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Fujifilm Corporation was named a Thomson Reuters 2018 Top 100 Global Technology Leader, in recognition of industry’s most operationally sound and financially successful organisations.
HEALTHCARE
Fujifilm is renowned as one of the world’s largest imaging companies, pioneering high-definition diagnostic imaging and information systems for healthcare facilities and medical institutions.

Our clinically proven products and technologies are constantly being developed and refined to make the work of health professionals more effective and efficient.

At Fujifilm we are constantly innovating and creating new solutions that address the practical needs of our global customers in various business fields including healthcare, graphics systems, optical devices, recording media and photographic technologies.

Every year we invest around seven percent of our consolidated turnover in research and development including dedicated research and the nurturing of close working relationships with international specialists. This ensures that we not only meet the highest quality requirements but also contribute to the advancement of culture, science, industry and technology as well as improved health and environmental protection in society.

At Fujifilm we are continuously developing new technologies, products and services that inspire and excite people everywhere and offer the potential to expand the horizons of tomorrow’s businesses and lifestyles.

ENDOSCOPY
As one of the leading companies in the development of endoscope technology, Fujifilm is constantly elaborating new opportunities to provide top quality products, excellent services and highly customised business solutions in the world of endoscopy.

We regularly set new benchmarks in the industry, for example, with the introduction of the LED Multi Light™ technology providing the innovative observation modes LCI and BLI, with devices for double balloon endoscopy and endoscopic ultrasound systems.

The focus at Fujifilm is firmly on holistic patient care which means that our service portfolio includes expert technical assistance, a comprehensive range of hygiene products and individual consulting.

Today Fujifilm operates in around 55 group companies and branches in Europe, employing over 4,000 people engaged in R&D, manufacturing, sales, and service support.
Fujifilm’s comprehensive portfolio of advanced solutions meets a wide range of diagnostic and therapeutic endoscopic requirements and by linking state-of-the-art technologies we can provide you with some unique possibilities. One example is the combination of specialised applications, such as double balloon endoscopy and endoscopic ultrasound, in one complete system which would enable you to streamline your workflow. In addition, the continuous enhancement of imaging technologies ensures high precision and excellent quality.

Our overarching aim is to help to improve the quality of life of people worldwide through the early detection and successful treatment of disease.
SELECTION OF INNOVATIVE TECHNOLOGIES

MULTI LIGHT™ TECHNOLOGY
Optimal illumination using variable LED light intensity.

LCI TECHNOLOGY
Increased contrast in red colour leads to improved detection of lesions and accurate delineation.

BLI TECHNOLOGY
The combination of special light wavelengths results in improved and accurate contrast imaging.

CMOS TECHNOLOGY
Noiseless and brilliant image transmission thanks to a CMOS-chip positioned directly in the tip.

FICE TECHNOLOGY
FICE can enhance slight colour differences such as vascular and mucosal patterns without tissue staining. The procedure digitally selects three wavelengths of light and displays reconstructed images.

SUPER CCD TECHNOLOGY
The Super CCD and high performance optical system ensures high quality images. It provides brilliant images which can facilitate procedures for detection and treatment of lesions.

HD TECHNOLOGY
Combine equipment displaying this logo to ensure that you view HDTV images on your monitor.

COLOASSIST TECHNOLOGY
Fujifilm’s renowned ColoAssist has been optimised for the 700 series colonoscopes and now includes the Flexibility Adjuster for easier insertion in addition to Advanced Force Transmission and Adaptive Bending.

DICOM TECHNOLOGY
The goal of the DICOM Standard is to achieve compatibility and improve workflow efficiency between imaging systems and other information systems.

SMART BEND TECHNOLOGY
Smart Bend allows excellent manoeuvrability and observation through a 210° bending angle. In addition, the smart bending ability and the small bending radius make treatment of difficult-to-reach lesions easier.

MULTI ZOOM TECHNOLOGY
Easy-to-control optical magnification up to 135x in stepwise or continuous magnification modes.

LCI TECHNOLOGY
Increased contrast in red colour leads to improved detection of lesions and accurate delineation.

BLI TECHNOLOGY
The combination of special light wavelengths results in improved and accurate contrast imaging.

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HD TECHNOLOGY
Combine equipment displaying this logo to ensure that you view HDTV images on your monitor.

ANTI-BLUR FUNCTION
The clearest image among multiple images is automatically selected.

CLOSE FOCUS
Close Focus observation up to 2 mm supports more precise diagnosis.
**MULTI LIGHT TECHNOLOGY™**

*See More. Detect More.*

This high performance illumination system is the latest innovation in Fujifilm's medical device portfolio and ensures that the quality of imaging meets the highest standards in brightness and contrast providing the innovative observation modes LCI and BLI. Specifically designed for this illumination system, the ELUXEO™ 700 series of endoscopes featuring Multi Zoom and Freeze function allow for greater differentiation and provide detailed high-resolution imaging for both diagnosis and pre-therapeutic assessment.

### OPTIMAL ILLUMINATION USING VARIABLE LED LIGHT INTENSITY

- A high performance spectrum of light is generated from a powerful light source with individual LED light bulbs.
- Enhanced visualisation of haemoglobin, and thus blood vessels, is generated by the high peak intensity of short-wavelength light (blue-violet and blue).
- Specific light spectrum settings targeting the mucosal layers result in improved contrast and higher definition of imaging.

High-intensity illumination based on Multi Light™ technology creates high-quality images with White Light and the observation modes LCI (Linked Colour Imaging) and BLI (Blue Light Imaging). With the involvement of numerous clinical experts, the ideal composition of LEDs for each observation mode has been developed to achieve the optimal results in illumination. With a simple push of a button, you can easily switch between the following observation modes:

### OPTIMAL LIGHT CONFIGURATION OF LEDS

#### WHITE LIGHT IMAGING

- Blue
- Blue-Violet
- Green
- Red

#### LCI MODE

- Blue-Violet
- Blue
- Green
- Red

#### BLI MODE

- Blue-Violet
- Blue
- Green
- Red
**LCI (LINKED COLOUR IMAGING) MODE**

LCI differentiates the red colour spectrum more effectively than White Light imaging thanks to its optimal pre-process composition of light spectrum and advanced signal processing. The increased colour contrast improves detection of lesions or inflammation and results in more accurate delineation.

**BLI (BLUE LIGHT IMAGING) MODE**

High-intensity contrast imaging with BLI allows superior visualisation of superficial vascular and mucosal patterns. Focussing on the characteristics of short wavelength absorption of haemoglobin (at 410nm) combined with specific white light spectral colours results in improved and accurate contrast imaging.
YOUR ACCESS TO
SCIENTIFIC INFORMATION

www.BLI.eu

BLIPORTAL
Blue Light Imaging Studies & Information
Register now to receive the latest updates on endoscopy: www.bli.eu

Latest LCI & BLI Study Results

New BASIC Classification

Training Modules

Newsletter

Expert Insights

Clinical Images & Videos
FUJIFILM’S LEADING-EDGE CMOS TECHNOLOGY WITH MEGAPIXEL

With the unique CMOS Chip built directly into the tip of the scope, the signal is digitally transmitted through the device, thus providing outstanding high-resolution imaging. All 760 and 600 endoscopes are equipped with CMOS.

The CMOS Chip is positioned directly in the tip of the scope and transforms the analogue signal into a digital signal at the site of examination. This ensures noiseless and brilliant image transmission.

CMOS Technology supports 60 frames progressive scanning technology where complete images are processed, rather than the half-frames processed when using the interlaced scanning method. The result is outstanding high-resolution image quality and smooth moving images with dramatically reduced blurring.
Better visibility for detection and diagnosis

FICE – Flexible Spectral Imaging Colour Enhancement – can maximise colour differences such as vascular and mucosal patterns without the need for tissue staining. The procedure digitally selects three wavelengths of the light and displays the reconstructed images. The endoscope switch allows physicians to change 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**

**XENON endoscopy**

**White Light image**

Red wavelength is mostly reflected.

**FICE (Flexible Spectral Imaging Colour Enhancement)**

The contrast is enhanced and the vascular pattern is highlighted by focusing on the difference in wavelength reflection of mucosa and blood vessels.

**DUAL MODE**

Simultaneously displays a FICE image and a White Light image on the same monitor

A dual view of a FICE image and a White Light image on the same monitor allows you to collect more information for examination and diagnosis.

**FICE Stomach**
**MULTI ZOOM**

**Optical Zoom for precise focusing**

The latest Multi Zoom technology enables programming up to 3 magnification modes to realise an easy-to-control zoom endoscopy.

- **2-step Zoom**
- **3-step Zoom**
- **5-step Zoom**

The optical zoom allows a close examination of the mucosa tissue and capillary structures in combination with excellent focusing and orientation during magnification throughout the wide focal plane.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Magnification setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>2-step Zoom</td>
<td></td>
</tr>
<tr>
<td>3-step Zoom</td>
<td></td>
</tr>
<tr>
<td>5-step Zoom</td>
<td></td>
</tr>
<tr>
<td>Continuous Zoom</td>
<td></td>
</tr>
</tbody>
</table>

**E-ZOOM**

**Electronic Zoom provides better visibility**

E-Zoom images can be provided by pressing the scope button once. Normally, E-Zoom increases noise of an image. The E-Zoom function can be used with the 600 series to produce a FICE image with less noise so that it is possible to observe the detail of surface pattern as well as the vascular pattern.

*White Light Stomach*

*FICE + E-Zoom*
COLOASSIST ADJUST

ColoAssist Adjust has been specifically developed for the 760 series colonoscopes. It features the Flexibility Adjuster with different levels of stiffness as well as innovative Advanced Force Transmission and Adaptive Bending for improved manoeuvrability and more patient comfort. EC-760R, EC-760ZP and EC-760P are equipped with ColoAssist Adjust.

