

# OLYMPUS

Your Vision, Our Future

## EVIS EXERA III

### CF-HQ190L/I

Amazing image quality and handling for colonoscopy.



## Main features

### RIT (Responsive Insertion Technology)

RIT combines three proprietary insertion tube technologies: HFT (High Force Transmission), PB (Passive Bending) and variable stiffness. These technologies are designed to facilitate complete colonoscopies by improving scope handling, insertability and ergonomics. PB helps EVIS EXERA III 190 series scopes move through acute bends in the colon. HFT provides improved operator control for both pushing and twisting manoeuvres. Variable stiffness allows the physician to adjust the rigidity of OLYMPUS scopes as needed, by simply turning an adjustment ring on the scope control section.



Normal focus mode  
Image courtesy of Roy Soetikno, MD

### Dual focus

Dual focus, a unique OLYMPUS optical innovation, allows the user to select between two focus settings. With the simple push of a scope button, the desired depth of field for optimal observation can be selected – near field or normal field.



Near focus mode  
Image courtesy of Roy Soetikno, MD

### NBI (Narrow Band Imaging)

NBI in EVIS EXERA III 190 series scopes provides twice the viewable distance of EVIS EXERA II 180 series scopes and offers much greater contrast between blood vessels and mucosa. The greatly improved performance of NBI opens up exciting new clinical applications and reinforces NBI's position as the standard of care for GI endoscopy.



NBI  
Image courtesy of Roy Soetikno, MD

### Enhanced image quality

A new level of resolving power is achieved owing to a new optical system. Significantly less halation and noise is visible on screen.

### ScopeGuide

ScopeGuide is an integrated technology in EVIS EXERA III 190 series HQ colonoscopes. ScopeGuide provides real-time 3D visualisation of scope position and configuration. This new level of visualisation provides physicians with the ability to recognize loops as they form, potentially leading to shorter insertion time and less patient discomfort.



ScopeGuide  
Image courtesy of Roy Soetikno, MD

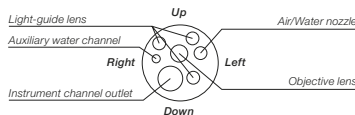
### Waterproof One-touch Connector

A new connector design minimises the effort required for set-up 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

<b>Optical system</b>	Field of view	Normal 170°	Near 160°
	Direction of view	Forward viewing	
	Depth of field	Normal 5-100 mm	Near 2-6 mm
<b>Insertion section</b>	Distal end outer diameter	13.2 mm	
	Distal end enlarged		
<b>Instrument channel</b>	Channel inner diameter	3.7 mm	
	Minimum visible distance	4.0 mm (normal) from the distal end	
	Direction from which endotherapy accessories enter and exit the endoscopic image		
	Insertion tube outer diameter	12.8 mm	
	Working length	L: 1680 mm, I: 1330 mm	



<b>Bending section</b>	Angulation range	Up 180°
		Down 180°
		Right 160°
		Left 160°
<b>Total length</b>	L: 2005 mm, I: 1655 mm	
<b>Compatible EVIS EXERA system</b>	Video system center OLYMPUS CV-190 Xenon light source OLYMPUS CLV-190	

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