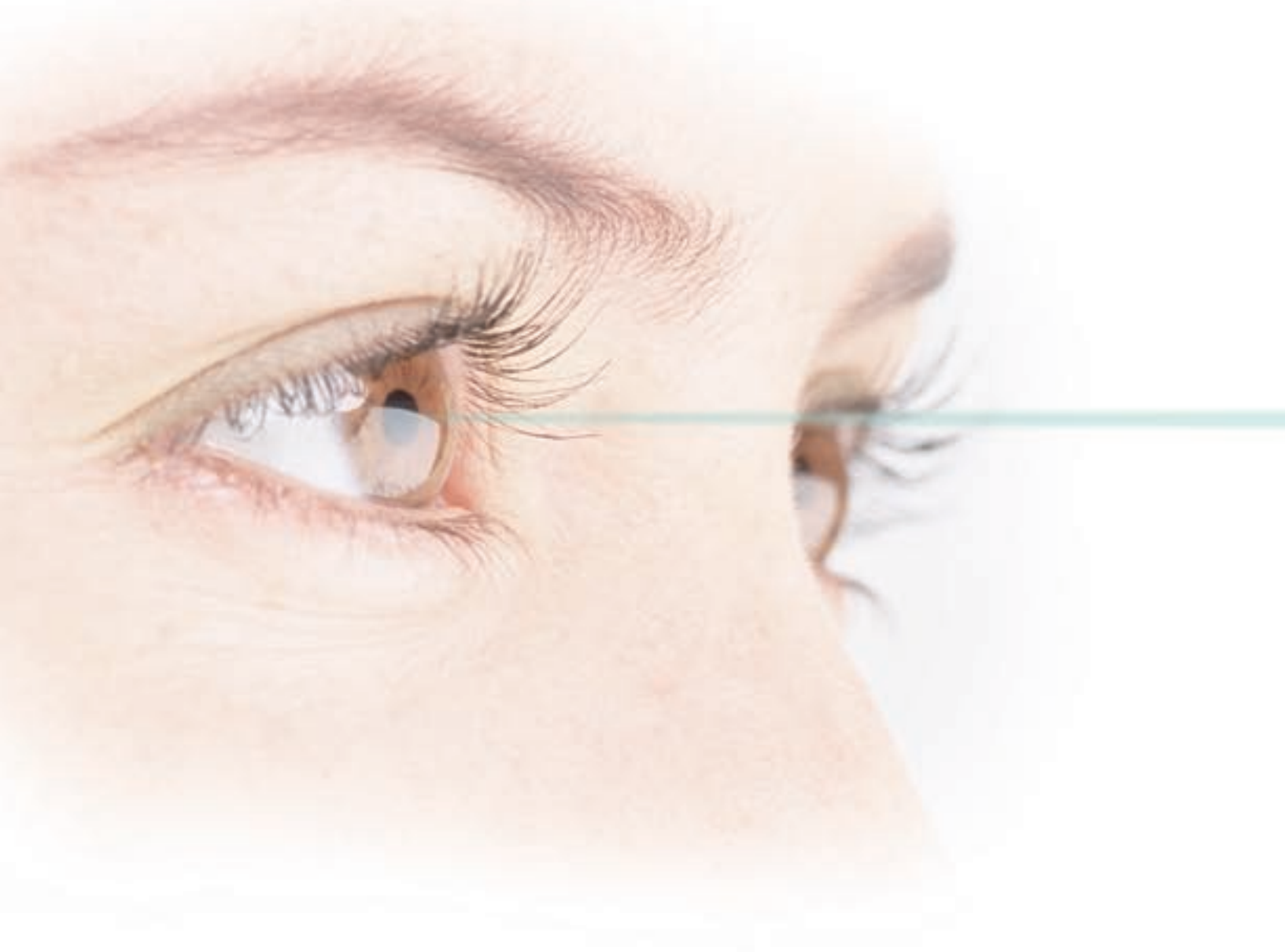


4400

ELECTRONIC VIDEO ENDOSCOPY SYSTEM

FUJINON
FUJIFILM

At Fujinon we are committed to delivering innovative endoscopic solutions exactly as envisioned by our customers. Our latest achievement, the Fujinon 4400, is a crowning example of the most advanced optical technologies and the latest in digital image processing. This state-of-the-art video endoscopy system has been designed to allow for more accurate clinical outcomes that dramatically impact patient care.



4400

ELECTRONIC VIDEO ENDOSCOPY SYSTEM

Realize the power of fully digital technology



From analog to digital — state-of-the-art FUJINON technology begins a new endoscopic imaging revolution.

The Fujinon 4400 is a fully digital electronic endoscope system capable of vividly depicting the future of endoscopic diagnosis. Advanced processing technology allows the 4400 to retain image fineness and precision picture quality when viewing the most obscure changes in living tissue, or very subtle changes in mucosal detail. The result is a dramatic improvement in quality diagnosis that can be documented and digitally stored on a network, or on a Compact Flash media card inserted into the processor unit.

The New EPX-4400 – Fully Digital

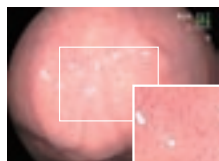


Further enhancing diagnostic accuracy ...

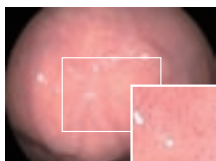
*Consistently reproducing microvessels
and mucosal membrane surface layer structures*

Digital LCD Output

Advanced endoscopic treatments require high quality images so that even the most microscopic lesions are not overlooked. With the Fujinon 4400 a high-resolution LCD monitor can be integrated to ensure that the image produced is the image viewed.



CRT monitor

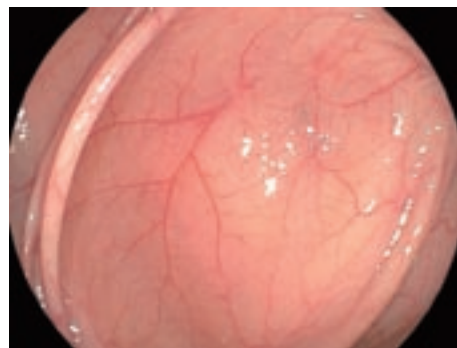


LCD monitor

The combination of the Fujinon 4400 and the high-resolution LCD monitor will consistently produce the most detailed images of microvessels and mucosal membrane surface layer structures.

Blood Vessel Enhancement (BLV) Function

Detailed images of vein patterns are useful for advanced diagnosis of alimentary canals. The Blood Vessel Enhancement Function improves the projection and clarity of vein patterns.



BLV OFF



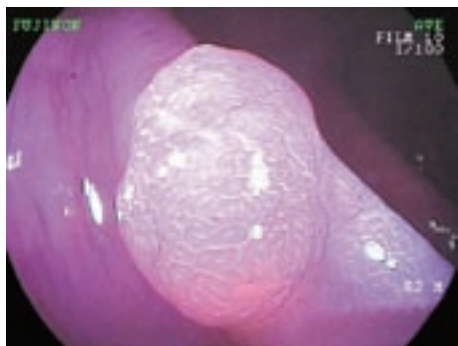
BLV ON



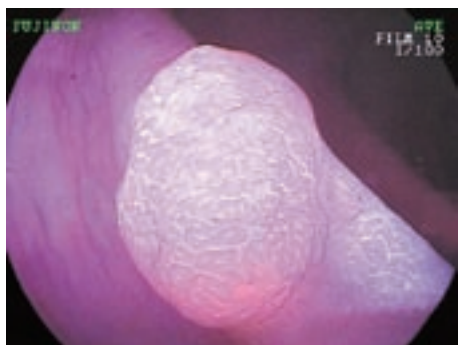
**Fully Digital Processor &
300 Watt Xenon Light Source Unit**

Automatic Light Control (ALC) Illumination Adjustment Function

The 4400 employs Fujinon's unique new form of automatic light control. This new advanced system reduces light halation and provides images that are easier on the physician's eyes.



ALC OFF



ALC ON



Achieving effective examinations ...

