

# 2200

ELECTRONIC VIDEO ENDOSCOPY SYSTEM

**FUJINON**



**FUJIFILM**

# ***Fujinon introduces a higher standard for electronic video endoscopy with the newly designed 2200 System.***

*Setting a new criteria for diagnostic and therapeutic endoscopy, the 2200 System provides physicians with Fujinon's world-class imaging and the exceptional ergonomics of the newly designed G-5™ Endoscopes.*

## **Compact size**

Compact size with select functions for easy operation during routine examination.

## **Bright, clear and sharp images**

Bright, clear and sharp images generated by the newly developed xenon lamp and high-resolution CCD.





# 2200

ELECTRONIC VIDEO ENDOSCOPY SYSTEM

## Optimal scope maneuverability

The newly developed grip and low-torque angulation controls contribute to optimal scope maneuverability.



# NEW

# FUJINON G-5™ VIDEO ENDO

## LESS WEIGHT, LESS TORQUE, LESS FATIGUE —

The newly developed light-weight and compact grip fits into your hand and enhances scope maneuverability with redesigned easy-to-reach control wheels.

### Reduced Size and Weight



Compared with previous version

# G-5™

ENDOSCOPY



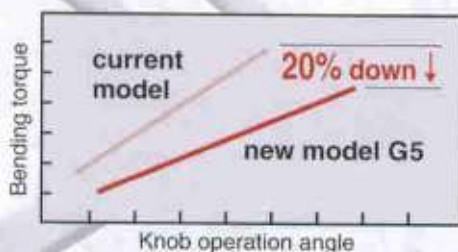
# SCOPES

## - MORE PRODUCTIVITY!

### Reduced Operating Torque

The new grip, 20% less in weight and 10 mm slimmer in circumference, improves scope operability.

With the redesigned easy-access controls, handling of the new instrument range will be more ergonomic and simpler than ever before.



### Improved Cleaning and Disinfection

The gentle convex control body with its unique, anti-slip contours creates a smoother, flatter surface assuring all areas receive optimal exposure contact with cleaning and high-level disinfecting solutions.

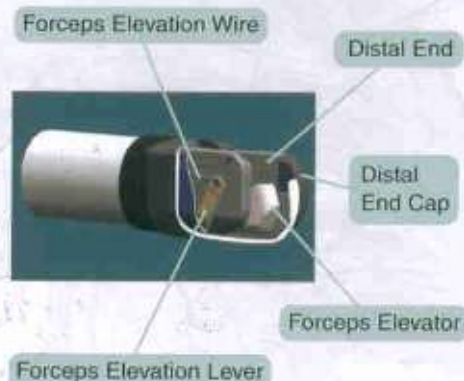
### Improved Operability

New positioning of all functional switches and Air/Water/Suction buttons minimizes finger travel and improves efficiency (based on analysis of operating frequency of every switch and button).



### Critical Features

G-5™ Duodenoscopes Utilize a New, Self-contained Elevator Mechanism



Our new duodenoscope features a completely self-contained accessory elevator system that provides a precisely designed distal elevator mechanism resulting in significantly reduced elevation torque while allowing for intricate operational adjustments required during most therapeutic endoscopy procedures. In addition, the sealed channel reduces cleaning and disinfection concerns.



# The EPX-2200

Digital Processor and  
150W Xenon Light Source  
Combination Unit



## Smaller Size, Lighter Weight



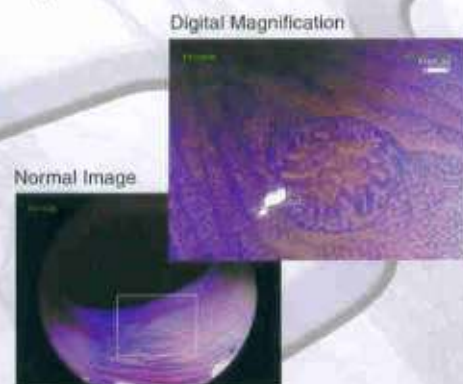
## A Xenon Lamp is 400% Brighter

A 150 watt xenon lamp is four times brighter than similar halogen sources, and offers six times the lamp life.



## Instant Magnification of High Resolution Images

A push of a button enables instant digital magnification of between 1.0 and 2.0 times. This feature is available with all of Fujinon's endoscopes.



