FUJIFILM
Value from Innovation

DUOMED
by Palex

ELUXEO® ED-840T

Video Duodenoscope

ELUXEO® ED-840T

Introducing our advanced generation ELUXEO® duodenoscope

Welcome to a new era of duodenoscopes by Fujifilm.

Carefully engineered to work in harmony with endoscopists, Fujifilm's ED-840T is designed to enhance diagnostic precision by providing high-resolution endoscopic imaging within the clinical workflow, whilst optimising infection control for patients.

HIGH-PERFORMANCE INSERTION SECTION

NEWLY DESIGNED ELEVATOR

INCREASED INSTRUMENT CHANNEL

Supporting high-performance

With a newly developed, high-performance insertion section, the latest generation ELUXEO® duodenoscope offers advanced force transmission and increased manoeuvrability.

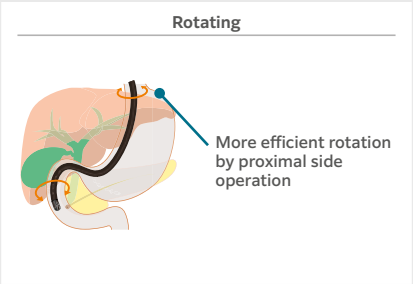
Greater control for endoscopists

A newly designed elevator with G-Lock® mechanism now allows enhanced manipulation of endotherapeutic devices, giving clinicians greater control and flexibility during procedures.

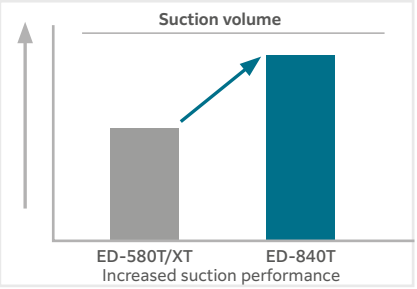
New possibilities

Uncovering new possibilities for Hepato-Pancreato-Biliary (HPB) interventional therapy, Fujifilm's next generation duodenoscope has an increased instrument channel size, featuring a 4.5 mm instrument channel, whilst maintaining a slim 13.1 mm* distal end diameter. Endoscopy professionals can now explore new opportunities with advanced technology that accommodates the use of larger endotherapeutic devices and offers increased suction capabilities.

Interventional Therapy: Insertion performance & manoeuvrability
ED-840T has an atraumatic, slim, tapered distal end cap for smooth patient intubation. Advanced force transmission provides increased control of the endoscope by efficient transmission of rotation.



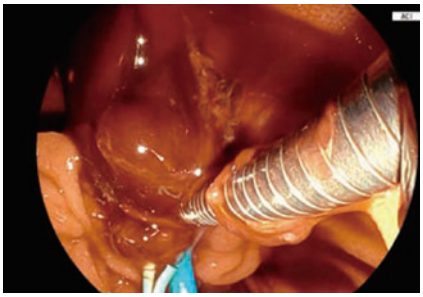
Enlarged 4.5 mm instrument channel
The ED-840T incorporates a large 4.5 mm instrument channel that can accommodate large endotherapeutic devices whilst increasing suction performance.



Comparison between the ED-580T/XT and the ED-840T duodenoscope suction volume when the distal end is immersed with a 3.9 mm diameter endotherapeutic device inserted into the instument channel.

* Maximum distal end diameter with cap 15.4 mm

Increased manipulation of endotherapeutic devices
The redesigned elevator allows for a greater range of instrument control.

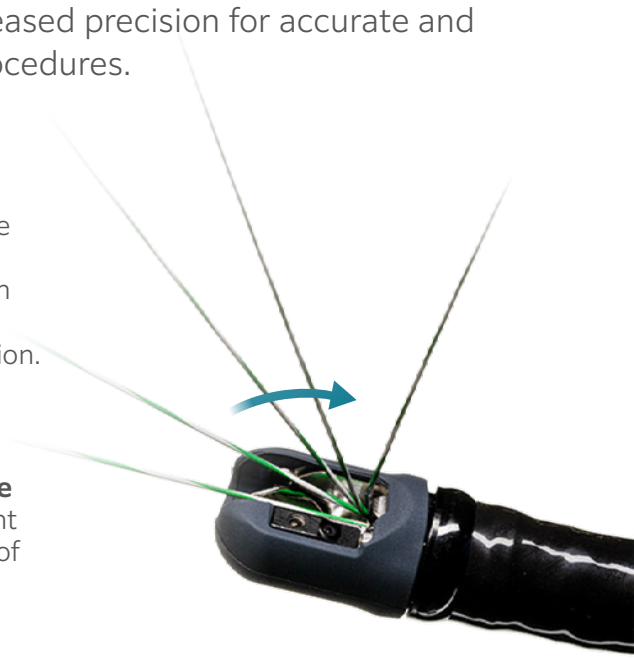


G-Lock® guide wire locking mechanism

The newly designed elevator mechanism increases the range of motion and the angle at which endotherapeutic devices can exit the instrument channel, allowing the operator to significantly change the angle of approach to the device. Moreover, the movement of the control lever is transmitted to the device, with increased precision for accurate and precise positioning of the instrument during clinical procedures.