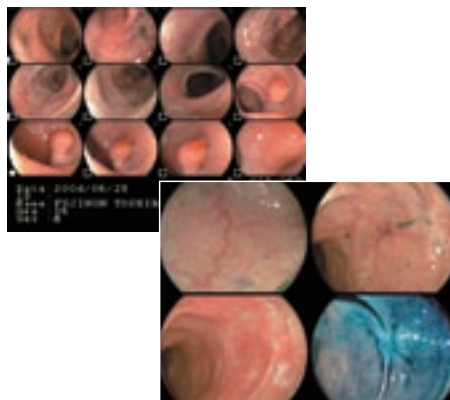
Integrated Compact Flash Media Card Slot

The world's first integrated Compact Flash media card slot has been incorporated into the 4400. The CF card allows direct recording and digital reproduction of images during examination. Post-exam transfer of the images to a PC is easily accomplished without image deterioration.



Internal Image Storage Capacity

A new internal, large-capacity image storage memory can be used to store images for one examination. It is convenient for quickly reproducing captured images immediately after the examination. Physicians can also add comments on the images before printing and then select only the images required.



Examination Switch

This newly incorporated switch allows for attachment and removal of the endoscope without turning off the power to the processor unit. After finishing an examination a simple press of the button allows the removal and cleaning of the endoscope while the processor continues to communicate imaging data to the network or Compact Flash card.



Switch ON



Switch OFF

FUJINON G-5™ VIDEO ENDOSCOPES



LESS WEIGHT, LESS TORQUE, LESS FATIGUE
..... MORE PRODUCTIVITY!

The newly developed light-weight and compact grip fits into your hand and enhances scope maneuverability with redesigned easy-to-reach control wheels. Made of a new lightweight material that allows for gentle convex curves, the new grip meets every physician requirement and addresses the critical concerns for cleaning and disinfection.

The new G-5 control body—designed to reduce overall hand and forearm stress.

Improved Operability

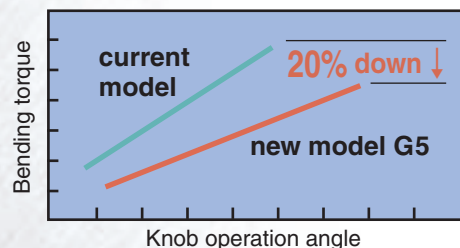
New positioning of all functional switches and Air/Water/Suction buttons minimizes finger travel and improves efficiency (based on analysis of operating frequency of every switch and button).



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.



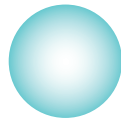
Water Jet Function

A water jet function is incorporated into selected endoscopes/colonoscopes for medical treatment. This function works effectively to wash off applied pigments and examination residuals while using operative instruments. In addition, the water jet channel is brushable for improved cleaning and disinfection.



Improved Cleaning and Disinfection

Air/Water and suction buttons are autoclavable. 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.



Achieving more comfortable examinations ...

High-Resolution Images from an Ultra-Slim Endoscope

What is the best endoscope for both patients and doctors? The FUJINON EG-470N5, of course. The N5 satisfies two critical requirements by being ultra slim in diameter, yet still is capable of producing ultra-high image quality.

Improved Patient Comfort

Fujinon's 4400 allows for the incorporation of new CCD's that have slimmer internal profiles. The reduction in internal space requirements allow Fujinon's engineers to make a corresponding reduction in product size. The EG-470N5 is extremely slim at merely 5.9mm in outside diameter, thus providing for greater patient comfort.

Advanced ERCP Design

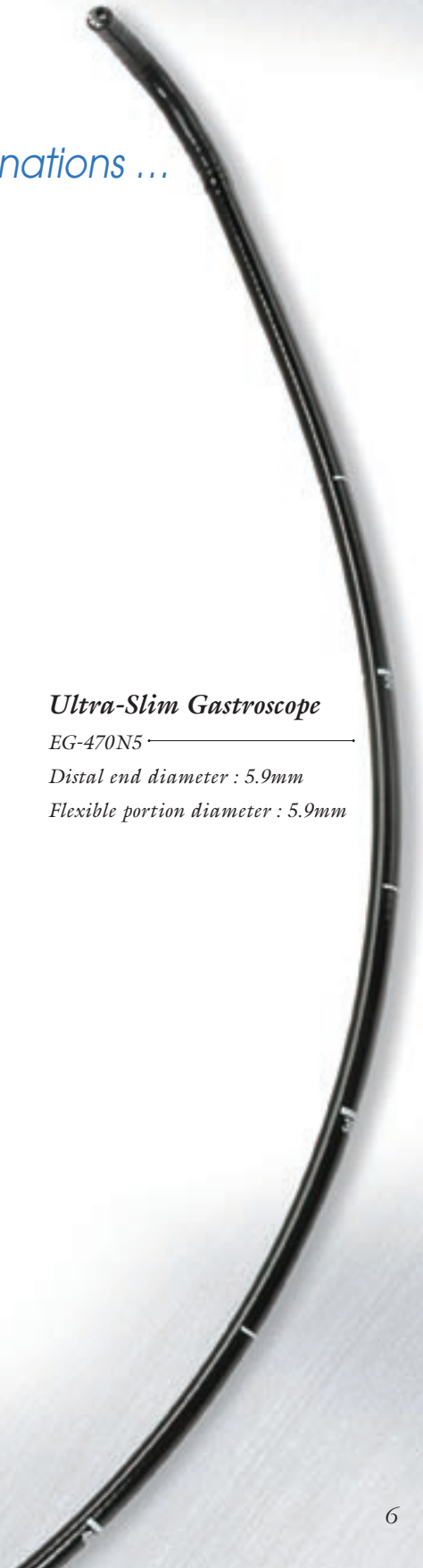
Fujinon's engineers extensively evaluated the most effective application of ERCP endoscopes. The results are two newly designed ERCP endoscopes, the XL5 and the XT5. Both endoscopes incorporate newly shaped distal end portions, firmer insertion sections and other operator-friendly features designed to improve examination efficiency and effectiveness.

Ultra-Slim Gastroscope

EG-470N5

Distal end diameter : 5.9mm

Flexible portion diameter : 5.9mm



FICE™ (Fuji Intelligent Color Enhancement) in EPX-4400



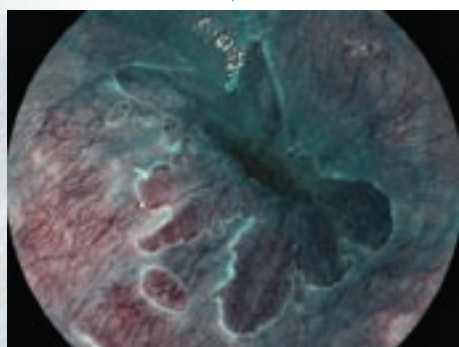
The next generation of endoscopic imaging, FICE, has arrived with Fujinon's new EPX-4400 video processor and light source system. FICE dramatically enhances the appearance of mucosal tissue structures.

An example of EPX-4400 with FICE™

In this example, it became easier to observe characteristics of the mucosal tissue and capillary orientations became clearer in the cardiac portion of the esophagus.