FLEXIBILITY ADJUSTER

The stiffness of the flexible portion of the scope can be easily adjusted according to your preference. This is helpful when inserting the scope into segments such as the sigmoid colon and the transverse colon where the endoscope can more smoothly follow the intestinal tract.

ADVANCED FORCE TRANSMISSION

The flexible portion is designed to transmit the pushing, pulling and rotating movements from the hand to the distal end of the endoscope, which provides enhanced manoeuvrability inside the digestive tract.

ADAPTIVE BENDING

The end of the bending section is soft, allowing the scope to follow the natural contours of the intestinal tract. The flexible bending section has been designed to return more easily to its straight form after passing through the tight curves of the colon.
GASTROENTEROLOGY

ELUXEO™ 700 SERIES ENDOSCOPES

G7 GRIP

ONE-STEP CONNECTOR

Design Award Winner
ELUXEO™ EC-760ZP-VM / VL

reddot design award winner 2017
The ELUXEO™ 700 series of Fujifilm scopes with One-Step Connector and easy-to-control G7 grip is designed to lead you efficiently and effectively through your examination.

**ONE-STEP CONNECTOR FOR EASY PLUG-IN**

The One-Step Connector can be plugged in easily and the 700 series endoscopes are the first to incorporate an integrated wireless power supply that provides high speed transmission of data. The new design helps to simplify the cleaning process and also reduces the potential for accidental damage.

![One-Step Connector Diagram]

**G7 GRIP FOR OPTIMUM COMFORT IN DAILY PRACTICE**

In close cooperation with leading endoscopists, Fujifilm has renewed the layout and size of the components of the control portion and repositioned the angulation knobs to increase accessibility from the grip. The G7 grip is designed to have an easy and comfortable feel that optimises performance and minimises stress during clinical procedures.

![G7 Grip Diagram]

1. Colour of G7 control portion
2. Identification colour of working channel size
3. Working channel diameter
4. Corporate brand logo
5. Model No.

Each 700 series endoscope displays the information required to choose compatible accessories, which helps to facilitate on-the-spot decision-making.
The 700 and 600 series CMOS endoscopes with a full digital processor realise advanced observation and diagnostics.

OVER MEGAPIXEL CMOS IMAGE SENSOR PRODUCING SUPER-HIGH RESOLUTION IMAGE

With over Megapixel CMOS image sensor, 760 and 600 series endoscopes produce super-high resolution images, while the leading-edge CMOS technology realises less noise and brilliant images. The CMOS image sensor can change the analogue signal to digital in the tip of the scope. During transmission, the digital signal is much less affected by noise from outside, enabling advanced observation and diagnosis.

CLOSE FOCUS ENHANCES IMAGING FOR DIAGNOSIS

The high performance optical system enhances Close Focus observation capability up to 2mm. The focus at the edges of an image has been improved, minimising distortion in observation of a lumen. The combination of the Megapixel CMOS image sensor and the high performance optical system assists various observations ranging from close-up to distant views.
ANTI-BLUR FUNCTION

This function extracts the best still image from multiple images to offer the sharpest and clearest every time.

WATER JET FUNCTION

The gastroscope and colonoscope both feature a water jet function which aids visualisation for both diagnostic and therapeutic procedures.

AUTO PHOTOMETRIC CONTROL

The automatic photometric mode optimally adjusts the lighting in accordance with the positioning of the endoscope, providing you with a well-balanced picture, whether close-up or distant focusing, so you always get optimally illuminated images.

* Available with the 700, 600 and 500 series endoscopes.
UPPER GI ENDOSCOPY

**ELUXEO™ VIDEO GASTROSCOPE EG-760R**

This routine gastroscope from the ELUXEO™ 700 series is equipped with CMOS technology and provides HD images and videos for daily practice. Close Focus allows observation from as little as 2 mm in depth.

<table>
<thead>
<tr>
<th>Field of view</th>
<th>140°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>2–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° Right 100°/Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>9.2 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>9.3 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**ELUXEO™ VIDEO GASTROSCOPE EG-760Z Optical Magnification**

This zoom gastroscope features the well-known 135x Multi Zoom which leads to clear and more detailed visualisation, allowing deeper analysis of mucosal structures. It has a small bending radius and similar functionality to the routine gastroscope including all features.

<table>
<thead>
<tr>
<th>Field of view</th>
<th>Normal 140°/Close 56°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>1.5–100 mm Normal 3–100 mm Close 1.5–2.5 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° Right 100°/Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>9.9 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>9.6 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**SMALL BENDING RADIUS**

The EG-760Z features a tight bending section radius with improved angulation. This allows the endoscope to approach the targeted observation point and lesion more easily and with less effort.
**ELUXEO™ VIDEO GASTROSCOPE EG-740N UltraSlim Type**

This ultraslim gastroscope with a distal end diameter of 5.8 mm is particularly suited to paediatric use and for cases featuring stenosis. The slim distal end also supports a soft transnasal insertion and reduces patient discomfort.

<table>
<thead>
<tr>
<th>Field of view</th>
<th>140°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° / Right 100°/Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>10.5 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>10.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.4 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**ELUXEO™ VIDEO GASTROSCOPE EG-760CT Therapeutic Type**

This gastroscope from the ELUXEO™ 700 series is equipped with a large 3.8 mm working channel that is especially suitable for therapeutic procedures compared to the standard gastroscope EG-760R with a working channel of 2.8 mm. In addition to therapeutic use, the gastroscope features LCI for improved detection and BLI for characterising lesions, making it an excellent gastroscope for observation.

<table>
<thead>
<tr>
<th>Field of view</th>
<th>140°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>2–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° / Right 100°/Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>10.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>10.5 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**ENLARGED WORKING CHANNEL FOR IMPROVED SUCTION PERFORMANCE**

The 3.8 mm working channel has a higher suction capacity compared to other gastrosopes, especially when the therapeutic accessory is inserted into the working channel.
**Field of view** 140°

**Observation range** 2–100 mm

**Bending capability** Up 210°/Down 90°
Right 100°/Left 100°

**Distal end diameter** 9.2 mm

**Flexible portion diameter** 9.3 mm

**Working channel diameter** 2.8 mm

**Working length** 1,100 mm

**Total length** 1,400 mm

---

**Objective lens**

**Working channel**

**Air/Water nozzle**

**Light guide**

**Image area & forceps entry position**
**LOWER GI ENDOSCOPY**

**ELUXEO® VIDEO COLONOSCOPE EC-760R-VM / VI / VL**

With a wide field of view of 170° as well as a large working channel diameter of 3.8 mm, this is the ultimate routine colonoscope. It features the G7 grip and the Flexibility Adjuster. In addition, it has a slim diameter of 12.0 mm and includes a water jet function and CMOS technology.

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Field of view</th>
<th>170°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observation range</td>
<td>2–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180° / Down 180° Right 160° / Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>12.0 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>12.0 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,330/1,520/1,690 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,650/1,840/2,010 mm</td>
</tr>
</tbody>
</table>

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**ELUXEO® VIDEO COLONOSCOPE EC-760ZP-VM / VL**

The slim zoom colonoscope features the brilliant and easy-to-operate Multi Zoom with 135x maximum magnification. Together with BLI, exceptional details of the mucosal and vascular patterns become visible. Like the routine scope, it features the full range of functionalities including flexible adjustment even with the slim diameter of 11.8 mm.

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Field of view</th>
<th>Normal 140° / Close 56°</th>
</tr>
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<tbody>
<tr>
<td>Observation range</td>
<td>1.5–100 mm Normal 3–100 mm Close 1.5–2.5 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180° / Down 180° Right 160° / Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>11.7 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>11.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,330/1,690 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,650/2,010 mm</td>
</tr>
</tbody>
</table>

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**WIDE 170° FIELD OF VIEW**

With video colonoscope EC-760R, a wide 170° field of view is available. Even areas that are hard to observe, such as the reverse side of folds, can be visualised more easily.
This ultraslim colonoscope from the ELUXEO™ 700 series has a distal end diameter of only 11.1 mm and is therefore especially suitable for the paediatric and therapeutic use. A wide 170° field of view enables a visualisation even in hard-to-observe areas. It features the G7 grip and the Flexibility Adjuster for easier insertion.

**ELUXEO™ VIDEO COLONOSCOPE EC-760P-VM / VL Paediatric Type**

**NEW**

**ELUXEO™ VIDEO COLONOSCOPE EC-740TM / TL Slim & Treatment Type**

This slim colonoscope is equipped with Advanced Force Transmission, 210° up-angulation and a G7 grip that supports excellent manoeuvrability. It is especially suitable for more challenging anatomies and paediatric use, where it can be applied in cases of stenosis, severe inflammation, or anatomical adhesion. With the additional observation modes – LCI for improved detection and BLI for characterising lesions – this provides an excellent colonoscope for both observation and therapeutic procedures.

**SMART BEND**

Smart Bend provides excellent manoeuvrability, observation and therapeutic treatments from 210° up angulation and a small bending radius.