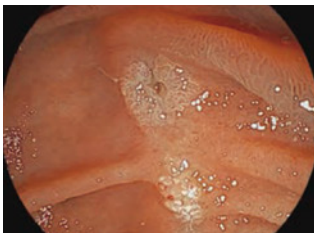
Efficiency and precision
Experience an increased elevation force when using the elevator featuring a specially designed G-Lock® mechanism that allows guide wires to be fixed into position with precision.

Ease of use and maintenance
Featuring a 4.5 mm instrument channel for smooth insertion of endotherapeutic devices, the ED-840T facilitates the rapid exchange of the instrument during procedures. A single use distal attachment cap has been developed to support efficient cleaning and time between procedures.

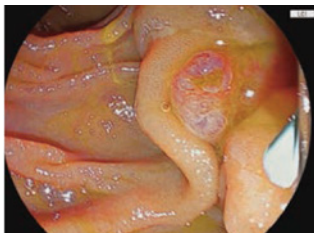


High resolution endoscopic image & BLI/LCI/ ACI technology

LCI (Linked Color Imaging), BLI (Blue Light Imaging) and ACI* (Amber-red Color Imaging) technologies are incorporated.

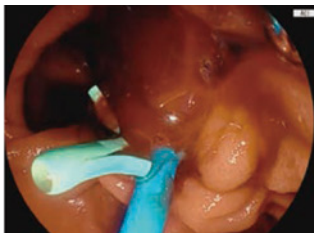


High resolution image



LCI image

BLI image

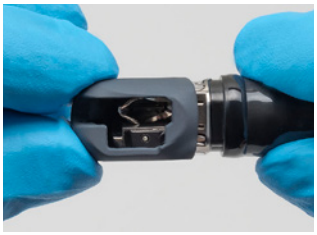


ACI image

Single-use distal end cap

Sterilised dedicated distal end cap has been developed.

Attachment of distal end cap



Attach the distal end cap until the installation groove of the distal end is hidden completely.

Make sure that the distal end cap is attached tightly by pulling it straight.

Detachment of distal end cap

Turn over a portion of the distal end cap near the instrument channel outlet.

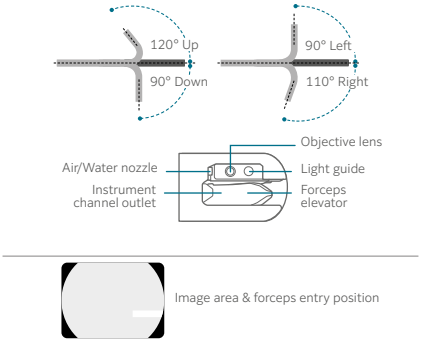
Pull the distal end cap straight out.

* ACI technology is available with the combination of EP-8000 only.

ED-840T ELUXEO® VIDEO ENDOSCOPE

This video duodenoscope of the ELUXEO® 800 series is equipped with a high sensitivity CMOS sensor. It utilises a specially designed G-Lock® elevator, enabling the guide wire to be simply and precisely fixed into position. It is also featuring a 4.5 mm increased instrument channel.

Viewing direction	105° (retro-viewing 15°)
Field of view	100°
Observation range	4 – 60 mm
Bending capability	Up 120°/Down 90° Right 110°/Left 90°
Ø Distal end	13.1 mm
Max. Ø of insertion portion*	15.4 mm
Ø Insertion tube	11.3 mm
Min. Ø of instrument channel	4.5 mm
Working length	1,250 mm
Total length	1,550 mm



VALVES for G7 control portion

Product code	Material code	Characteristics	Compatible endoscope	Unit
SB-605	16518762	Suction valve, reusable	Fujifilm endoscopes with G7 grip	2
AW-603	16518748	Air/Water valve, reusable	Fujifilm endoscopes with G7 grip	2
AW-604G	16578267	Gas/Water valve, reusable	Fujifilm endoscopes with G7 grip	1

*The diameter of the insertion portion is at its maximum when the distal end cap is attached.

CLEANING BRUSHES

Product code	Material code	Where to use	Characteristics
WB7025DC	16560832	Instrument channel	②
WB11003DV	16560820	Suction valve cylinder, Air/Water valve cylinder	②
WB1318DE	16556623	Distal end, Forceps elevator	②

WB7025DC

WB11003DV

DC-840D DISTAL END CAP

Product code	Material code	Characteristics	Compatible endoscope	Unit
DC-840D	16845452	②	ED-840T	20

DC-840D

DUOMED by Palex

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