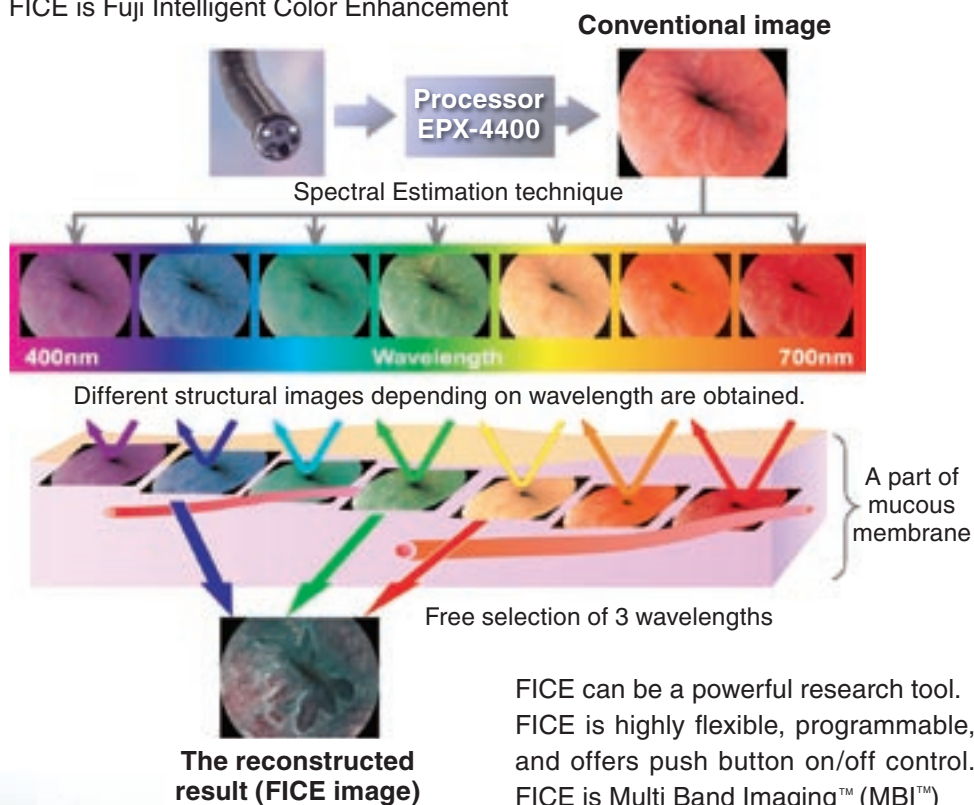
FICE OFF



FICE ON

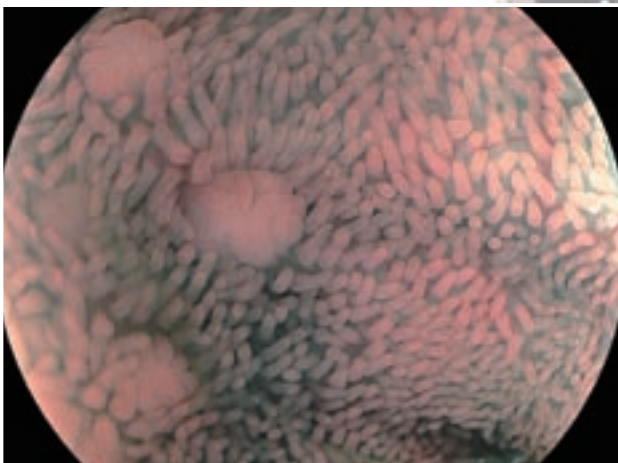
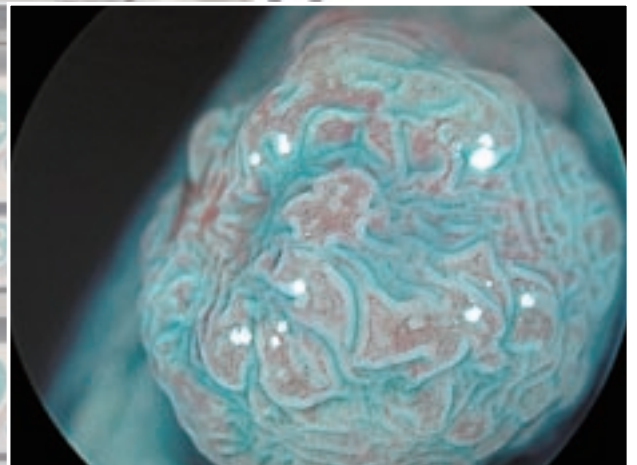
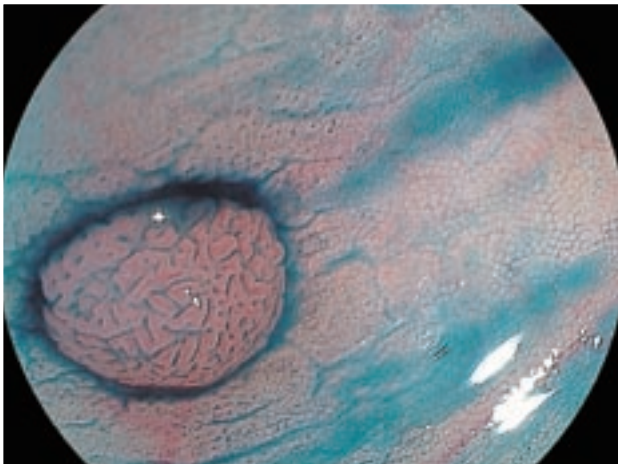
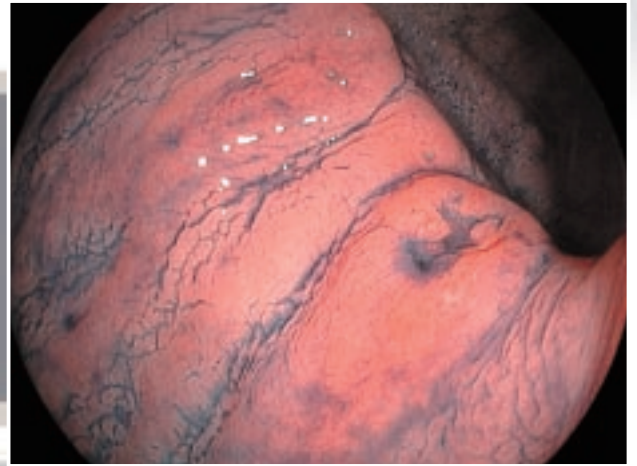
What is FICE™ ?

FICE is Fuji Intelligent Color Enhancement



4400

ELECTRONIC VIDEO ENDOSCOPY SYSTEM



SUPER CCD 490 Series Endoscopes



The FUJINON 4400 video endoscopy system has been designed to meet the endoscopic requirements of any facility, from large regional medical facilities to outpatient centers. Incorporation of Super CCD chip technology enables this advanced system to provide state of the art therapeutic and endoscopic research applications where image clarity, magnification, and ease of physician use are critical.

Super CCD 490 series endoscopes offer the latest in digital imaging and advanced operational functions that deliver the most precise procedural outcomes on the market. This completely digital endoscopic platform sets a new industry standard in high resolution and magnified imaging, in amazingly small diameters. All endoscopes are ergonomically designed to reduce physician stress and functionally enhanced to increase procedure productivity. This unique endoscope system creates entirely new opportunities in patient diagnosis and therapy.

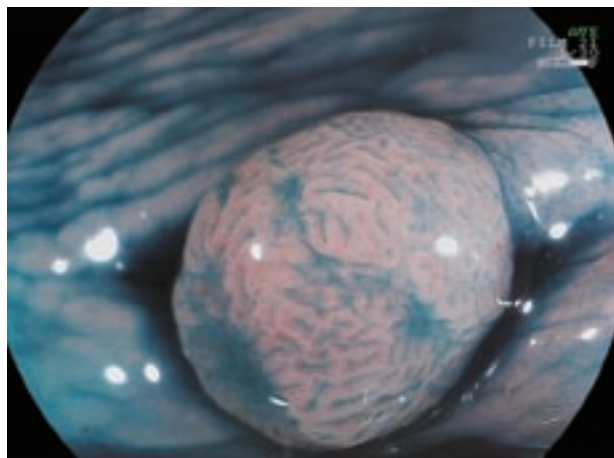
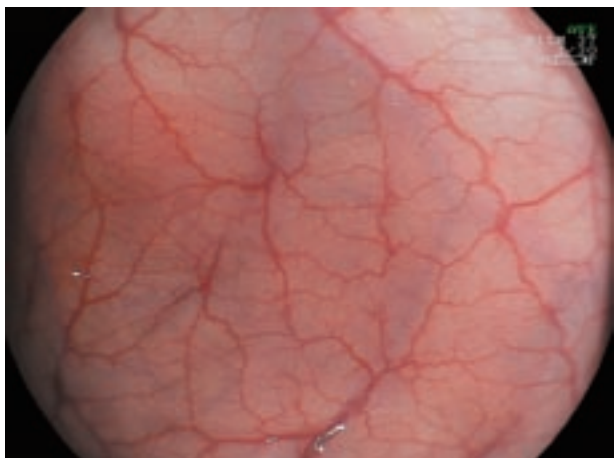
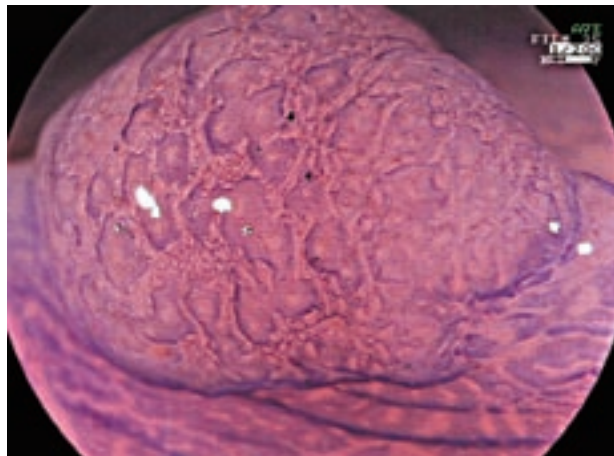
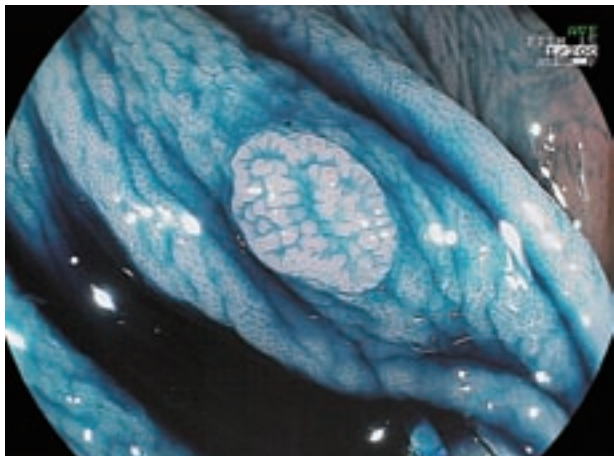