Lesions which are difficult to reach can be easily treated due to the smart bending ability as well as the small bending radius.
Field of view 170°
Observation range 2–100 mm
Bending capability Up 180°/Down 180° Right 160°/Left 160°
Distal end diameter 12.8 mm
Flexible portion diameter 12.8 mm
Working channel diameter 3.8 mm
Working length 1,330/1,520/1,690 mm
Total length 1,630/1,820/1,990 mm
600 SERIES ENDOSCOPES

600 series endoscopes feature leading-edge optical technologies to provide a clear and bright endoscopic image for easy and accurate diagnostics.
VIDEO GASTROSCOPE \textbf{EG-600WR}\hspace{1cm}

\begin{center}
\begin{tabular}{|l|l|}
\hline
Field of view & 140° \\
Observation range & 2 – 100 mm \\
Bending capability & Up 210° / Down 90° \\
& Right 100° / Left 100° \\
Distal end diameter & 9.2 mm \\
Flexible portion diameter & 9.3 mm \\
Working channel diameter & 2.8 mm \\
Working length & 1,100 mm \\
Total length & 1,400 mm \\
\hline
\end{tabular}
\end{center}

\[\begin{tikzpicture}[scale=0.5]
\draw[thick,->] (0,0) -- (10,0) node[anchor=west] {210° Up};
\draw[thick,->] (0,0) -- (0,10) node[anchor=south] {90° Down};
\draw[thick,->] (0,0) -- (-10,0) node[anchor=west] {180° Down};
\draw[thick,->] (0,0) -- (0,-10) node[anchor=north] {180° Right};
\draw[thick,->] (0,0) -- (10,10) node[anchor=north east] {160° Left};
\draw[thick,->] (0,0) -- (-10,10) node[anchor=north west] {160° Right};
\draw[thick,->] (0,0) -- (0,15) node[anchor=south] {100° Left};
\draw[thick,->] (0,0) -- (0,-15) node[anchor=north] {100° Down};
\end{tikzpicture}\]

\[\begin{tikzpicture}[scale=0.5]
\draw[thick,->] (0,0) -- (10,0) node[anchor=west] {210° Up};
\draw[thick,->] (0,0) -- (0,10) node[anchor=south] {90° Down};
\draw[thick,->] (0,0) -- (-10,0) node[anchor=west] {180° Down};
\draw[thick,->] (0,0) -- (0,-10) node[anchor=north] {180° Right};
\draw[thick,->] (0,0) -- (10,10) node[anchor=north east] {160° Left};
\draw[thick,->] (0,0) -- (-10,10) node[anchor=north west] {160° Right};
\draw[thick,->] (0,0) -- (0,15) node[anchor=south] {100° Left};
\draw[thick,->] (0,0) -- (0,-15) node[anchor=north] {100° Down};
\end{tikzpicture}\]

VIDEO COLONOSCOPE \textbf{EC-600W-M / W-I / W-L}\hspace{1cm}

\begin{center}
\begin{tabular}{|l|l|}
\hline
Field of view & 140° \\
Observation range & 2 – 100 mm \\
Bending capability & Up 180° / Down 180° \\
& Right 160° / Left 160° \\
Distal end diameter & 12.0 mm \\
Flexible portion diameter & 12.0 mm \\
Working channel diameter & 3.8 mm \\
Working length & 1,330 / 1,520 / 1,690 mm \\
Total length & 1,630 / 1,820 / 1,990 mm \\
\hline
\end{tabular}
\end{center}

\[\begin{tikzpicture}[scale=0.5]
\draw[thick,->] (0,0) -- (10,0) node[anchor=west] {180° Up};
\draw[thick,->] (0,0) -- (0,10) node[anchor=south] {180° Down};
\draw[thick,->] (0,0) -- (-10,0) node[anchor=west] {180° Down};
\draw[thick,->] (0,0) -- (0,-10) node[anchor=north] {180° Right};
\draw[thick,->] (0,0) -- (10,10) node[anchor=north east] {160° Left};
\draw[thick,->] (0,0) -- (-10,10) node[anchor=north west] {160° Right};
\draw[thick,->] (0,0) -- (0,15) node[anchor=south] {180° Left};
\draw[thick,->] (0,0) -- (0,-15) node[anchor=north] {180° Down};
\end{tikzpicture}\]

\[\begin{tikzpicture}[scale=0.5]
\draw[thick,->] (0,0) -- (10,0) node[anchor=west] {180° Up};
\draw[thick,->] (0,0) -- (0,10) node[anchor=south] {180° Down};
\draw[thick,->] (0,0) -- (-10,0) node[anchor=west] {180° Down};
\draw[thick,->] (0,0) -- (0,-10) node[anchor=north] {180° Right};
\draw[thick,->] (0,0) -- (10,10) node[anchor=north east] {160° Left};
\draw[thick,->] (0,0) -- (-10,10) node[anchor=north west] {160° Right};
\draw[thick,->] (0,0) -- (0,15) node[anchor=south] {180° Left};
\draw[thick,->] (0,0) -- (0,-15) node[anchor=north] {180° Down};
\end{tikzpicture}\]
The 580 series by Fujifilm stands out for its wide range of special features for various purposes. The unique specifications include ultraslim and smart bending types as well as the double balloon system.
VIDEO GASTROSCOPE **EG-580RD** Smart Bend Treatment Type

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>0° (Forward)</td>
</tr>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210° / Down 120° Right 100° / Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>9.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>9.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

VIDEO COLONOSCOPE **EC-580RD-L** Smart Bend Slim & Treatment Type

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210° / Down 160° Right 160° / Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>9.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>10.5 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,690 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,990 mm</td>
</tr>
</tbody>
</table>
VIDEO GASTROSCOPE **EG-580NW2** Ultraslim Type

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° Right 100°/Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>5.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>5.9 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.4 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**ENLARGED WORKING CHANNEL FOR IMPROVED SUCTION CAPACITY FOR THE ULTRASLIM GASTROSCOPE**

The 2.4 mm working channel of the EG-580NW2 realise a higher suction ability compared to other ultraslim gastroscopes, especially when the therapeutic accessory is inserted into the working channel.
IMPROVED TREATMENT CAPABILITY

Incorporated into the distal tip of the ED-580XT, the G-Lock contains the forceps elevator and the contact section, enabling the guidewire to be simply and securely fixed into position by using the forceps elevator. In addition, the specially designed round shaped forceps elevator reduces the risk of guidewire damage. The inner tube of the instrument channels uses an optimised material to enable a device to be inserted smoothly, supporting rapid device exchange. Designed to work in harmony with the endoscopist, the new G-Lock and low friction instrument channel support efficiency and ease of use during ERCP procedures.

EASY AND EFFECTIVE DISTAL END CLEANING

Easier Brushing Access – Easier Cleaning
The single-use distal end cap permits easier brushing access to the distal end of the endoscope. In addition, the elevator mechanism is sealed to allow easier cleaning.
DOUBLE BALLOON ENDOSCOPY SYSTEM

By developing the double balloon endoscopy, Fujifilm made it possible for the first time to examine and treat the complete small intestine. The two-balloon system is revolutionary, providing an unparalleled level of detail and is, to this day, the gold standard in examination of the small intestine. It is also commonly used in ERCPs with altered conditions post-surgery.

Enlarged working channel for efficient treatment
DOUBLE BALLOON ENDOSCOPY

Double balloon endoscopy is a revolutionary technique that allows the whole length of the small intestine to be visualised, opening doors to new therapeutic interventions.

Fujifilm developed the DBE system to meet the clinical needs for more precise and efficient diagnoses and treatment.

WORKING CHANNEL WITH 3.2MM DIAMETER

The enlarged 3.2 mm working channel suits procedures such as hemostasis and balloon dilation. It enables blood or mucus to be aspirated while a therapeutic device is inserted, making hemostasis quicker. The large working channel is also designed for easier insertion and removal of a balloon catheter before and after dilation of stricture.

The 3.2 mm working channel provides greater suction performance than conventional models.

(According to Fujifilm data)

ESPECIALLY 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 connector especially designed for the balloon air feed inlet on the endoscope is provided, making the preparation simpler.
### ENTEROSCOPE EN-580T Therapeutic Type

- **Viewing direction**: 0° (Forward)
- **Field of view**: 140°
- **Observation range**: 2~100 mm
- **Bending capability**: Up 180°/Down 180° Right 160°/Left 160°
- **Distal end diameter**: 9.4 mm
- **Flexible portion diameter**: 9.3 mm
- **Working channel diameter**: 3.2 mm
- **Working length**: 2,000 mm
- **Total length**: 2,300 mm

### ENTEROSCOPE EN-580XP Slim Type

- **Field of view**: 140°
- **Observation range**: 2~100 mm
- **Bending capability**: Up 180°/Down 180° Right 160°/Left 160°
- **Distal end diameter**: 7.5 mm
- **Flexible portion diameter**: 7.7 mm
- **Working channel diameter**: 2.2 mm
- **Working length**: 2,000 mm
- **Total length**: 2,300 mm

### "SHORT" DOUBLE-BALLOON ENDOSCOPE EI-580BT

- **Viewing direction**: 0° (Forward)
- **Field of view**: 140°
- **Observation range**: 2~100 mm
- **Bending capability**: Up 180°/Down 180° Right 160°/Left 160°
- **Distal end diameter**: 9.4 mm
- **Flexible portion diameter**: 9.3 mm
- **Working channel diameter**: 3.2 mm
- **Working length**: 1,550 mm
- **Total length**: 1,850 mm

Latex-free tubes and balloons are available on EN-580T and EN-580XP. For further information please see our guidebook on DBE accessories.
OVERTUBE **TS-1114B / 1214B / 1314B**

Silicone overtube, sterile, single-use, with expiration date (contains silicone rubber)

<table>
<thead>
<tr>
<th>Overtube model</th>
<th>TS-1114B</th>
<th>TS-1214B</th>
<th>TS-1314B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable endoscopes</td>
<td>EN-580XP</td>
<td>EN-450P520</td>
<td>EN-450T5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN-580T</td>
</tr>
</tbody>
</table>

OVERTUBE **TS-12140 / 13140 / 13101**

Latex overtube, sterile, single use, with expiration date (contains natural rubber latex)

