OLYMPUS®

Your Vision, Our Future

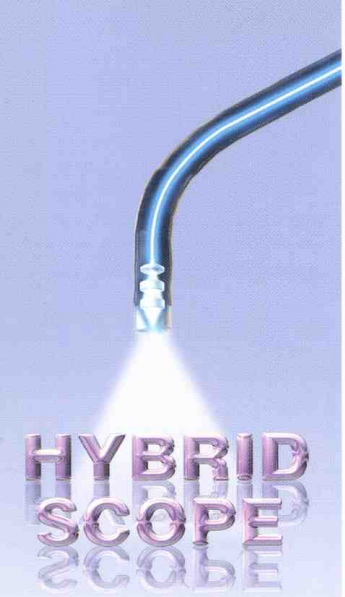
OLYMPUS ENDOSCOPIC VIDEO INFORMATION SYSTEM

EVIS EXERA

EVIS EXERA Bronchofibervideoscope

OLYMPUS **BF** TYPE **XP160F**

Ultra-Slim
2.8 mm Diameter
Hybrid
Fibervideoscope

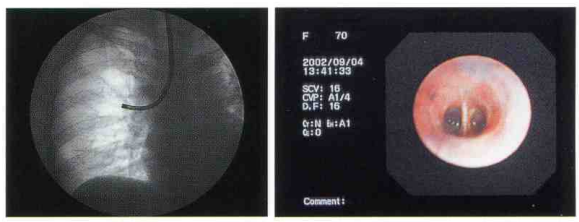


Now you can examine peripheral bronchial branches with videoscope-equivalent quality

Combining the superior image quality of video with the versatility of fiberoptics, the Olympus BF TYPE XP160F offers unprecedented access to the farthest recesses of the peripheral bronchi — an area previously accessible only with a fiberscope. With an ultra-slim insertion tube measuring a mere 2.8 mm in diameter, this innovative "hybrid" scope boasts a surprisingly large 1.2 mm diameter instrument channel and high-quality video images that will set a new standard for bronchoscopy in the peripheral lung .

Built-in CCD in the control section

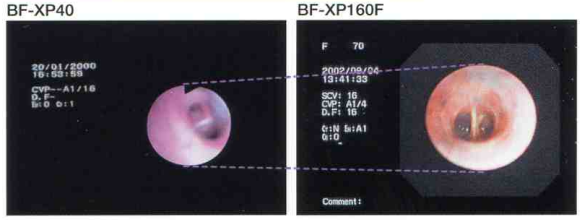
We call the BF-XP160F a "hybrid scope" for good reason — its innovative design takes advantage of both video and fiberoptic technologies. Because the CCD is built into the control section, the BF-XP160F is able to take advantage of video technology to deliver images that are much sharper and clearer than could be obtained with a fiberscope. At the same time, this unique scope's fiberoptic technology makes possible an insertion tube that's just as slim as the slimmest fiberscopes and can be inserted into areas where previously only they could go.



Larger image size than fiberscopes

The image size on the monitor is significantly larger than that of a fiberscope, making images easier to observe. Images are much brighter as well. There's no need to adjust the focus and the automatic light adjustment (average light metering) system is fast and responsive, ensuring clear, high-quality images with minimum halation.

BF-XP40 BF-XP160F



Improved scope maneuverability

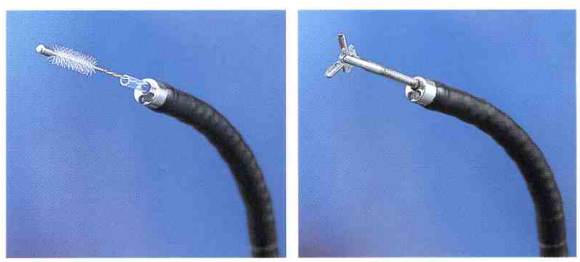
By incorporating the CCD into the control section, we were able to make the scope much lighter — in fact, it's about half the weight of a fiberscope with an OVC video converter mounted on its eyepiece. An advanced, ergonomic design makes the control section easier to handle and helps to reduce operator fatigue.

Unparalleled bronchoscopic insertion performance

While the ultra-slim 2.8 mm insertion tube on its own improves insertion characteristics significantly, the BF-XP160F features other refinements such as a smaller bending radius and greater resistance to warping than a comparable fiberscope. This further improves insertion characteristics in the peripheral bronchi and provides better torque capability.

Compatible with a variety 1.2 mm endo-therapy accessories

In spite of its ultra-slim design, the BF-XP160F incorporates a 1.2 mm diameter channel that can accommodate a variety of endo-therapy accessories including a cytology brush with a cover sheath. Adequate suction performance can also be obtained.