Benefits of Super CCD Technology

Improved Patient Observation

Optical magnification of 100 times can be achieved on a 14" monitor when using Super CCD technology. Ultra high-resolution at full magnification, which far exceeds conventional endoscopes, shows its true capabilities when examining the minute structure of lesions as seen below.

- Intrapapillary capillary loops (IPCL) for diagnosis of early stage esophageal cancer
- Pit patterns for diagnosis of colon carcinoma
- Objects of red blood cell level



Super CCD Chip

RGB filter for superior color reproducibility.

The unique pixel layout of the Super CCD.

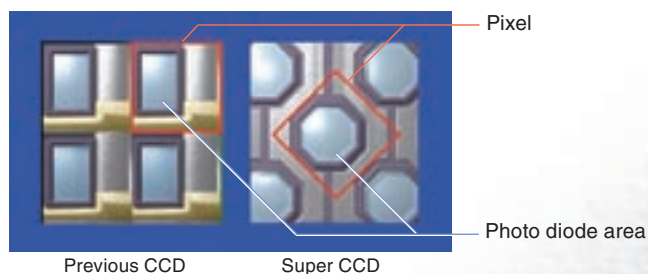
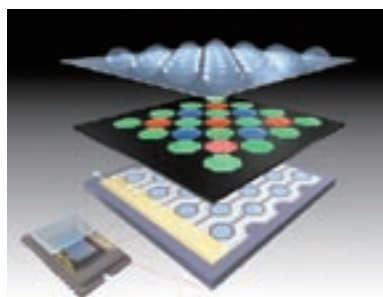


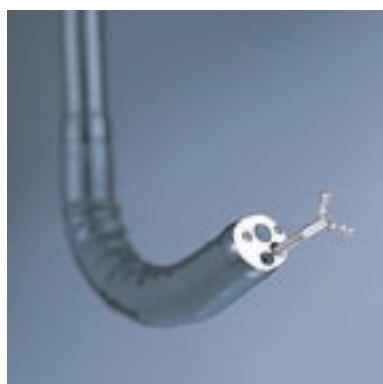
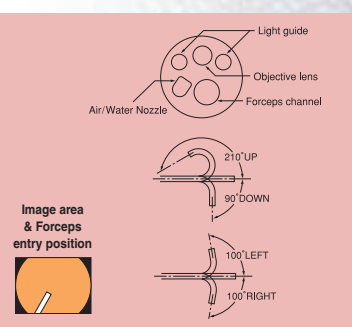
Photo diode area
Previous CCD : Super CCD = 1 : 1.7

Super CCD 490 series Endoscope Specifications



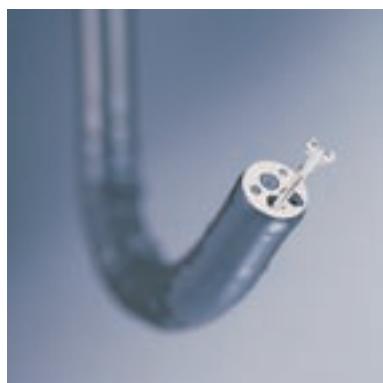
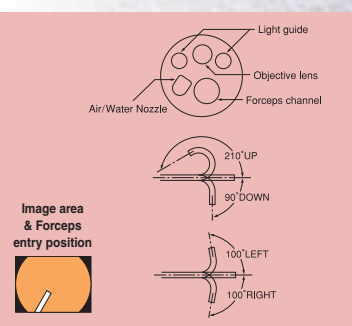
EG-490WR5 For the Upper G.I. Tract - Standard Type

Viewing direction	Forward
Observation range	6 ~ 100mm
Field of view	140 °
Distal end diameter	9.8mm
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



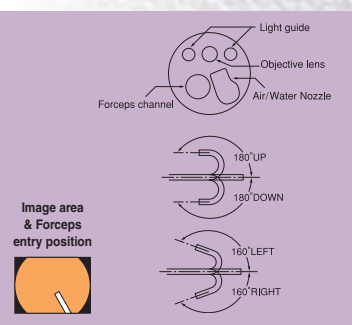
EG-490ZW5 For the Upper G.I. Tract - Optical Magnifying

Viewing direction	Forward
Observation range: TL	2.0 ~ 3.0mm
WD	6 ~ 100mm
Field of view: TL	55 °
WD	140 °
Distal end diameter	10.8mm
Flexible portion diameter	9.8mm
Bending capability : UP/DOWN	210 ° / 90 °
LEFT/RIGHT	100 °
Forceps channel diameter	2.8mm
Working length	1,100mm
Total length	1,400mm



EC-490ZW5-M/L For the Lower G.I. Tract - Optical Magnifying

Viewing direction	Forward
Observation range: TL	2.0 ~ 3.0mm
WD	6 ~ 100mm
Field of view: TL	55 °
WD	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	1,330/1,690mm
Total length	1,630/1,990mm



Double Balloon Endoscopy



An innovative endoscopic approach that redefines Small Bowel intervention.

The small intestine has long been the most difficult organ to access in gastrointestinal endoscopy, therefore it has been known as “The Dark Continent.” Now, with the introduction of Fujinon’s new Double Balloon Endoscopy System, endoscopists are able to shed light on this uncharted territory while providing much needed therapeutic treatment.

Driven from new engineering innovations in flexible endoscopy, Fujinon makes total therapeutic enteroscopy a reality.

Anterograde route



Retrograde route



Clinical pictures in small intestine



Ileal adenoma



Ileal vascular ectasia

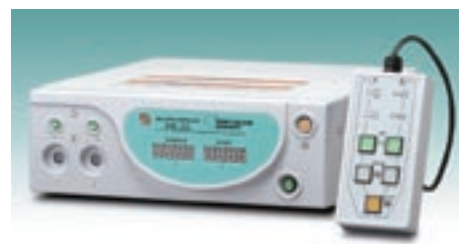
Newly Developed Overtubes and Balloons

The new, exclusively developed specialized balloons and overtubes ensure complete positioning of the endoscope in the small intestine. In addition, the tip of the scope can be smoothly inserted to reach the area of diagnosis.



Newly Developed Balloon-Pump Controller (PB-20)

The all new PB-20 Balloon Pump Controller has been totally redesigned to simplify operation. Now, balloons can be easily controlled via a hand remote control or foot switch - whichever is more convenient for the physician. In addition, the PB-20 allows the status of each balloon to be displayed directly on the hand remote control. This enhancement ensures much smoother endoscopic examination and improves overall procedure efficiency.





