OLYMPUS

EVIS LUCERA ELITE

EVIS LUCERA ELITE Videocholangioscope

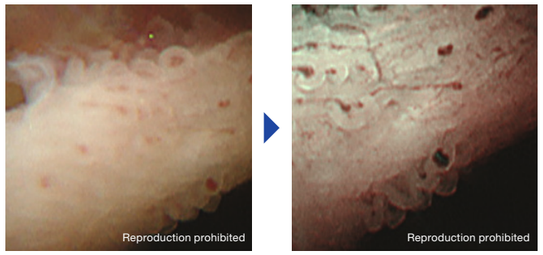
CHF-B290

New Cholangioscope with Wide Depth of Field and High Image Quality

Outstanding Observation Capability and Durability

Pancreaticobiliary Endoscopy with High Image Quality Supports Reliable Diagnosis and Treatment

Enhanced Near-Point Image Quality and NBI Facilitate Highly Accurate Diagnosis



White light

NBI

White light

NBI

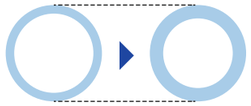
Depth of Field from 1.5–20 mm

During pancreaticobiliary endoscopy, images may go out of focus as the observation target is too close in the narrow lumen. The new CHF-B290 optimizes the optical system to provide a wider field of view that ranges from as close as 1.5 mm to as far as 20 mm, enhancing near-point image quality and assuring sharp images at all points in the endoscopic image. This helps to accurately observe microscopic mucosal patterns. In addition, the CHF-B290 is fully compatible with NBI (Narrow Band Imaging), an advanced imaging technology that improves the visibility of blood vessels and mucosal structures, supporting highly accurate diagnosis of the pancreaticobiliary system.

High Durability and Maneuverability Ensure Reliable Procedures

Rubber in Bending Section Is Significantly Strengthened

The rubber in the bending section is about twice as thick compared to the CHF-B260, while maintaining the same outer diameter.
(CHF-B260 may not be available in some areas.)



The rubber on the inside is about twice the thickness while keeping the same outer diameter.

High Durability and Maneuverability

Flexible Portion

Designed to endure leakage, the highly durable flexible portion provides maximum bending flexibility.

Automatic Bending in Bending Section

Advanced passive bending technology automatically bends the bending section to the right or left as required. This helps to reduce stress on the bending section by making passage smooth when inserted into or removed from the duodenoscope.

Channel Inner Diameter Is Expanded

While the outer diameter of the CHF-B290's distal end has been reduced to 3.3 mm, the inner diameter of its instrument channel has been expanded to 1.3 mm. This reduces friction and improves insertability when being inserted or withdrawn, while minimizing resistance in the instrument channel. The larger channel also provides about 1.2 times the irrigation volume of the CHF-B260 without inserted forceps, and about 10 times with inserted forceps. (CHF-B260 may not be available in some areas.)

Irrigation Volume Comparison between CHF-B290 and Conventional CHF-B260 with Inserted Forceps

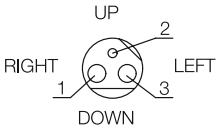
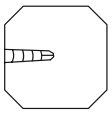
More Resistance to Buckling and Improved Force Transmission during Scope Insertion or Withdrawal

The new design and materials used in the insertion tube have made it more resistant to wrinkling and buckling when inserted into the duodenoscope. In addition, force transmission to the distal end when inserting or withdrawing the scope has also been improved.