Masafumi Tabuchi, M.D. Director, Nakameguro Sheukaki Clinic Tokyo

## BLV (Blood Vessel Enhancement) Function

The BLV function allows for a more detailed visualization of blood vessels when necessary.



BLV OFF



BLV ON

## EPX-2200 Specifications

TV system	NTSC/PAL
Power supply	AC120V/230V
Image zoom	Electronic Zoom X1.00 to X2.00 (0.05steps)
Memory	Patient data-44 patients Clinical procedure-20 procedures
Light source	150 watt Xenon lamp (Emergency lamp 75W Halogen lamp)
Dimensions	330(W) X 430(D) X 160(H)mm, 13 X 16.9 X 6.3 inches
Weight	16kg (35.2lbs)
Image output	Video(BNC) 1 channel S-Video 2 channels RGB-VIDEO 2 channels



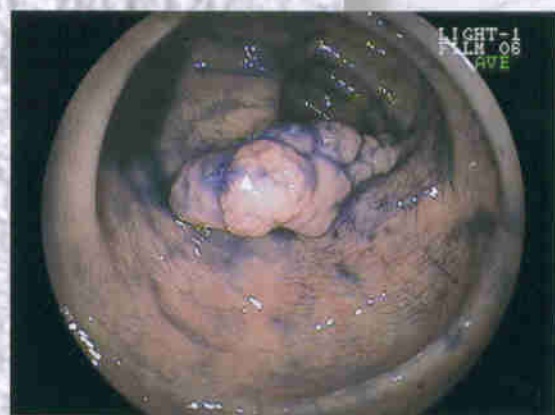
EG-250WR5



EC-250WM5



EG-250WR5



EC-250WM5

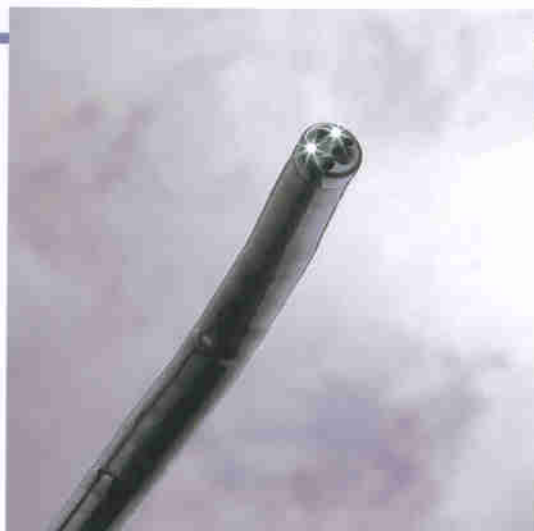


EG-250WR5



EC-250WM5





## For the Upper G.I. Tract -Standard type

### EG-250WR5

EG-250WR5 combines high resolution imaging — a 410K-pixel CCD is contained within the narrow distal end — with an ultra-wide 140° field of view to produce images of outstanding accuracy and detail. It allows better observation of minute blood vessels as well as excellent imaging in routine examinations. The slimmer 9.4mm diameter eases insertion and facilitates more extreme angulation. The channel has a 2.8mm diameter.

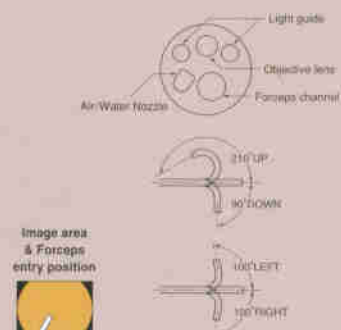


**SUPER  
IMAGE**

**WIDE VIEW**

**410K CCD**

Viewing direction	Forward
Observation range	5 ~100mm
Field of view	140 °
Distal end diameter	9.4mm
Flexible portion diameter	9.3mm
Bending capability :UP	210 °
	DOWN 90 °
	LEFT 100 °
	RIGHT
Forceps channel diameter	2.8mm
Working length	1,100mm
Total length	1,400mm



## For the Upper G.I. Tract -Slim type

### EG-250PE5

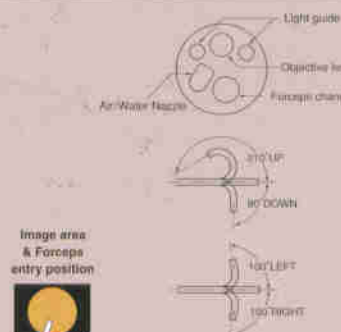
The slim EG-250PE5 Video Gastroscopy is ideal for patients with difficult or stenosed anatomy. Utilizing the very latest Fujinon technology for a slimmer insertion tube is the EG-250PE5 gastrointestinal videoscope. The EG-250PE5 offers a narrow 8.1mm diameter insertion tube and 2.2mm diameter channel to provide less patient discomfort while simultaneously supplying a high image quality for accurate observation.