EN-450P5 (Enteroscope Standard Type)

The innovative EN-450P5 is the world's first video enteroscope that allows the observation of the entire small intestine with two balloons fitted onto the tips of the scope and overtube. The EN-450P5 has a 2.2mm forceps channel that enables routine biopsy as well as other common therapeutic interventions. Furthermore, the unique Double Balloon method allows for visualization of any region of the small intestine. The slim 8.5mm outer diameter of the P5 allows for especially smooth insertion via the antegrade route.




EN-450T5 (Enteroscope Treatment Type)

Treatment capacity has been greatly expanded with the EN-450T5, which is equipped with a 2.8 mm forceps channel that allows the use of almost all general therapeutic accessories and a variety of accessories such as APC Probe, Clip, Diathermic Coagulator, and other therapeutic interventions.

EC-450BI5 (Double Balloon Colonoscope)

Through the use of the unique Double Balloon method this new colonoscope facilitates easier access in cases of difficult colonoscopies. Utilizing a small diameter and reduced bending radius, the new Double Balloon Colonoscope also allows for a flexible approach to lesions requiring EMR.

	EN-450P5	EN-450T5	EN-450T5W	EC-450BI5
Viewing direction	Forward	Forward	Forward	Forward
Observation range	5～100mm	4～100mm	3～100mm	3～100mm
Field of view	120 °	140 °		
Distal end diameter	8.5mm	9.4mm		
Flexible portion diameter	8.5mm	9.3mm		
Bending capability : UP / DOWN	180 °			
LEFT/RIGHT	160 °			
Forceps channel diameter	2.2mm	2.8mm		
Working length	2,000mm			1,520mm
Total length	2,300mm			1,820mm
Image area & Forceps entry position				



Light guide

Objective lens

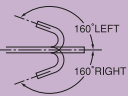
Forceps channel

Air/Water Nozzle



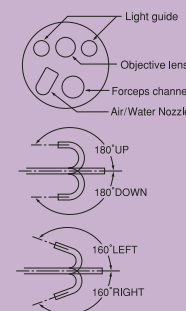
180°UP

180°DOWN



160°LEFT

160°RIGHT



■ TS-12140 / TS-13140 / TS-13101 Overtube Specifications



Overtube Model	TS-12140	TS-13140	TS-13101
Outer diameter	12.2mm	13.2mm	13.2mm
Inner diameter	10mm	10.8mm	10.8mm
Distal end diameter	8.7mm	9.8mm	9.5mm
Outer diameter(Balloon)	40mm	40mm	40mm
Working length	1,350mm	1,350mm	950mm
Total length	1,450mm	1,450mm	1,050mm
Applicable Endoscope	EN-450P5	EN-450T5, T5/W	EC-450BI5

■ BS-2 Balloon



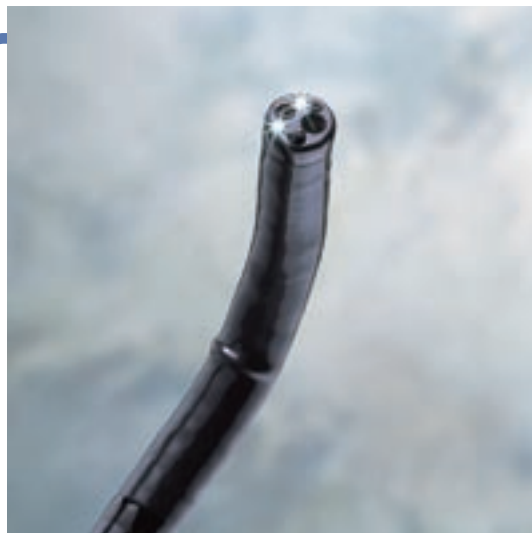
At left: BS-2 Balloon
At right: overtube balloon

■ PB-20 Balloon Pump Controller / Remote Control Specifications

Power supply	120V/60Hz/0.8A	230V/50Hz/0.5A
Power consumption(rated)	0.58A	0.37A
Set pressure accuracy	±2kpa	
Set pressure of balloon	5.6kpa	
Maximum flow rate of pump	170ml±50ml/10sec.	
Dimensions	350(W) X 130(H) X 420(D)mm	
Weight	10kg(Main unit), 0.4kg(Remote switch)	

*This product was manufactured by FUJINON under the guidance of Dr.H.Yamamoto, the Department of Gastroenterology, Jichi Medical School, Japan.

G-5™ Endoscopes for the Upper G.I. Tract



For the Upper G.I. Tract - Standard Type

EG-450WR5

Setting the standard in high resolution video endoscopy is Fujinon's EG-450WR5. The WR5 uses an ultra-wide 140° field of view and Fujinon's traditional 410,000 pixel CCD chip to provide incredible visualization and dramatic color replication. A slim 9.4mm outer diameter and a 2.8mm working channel allow for easy insertion and standard accessory passage.

G5™ ENDOSCOPY

**SUPER
IMAGE**

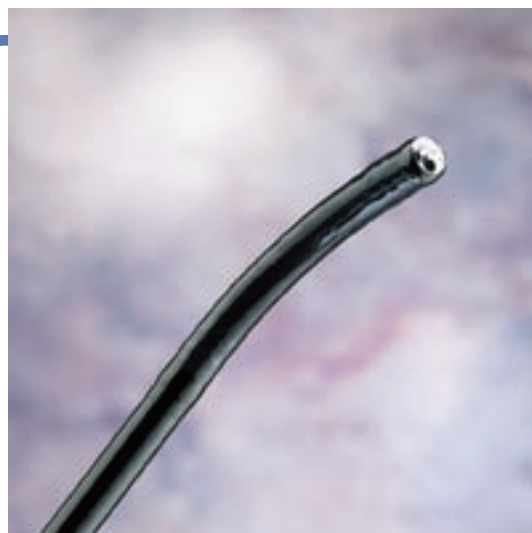
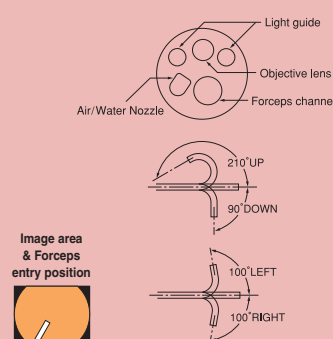
WIDE VIEW

410K CCD

**Contrast-
enhancing filter**

NEW OPTICS

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



For the Upper G.I. Tract -Slim Type

EG-450PE5

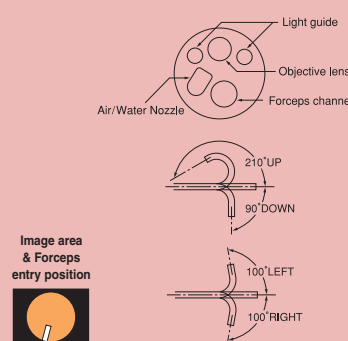
Designed for pediatric patients and those patients with stenosed anatomy, the EG-450PE5 offers a slim 8.1mm outside diameter and a 2.2mm working channel. The PE5 also incorporates the impressive imaging and visualization capabilities of all of Fujinon's endoscopes.

