

### BF-XP190

Ultraslim 3.1 mm Bronchoscope for Diagnostics of the Thinnest Bronchi.



## Main Features

### Ultraslim Videoscope

Newly developed CCD on the tip realizes drastically improved image quality while maintaining an ultraslim diameter and a 1.2 mm instrument channel.



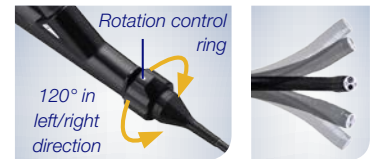
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### NBI (Narrow Band Imaging)

The incorporated NBI mode, an optical image enhancement technology, improves the visualization of vessels on the mucosal surface.

### Insertion Tube Rotation Function

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 with less operator fatigue.



### Wider Angulation Range

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.



### Waterproof One-touch Connector

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.



### Ergonomic Scope Cable Direction

The angle of direction of the universal cord has been improved so that the scope cable does not hang limp, even if the video system is located behind the bronchoscopist.

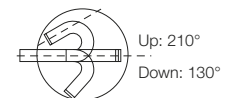
## Specifications

<b>Optical system</b>	Field of view	110°
	Direction of view	Forward viewing
	Depth of field	2–50 mm
<b>Insertion tube</b>	Distal end outer diameter	3.1 mm (tapered part of distal tip 2.9 mm)
	Distal end enlarged	
	Instrument channel outlet	Up
		Right
	Left	
	Down	
	Light-guide lens	
	Objective lens	
	Insertion tube outer diameter	2.8 mm
	Working length	600 mm
	Insertion tube rotation function	Yes
<b>Instrument channel</b>	Channel inner diameter	1.2 mm
	Minimum visible distance	1.5 mm from the distal end
	Direction from which EndoTherapy accessories enter and exit the endoscopic image	



Bending section

Angulation range



**Compatible**  
EVIS EXERA system

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.