<table>
<thead>
<tr>
<th>Overtube model</th>
<th>TS-12140</th>
<th>TS-13140</th>
<th>TS-13101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable endoscopes</td>
<td>EN-450P520</td>
<td>EN-450T5</td>
<td>EN-580T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EC-450BI5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EI-580BT</td>
</tr>
</tbody>
</table>

CONNECTION TUBE **TY-400 / TY-500**

TY-400:
Connection tube kit for silicone overtube, PB-20/30 and 450 series – exchange once every month or once every 10 cases

TY-500:
Connection tube kit for silicone overtube, PB-20/30 and endoscopes EN-580T & EN-580XP – exchange once every month or once every 10 cases

Latex-free tubes and balloons are available on EN-580T and EN-580XP. For further information please see our guidebook on DBE accessories.
CONNECTION TUBE **TY-04 / TY-06**

**TY-04:**
Connection tube kit for latex overtube, PB-20/30 and 450 series – exchange once every month or once every 10 cases

**TY-06:**
One-touch-connector set (2 tubes) for latex overtube, PB-20/30 and 500 series

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**BALLOON BS-4**

Endoscope balloon Ø 35 mm, single-use, with expiration date (contains silicone rubber)
(10 pcs balloon + 20 pcs rubber band/pack)

ST-10 is needed to attach

---

**BALLOON BS-2**

Endoscope balloon Ø 35 mm, single-use, with expiration date (contains natural rubber latex)
(10 pcs balloon + 20 pcs rubber band/pack)

---

Latex-free tubes and balloons are available on EN-580T and EN-580XP. For further information please see our guidebook on DBE accessories.
BALLOON CONTROL UNIT **PB-30**
To be used to control the pressures inside the balloons which are inflated and deflated during DBE examinations

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum flow rate of pump</td>
<td>170 ml ± 50 ml / 10 sec.</td>
</tr>
<tr>
<td>Set pressure accuracy</td>
<td>± 2 kpa</td>
</tr>
<tr>
<td>Set pressure of balloon</td>
<td>5.6 kpa</td>
</tr>
<tr>
<td>Weight</td>
<td>7.0 kg (Main unit), 0.4 kg (Remote switch)</td>
</tr>
<tr>
<td>Power</td>
<td>AC100-240V, 50 / 60 Hz 0.8A</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>145 x 170 x 410 mm</td>
</tr>
</tbody>
</table>

BALLOON SETTING TOOLS **ST-05B / ST-10**
To fix the balloon and the rubber bands
530 SERIES ENDOSCOPEs

Natural colour reproduction, a high resolution Super CCD chip for excellent image quality and good bending operability are just three of the many advantages presented by the 530 series endoscope.

The endoscopes can be run with the ELUXEO™ VP-7000 processor, the ELUXEO™ Lite EP-6000 or the EPX-3500 HDTV processor in Full HD quality.

Excellent image quality
Fujifilm's Super CCD, which has been exclusively developed for the endoscope, is built in, to provide clear images.
VIDEO GASTROSCOPE **EG-530NP Ultraslim Type**

The EG-530NP gastroscope is slimmed down as much as is possible providing a 4.9 mm distal end (5.1 mm in the flexible portion) which immensely supports a soft transnasal insertion. This ultraslim endoscope is also equipped with dual light guides and a 2.0 mm working channel.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>0° (Forward)</td>
</tr>
<tr>
<td>Field of view</td>
<td>120°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3 – 100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210° / Down 120°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>4.9 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>5.1 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.0 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,460 mm</td>
</tr>
</tbody>
</table>

**Objective lens**  
**Air/Water nozzle**  
**Light guide**  
**Endoscope Series**  

**VIDEO GASTROSCOPE **EG-530WR**

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>0° (Forward)</td>
</tr>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>4 – 100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210° / Down 90°, Right 100° / Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>9.4 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>9.3 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>2.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

**Objective lens**  
**Air/Water nozzle**  
**Light guide**  
**Endoscope Series**
VIDEO GASTROSCOPE **EG-530CT** Therapeutic Treatment

With the working channel as wide as 3.8 mm, EG-530CT’s distal end is as slim as 10.8 mm in diameter. A water jet function is incorporated to support therapeutic interventions.

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° / Right 100° / Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>10.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>10.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,100 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,400 mm</td>
</tr>
</tbody>
</table>

VIDEO GASTROSCOPE **EG-530D** Therapeutic Treatment

EG-530D is an endoscope for treatment of the upper GI tract, with two working channel, 3.8 mm and 2.8 mm, and a distal end as slim as 11.5 mm. A water jet function is also incorporated for use in various treatment methods during endoscopy.

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 210°/Down 90° / Right 100° / Left 100°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>11.5 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>11.5 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm/2.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,090 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,405 mm</td>
</tr>
<tr>
<td>Water jet</td>
<td>Equipped</td>
</tr>
</tbody>
</table>
VIDEO DUODENOSCOPE ED-530XT8 Therapeutic Treatment

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

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>98° (6° rearward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>100°</td>
</tr>
<tr>
<td>Observation range</td>
<td>4 – 60 mm</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>13.1 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>11.5 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 130°/Down 90° / Right 110°/Left 90°</td>
</tr>
<tr>
<td>Working length</td>
<td>1,250 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,550 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>4.2 mm</td>
</tr>
</tbody>
</table>
VIDEO COLONOSCOPE EC-530WM3 / WI3 / WL3

With a wide field of view of 140°, these lower GI tract endoscopes offer a greater resolution. The ColoAssist II design facilitates improved insertion capability.

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (Forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180°/Down 180° Right 160° /Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,330/1,520/1,690mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,630/1,820/1,990mm</td>
</tr>
</tbody>
</table>

VIDEO COLONOSCOPE EC-530MP / LP Slim Type

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

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (Forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180°/Down 180° Right 160° /Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>11.0 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>11.1 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,330/1,690mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,630/1,990mm</td>
</tr>
</tbody>
</table>

VIDEO COLONOSCOPE EC-530DM / DL Therapeutic Treatment

These lower GI tract endoscopes have two working channels (3.8 mm and 2.8 mm), especially useful for treatments such as EMR.

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (Forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180°/Down 180° Right 160° /Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8/2.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,330/1,690mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,645mm/2,005mm</td>
</tr>
</tbody>
</table>
VIDEO SIGMOIDOSCOPE **ES-530WE**

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

<table>
<thead>
<tr>
<th>Viewing direction</th>
<th>0° (Forward)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>140°</td>
</tr>
<tr>
<td>Observation range</td>
<td>3–100 mm</td>
</tr>
<tr>
<td>Bending capability</td>
<td>Up 180°/Down 180°/Right 160°/Left 160°</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>12.8 mm</td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>790 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>1,090 mm</td>
</tr>
</tbody>
</table>
VIDEO PROCESSORS AND LIGHT SOURCES

Video processor technology from Fujifilm provides you with the best processor for your application at all times – Either the high-end video processor ELUXEO™ 7000 system equipped with LCI and BLI observation modes for demanding examinations, the video processor ELUXEO™ Lite EP-6000 with built-in LED Light source or the standard EPX-3500HD, also featured with HDTV and antiblur function. All models offer digital image processing and video interfaces. With ergonomic and intuitive user controls, these video processors help to save valuable time and to facilitate more comfortable examinations.
To achieve the highest standards, the eco-friendly ELUXEO™ 7000 system features the innovative 4-LED light source, which is outstanding in terms of longevity and low energy consumption. The LED light source reduces time-consuming and frequent changes of light bulbs. The average life expectancy of LED lights is 10,000 hours.

<table>
<thead>
<tr>
<th>Light source</th>
<th>4-LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air supply pump</td>
<td>High, Mid, Low, Off</td>
</tr>
<tr>
<td>Power rating</td>
<td>100–240V 50/60Hz 1.2–0.7A</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>390 x 155 x 485 mm (including projection)</td>
</tr>
<tr>
<td>Weight</td>
<td>12.0 kg</td>
</tr>
<tr>
<td>Optical radiation safety</td>
<td>Class 1 LED product</td>
</tr>
</tbody>
</table>

**4-LED LIGHT SOURCE WITH HIGH DURABILITY BL-7000**

<table>
<thead>
<tr>
<th>LED lamp</th>
<th>XENON lamp</th>
<th>Halogen lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1000</td>
<td>2000</td>
</tr>
<tr>
<td>3000</td>
<td>4000</td>
<td>5000</td>
</tr>
<tr>
<td>6000</td>
<td>7000</td>
<td>8000</td>
</tr>
<tr>
<td>9000</td>
<td>10,000</td>
<td></td>
</tr>
</tbody>
</table>

Life expectancy in hours based on Fujifilm's recommended conditions

**HIGH PERFORMANCE VIDEO PROCESSOR VP-7000**

The ELUXEO™ video processor VP-7000 enables you to make use of the many features provided by Fujifilm’s wide range of scopes along with the innovative 4-LED illumination system and its innovative visualisation modes LCI and BLI. It is also compatible with the 600 and 500 series of scopes. The processor creates high quality images and videos displayed in full HD on the monitor. Automatic back-up mode for data storage is integrated and the processor is also DICOM compatible.

<table>
<thead>
<tr>
<th>Compatible scopes</th>
<th>700/600/500 series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>DVI-D x2, DVI-I x1, HD-SDI x2, RGB-TV x1, S VIDEO x1, VIDEO x1</td>
</tr>
<tr>
<td>Input</td>
<td>1 channel PoP</td>
</tr>
<tr>
<td>Internal memory</td>
<td>4 GB</td>
</tr>
<tr>
<td>External memory</td>
<td>USB Flash Drive</td>
</tr>
<tr>
<td>Power rating</td>
<td>100–240V 50/60HZ 0.8–0.5A</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>390 x 110 x 485mm (including projection)</td>
</tr>
<tr>
<td>Weight</td>
<td>9.0 kg</td>
</tr>
</tbody>
</table>
NEW

ELUXEO™ Lite

VIDEO PROCESSOR WITH BUILT-IN LED LIGHT SOURCE  EP-6000

The ELUXEO™ Lite EP-6000 combines a reliable 3-LED light source with a processor that enables you to make use of the many features provided by Fujifilm’s wide range of scopes. Combined with the 700 series the innovative visualisation modes LCI (Linked Colour Imaging) and BLI (Blue Light Imaging) are available.