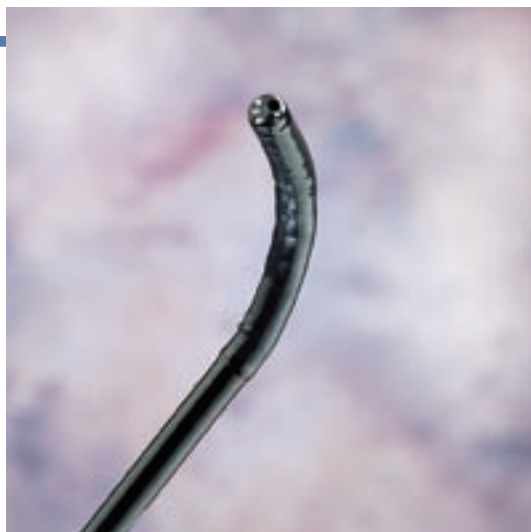
G5™ ENDOSCOPY

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	100 °
Forceps channel diameter	2.2mm
Working length	1,100mm
Total length	1,400mm





For the Upper G.I. Tract -Ultra Slim Type

EG-470N5/NH5*

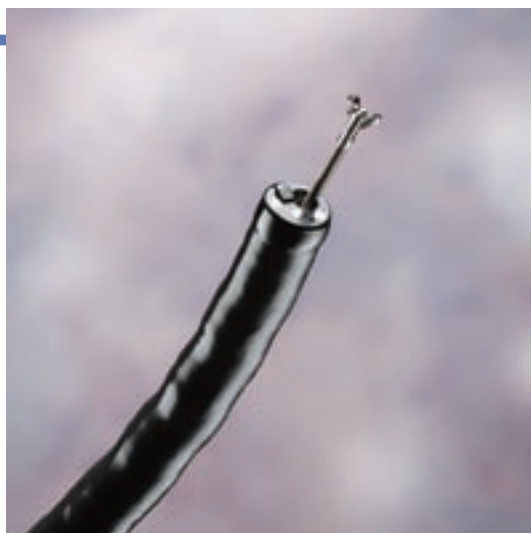
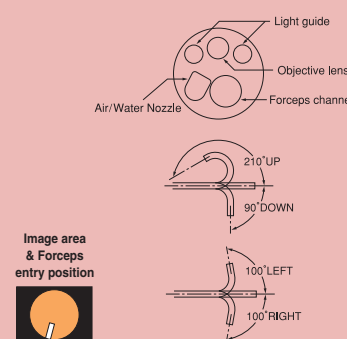
In response to market demands for smaller, more comfortable gastroscopes Fujinon designed the EG-470N5. Ultra-slim and impressively agile, the 470N5 combines spectacular imaging capability with superb handling characteristics to ensure proper patient care. All of this within a newly designed 5.9mm insertion tube that houses a 2.0mm working channel for suction and therapeutic intervention.

G-5^{ENDOSCOPY}

ULTRA SLIM

*EG-470NH5=Hard Type FSA for insertion through the mouth

Viewing direction	Forward
Observation range	2 ~ 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



For the Upper G.I. Tract -Treatment Type

EG-450CT5

A treatment scope designed for the most difficult of procedures, Fujinon's new EG-450CT5 boasts a slim 10.8mm diameter and a generous 3.8mm working channel capable of providing superior therapeutic accessibility and suction flow when critically necessary. In addition, an integrated forward water jet is available for those instances when critical accessories such as heater probes or ultrasound miniprobe are utilizing the working channel.

G-5^{ENDOSCOPY}

SUPER IMAGE

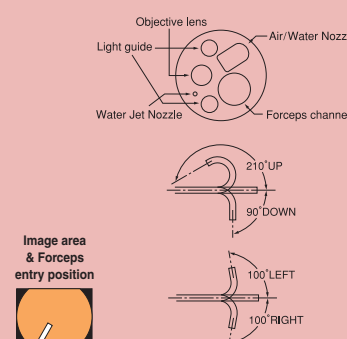
WIDE VIEW

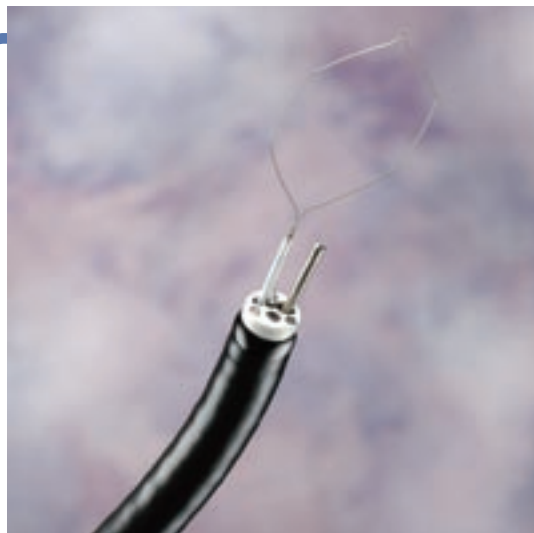
410K CCD

BIG CHANNEL

WATER JET

Viewing direction	Forward
Observation range	4 ~ 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





For the Upper G.I. Tract -Dual Channel Type

EG-450D5

Newly developed to benefit from Fujinon's advances in lightweight construction and reduced torque control engineering, the EG-450D5 revitalizes the potential for dual channel gastroscopes. Advanced therapeutics are more easily performed with the generous 3.8mm and 2.8mm working channels. In addition, an integrated forward water jet allows for lavage in critical situations.

G5™ ENDOSCOPY

SUPER IMAGE

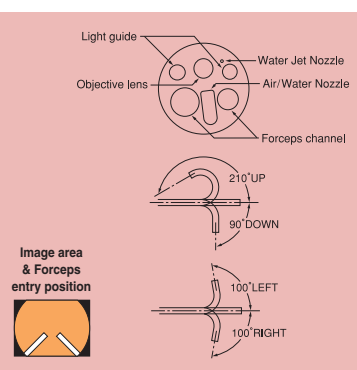
410K CCD

WIDE VIEW

DUAL CHANNEL

WATER JET

Viewing direction	Forward
Observation range	3 ~ 100mm
Field of view	140 °
Distal end diameter	11.5mm
Flexible portion diameter	11.5mm
Bending capability : UP	210 °
DOWN	90 °
LEFT	100 °
RIGHT	100 °
Forceps channel diameter	3.8 / 2.8mm
Working length	1,090mm
Total length	1,390mm



For the Upper G.I. Tract -Optical Magnification

EG-450ZW5

The ZW5 video gastroscope combines the most impressive of Fujinon's technologies. An ultra-wide 140° field of view and the traditional 410,000 pixel CCD chip provide sharp, clear images. To provide further visual detail, the ZW5 offers a state-of-the-art 100x optical magnification that can be easily operated from the control head of the endoscope. Enhanced image stability at maximum magnification is achieved through the use of a disposable distal end attachment that fixes the observation range at optimal levels.

G5™ ENDOSCOPY

100X

OPTICAL MAGNIFYING

SUPER IMAGE

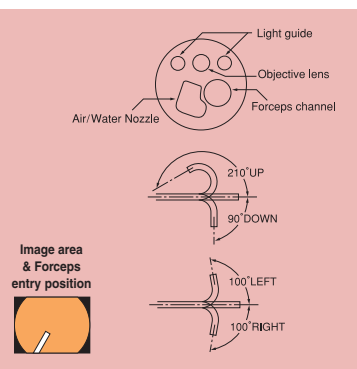
WIDE VIEW

410K CCD

Contrast-enhancing filter

NEW OPTICS

Viewing direction	Forward
Observation range: TL	1.5 ~ 3.0mm
WD	6 ~ 100mm
Field of view: TL	65 °
WD	140 °
Distal end diameter	9.8mm
Flexible portion diameter	9.8mm
Bending capability : UP/DOWN	210 ° / 90 °
LEFT/RIGHT	100 °
Forceps channel diameter	2.8mm
Working length	1,100mm
Total length	1,400mm





For the Duodenum - Standard Type

ED-450XL5

In the event that a smaller caliber duodenoscope is required, Fujinon delivers with the ED-450XL5. Traditional imaging characteristics have been combined with the smooth feel and reliability of a new sealed elevator channel to bring both form and function to every procedure. The XL5 has a slim 10.8mm insertion tube diameter and a 3.2mm working channel. The distal end houses an improved elevator mechanism and a 15° retrograde lens, all within an impressive 12.5mm diameter.

