

Bronchovideoscope  
**BF-1TH1200**

Maximised Performance with Native HDTV Image Quality for Therapeutic Bronchoscopy



## HDTV Image Quality with 5.8 mm Diameter

The BF-1TH1200 bronchovideoscope is the first model<sup>1</sup> with a native HDTV image quality compatible with 3.0 mm instrument channel. Even more impressively, we were able to achieve this with a 5.8 mm distal end diameter.

## 3.0 mm Therapeutic Instrument Channel

The large 3.0 mm instrument channel facilitates the use of a broad selection of EndoTherapy devices while providing strong suction performance.

## Excellence in Ease of Use

Based on technologies which made its predecessor a highly valued tool in bronchoscopy, the BF-1TH1200 features a rotatable insertion tube that turns 120° in either direction for easier targeting and delivery or withdrawal of EndoTherapy devices.<sup>2</sup> A waterproof one touch connector enables quicker connection of the endoscope to the system.



## Observation Modes

### TXI (TeXture and color enhancement Imaging)<sup>3</sup>

Delivering a new ease and clarity of observation by utilizing brightness, tissue texture and color differentiation. Bronchoscopy is enhanced by a combination of brightness correction of the dark image areas and an accentuation of the observed tissue texture.

### NBI (Narrow Band Imaging)<sup>4</sup>

The proven imaging technology helps physicians to inspect suspicious lesions. During endoscopic observation, NBI enhances the visualization of the capillary network and mucosal morphology.

### RDI (Red Dichromatic Imaging)<sup>3</sup>

Enhances the visualization of vessels in deeper layers of the mucosa. By using narrow bands of the red part of the light spectrum (long wavelength bands of 600 nm and 630 nm) which penetrate deeper into the mucosa, deep vessels can be displayed in stronger contrast and hence are better visualized.

<sup>1</sup> Bronchoscopes manufactured by Olympus

<sup>2</sup> Olympus EVIS LUCERA ELITE BF-1TQ290 bronchovideoscope

<sup>3</sup> Requires EVIS X1 CV-1500 video system center

<sup>4</sup> Requires EVIS X1 CV-1500, CV-290 video system center

Specifications		
<b>Optical System</b>	Field of view	120°
	Direction of view	Forward viewing
	Depth of field	3-100 mm
<b>Insertion Tube</b>	Distal end outer diameter	5.8 mm
	Distal end enlarged	
<b>Instrument Channel</b>	Insertion tube outer diameter	6.1 mm
	Working length	600 mm
	Insertion tube rotation function	Yes
	Channel inner diameter	3.0 mm
	Minimum visible length	3.0 mm from the distal end
<b>Bending Section</b>	Direction from which EndoTherapy accessories enter and exit the endoscopic image	
	Angulation range	Up 180° / Down 130°
<b>Electrocautery Instrument Compatibility</b>		Yes
	<b>Laser Compatibility</b>	Nd:YAG
<b>Compatible Systems</b>		Olympus EVIS X1 CV-1500 video system center
		Olympus EVIS LUCERA ELITE CV-290 video system center
		Olympus EVIS LUCERA ELITE CLV-290SL,
		CLV-290 xenon light source



Olympus BF-1TH1200 bronchovideoscope

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