**SLIM**

**410K CCD**

Viewing direction	Forward
Observation range	4 ~100mm
Field of view	120 °
Distal end diameter	8.2mm
Flexible portion diameter	8.1mm
Bending capability :UP	210 °
	DOWN 90 °
	LEFT 100 °
	RIGHT
Forceps channel diameter	2.2mm
Working length	1,100mm
Total length	1,400mm





## For the Upper G.I. Tract -Ultra slim type

### EG-270N5/NH5\*

Fujinon's new, ultra-thin video gastroscope, the EG-270N5, incorporates the most recent advancements in the miniaturization of CCD chips. The N5 boasts a 5.9mm insertion tube diameter with a 2.0mm working channel all designed to dramatically improve patient comfort, reduce overall sedation, and improve recovery time. In addition, the ultra-thin design functions perfectly in cases where traditional pediatric gastroscopes are too large.

G<sup>5</sup> ENDOSCOPY

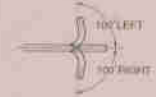
ULTRA SLIM

\*EG-270NH5=Hard Type FSA for insertion through the mouth

Viewing direction	Forward
Observation range	3 ~ 100mm
Field of view	120°
Distal end diameter	5.9mm
Flexible portion diameter	5.9mm
Bending capability : UP	210°
DOWN	90°
LEFT	100°
RIGHT	
Forceps channel diameter	2.0mm
Working length	1,100mm
Total length	1,400mm



Image area  
& Forceps  
entry position



## For the Upper G.I. Tract -Treatment type

### EG-250CT5

Therapeutic in function with a 3.8 mm forceps channel and a 10.8mm outer diameter, the EG-250CT5 is a versatile endoscope. The CT5 was designed with Fujinon's industry leading high-resolution 410,000 pixel CCD chip – the cornerstone of all Fujinon endoscopes. The advanced design of the CT5 provides for a forward water jet function that allows easy washing and dye spraying of lesions to enhance the physician's diagnostic and therapeutic capabilities.

G<sup>5</sup> ENDOSCOPY

SUPER  
IMAGE

WIDE VIEW

410K CCD

BIG CHANNEL

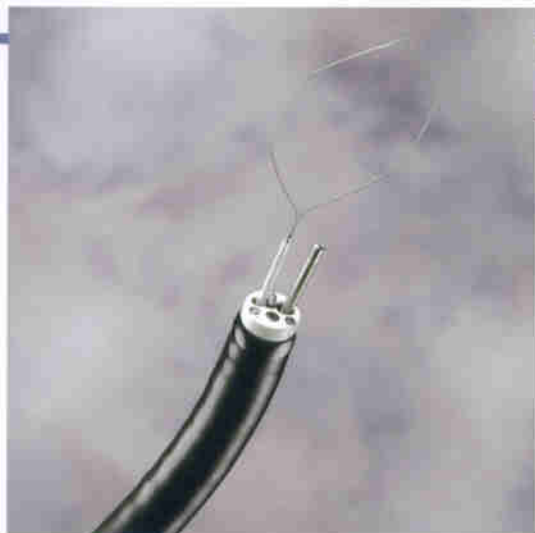
WATER JET

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	10.8mm
Flexible portion diameter	10.8mm
Bending capability : UP	210°
DOWN	90°
LEFT	100°
RIGHT	
Forceps channel diameter	3.8mm
Working length	1,100mm
Total length	1,400mm



Image area  
& Forceps  
entry position





## For the Upper G.I. Tract - Dual-channel type

### EG-250D5

Fujinon's new double channel gastroscope, the D5, offers two large forceps channels measuring 3.8 mm and 2.8 mm, all within a remarkable distal end diameter of 11.5 mm. The dual channels allow for smooth operation during procedures such as EMR (endoscopic mucosal resection) and therapeutic procedures. In addition, the D5 incorporates a forward water jet function that allows for easy washing and dye spraying of lesions in procedures involving Chromoendoscopy.

