

## BF-MP190F

Enhance Your Impact by Reaching Further with the Ultrathin Bronchoscope



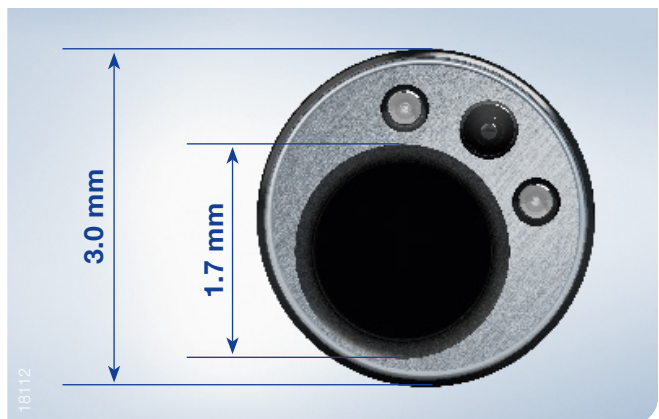
## BF-MP190F

The interest in peripheral bronchoscopy is growing among pulmonologists. Technologies such as radial EBUS, the GuideSheath Kit approach, and the use of navigation systems have also helped to improve confidence in diagnosing remote tumors. The BF-MP190F ultrathin bronchoscope improves access to deep lung areas, helps approach the lesion, and in combination with the miniature ultrasound probe enables real-time imaging of the surrounding tissue allowing to determine the lesion's exact location and size.

### Main Features

#### Reach Even Further

The unique design, combining fiber optics with a video chip in the handle of the bronchoscope, provides an optimal ratio of outer diameter to working-channel size. With the BF-MP190F, a 3.0 mm distal-end outer diameter is combined with a 1.7 mm working-channel diameter. This scope facilitates access to peripheral lung regions for effective diagnostics.



#### Access Most Challenging Locations

An upward angulation range of 210° supports smoother insertion into the upper-lobe bronchi and allows more of a bend in the scope when an EndoTherapy device is inserted into the endoscope's working channel.



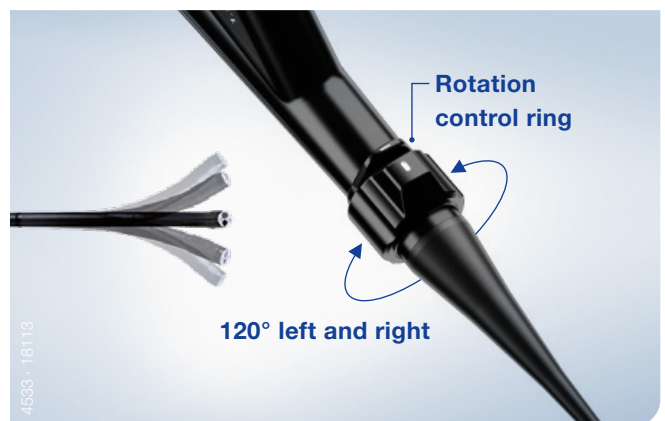
#### Handle with Peace of Mind

A new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible without a water-resistant cap and eliminates the associated risk of an expensive repair due to accidental immersion.



### **Adjust the Scope to Work for You**

The insertion tube can be rotated left or right up to 120° by simply turning a ring on the control section of the scope. This supports easier operation and smoother insertion of the miniature probe and sampling devices and can provide easier access to the biopsy port during the procedure.

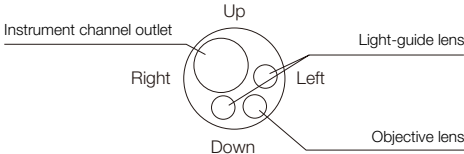
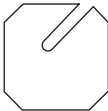
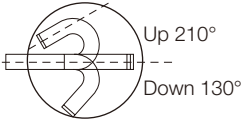


### **Target and Sample Efficiently**

The slim Olympus 1.7 mm ultrasound miniature probe is compatible with the scope's working channel as well as a cytology brush and biopsy forceps for effective confirmation and sampling in peripheral lung regions.



**This growing portfolio of dedicated sampling devices supports your diagnostic efforts in the peripheral lung, as well as those for pediatric bronchoscopy.**

Specifications		
Optical System	Field of view	90°
	Direction of view	Forward viewing
	Depth of field	2–50 mm
	Distal end outer diameter	3.0 mm
Insertion Section	Distal end enlarged	
	Insertion tube outer diameter	3.7 mm
	Working length	600 mm
	Insertion tube rotation function	Yes
Instrument Channel	Rotation range	Right: 120°, left: 120°
	Channel inner diameter	1.7 mm
	Minimum visible length	2 mm from the distal end
	Direction from which EndoTherapy accessories enter and exit the endoscopic image	
Bending Section	Angulation range	
Compatible System	EVIS EXERA III Video System Center OLYMPUS CV-190 / Xenon Light Source OLYMPUS CLV-190 EVIS X1 CV-1500 Video System Center	
Additional Information	Insertion tube rotation function	Yes
	Compatibility with radial EBUS	Yes (UM-S20-17S)
	Compatibility with GuideSheath	Not available
	Narrow Band Imaging (NBI)	Not available
	HF/laser compatibility	Not available