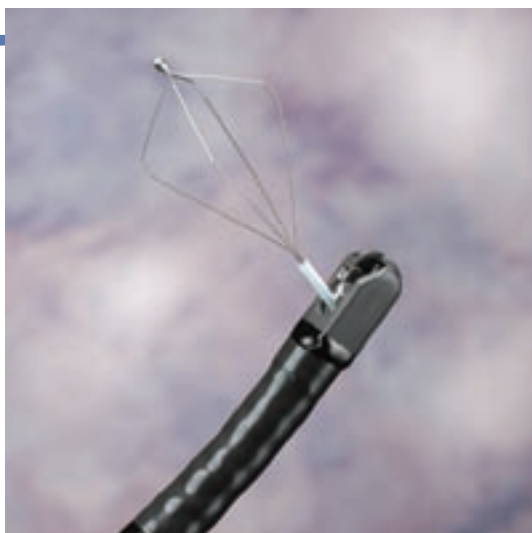
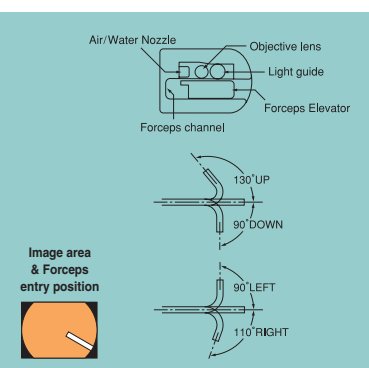
G-5™ ENDOSCOPY

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	110°
Forceps channel diameter	3.2mm
Working length	1,250mm
Total length	1,550mm



For the Duodenum - Treatment Type

ED-450XT5

Fujinon's new ED-450XT5 brings lightweight design and reduced torque controls to the most difficult of procedures. The XT5 has been designed to provide greater patient comfort with its super slim 11.8mm outer diameter, without sacrificing the therapeutic capabilities of an impressive 4.2mm working channel. Additionally, the XT5 has an enclosed elevator channel that eliminates disinfection concerns and allows for much smoother elevator deflection.

G-5™ ENDOSCOPY

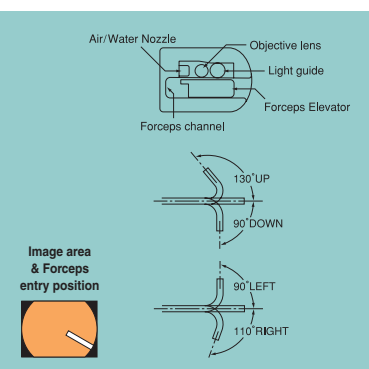
SUPER
IMAGE

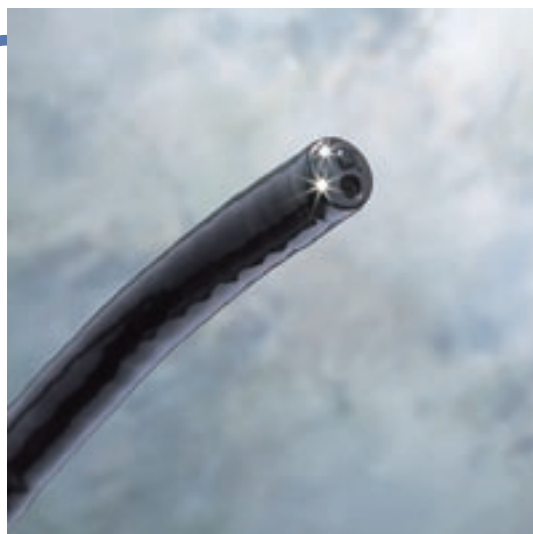
410K CCD

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	90°
LEFT	110°
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-450WM5/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.



WIDE VIEW

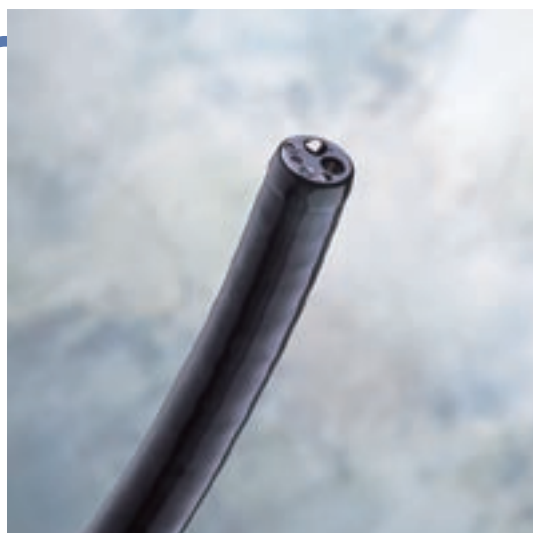
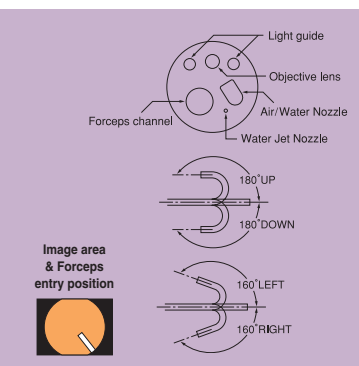
410K CCD

WATER JET

Contrast-enhancing filter

NEW OPTICS

Viewing direction	Forward
Observation range	3 ~ 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	1,330/1,520/1,690mm
Total length	1,630/1,820/1,990mm



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

EC-450HL5

A super-image colonoscope, the EC-450HL5 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.



SUPER IMAGE

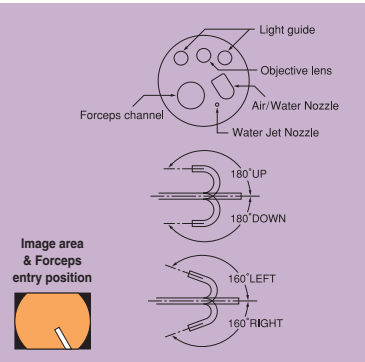
WIDE VIEW

410K CCD

WATER JET

Contrast-enhancing filter

Viewing direction	Forward
Observation range	3 ~ 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-450LS5

Fujinon brings advancements in insertion tube design to its new super slim colonoscope, the EC-450LS5. The LS5 offers the insertion characteristics of an adult colonoscope, but has a slim 11.5mm outside diameter and a large 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.

G-5^{ENDOSCOPY}

SLIM

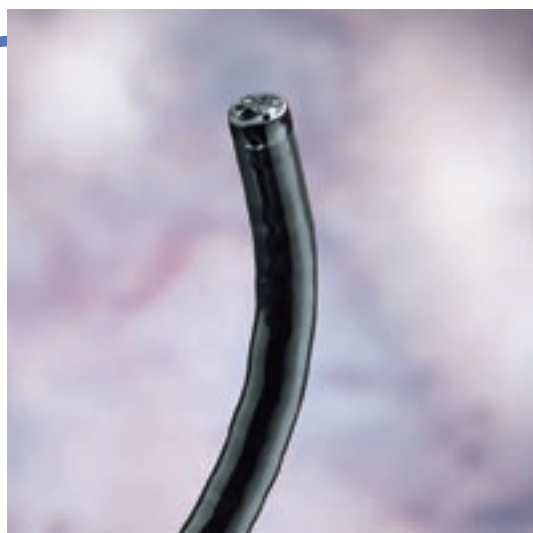
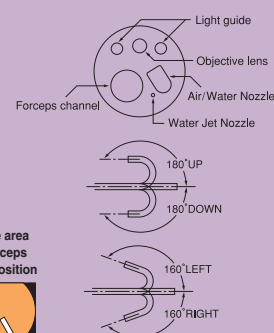
SUPER
IMAGE

WIDE VIEW

410K CCD

WATER JET

Viewing direction	Forward
Observation range	3 ~ 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-450MP5

EC-450MP5 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 comprehensive examination of the colon.

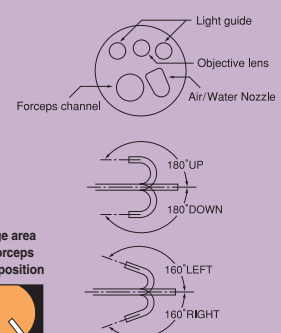
G-5^{ENDOSCOPY}

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	160 °
Forceps channel diameter	3.2mm
Working length	1,330mm
Total length	1,630mm





For the Lower G.I. Tract - Slim Type

EC-450LP5

Fujinon brings advancements in insertion tube design to its new super slim colonoscope, the EC-450LP5. 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.