**G5** ENDOSCOPY

**SUPER IMAGE**

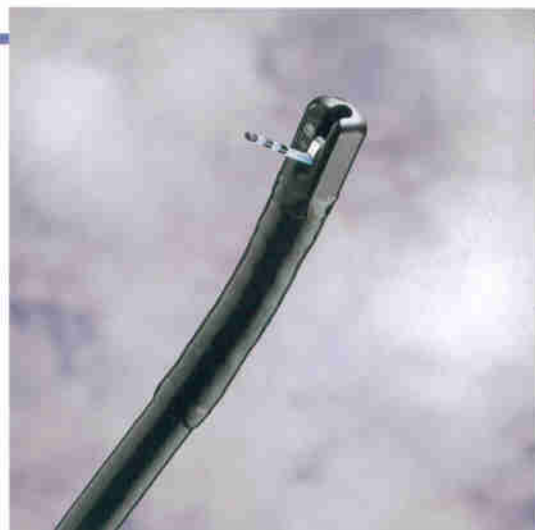
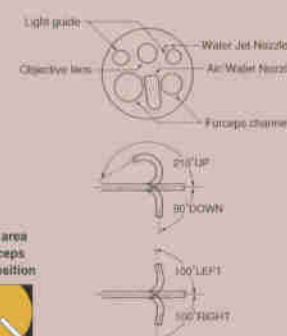
**410K CCD**

**WIDE VIEW**

**DUAL CHANNEL**

**WATER JET**

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	11.5mm
Flexible portion diameter	11.5mm
Bending capability : UP	210°
DOWN	90°
LEFT	100°
RIGHT	
Forceps channel diameter	3.8/2.8mm
Working length	1,090mm
Total length	1,390mm



## For the Duodenum - Standard type

### ED-250XL5

The ED-250XL5 is a traditional diagnostic duodenoscope offering a 3.2mm working channel inside an insertion tube of only 10.8mm. The distal end diameter is 12.5mm and incorporates a 15° retrograde lens and Fujinon's world class 410,000 pixel CCD chip. In addition, the XL5 has a sealed elevator channel that totally alleviates the traditional disinfection concerns of elevator mechanisms, and provides much smoother operation.

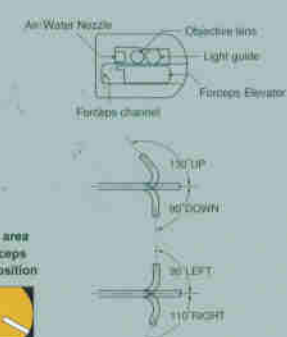
**G5** ENDOSCOPY

**SUPER IMAGE**

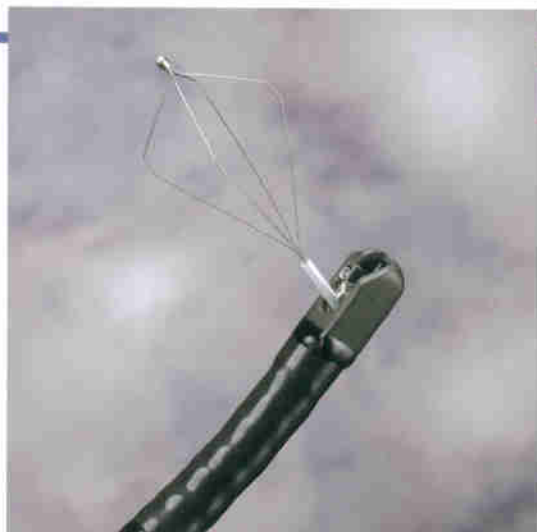
**410K CCD**

**NEW ELEVATION**

Viewing direction	Lateral (15° rearward)
Observation range	4 ~ 60mm
Field of view	100°
Distal end diameter	12.5mm
Flexible portion diameter	10.8mm
Bending capability : UP	130°
DOWN	90°
LEFT	110°
RIGHT	
Forceps channel diameter	3.2mm
Working length	1,250mm
Total length	1,550mm







## For the Duodenum -Treatment type

### ED-250XT5

Fujinon's new large channel duodenoscope, the ED-250XT5, is capable of performing every endoscopic procedure in the common bile duct and pancreatic duct with its large 4.2 mm forceps channel. The diameter of the flexible section is a slim 11.8 mm, and the smaller bending radius and shortened bending section allows for easier access for complete therapeutic function. As with all Fujinon endoscopes, the XT5 incorporates a 410,000 pixel CCD chip for unparalleled visual performance.

