



Main Features

- Narrow Band Imaging combined with high-resolution HDTV imaging* enhances observation of the mucosa and capillaries.

* Available only in combination with the CV-180, CLV-180 (CLV-160), and OEV191H.

- Close Focus enables an enlarged, close-up image to be obtained simply by moving the scope tip up to 2 mm from the site.

- Slim design with a diameter of 11.7 mm at the distal end and 11.8 mm at the insertion tube, incorporating a channel with 3.2 mm inner diameter for treatment and suction.

- Highly acclaimed innoflex Variable Stiffness capability enables insertion tube flexibility to be adjusted according to the patient's anatomy.

- Wide 140° degree field of view and extensive four way angulation (180° degree up/down and 160° degree right/left) for observation through all the contours of the colon.

- Auxiliary water jet enables mucus and debris in the colon to be washed away at a touch of a button on the scope or on the footswitch unit when the optional flushing pump is connected.



- Ergonomically designed grip enhances scope maneuverability while easy-to-access controls and user programmable switches improve operability.

- Compatible with the CV-180.

- Scope ID function stores individual scope information in the built-in memory chip and displays it on the monitor, facilitating endoscopy suite management.

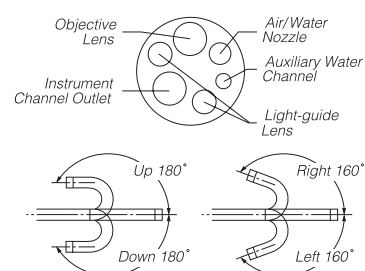


Start-up display



Specifications

Optical System	Field of view	140°
	Direction of view	Forward viewing
	Depth of field	2 to 100 mm
Distal End	Outer diameter	11.7 mm
	Outer diameter	11.8 mm
Bending Section	Angulation range	Up 180°, Down 180°, Right 160°, Left 160°
Working Length		L:1680 mm, I:1330 mm
Total Length		L:2005 mm, I:1655 mm
Instrument Channel	Inner diameter	3.2 mm
	Minimum visible distance	3 mm from the distal end
	Endotherapy accessory entrance/exit position in field of view	