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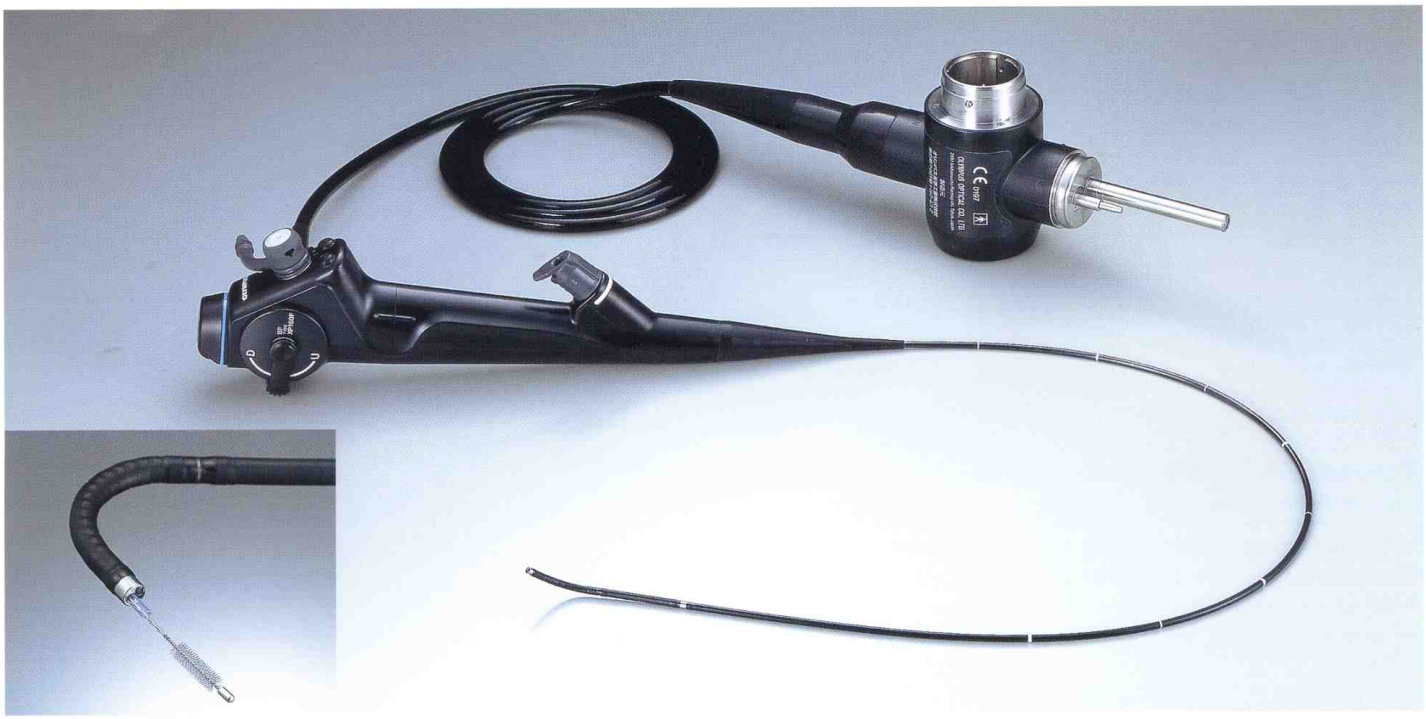
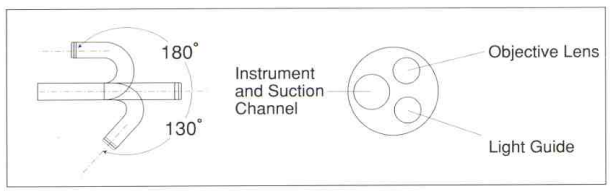
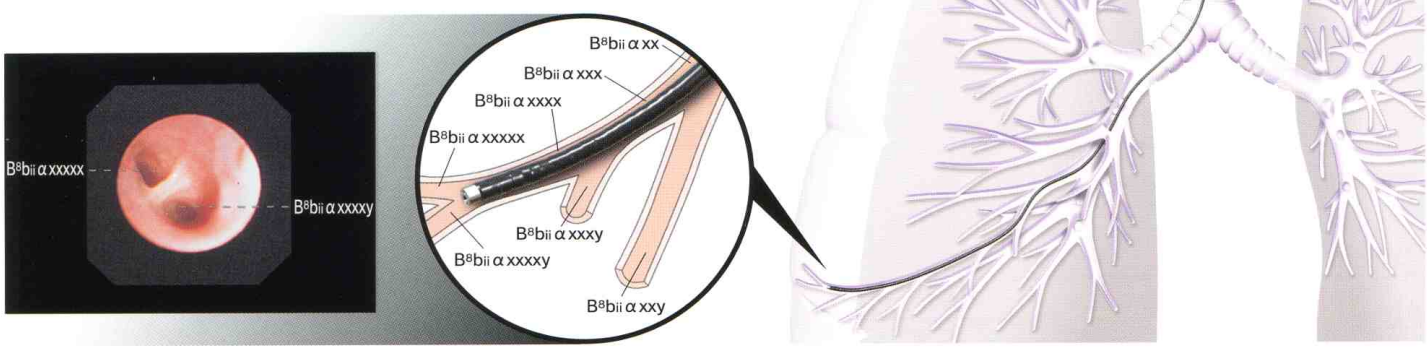


Specifications

Optical System	Field of view Direction of view Depth of field	90° 0° (Forward viewing) 2 ~ 50 mm
Insertion Tube	Distal end outer diameter Insertion tube outer diameter Working length	2.8 mm 2.8 mm 600 mm
Instrument Channel	Channel inner diameter Minimum visible distance	1.2 mm 1.5 mm from distal end
Bending Section	Angulation range	UP 180°, DOWN 130°
High Frequency Compatibility		NO
Laser Compatibility		NO
Total Length		870 mm





Reprocessing Capability For Reliability You Can Count On

To make the scope easier to wash and brush and to optimize the effect of disinfectant immersion, the exterior is designed to minimize surface protrusions and indentations while the interior features a simplified, jointless channel configuration. For added convenience, all reprocessing accessories are either autoclavable or disposable.

Standardized Accessories Can Be Used With All Scopes

The accessories are designed to the same specifications as those for Olympus's previous and current bronchovideoscopes and bronchofiberscopes. This makes it easy to use the same accessory with different scopes, reducing equipment costs and simplifying accessory management.