DISCOVER LIGHT ENHANCED ENDOSCOPY
Fujifilm is a pioneer in diagnostic imaging and information systems for healthcare facilities. We are constantly refining our clinically-proven products and technologies to help medical professionals perform their work more effectively and efficiently, setting new standards in endoscopy.
CONTENT

About Fujifilm 2
Multi Light™ technology 4–7
Optical magnification for detailed characterisation 8–9
Optimised handling 10–11
CMOS technology 12–13
700 series scopes 14–19
7000 endoscopy system 20–22
Service commitment 23
THE NEW DEFINITION OF LIGHT:
MULTI LIGHT™ TECHNOLOGY
SEE MORE. DETECT MORE.
Achieving optimal diagnostic and therapeutic results in endoscopic procedures is highly dependent on image quality. As the world’s largest imaging company, our long-standing experience in medical imaging has allowed Fujifilm’s engineers to develop Multi Light™ technology, fulfilling the need for improved visualisation in endoscopy – today and in the future.

This new 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 the new 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 four 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 Imaging and the observation modes LCI (Linked Colour Imaging) and BLI (Blue Light Imaging). With the involvement of numerous clinical experts, the ideal composition of four 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 FOUR LEDS**

**WHITE LIGHT IMAGING**

**LCI MODE**

**BLI MODE**

**WHITE LIGHT IMAGING**

The new endoscopic system provides superior image quality in terms of sharpness and brightness to gather optimal visual information for diagnostic and therapeutic procedures in daily clinical practice.
**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.

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**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.
135 x MULTI ZOOM
FOR DETAILED CHARACTERISATION
The easy-to-control Step Zoom function supports efficient work of the optical zoom with a simple press of a button. Users are able to choose between the 2-, 3- or 5-Step modes or continuous zoom mode to meet individual needs and adjust to the preferred setting for the endoscopic procedure.

Fujifilm’s unique Multi Zoom serves with a maximum optical magnification of 135 x to provide a highly detailed image of the mucosal surface and vascular patterns.

**OPTICAL MAGNIFICATION**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Magnification setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Step Zoom</td>
<td>Normal (about 60 x)</td>
</tr>
<tr>
<td></td>
<td>Low (about 85 x)</td>
</tr>
<tr>
<td>3-Step Zoom</td>
<td>Middle (about 100 x)</td>
</tr>
<tr>
<td>5-Step Zoom</td>
<td>High (about 135 x)</td>
</tr>
<tr>
<td>Continuous Zoom</td>
<td>Maximum (135 x)</td>
</tr>
</tbody>
</table>

EG-760Z video gastroscope and EC-760ZP video colonoscope are equipped with the Multi Zoom function.

**SMOOTH OPERATION**

The location of the switch button on the endoscope has been optimised. Due to improved ergonomic design, switching to the next zoom level is even easier and more straightforward, facilitating precise and comfortable manoeuvrability of the endoscope.
OPTIMISED HANDLING
PLUG IN AND PROCEED
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.

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.

Each 700 series endoscope displays the information required to choose compatible accessories, which helps to facilitate on-the-spot decision making.
CMOS TECHNOLOGY
BRILLIANCE RIGHT FROM THE TIP
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 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 an outstanding high-resolution image quality and smooth moving images with dramatically reduced blurring.
GASTROENTEROLOGY

700 SERIES ENDOSCOPES
FOR COMFORTABLE EXAMINATIONS

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

red dot design award winner 2017
**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.

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

This zoom gastroscope features the well-known 135 x 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.

**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.
**UPPER GI ENDOSCOPY**

**NEW**

**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.

**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.

**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.
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.

**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.

**ELUXEO™ Video Colonoscope EC-760ZP-VM / VL Optical Magnification**

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.
LOWER GI ENDOSCOPY

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

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-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, allowing treatment of difficult-to-reach lesions.

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**UP TO 210°**

Smart bend colonoscope

Colonoscope without smart bend
Fujifilm’s renowned ColoAssist has been optimised for the ELUXEO™ 700 series colonoscopes and now includes the Flexibility Adjuster for easier insertion in addition to advanced force transmission and adaptive bending.

**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 follow the intestinal tract more smoothly.

**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.
SUPERIOR ENDOSCOPIC SYSTEM
WITH MULTI LIGHT™ TECHNOLOGY

Design Award Winner
ELUXEO™ BL-7000 and VP-7000

ELUXEO™ 7000
VIDEO PROCESSOR VP-7000

LIGHT SOURCE BL-7000

GASTROENTEROLOGY
The ELUXEO™ endoscopy system provides a unique and outstanding solution that combines superior illumination with excellent operational modalities. Its 4-LED Multi Light™ technology makes it an eco-friendly system with longer durability that is designed to optimise daily practice.

### 4-LED MULTI LIGHT™ SOURCE WITH HIGH DURABILITY

**ELUXEO™ BL-7000**

A reliable light source is a prerequisite for use in large clinics as well as smaller outpatient centres to ensure procedures can take place as scheduled. To achieve the highest standards, the eco-friendly ELUXEO™ 7000 system features the innovative 4-LED Multi Light™ Source, which outperforms conventional Xenon or Halogen light sources: With a 10,000 hours¹ average life expectancy of the LED lights, the ELUXEO™ system has a far longer durability while having a much lower energy consumption, resulting in a better cost-efficiency.

<table>
<thead>
<tr>
<th>Life expectancy in hours¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED lamp</td>
</tr>
<tr>
<td>Xenon lamp</td>
</tr>
<tr>
<td>Halogen lamp</td>
</tr>
</tbody>
</table>

Our confidence in the ELUXEO system BL-7000 is reflected by Fujifilm’s **Durability Warranty**, which covers any defect of the LED light source unit that is attributable to a manufacturing or assembly fault under normal use for a period of five years or 10,000 operating hours, whichever comes first.²

### HIGH PERFORMANCE VIDEO PROCESSOR

**ELUXEO™ 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 BLI and LCI. 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.

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¹ Based on Fujifilm’s recommended conditions.
² This Warranty is only valid according to the terms and conditions of the Durability Warranty Policy.
**EXCELLENT MONITOR**

**RADIANCE® ULTRA 27"**

The Radiance® Ultra 27" LED backlight is the brightest in the industry\(^1\), providing a typical luminance of 900 cd/m\(^2\) at 6500K colour temperature. This provides improved visualisation in high ambient light environments by overcoming glare and reflection. It also increases the usable contrast ratio and enhances visualisation of recessed anatomy. Proprietary Medi-Match™ colour calibration in combination with the Intelliguard™ backlight stabilisation system delivers superior image consistency from one display to the next, over years of continuous operation. It has a user friendly design that makes it quick and easy to clean, for easy control of infection and enhanced clinical efficiency.

<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>

\(^1\) The highest output luminance at the industry standard colour temperature of 6500K.

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 SERVICE COMMITMENT

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

[Map showing service locations]