G5™ ENDOSCOPY

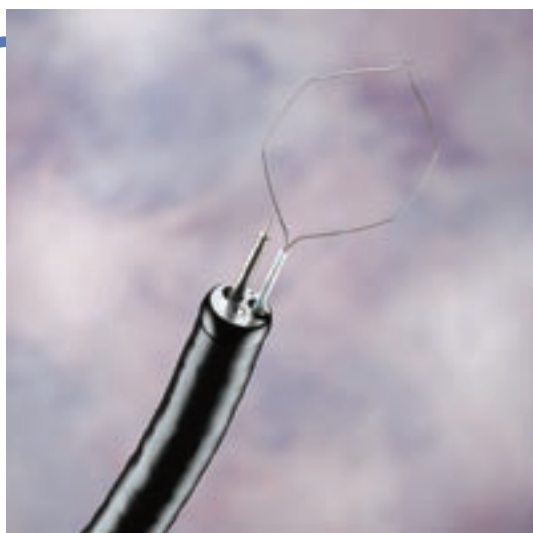
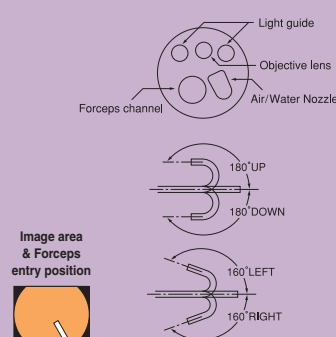
SLIM

SUPER IMAGE

WIDE VIEW

410K CCD

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	160 °
Forceps channel diameter	3.2mm
Working length	1,690mm
Total length	1,990mm



For the Lower G.I. Tract - Dual Channel Type

EC-450DM5/DL5

The DM5/DL5 is the new standard in therapeutic colonoscopy. Offering an impressively slim 12.8mm diameter on the entire insertion section, the DM5/DL5 improves patient comfort in the most difficult procedures. Generous working channels of 3.8mm and 2.8mm, and an integrated forward water jet function, allow simultaneous lavage, accessory access, and suction.

G5™ ENDOSCOPY

SUPER IMAGE

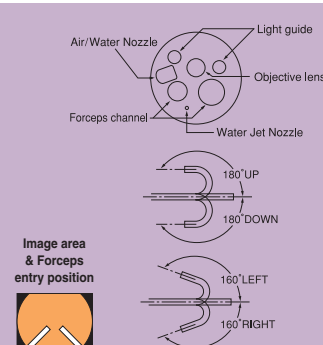
410K CCD

WIDE VIEW

DUAL CHANNEL

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	180 °
DOWN	
LEFT	
RIGHT	160 °
Forceps channel diameter	3.8/2.8mm
Working length	1,330/1,690mm
Total length	1,630/1,990mm

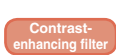




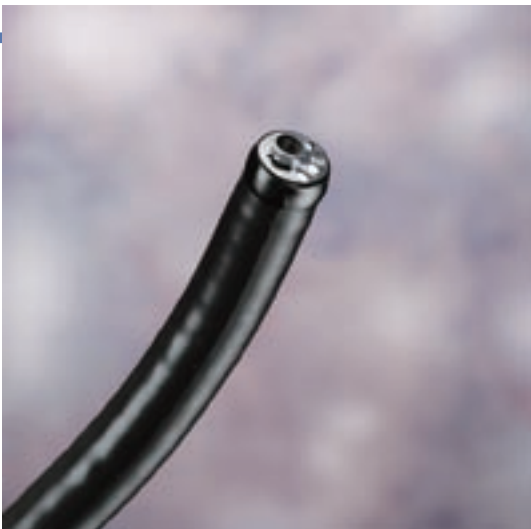
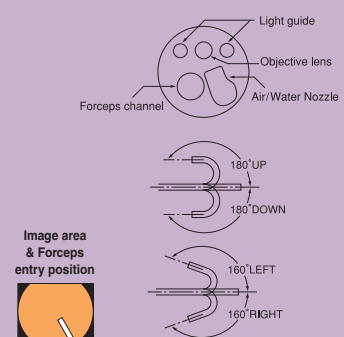
For the Lower G.I. Tract -Optical Magnifying

EC-450ZW5-M/L

State-of-the-art magnification capability highlights Fujinon's EC-450ZW5 colonoscope. Images are brought to life with a unique 100x optical magnification feature easily operated from the control head of the endoscope. Fujinon's traditional 410,000 pixel CCD and amazing color replication make the ZW5 perfect for high-resolution, high-magnification research. This impressive new design also allows the ZW5 to be a slim 12.8mm in diameter with a 3.8mm working channel for any therapeutic accessories.



Viewing direction	Forward
Observation range: TL	1.5 ~ 3.0mm
WD	6 ~ 100mm
Field of view: TL	65 °
WD	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	1,330/1,690mm
Total length	1,630/1,990mm



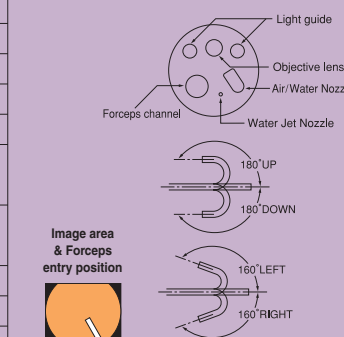
For the Lower G.I. Tract -Super Wide Angle Sigmoidoscope

ES-450WE5

Our standard sigmoidoscope, the new ES-450WE5, brings a reduced diameter (12.8mm) and larger working channel (3.8mm) to screening applications. Observation capability has been increased with a wide 140° field of view and Fujinon's Super Image technology. In addition, an integrated forward water jet allows for lavage in critical situations.



Viewing direction	Forward
Observation range	4 ~ 100mm
Field of view	140 °
Distal end diameter	12.8mm
Flexible portion diameter	12.8mm
Bending capability : UP	180 °
DOWN	
LEFT	160 °
RIGHT	
Forceps channel diameter	3.8mm
Working length	790mm
Total length	1,090mm



DIGITAL NETWORK OUTLINE

G-5TM ENDOSCOPY



490 Series Endoscopes



Double Balloon Endoscopes



400 Series Endoscopes



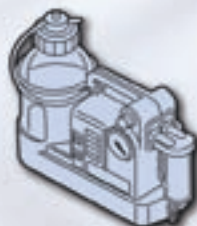
Surgical Units



Airtightness Tester



Water-Tank



Suction Pump



Adapter for Non-FUJINON
Cleaning Machines



EVE Module EM-4400



4400

ELECTRONIC VIDEO ENDOSCOPY SYSTEM

EPX-4400



Processor VP-4400

Light Source XL-4400

VP-4400 Specification

Power	120V 60Hz 0.36A / 230V 50Hz 0.2A
Current consumption (rated)	0.31A / 0.17A
Metering mode	AVE / PEAK
Gain	Normal, +2dB, +4dB, +6dB
Freeze mode	Field / Frame
Image zoom	Electronic Zoom x1 - x2 (0.05 step)
Memory	Patient data: 44 patients / Clinical procedure: 20 types Dr. Name: 20 doctors / Dr. Page: 5 patterns
Digital Outputs	DVI (Digital Visual Interface) : LCD monitor DV (Digital Video) : Digital Recorder USB (Universal Serial Bus) : Output for digital printer Ethernet : Network output for PC connection CF (Compact Flash®) : Output of still image to memory card
Analog Image Outputs	Composite, RGB, S-Video
Applicable Endoscopes	FUJINON EVE 400 series
Dimensions (W x H x D)	350 x 75 x 420mm
Weight	8.0kg

XL-4400 Specification

Power	120V 60Hz 4.1A / 230V 50Hz 2.1A
Current consumption (rated)	3.7A / 1.9A
Lamp rated value	Main lamp : 15V300W short-arc Xenon lamp Emergency lamp : 12V75W Halogen lamp (SD lamp)
Light control	Automatic light control by CCD image output on CCD (also, available for Manual Operation)
Lamp cooling method	Forced air cooling
Air supply pump	Normal / Low / OFF
Applicable Endoscopes	FUJINON EVE 400 series
Dimensions (W x H x D)	350 x 130 x 420mm
Weight	16.0kg

DVI
(Digital Visual Interface)



LCD Monitor

USB
(Universal Serial Bus)



Digital Printer

DV (Digital Video)



Digital Video Recorder

CF(Compact Flash)



Personal Computer

Ether-Net



System Cart

FUJIFILM GROUP

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