**G5** ENDOSCOPE

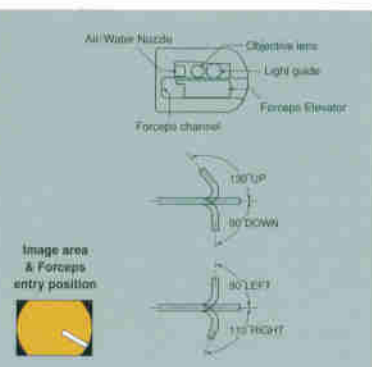
**SUPER IMAGE**

**410K CCD**

**BIG CHANNEL**

**NEW ELEVATION**

Viewing direction	Lateral (8° rearward)
Observation range	4 ~ 60mm
Field of view	100°
Distal end diameter	13.1mm
Flexible portion diameter	11.8mm
Bending capability : UP	130°
DOWN	
LEFT	90°
RIGHT	110°
Forceps channel diameter	4.2mm
Working length	1,250mm
Total length	1,550mm



## For the Lower G. I. Tract -Standard type /Wide Angle

### EC-250WM5/WI5/WL5

These super wide-angle treatment colonoscopes offer a very large 3.8mm working channel inside a slim 12.8mm insertion tube diameter. An ultra-wide 140° 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 critical situations.

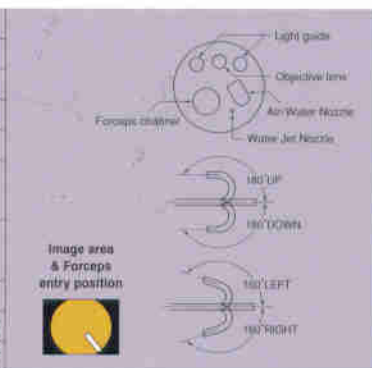
**G5** ENDOSCOPE

**WIDE VIEW**

**410K CCD**

**WATER JET**

Viewing direction	Forward
Observation range	3 ~ 100mm
Field of view	140°
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability : UP	
DOWN	180°
LEFT	
RIGHT	160°
Forceps channel diameter	3.8mm
Working length	1,330/1,520/1,690mm
Total length	1,630/1,820/1,990mm





## For the Lower G.I. Tract -Standard type / Super Image

### EC-250HL5

A super-image colonoscope, the EC-250HL5 has a large 3.8mm diameter channel and an ultra wide field of view of 140°. This gives you wide and dynamic images for easier tract tracing and more accurate orientation. The improved operating portion with lighter weight and reduced bending torque also allows more comfortable operation and easier treatment. In addition, an integrated forward water jet allows for lavage in critical situations.

**G5**  
FUCHICOPY

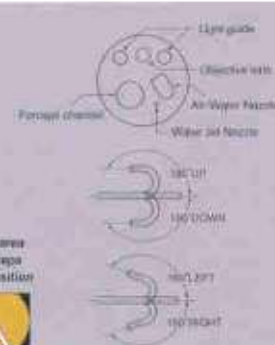
**SUPER  
IMAGE**

**WIDE VIEW**

**410K CCD**

**WATER JET**

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability :UP	180°
DOWN	
LEFT	
RIGHT	160°
Forceps channel diameter	3.8mm
Working length	1,690mm
Total length	1,990mm



## For the Lower G.I. Tract -Slim type

### EC-250LS5

Fujinon brings advancements in insertion tube design to its new super slim colonoscope, the EC-250LS5. The LS5 offers the insertion characteristics of an adult colonoscope, but has a slim 11.5mm outside diameter and a generous 3.8mm working channel. Perfect for pediatric patients, smaller adult females, and elderly patients, the LS5 offers superior handling in every regard. In addition, an integrated forward water jet allows for lavage in critical situations.