Due to the use of economical LED lamps with a long durability this system is very eco-friendly. It is also compatible with the 600 and 500 series of scopes. The ELUXEO™ Lite EP-6000 creates quality images and videos displayed in full HD on the monitor. Automatic back-up mode for data storage is integrated and the processor is also DICOM compatible.

Available observation modes

<table>
<thead>
<tr>
<th>Available observation modes</th>
<th>White Light</th>
<th>BLI</th>
<th>LCI</th>
<th>FICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 system scopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 / 600 system scopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

- **Light source**: 3-LED
- **Air supply pump**: High, Mid, Low, Off
- **Compatible scopes**: 780, 740, 720, 600, 580, 530 series*
- **Output**: DVI-D x2, RGB-TV x1, S VIDEO x1, VIDEO x1
- **Internal memory**: 4GB
- **External memory**: USB Flash Drive
- **Power rating**: 100–240V 50/60HZ 2.0–1.1A
- **Dimensions (W x H x D)**: 395 x 210 x 485 mm (including projection)
- **Weight**: 15.0kg
- **Optical radiation safety**: Class 1 LED product

* Excluding EG-530UT2, EG-530UT, EG-530UR2 and EG-530UR
VIDEO PROCESSOR **EPX-3500HD**

**ADVANCED ENDOSCOPIC DIAGNOSTICS AND THERAPY**

The EPX-3500HD, with its advanced image processing technology, facilitates endoscopic diagnostics and therapies. It provides clear images by using superior functions such as structure enhancement (FICE), automatic light control and Anti-Blur. The EPX-3500HD is compatible with our full range of 500 and 600 series endoscopes. Three patterns of FICE, which enhances the colour tone of the endoscopic images by image processing, are pre-defined and can be easily operated by pressing the scope switch button. Thanks to the Anti-Blur function, all captured images are documented in razor-sharp detail. During the archiving stage, the video processor automatically selects and saves the cleanest image.

<table>
<thead>
<tr>
<th>VP-3500HD Processor</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible scopes</td>
<td>600, 500 series</td>
</tr>
<tr>
<td>Output</td>
<td>DVI-D x2, RGB-TV x1, S VIDEO x1, VIDEO x1</td>
</tr>
<tr>
<td>External memory</td>
<td>USB Flash Drive</td>
</tr>
<tr>
<td>Power rating</td>
<td>100<del>240V ± 10% 50/60Hz 1.0</del>0.3A*</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>390 x 105 x 460mm</td>
</tr>
<tr>
<td>Weight</td>
<td>8.0 kg</td>
</tr>
</tbody>
</table>

*less than 90VA

<table>
<thead>
<tr>
<th>XL-4450 Light source</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Light source</td>
<td>300W Xenon lamp LMP-002</td>
</tr>
<tr>
<td>Air supply pump</td>
<td>High, Mid, Low, Off</td>
</tr>
<tr>
<td>Power rating</td>
<td>230V ± 10% 50Hz 1.7A/120V ± 10% 60Hz 3.3A</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>390 x 155 x 450mm</td>
</tr>
<tr>
<td>Weight</td>
<td>15.0 kg</td>
</tr>
</tbody>
</table>
ULTRASONOGRAPHY SYSTEMS WITH NUMEROUS MODES

Ultrasonography revolutionised the clinical approach to patients with digestive and respiratory diseases. Nowadays, ultrasonography is being used to examine and visualise internal body structures for possible lesions, supporting definitive diagnosis and helping doctors to decide on suitable treatment approaches.

EUS Tower: All-in-one concept
Years of research and development to reduce patient discomfort and improve operator efficiency during endoscope examinations led to the development of Sonart, the integration of ultrasonographic diagnosis and endoscopy systems. For a more accurate diagnosis, advanced image processing technology integrates improved endoscope manoeuvrability and insertion capability. The compact, one-cart system supports various applications.
HIGH RESOLUTION B-MODE

With a new ultrasonic wave transmission and reception design, the development of a proprietary image processing technology and high-sensitivity transducers, the SU-1 ultrasonic processor achieved a significant improvement in high resolution B-mode images. By pinpointing the affected area, small vessels or pancreatic ducts can be viewed clearly, thus supporting accurate evaluation of the affected area and high-precision ultrasonographic results.

CHI (CONTRAST HARMONIC IMAGING)

Images are created by extracting and emphasising higher harmonic signals generated by the injected contrast medium, assisting in the detection of tumours and abnormal growths.

COLOUR DOPPLER

Colour Doppler obtains hemodynamic information. It helps to locate an observation site and blood flow. Improved sensitivity of Colour Doppler can depict blood flow more precisely and reduce artifacts.

ELASTOGRAPHY

Relative stiffness of the tissue is visualised as a colour distribution map by calculating the distortion of the tissue caused by external compression or inner vibration, and displaying disparities in stiffness levels as different colours.

*CHI and Elastography modes are available only in SU-1.
**THI (TISSUE HARMONIC IMAGING)**

Images are configured using higher harmonic components that are generated when ultrasound waves are transmitted through the body’s tissue. By increasing resolution and reducing artifacts, this mode enables ultrasound image observation with reduced noise.

**CH (COMPOUND HARMONIC IMAGING)**

This mode visualises clear images in deep-lying areas while maintaining high resolution images in shallow lying areas to support accurate diagnoses.

**SOUND SPEED CORRECTION**

Images are recomposed using the estimated optimal sound speed inside the body. With the SU-1, it is possible to display a clearer image of the targeted area.

---

### Endoscopic Ultrasonic Processor SU-1

<table>
<thead>
<tr>
<th>Feature</th>
<th>SU-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td></td>
</tr>
<tr>
<td>Power rating</td>
<td>AC 100–240 V</td>
</tr>
<tr>
<td>Frequency rating</td>
<td>50Hz/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2.0–1.2 A</td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>390 x 135 x 485 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>13.0 kg</td>
</tr>
<tr>
<td>Ultrasoundography image display</td>
<td></td>
</tr>
<tr>
<td>Scanning method</td>
<td>Electronic scanning</td>
</tr>
<tr>
<td>Probe types</td>
<td>Curved linear array/Radial</td>
</tr>
<tr>
<td>Scanning modes</td>
<td>B, M, CD, PD, PW, THI, CH</td>
</tr>
<tr>
<td>Special modes*</td>
<td>Elastography/CHI</td>
</tr>
<tr>
<td>Received signal processing</td>
<td></td>
</tr>
<tr>
<td>Received gain correction</td>
<td>0–100, 2-step</td>
</tr>
<tr>
<td>STC</td>
<td>6-step gain settings per depth</td>
</tr>
<tr>
<td>Sound speed correction</td>
<td>Full screen ROI settings</td>
</tr>
<tr>
<td>Dynamic Range</td>
<td>40–100, 5-step</td>
</tr>
<tr>
<td>Display</td>
<td></td>
</tr>
<tr>
<td>PinP</td>
<td>Endoscopic/Ultrasound Imaging</td>
</tr>
<tr>
<td>Observation screen</td>
<td>Hospital/Date/Time/Patient</td>
</tr>
<tr>
<td>Applicable</td>
<td></td>
</tr>
<tr>
<td>Curved linear array</td>
<td>EG-580UT, EG-530UT2, EB-530US</td>
</tr>
<tr>
<td>Radial</td>
<td>EG-580UR, EG-530UR2</td>
</tr>
<tr>
<td>Frequency</td>
<td>5MHz, 7.5MHz, 10MHz, 12MHz</td>
</tr>
<tr>
<td>Image input terminal</td>
<td>DVI image input terminal</td>
</tr>
</tbody>
</table>

---

**Image output terminals**

- Video terminal: 1
- S-video terminal: 1
- RGB TV terminal: 1
- DVI terminal (digital): 1
- DVI terminal (digital/analog): 1
- HD-SDI terminal: 2

**Sound output**

- RCA terminal: 1
- Remote terminal: 2
- Remote terminal (input): 1
- RS-232C terminal: 1
- Keyboard terminal: 1
- Foot switch terminal: 1
- Network terminal: 1

**Control terminal**

**Measurement function**

- Measurement items: Distance, perimeter, area, volume, flow speed

**Storage**

- Data formats: JPEG, TIFF, DICOM, AVI
- Storage device: Internal/External memory (USB)
- Cine memory: Storage/Playback

**Accessories**

- Keyboard and foot switch

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*CHI and Elastography modes are available only in SU1-H-.

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**Easy-to-clean flat keyboard for use by touch panel and touch pad, also available with trackball keyboard**
HIGHLY MANOEUVRABLE FLEXIBLE PORTION

Materials for the flexible portion have been completely reviewed, especially in terms of their elasticity, in order to enhance manoeuvrability and insertion capabilities as well as torquability. Using the exclusive new material, the flexible portion is designed to be stiffer at the control portion side and become gradually more flexible towards the distal end side for better pushability.

EXCELLENT INSERTION CAPABILITY

The newly designed structure of the flexible portion improves insertion capability. A small bending radius provides better observation.

IN PURSUIT OF BALLOON OPERABILITY

An air/water and suction button inflates and deflates water into and from the balloon.

