

# OLYMPUS®

Your Vision, Our Future

## EVIS LUCERA ELITE

EVIS LUCERA ELITE COLONOVIDEOSCOPE

### PCF-H290ZL/I

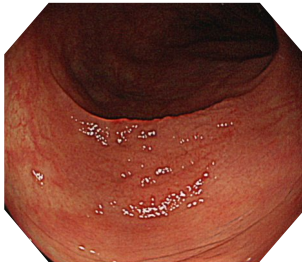
High-definition optical magnification combined with enhanced maneuverability



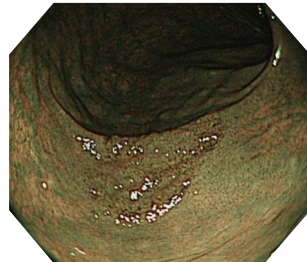
## Main Features

### HDTV and NBI (Narrow Band Imaging)

With its HDTV image quality, the PCF-H290ZL/I enables clear views of the mucosal surface. Combined with the brighter NBI, mucosal tissue and capillary networks are enhanced, to further support detailed observation.



White Light

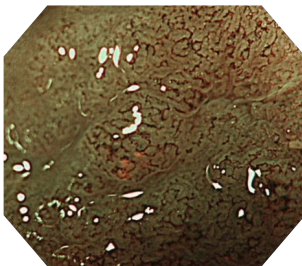


NBI

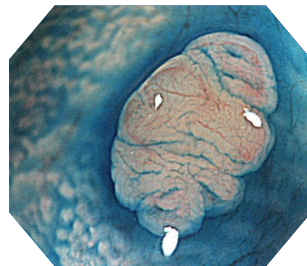
### High Optical Magnification in a Slim Diameter

While maintaining a slim outer diameter, the PCF-H290ZL/I provides 110x\* optical magnification. The high optical magnification may contribute to the detection/diagnosis of the lesions.

\*When using HIGH DEFINITION LCD MONITOR OEV262H



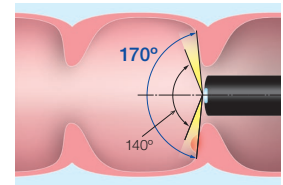
Optical zoom + NBI



Optical zoom + Dye spray

### Wide Viewing Angle

A 170° wide-angle field of view is now achieved. This can help physicians to detect mucosal changes more rapidly with less need for angulation.



### RIT (Responsive Insertion Technology)

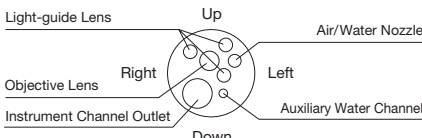
RIT combines three proprietary insertion tube technologies in EVIS LUCERA ELITE 290 Series scopes. These technologies are designed to facilitate complete colonoscopies by improving scope handling, insertability and ergonomics.

### Waterproof One-touch Connector

The new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.



## Specifications

|                   |                                                                                     |                                       |
|-------------------|-------------------------------------------------------------------------------------|---------------------------------------|
| Optical System    | Field of view                                                                       | Wide: 170°/Tele: 85°                  |
|                   | Direction of view                                                                   | Forward viewing                       |
|                   | Depth of field                                                                      | Wide: 7 to 100 mm/<br>Tele: 1 to 2 mm |
| Insertion Section | Distal end outer diameter                                                           | 11.7 mm                               |
|                   | Distal end enlarged                                                                 |                                       |
|                   |  |                                       |
|                   | Insertion tube outer diameter                                                       | 11.8 mm                               |
|                   | Working length                                                                      | L: 1680 mm I: 1330 mm                 |
|                   |                                                                                     |                                       |

|                               |                                                                                                                         |                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Instrument Channel            | Channel inner diameter                                                                                                  | 3.2 mm                                                                                |
|                               | Minimum visible distance                                                                                                | 3.0 mm from the distal end                                                            |
| Instrument Channel            | Direction from which endotherapy accessories enter and exit the endoscopic image                                        |  |
| Water Jet Channel             | Direction from which the water jet enter in the endoscopic image                                                        |  |
| Bending Section               | Angulation range                                                                                                        | Up 180°/Down 180°/<br>Right 160°/Left 160°                                            |
| Total Length                  | L: 2005 mm I: 1655 mm                                                                                                   |                                                                                       |
| Compatible EVIS LUCERA System | EVIS LUCERA ELITE VIDEO SYSTEM CENTER OLYMPUS CV-290<br>EVIS LUCERA ELITE XENON LIGHT SOURCE OLYMPUS CLV-290SL, CLV-290 |                                                                                       |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.