**G5**  
FUCHICOPY

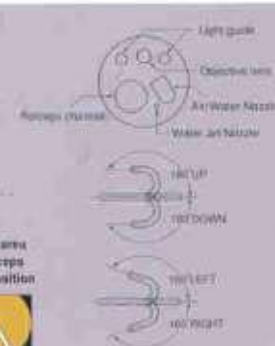
**SLIM**

**SUPER  
IMAGE**

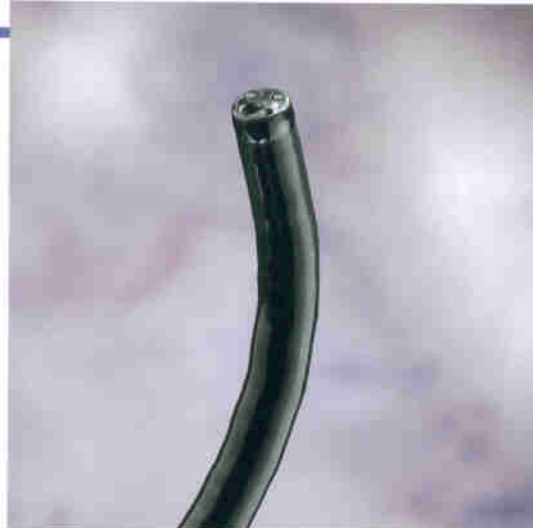
**WIDE VIEW**

**WATER JET**

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	11.5mm
Flexible portion diameter	11.5mm
Bending capability :UP	180°
DOWN	
LEFT	
RIGHT	160°
Forceps channel diameter	3.8mm
Working length	1,690mm
Total length	1,990mm







## For the Lower G.I. Tract - Slim type

# EC-250MP5

EC-250MP5 is slimmer than conventional adult colonoscopes with an 11.0mm outer diameter insertion tube, yet still features a 3.2mm working channel that is suitable for routine colonoscopy. It is easy to intubate and maneuver, and is more comfortable for patients, especially children and adults with strictures. Superior image quality, extra-wide 140° field of view and extensive 4-way angulation (180° up/down and 160° left/right) enable complete examination of the colon.

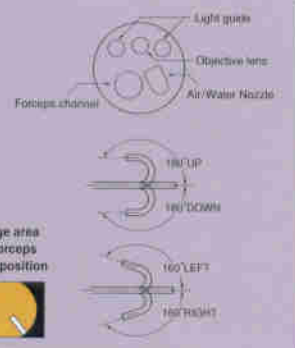
G<sup>5</sup> ENDOSCOPY

SLIM

410K CCD

WIDE VIEW

Viewing direction	Forward
Observation range	3 ~ 100mm
Field of view	140°
Distal end diameter	11.0mm
Flexible portion diameter	11.1mm
Bending capability : UP	180°
DOWN	
LEFT	
RIGHT	
Forceps channel diameter	3.2mm
Working length	1,330mm
Total length	1,630mm



## For the Lower G.I. Tract - Slim type

# EC-250LP5

Fujinon brings advancements in insertion tube design to its new super slim colonoscope, the EC-250LP5. The LP5 offers the insertion characteristics of an adult colonoscope, but has a slim 11.1mm outside diameter and a generous 3.2mm working channel. Perfect for pediatric patients, smaller adult females, and elderly patients, the LP5 offers superior handling in every regard.

G<sup>5</sup> ENDOSCOPY

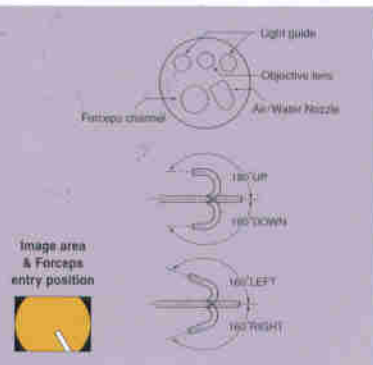
SLIM

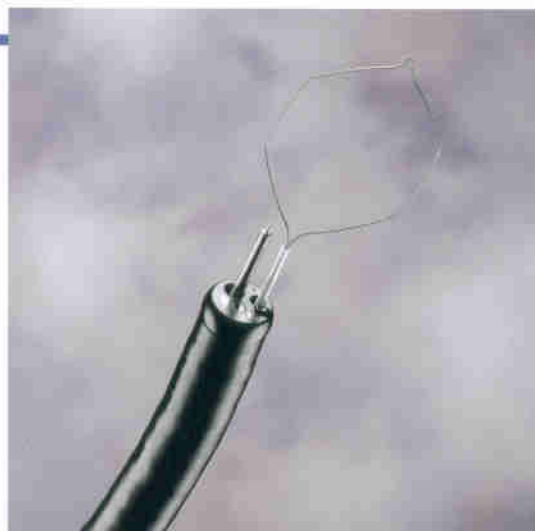
SUPER IMAGE

WIDE VIEW

410K CCD

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	11.0mm
Flexible portion diameter	11.1mm
Bending capability : UP	180°
DOWN	
LEFT	
RIGHT	
Forceps channel diameter	3.2mm
Working length	1,690mm
Total length	1,990mm





## For the Lower G.I. Tract - Dual-channel type

### EC-250DM5/DL5

With its sharp image, wide 140° field of view, and slim 12.8 mm outer diameter, Fujinon's DM5/DL5 colonoscope combines the features of a standard colonoscope with the benefits of dual channel therapeutic capability. Impressive 3.8mm and 2.8mm working channels allow for a wide range of advanced procedures while maintaining patient comfort. The incorporated forward water jet function assists in critical lavage, and adds easier dye spraying application.