OPERATION-FRIENDLY CONTROL PORTION: G7 GRIP

We have renewed the layout and size of the components of the control portion and repositioned the angulation knobs to increase accessibility from the grip. The G7 grip is designed to have an easy and comfortable feel to optimise performance and minimise stress during clinical procedures.

HIGH RESOLUTION IMAGES WITH ULTRASONIC ENDOSCOPES

Both the EG-580UR and EG-580UT are equipped with a Fujifilm high resolution image sensor, High Resolution Super CCD which, together with a highly efficient optical lens, allows a wide range of sensitive and brilliant quality images to be obtained to help diagnosis.

EG-580UR

EG-580UT
ULTRASONIC ENDOSCOPE **EG-580UR** Radial Scan

Equipped with a slim distal end diameter of 11.4 mm and a shorter rigid section, the echo-endoscope is highly flexible. The enhanced manoeuvrability makes it easier to approach in retroflex observation of fundus and cardia, and with its round tip design and a direct forward view, the EG-580UR can be inserted into narrow lumen – just like a standard gastroscopic procedure. Furthermore the upward bending capability of 190° allows maximum flexibility.

<table>
<thead>
<tr>
<th>Endoscopic functions</th>
<th>Ultrasonic functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>Colour Doppler,</td>
</tr>
<tr>
<td>0°</td>
<td>Power Doppler,</td>
</tr>
<tr>
<td>Observation range</td>
<td>Pulse Doppler,</td>
</tr>
<tr>
<td>3 – 100 mm</td>
<td>B mode, M mode</td>
</tr>
<tr>
<td>Field of view</td>
<td>Scanning mode</td>
</tr>
<tr>
<td>140°</td>
<td>Electronic radial scan</td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>Scanning method</td>
</tr>
<tr>
<td>11.4 mm</td>
<td>360° (in combination</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>with SU-1)</td>
</tr>
<tr>
<td>11.5 mm</td>
<td>Frequency</td>
</tr>
<tr>
<td>Bending capability</td>
<td>5MHz/7.5MHz/10MHz/</td>
</tr>
<tr>
<td>Up 190°/Down 90°</td>
<td>12MHz</td>
</tr>
<tr>
<td>Right 100°/Left 100°</td>
<td></td>
</tr>
<tr>
<td>Working length</td>
<td></td>
</tr>
<tr>
<td>1,250 mm</td>
<td></td>
</tr>
<tr>
<td>Overall length</td>
<td></td>
</tr>
<tr>
<td>1,550 mm</td>
<td></td>
</tr>
<tr>
<td>Working channel diameter</td>
<td></td>
</tr>
<tr>
<td>2.8 mm</td>
<td></td>
</tr>
</tbody>
</table>

**GREAT APPROACH ABILITY**

- Shorter rigid section
- 190° upward angulation
- Small bending radius

**Ø 2.8MM WORKING CHANNEL SUPPORTING IMPROVED SUCTION POWER**

The use of a larger working channel of Ø 2.8 mm allows easy suctioning of blood and bodily fluids, providing a clear view during endoscopic observation.
ULTRASONIC ENDOSCOPE EG-580UT Curved Linear Array

The therapeutic echo-endoscope with a small bending radius and a short rigid section enables easier access to the targeted areas. A wide puncture range assists for FNA. The 140° endoscopic field of view, together with the 40° forward oblique view, reduces stress during the insertion process. Combined with a powerful 150° up angulation, the scope is suitable for both observation and therapeutic procedures.

40° FRONT OBLIQUE, 140° ENDOSCOPIC FIELD

<table>
<thead>
<tr>
<th>Endoscopic functions</th>
<th>Ultrasonic functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing direction</td>
<td>Scanning mode</td>
</tr>
<tr>
<td>40° (Forward oblique)</td>
<td>Colour Doppler,</td>
</tr>
<tr>
<td>Observation range</td>
<td>Power Doppler,</td>
</tr>
<tr>
<td>3-100 mm</td>
<td>Pulse Doppler,</td>
</tr>
<tr>
<td>Field of view</td>
<td>B mode, M mode</td>
</tr>
<tr>
<td>140°</td>
<td></td>
</tr>
<tr>
<td>Distal end diameter</td>
<td>Scanning method</td>
</tr>
<tr>
<td>13.9 mm</td>
<td>Electronic curved</td>
</tr>
<tr>
<td>Flexible portion diameter</td>
<td>linear array scan</td>
</tr>
<tr>
<td>12.4 mm</td>
<td></td>
</tr>
<tr>
<td>Bending capability</td>
<td>Scanning angle</td>
</tr>
<tr>
<td>Up 150°/Down 150°</td>
<td>150° (in combination</td>
</tr>
<tr>
<td>Right 120°/Left 120°</td>
<td>with SU-1)</td>
</tr>
<tr>
<td>Working length</td>
<td>Frequency</td>
</tr>
<tr>
<td>1,250 mm</td>
<td>5 MHz/7.5 MHz/</td>
</tr>
<tr>
<td>Overall length</td>
<td>10 MHz/12 MHz</td>
</tr>
<tr>
<td>1,550 mm</td>
<td></td>
</tr>
<tr>
<td>Working channel diameter</td>
<td>3.8 mm</td>
</tr>
</tbody>
</table>

WIDE PUNCTURE RANGE

FORCEPS ELEVATOR ASSIST

The Forceps Elevator Assist function ensures a steady maximum UP forceps elevation when the lever on the control portion is pulled down completely and clicked into place. This function reduces strain on the thumb caused by repeatedly operating the lever during procedures. It also enables flexible and subtle endoscopic operations during therapeutic procedures and supports stable puncture trajectory.

Hold maximum upwards forceps elevator
COMPLETING ACCESSORIES

ESD KNIFE FLUSH KNIFE SERIES

ONE KNIFE COVERS FROM MARKING TO ARREST OF BLEEDING, ACHIEVING HIGH VERSATILITY
One single knife allows procedures including 1. marking, 2. incision, 3. lifting, 4. dissection and 5. arrest of bleeding. The high versatility improves operation abilities and cost efficiencies. Safer and more efficient treatment is achieved by using the protruding knife length best suited for each treatment area.

Aimed at achieving enhanced usability and ideal for all physicians from ESD trainees to skilled practitioners.

1. Marking
2. Mucosal incision
3. Lifting and 4. Submucosal dissection
5. Arrest of bleeding

WATER JET SYSTEM MAINTAINS A CLEAN TIP
The water jet system keeps the tip of the knife clean by washing off debris and lesion tissue adhering to the tip, thereby maintaining the sharpness of the knife throughout the treatment.
FlushKnife BTS’s ball tip produces good traction, enabling the
target tissue to be dissected smoothly. The ball tip touches a wider
range of tissue and supports effective coagulation.
Distal End: 1.5 mm/2.0 mm/2.5 mm/3.0 mm
Working Length: 2,000 mm
Also available with a working length of 2,300 mm
(distal end 1.5 mm or 2.0 mm)

FlushKnife NS’s slim needle-shaped tip provides stronger
dissection capability by high current density and enables sharp
marking.
Distal End: 1.0 mm/1.5 mm/2.0 mm/2.5 mm/3.0 mm
Working Length: 2,000 mm
Also available with a working length of 2,300 mm
(distal end 1.5 mm or 2.0 mm)

**CHARACTERISTICS**

**Enhanced suction capability**
- With the thinner sheath, the space between the accessory channel and FlushKnife
  is enlarged, which enables increased suction performance while stabilising the sheath.

**Excellent manoeuvrability and stability**
- FlushKnife is stabilised by the minimised gap within the forceps channel.

**Improved durability and insertion ability**
- Reduced resistance during scope insertions and improved durability (less kinking) is
  achieved by enhanced flexibility and a thinner sheath.

FlushKnife BTS New type

![Image](2.2 mm) 2.7 mm

FlushKnife BTS Conventional type

![Image](2.7 mm) 2.7 mm

The sheath tip shape is modified compared to a conventional type. The thinner sheath
provides increased suction capability, while the shape of the sheath stabilises the axis.

**RECOMMENDATION FOR USE**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>1mm</th>
<th>1.5mm</th>
<th>2mm</th>
<th>2.5mm</th>
<th>3mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oesophagus</td>
<td>++</td>
<td>++++</td>
<td>++++</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Stomach</td>
<td>++</td>
<td>++++</td>
<td>++++</td>
<td>++++</td>
<td>++</td>
</tr>
<tr>
<td>Colon</td>
<td>++</td>
<td>++++</td>
<td>++++</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

+++ Best indication  ++ Possible Use  + Indicated in certain cases

Examples of the suitable protruding lengths are suggested by Takashi Toyonaga M.D. of Kobe University Hospital.
A physician must take consideration of each condition of the area or lesion to be dissected when selecting a protruding knife length.
ESD KNIFE **CLUTCH CUTTER**

The 3 in 1 ESD tool for efficient and safe therapeutic procedures – incision, dissection and coagulation.

**FEATURES**
- Toothed jaws – to grip the mucosa membrane securely and efficiently
- Rotatable distal jaws – for a precise lesion approach
- Insulated outer edge – for a safe procedure without damaging tissue
- Two jaw lengths – available in 3.5 mm and 5.0 mm

<table>
<thead>
<tr>
<th>Product name</th>
<th>ClutchCutter single use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identifier</td>
<td>-35- -50-</td>
</tr>
<tr>
<td>Jaw length</td>
<td>3.5 mm 5.0 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,800 mm</td>
</tr>
<tr>
<td>Maximum diameter of insertion portion</td>
<td>2.7 mm</td>
</tr>
<tr>
<td>Working channel diameter of compatible endoscope</td>
<td>2.8 mm or more</td>
</tr>
</tbody>
</table>

**ST HOODS**

ST hoods help to perform safer and more efficient ESD and POEM by preventing the surgical field of view being blocked by mucosa and provide a clear view during the endoscopic treatment.