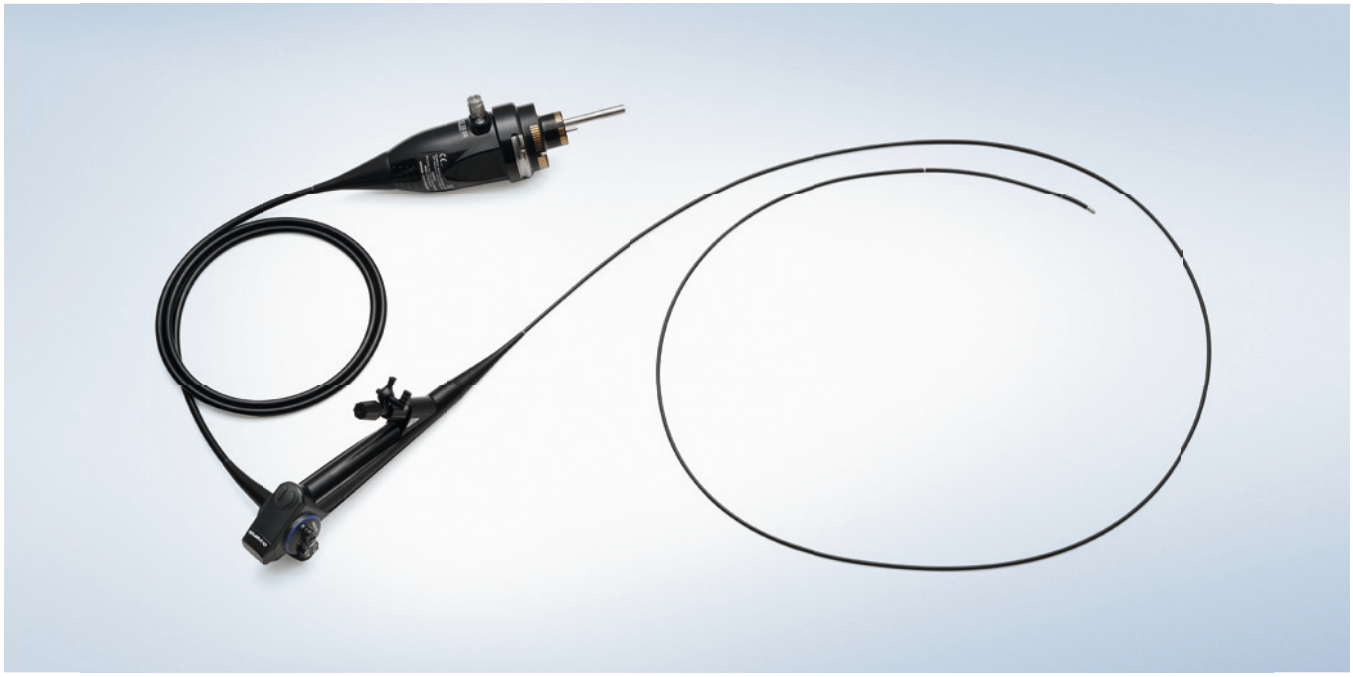
CHF-B290

Specifications

CHF-B290 Videocholangioscope

Optical System	**Field of view**	80°
	Direction of view	0° (Forward viewing)
	Depth of field	1.5 - 20 mm
Insertion Section	**Distal end outer diameter**	3.3 mm
	Distal end enlarged **1. Objective lens** **2. Light guide lens** **3. Instrument channel**	
	Insertion tube outer diameter	ø3.53 mm (from the distal end to 1,390 mm) ø3.75 mm (proximal side from 1,390 mm)
	Working length	1,920 mm
Instrument Channel	**Channel inner diameter**[1]	ø1.3 mm
	Minimum channel inner diameter	ø1.23 mm
	Minimum visible distance[2]	2 mm
	Direction from which EndoTherapy accessories enter and exit the endoscopic image	
Section Bending	**Angulation range of bending section**	UP: 70° DOWN: 70°
Total Length		2,220 mm

[1] Nominal value [2] Distance from the distal end



OLYMPUS

OLYMPUS EUROPA SE & CO. KG
Postbox 10 49 08, 20034 Hamburg, Germany
Wendenstrasse 14-18, 20097 Hamburg, Germany
Phone: +49 40 23773-0, Fax: +49 40 233765
www.olympus-europa.com

M00227EN · 11/19 · OEKG