**G5** ENDOSCOPY

**SUPER  
IMAGE**

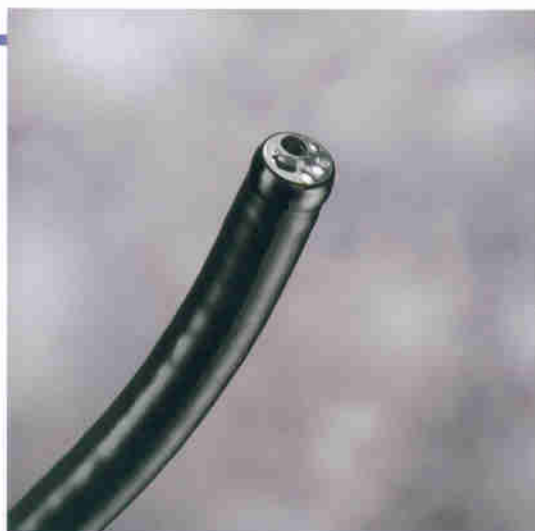
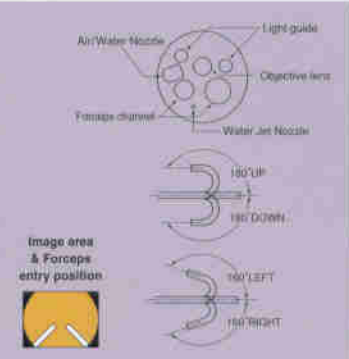
**410K CCD**

**WIDE VIEW**

**DUAL CHANNEL**

**WATER JET**

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability : UP	180°
DOWN	
LEFT	
RIGHT	160°
Forceps channel diameter	3.8/2.8mm
Working length	1,330/1,690mm
Total length	1,630/1,990mm



## For the Lower G.I. Tract -Super wide angle sigmoidoscope

### ES-250WE5

The WE5 sigmoidoscope has a wide 140° field of view and clear image for meticulous examination. It incorporates a 3.8 mm working channel allowing not only for the use of a wide range of therapeutic accessories but also for powerful aspiration during procedures. This general purpose scope provides excellent performance for both examination and treatment. In addition, an integrated forward water jet allows for lavage in critical situations.

**G5** ENDOSCOPY

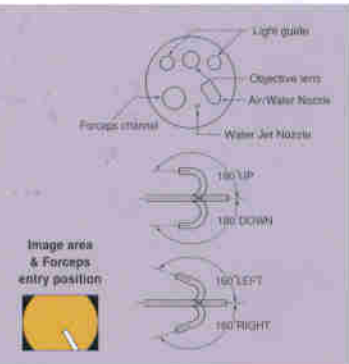
**SUPER  
IMAGE**

**410K CCD**

**WIDE VIEW**

**WATER JET**

Viewing direction	Forward
Observation range	5 ~ 100mm
Field of view	140°
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability : UP	180°
DOWN	
LEFT	
RIGHT	160°
Forceps channel diameter	3.8mm
Working length	790mm
Total length	1,090mm





# 2200 ELECTRONIC VIDEO ENDOSCOPY SYSTEM

**ENDOSCOPE**  
(200, 250, 270SERIES)



For the Upper G.I. Tract  
For the Duodenum  
For the Lower G.I. Tract

**PROCESSOR**  
EPX-2200



**MONITOR**



**EVE Module**  
EM-200



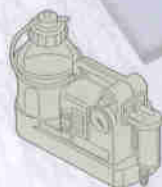
**SURGICAL UNITS**



**AIRTIGHTNESS  
TESTER**



**WATER-TANK**



**SUCTION PUMP**



**ADAPTER FOR NON-FUJINON  
CLEANING MACHINES**



**VCR**



**VIDEO PRINTER**

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