**ST HOOD** Short Type

<table>
<thead>
<tr>
<th>Model</th>
<th>DH-28GR</th>
<th>DH-29CR</th>
<th>DH-30CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer diameter</td>
<td>11.8 mm</td>
<td>13.0 mm</td>
<td>14.8 mm</td>
</tr>
<tr>
<td>Inner diameter of tip</td>
<td>7.0 mm</td>
<td>7.0 mm</td>
<td>7.0 mm</td>
</tr>
<tr>
<td>Tip length</td>
<td>8.0 mm</td>
<td>8.0 mm</td>
<td>8.0 mm</td>
</tr>
<tr>
<td>Drains</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Applicable endoscope</td>
<td>EG-760R</td>
<td>EG-580RD</td>
<td>EG-760CT</td>
</tr>
<tr>
<td></td>
<td>EG-760Z</td>
<td>EG-580WR</td>
<td>EG-590ZW</td>
</tr>
<tr>
<td></td>
<td>EG-600WR</td>
<td>EC-740T M/L</td>
<td>EC-530MP</td>
</tr>
<tr>
<td></td>
<td>EG-600ZW</td>
<td>EC-580RD M/L</td>
<td>EC-530LP</td>
</tr>
<tr>
<td></td>
<td>EG-590WR</td>
<td>EG-590ZW</td>
<td>EC-600R-VM/V/L</td>
</tr>
<tr>
<td></td>
<td>EC-590ZW</td>
<td>EC-600ZP-VM/VL</td>
<td>EC-590WM4, W4, W4</td>
</tr>
<tr>
<td></td>
<td>EG-530WR</td>
<td>EC-760P-VM/VL</td>
<td>EC-590ZWM4, W3, W3</td>
</tr>
<tr>
<td></td>
<td>EG-530Z</td>
<td>EC-600WM, W4, W4</td>
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<tr>
<td></td>
<td>EG-600W</td>
<td>EC-530WM3, W3, W3</td>
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**ST HOOD**

<table>
<thead>
<tr>
<th>Model</th>
<th>DH-15GR</th>
<th>DH-16CR</th>
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<tbody>
<tr>
<td>Outer diameter</td>
<td>12.2 mm</td>
<td>16 mm</td>
</tr>
<tr>
<td>Inner diameter of tip</td>
<td>7.0 mm</td>
<td>7.0 mm</td>
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<tr>
<td>Tip length</td>
<td>8.3 mm</td>
<td>8.3 mm</td>
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<tr>
<td>Drains</td>
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<tr>
<td>Applicable endoscope</td>
<td>EG-760R</td>
<td>EG-590WR</td>
</tr>
<tr>
<td></td>
<td>EG-760Z</td>
<td>EG-580RD</td>
</tr>
<tr>
<td></td>
<td>EG-760CT</td>
<td>EG-530WR</td>
</tr>
<tr>
<td></td>
<td>EG-600WR</td>
<td>EC-740T M/L</td>
</tr>
<tr>
<td></td>
<td>EG-600ZW</td>
<td>EC-580RD M/L</td>
</tr>
<tr>
<td></td>
<td>EG-590WR</td>
<td>EC-760R-VM/V/L</td>
</tr>
<tr>
<td></td>
<td>EC-590ZW</td>
<td>EC-760ZP-VM/VL</td>
</tr>
<tr>
<td></td>
<td>EC-530WR</td>
<td>EC-760P-VM/VL</td>
</tr>
<tr>
<td></td>
<td>EC-530Z</td>
<td>EC-600WM, W/4, W/L</td>
</tr>
<tr>
<td></td>
<td>EC-530W</td>
<td>EC-590WM4, W/L</td>
</tr>
<tr>
<td></td>
<td>EC-530WM</td>
<td>EC-590ZWM4, W3, W3</td>
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<tr>
<td></td>
<td>EC-760CT</td>
<td>EC-530WM3, W3, W3</td>
</tr>
</tbody>
</table>

Featuring Accessory Guide
WATER PUMP **JW-2**
Specially designed for advanced endoscopic examination. Proprietary piping technology enables water flow to be quickly stopped. The one litre water bottle enables prolonged water use and minimises the need for constant refilling.

---

**CO₂ INSUFFLATOR ** **GW-100**
Fast resorption of insufflated CO₂ for timesaving and patient friendly examinations. Our latest GW-100 CO₂ insufflator offers clinicians an optimised and easy-to-handle procedure as well as maximum patient comfort.

**FEATURES**
- Direct connection to hospital’s medical CO₂ pipeline as well as to medical CO₂ cylinder
- Easy-to-use CO₂ flow rate switching function and compact design
- 2 controlled flow rate settings

Tube sets for the connection of GW-100 to the medical gas pipeline and medical gas cylinders are available.
SUBMUCOSAL INJECTABLE COMPOSITION – DESIGNED FOR EASY AND SAFE RESECTION PROCEDURES

INTENDED USE
Eleview™ is a new submucosal injectable composition intended for use in gastrointestinal endoscopic procedures for submucosal lift of polyps, adenomas, early stage cancers, or other gastrointestinal mucosal lesions, prior to excision with a snare or endoscopic device.

PERFORMANCE
• Long-lasting cushion with > 45 min lifting time
• Appropriate for challenging polyps regardless of size, location, or type
• Improved margin visualisation for less potential risk of perforation

EFFICIENCY
• Requires less volume to create cushions
• Fewer reinjections and piecemeal excisions compared to saline that can increase your time saving

VISIBILITY
• Dyed with Methylene Blue for improved visualisation of target lesion margins

SAFE AND EASY
• Pre-mixed, sterile and ready to use
• Low-viscosity emulsion fits through a 23 G needle and is easy to inject
### TOP ENDOSCOPIC HOODS

Slit and hole – fluid in the hood is discharged by capillarity and pressure difference.

<table>
<thead>
<tr>
<th>SHS</th>
<th>EG-760R</th>
<th>Soft &amp; transparent type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHM</td>
<td>EG-760Z, EG-760CT, EC-740T M/L</td>
<td>Soft &amp; transparent type</td>
</tr>
<tr>
<td>SHL</td>
<td>EC-760R-VM/VI/VL, EC-760ZP-VM/VL, EC-760P-VM/VL</td>
<td>Soft &amp; transparent type</td>
</tr>
<tr>
<td>SHM-B</td>
<td>EG-760Z, EG-760CT, EC-740T M/L</td>
<td>Soft &amp; black type</td>
</tr>
<tr>
<td>SHL-B</td>
<td>EC-760R-VM/VI/VL, EC-760ZP-VM/VL, EC-760P-VM/VL</td>
<td>Soft &amp; black type</td>
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<tr>
<td>SHF-020</td>
<td>EG-760Z, EC-740T M/L</td>
<td>Hard &amp; transparent type</td>
</tr>
<tr>
<td>SHF-035</td>
<td>EG-760CT, EC-760P-VM/ VL</td>
<td>Hard &amp; transparent type</td>
</tr>
<tr>
<td>SHF-045</td>
<td>EC-760R-VM/VI/ VL</td>
<td>Hard &amp; transparent type</td>
</tr>
<tr>
<td>SHF-050</td>
<td>EC-760ZP-VM/ VL</td>
<td>Hard &amp; transparent type</td>
</tr>
</tbody>
</table>

Packaging unit: 5 pcs./box.

### HOW TO USE

1. **Attachment direction**
   
   Attach the hood to the scope in the direction shown by the arrow. Avoid upside-down attachment. The attachment side is thinner with matching endoscope diameter indication.

2. **Securing with tape**
   
   Secure the loose attachment (ex. unstable hood) with tape. Avoid covering the side hole with the tape.
**27" HD type LCD monitor with Ultra bright LED Backlight**

**RADIANCE® ULTRA 27" HD**
High-Definition, Colour Correction Technology (CCT), Full Multi-Modality, Gorilla Glass front panel

<table>
<thead>
<tr>
<th>Input signal</th>
<th>HD-SDI x 2, DVI-D, DVI-I, RGBs, YPbPr, S-Video, Composite, VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output signal</td>
<td>HD-SDI, DVI, RGBs, YPbPr/VGA, S-Video, Composite</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>678 x 445 x 84 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>8.9 kg</td>
</tr>
</tbody>
</table>

**26" HD type High Brightness LCD monitor with LED Backlight for Fujifilm Endoscope system**

**RADIANCE® G2 HB 26" HD**
High-Definition, Colour Correction Technology (CCT), Full Multi-Modality

<table>
<thead>
<tr>
<th>Input signal</th>
<th>HD-SDI x 2, DVI-D, DVI-I, RGBs, YPbPr, S-Video, Composite, VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output signal</td>
<td>HD-SDI, DVI, RGBs, YPbPr/VGA, S-Video, Composite</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>673 x 418 x 88 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>8.2 kg</td>
</tr>
</tbody>
</table>

**24" HD type LCD monitor with LED Backlight for Fujifilm Endoscope system**

**RADIANCE® G2 24" HD**
High-Definition, Colour Correction Technology (CCT), Full Multi-Modality

<table>
<thead>
<tr>
<th>Input signal</th>
<th>HD-SDI x 2, DVI-D, DVI-I, RGBs, YPbPr, S-Video, Composite, VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output signal</td>
<td>HD-SDI, DVI, RGBs, YPbPr/VGA, S-Video, Composite</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>597 x 401 x 100 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.1 kg</td>
</tr>
</tbody>
</table>

**19" HD type LCD monitor for Fujifilm Endoscope system**

**RADIANCE® HD 19" HD**
High-Definition, Full Multi-Modality

<table>
<thead>
<tr>
<th>Input signal</th>
<th>HD-SDI x 2, DVI-D, DVI-I, RGBs, YPbPr, S-Video, Composite, VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output signal</td>
<td>HD-SDI, DVI, RGBs, YPbPr/VGA, S-Video, Composite</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>465 x 400 x 98 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.8 kg</td>
</tr>
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</table>

**19" HD type LCD monitor with LED Backlight**

**ENDOVUE® HD 19" HD**

<table>
<thead>
<tr>
<th>Input signal</th>
<th>DVI-D, HD-SDI, (HD-)RGBs, (HD-)YPbPr, VGA, S-Video, Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>464.8 x 396.2 x 99 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>4.2 kg</td>
</tr>
</tbody>
</table>

Manufactured by NDS Surgical Imaging
info@ndssi.com
Monitors might not be available in all countries. Please check with your local partner.
Radiance monitors include Fujifilm BIOS for the best performance.
OUR COMMITMENT TO SERVICE

THINK GLOBALLY – ACT LOCALLY
Our service strategy aims for highest customer satisfaction by offering a comprehensive service and being closest to the local markets. Eight service centers with the headquarters in Willich (Germany) are spread over Europe and employ highly qualified in-house technicians and experts in the field service, allowing a faster and better coverage of all the customer needs.