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



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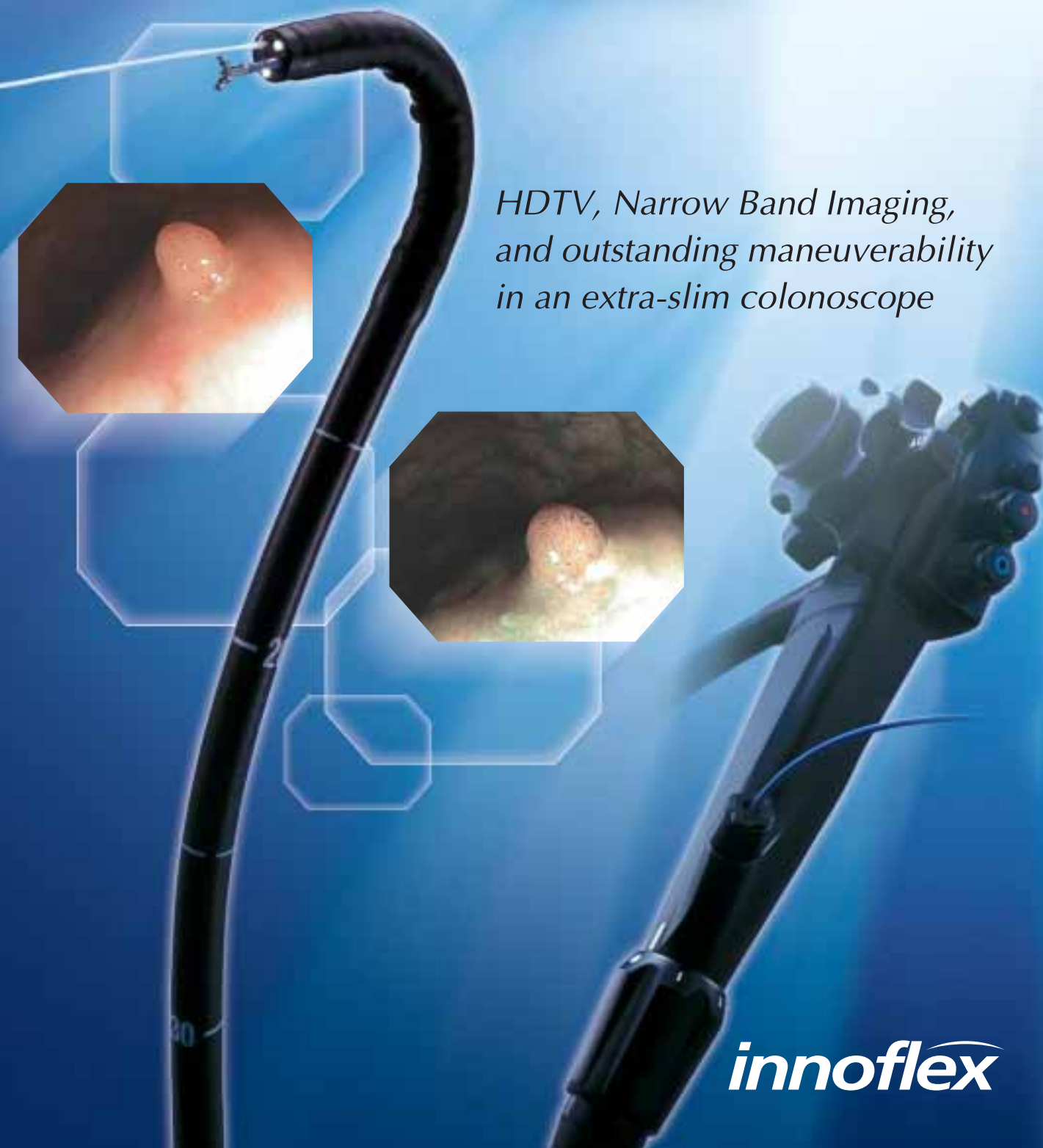


Your Vision, Our Future

EVIS EXERA II COLONOVIDEOSCOPE
OLYMPUS PCF TYPE H180AL/I



*HDTV, Narrow Band Imaging,
and outstanding maneuverability
in an extra-slim colonoscope*



innoflex

High-definition pictures, Narrow Band Imaging, Close Focus, and more — Never before has a colonoscope this slim incorporated imaging capabilities this advanced.

Thanks to its high-definition HDTV image sensor, this scope provides clear and detailed images, while Narrow Band Imaging (NBI) illuminates mucosal and vascular patterns that would be difficult to distinguish. There's even a Close Focus function for up-close viewing with no loss of resolution. Incredibly, the PCF-H180AL/I still maintains a remarkably slim design and it gives the exceptional insertion capability needed to support its outstanding imaging performance.

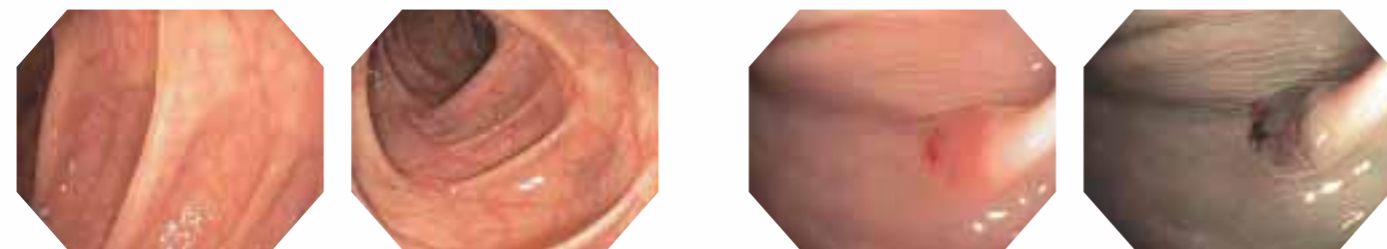


■ Ultrahigh-quality HDTV images

With spatial resolution and color quality, HDTV's dramatically enhanced images are ideal for endoscopic applications. Thanks to its built-in HDTV-compatible CCD, the PCF-H180AL/I can capture brilliant HDTV images when combined with the CV-180 processor and deliver them to a monitor such as the dedicated OEV191H LCD monitor, where they can be reproduced with super-sharp clarity and precision color.

