

Bronchovideoscope
BF-1TH1100

Maximised Performance for Therapeutic Bronchoscopy



5.8 mm Diameter with HDTV Image Quality

The distal end diameter of the BF-1TH1100 bronchovideoscope has been reduced from the 6.2 mm of its predecessor¹ to 5.8 mm without compromising the native HTDV image quality.

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 stronger suction performance compared to the 2.8 mm instrument channel diameter of the predecessor.¹

Excellence in Ease of Use

Based on technologies which made its predecessor a highly valued tool in bronchoscopy, the BF-1TH1100 features a rotatable insertion tube that turns 120° in either direction for easier targeting and delivery or withdrawal of EndoTherapy devices.¹ A waterproof one touch connector enables quicker connection of the endoscope to the system.



Observation Modes

TXI (TeXture and color enhancement Imaging)²

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)³

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)²

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.

¹ Olympus EVIS EXERA III BF-1TH190 bronchovideoscope

² Requires EVIS X1 CV-1500 video system center

³ Requires EVIS X1 CV-1500, CV-190 or CV-190 Plus video system center

Specifications			
Optical System	Field of view	120°	
	Direction of view	Forward viewing	
	Depth of field	3-100 mm	
Insertion Tube	Distal end outer diameter	5.8 mm	
	Distal end enlarged		
Instrument Channel	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
		Direction from which EndoTherapy accessories enter and exit the endoscopic image	
Bending Section	Angulation range	Up 180° / Down 130°	

Electrocautery Instrument Compatibility	Yes
Laser Compatibility	Nd:YAG
Compatible Systems	Olympus EVIS X1 CV-1500 video system center Olympus EVIS EXERA III CV-190/CV-190 Plus video system center Olympus EVIS EXERA III CLV-190 xenon light source



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