OUR FULL COMPREHENSIVE SERVICE CONTRACT COVERS:

• In-house repair service
• All repair costs
• Highly qualified field service engineers
• Large variety of loan devices
• Maintenance service and damage prevention
• Support for reprocessing and on-site consulting

OUR SERVICE NETWORK
FUJIFILM, a pioneer in the field of diagnostic imaging and information systems for medical institutions, operates in about 55 group companies in Europe and employs over 4,000 people engaged in R&D, manufacturing, sales and service. Dialogue and continuous partnership have a special significance for us and at our locations.

Our products and technologies are constantly being developed in agreement with you to meet your specific needs. Your contact persons are available for you – no matter where you are. Living this kind of partnership inspires us to do all we can to make the world a little better.
## PRODUCT RECOMMENDATIONS

<table>
<thead>
<tr>
<th>Recommended endoscopes for different gastrointestinal segments</th>
<th>Diseases</th>
<th>Special endoscopes to cope with these diseases</th>
<th>Special features of the special endoscope</th>
<th>Endoscopes for further diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oesophagus</strong></td>
<td>Zenker diverticle</td>
<td>EG-760CT; EG-580RD; EG-530CT; EG-530D</td>
<td>WCH* 3.2; WCH 3.8; dual channel</td>
<td></td>
</tr>
<tr>
<td>EG-760R</td>
<td>Other oesophagus diverticle</td>
<td>EG-760CT; EG-530CT; EG-530D</td>
<td>WCH 3.8; dual channel</td>
<td></td>
</tr>
<tr>
<td>EG-760Z</td>
<td>Barrett oesophagus</td>
<td>EG-760CT; EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>EG-740N</td>
<td>Oesophagitis</td>
<td>EG-760CT; EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td></td>
</tr>
<tr>
<td>EG-760CT</td>
<td>Mallory Weiss syndrome</td>
<td>EG-760CT; EG-580RD</td>
<td>WCH 3.8; Smart Bend</td>
<td></td>
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<tr>
<td>EG-720R</td>
<td>Oesophagus varices</td>
<td>EG-760CT; EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-600WR</td>
<td>Tumors</td>
<td>EG-760CT; EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-580RD</td>
<td>Squamous cell carcinoma</td>
<td>EG-760CT; EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-580NW2</td>
<td>Achalasia/POEM</td>
<td>EG-760CT; EG-580RD</td>
<td>WCH 3.8; Smart Bend</td>
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<tr>
<td>EG-530CT</td>
<td>Stenosis</td>
<td>EG-740N; EG-580NW2; EG-530NP</td>
<td>Small outer diameter</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-530WR</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>EG-530D</td>
<td></td>
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<tr>
<td>EG-530NP</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Gastrointestinal</strong></td>
<td>Gastritis</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
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<tr>
<td>EG-760R</td>
<td>Dyspepsia</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
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<tr>
<td>EG-760Z</td>
<td>Ulcus ventriculi</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>EG-740N</td>
<td>Ulcus perforation</td>
<td>EG-760CT; EG-580RD; EG-530CT; EG-530D</td>
<td>WCH 3.2; WCH 3.8; dual channel</td>
<td></td>
</tr>
<tr>
<td>EG-760CT</td>
<td>Ulkus carcinomas</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-720R</td>
<td>Ulkus bleeding</td>
<td>EG-760CT; EG-580RD; EG-530D</td>
<td>WCH 3.8; WCH 3.2; dual channel</td>
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</tr>
<tr>
<td>EG-600WR</td>
<td>Gastro carcinomas</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>EG-580RD</td>
<td>Praekanzerosen</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>EG-580NW2</td>
<td>Stomach exit stenosis</td>
<td>EG-740N; EG-580NW2; EG-530NP</td>
<td>Small outer diameter</td>
<td></td>
</tr>
<tr>
<td>EG-530CT</td>
<td>Vessel aberration</td>
<td>EG-760CT; EG-530CT; EG-530D</td>
<td>WCH 3.8; dual channel</td>
<td>EG-580UT/UR</td>
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<tr>
<td>EG-530WR</td>
<td>Fundus varices</td>
<td>EG-580RD</td>
<td>Smart Bend</td>
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<tr>
<td>EG-530D</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EG-530NP</td>
<td></td>
<td></td>
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<tr>
<td><strong>Duodenum</strong></td>
<td>Duodenitis</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; (EI-580BT)</td>
<td>Magnification: high image quality (stabilised position)</td>
<td></td>
</tr>
<tr>
<td>EG-760R</td>
<td>Duodenal ulcer</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; (EI-580BT)</td>
<td>Magnification: high image quality (stabilised position)</td>
<td></td>
</tr>
<tr>
<td>EG-760Z</td>
<td>Coeliac disease</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; (EI-580BT)</td>
<td>Magnification: high image quality (stabilised position)</td>
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</tr>
<tr>
<td>EG-740N</td>
<td>Bleeding</td>
<td>EG-760CT; EG-580RD; (EI-580BT); EG-530CT; EG-530D</td>
<td>WCH 3.2; WCH 3.8; dual channel (stabilised position)</td>
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<tr>
<td>EG-760CT</td>
<td>Tumors</td>
<td>EG-760Z; EG-760R; EG-720R; EG-760CT; EG-600WR; (EI-580BT)</td>
<td>Magnification: high image quality (stabilised position)</td>
<td>EG-580UT/UR</td>
</tr>
</tbody>
</table>

* Working Channel
### Recommended endoscopes for different gastrointestinal segments

<table>
<thead>
<tr>
<th>Diseases</th>
<th>Special endoscopes to cope with these diseases</th>
<th>Special features of the special endoscope</th>
<th>Endoscopes for further diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Small Intestine</strong></td>
<td></td>
<td></td>
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<tr>
<td>Tumors of the small intestine</td>
<td>EN-580T</td>
<td>Bigger working channel</td>
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<tr>
<td>Erosive and ulcerated defects</td>
<td>EN-580XP</td>
<td>Small outer diameter</td>
<td></td>
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<tr>
<td>Bleeding</td>
<td>EN-580T</td>
<td>Bigger working channel</td>
<td></td>
</tr>
<tr>
<td>Vessel anomaly</td>
<td>EN-580T</td>
<td>Bigger working channel</td>
<td></td>
</tr>
<tr>
<td><strong>Biliary Tract and Pancreas</strong></td>
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<td></td>
</tr>
<tr>
<td>Bile duct stones</td>
<td>EI-580BT; ED-580XT; ED-530XT8</td>
<td></td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>Cholelithiasis</td>
<td>EI-580BT; ED-580XT; ED-530XT8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postoperative alterations</td>
<td>EI-580BT; ED-580XT; ED-530XT8</td>
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</tr>
<tr>
<td>Malignant stenosis</td>
<td>EI-580BT; ED-580XT; ED-530XT8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tumors of the papilla</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; EI-580BT; ED-580XT; ED-530XT8</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>Environmental Tumors</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; EI-580BT</td>
<td>Magnification: high image quality</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>Infections</td>
<td>EG-760Z; EG-760R; EG-720R; EG-600WR; EI-580BT</td>
<td>Magnification: high image quality</td>
<td></td>
</tr>
<tr>
<td><strong>Colon</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorectal polyps</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification; Smart Bend</td>
<td></td>
</tr>
<tr>
<td>Flat adenomas</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td></td>
</tr>
<tr>
<td>Malignant Tumors</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td>EG-580UT/UR</td>
</tr>
<tr>
<td>Intestinal inflammation</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td></td>
</tr>
<tr>
<td>Irritable bowel syndrome</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td></td>
</tr>
<tr>
<td>Ulcerative colitis</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td></td>
</tr>
<tr>
<td>Crohn's disease</td>
<td>EC-760ZP-VM/VL; EC-760R-VM/VL; EC-740TM/TL; EC-720RM/RI/RL; EC-600WM/WI/WL</td>
<td>High image quality; magnification</td>
<td></td>
</tr>
<tr>
<td>Hemorrhoids</td>
<td>2 endoscopes prepared</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anal diseases</td>
<td>EC-760P-VM/VL; EC-740TM/TL; EC-580RD L</td>
<td>Smart Bend</td>
<td></td>
</tr>
</tbody>
</table>

All endoscopes are compatible with the video processors ELUXEO™ 7000 system, ELUXEO™ Lite EP-6000 and EPX-3500HD. All endoscopic ultrasonography systems are compatible with processor SU1.

This overview contains selected information and recommendations and does not purport to be complete.