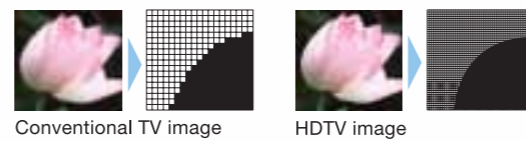
■ Narrowband light highlights mucosal and vascular patterns

Narrow Band Imaging (NBI) enhances the observation of capillaries in high contrast to the surrounding mucosa and may emphasize mucosal patterns in the lower gastrointestinal tract. NBI's effectiveness is further enhanced by its combination with HDTV, which may improve visibility and make it even easier to identify suspicious areas.



What is HDTV?

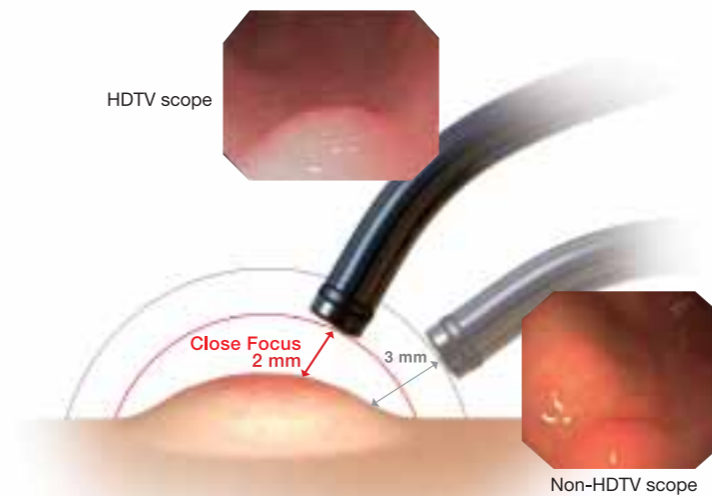
HDTV — or high-definition television — offers image quality comparable to film and all the convenience and flexibility of conventional video. With 1,080 effective scanning lines of picture information, compared to 480 for NTSC and 576 for PAL, HDTV delivers picture quality that is more than twice as good as conventional TV. Increased pixel density produces a smooth clear picture whose remarkable detail, and natural colors are unmarred by the pixelation seen in lower-resolution images. This superb quality and realism makes HDTV ideal for demanding imaging applications such as endoscopy.



Note: The images shown above are simulated pictures.

■ Close Focus magnification for more detailed observation

Thanks to its extended depth of field and enhanced optical system, the PCF-H180AL/I can be brought as close as 2 mm to the site while maintaining razor-sharp clarity, giving you the same results you would get from electronic magnification. Since there is no loss of resolution, this convenient function is ideal for viewing mucosal morphologies and capillaries.



■ Auxiliary water jet facilitates mucosal observation

Maintaining a continuously clear view ensures effective observation and may increase diagnostic yield. When the optional flushing pump is connected, the auxiliary water jet can help to maintain a clear view by quickly removing mucus and debris at the touch of a button on the scope or the footswitch unit.

■ Olympus innoflex Variable Stiffness design

At just 11.8 mm in diameter, the PCF-H180AL/I's insertion tube is remarkably slim and boasts exceptional insertion capabilities. Those capabilities are further enhanced by Olympus' highly praised Variable Stiffness insertion tube design, which allows the insertion tube's flexibility to be adjusted as required to optimize insertion.

