main lamp does not light up.

## EPX-2500 Specifications

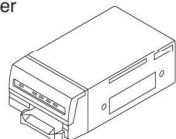
<b>Digital output</b>	DVI (Digital Visual Interface)
<b>Analog output</b>	RGB (2) : SDTV (NTSC/PAL) Y/C (2) : SDTV (NTSC/PAL) Composite : SDTV (NTSC/PAL)
<b>Color adjustment</b>	Black, Red, Green, Blue, R-Hue, Chroma;9 settings
<b>Detail</b>	Hi, LO; 9 settings
<b>Contrast (gamma)</b>	9 settings
<b>BLD</b>	Hi, Mid, Lo, Off
<b>Picture in Picture</b>	On, Off; Size : 1/4, 1/3
<b>Auto gain control</b>	Off, +3db, +6db
<b>Iris</b>	Average / Peak
<b>Zoom</b>	Electric zoom : x1.0 - x2.0; 0.05 steps
<b>Lamp rated value</b>	Main lamp : 11.7V 150W Xenon lamp Emergency lamp : 12V 75W Halogen lamp
<b>Brightness control</b>	9 settings
<b>Lamp cooling method</b>	Forced air cooling
<b>Air supply pump</b>	Hi, Low, Off
<b>Power</b>	120V 60Hz 2.7A / 230V 50Hz 1.4A
<b>Dimensions (WxHxD)</b>	375 x 190 x 495mm (including projections)
<b>Weight</b>	17.0kg

Generic Name : Endoscopic light source / processing unit

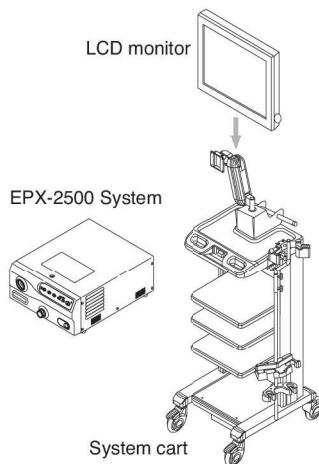
## EXAMPLE OF SYSTEM CONFIGURATION

### Recording Device

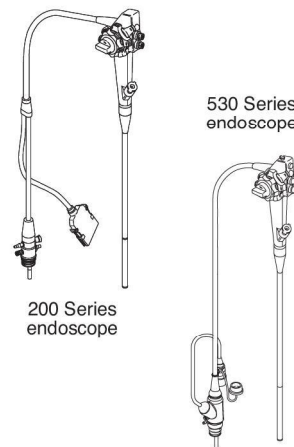
#### Printer



#### DVD recorder



\*The appearance of the cart varies depending on the sales area.



\*Some endoscopes may not be compatible with this system.

Specifications are subject to change without notice.

# FUJIFILM

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