

OLYMPUS[®]

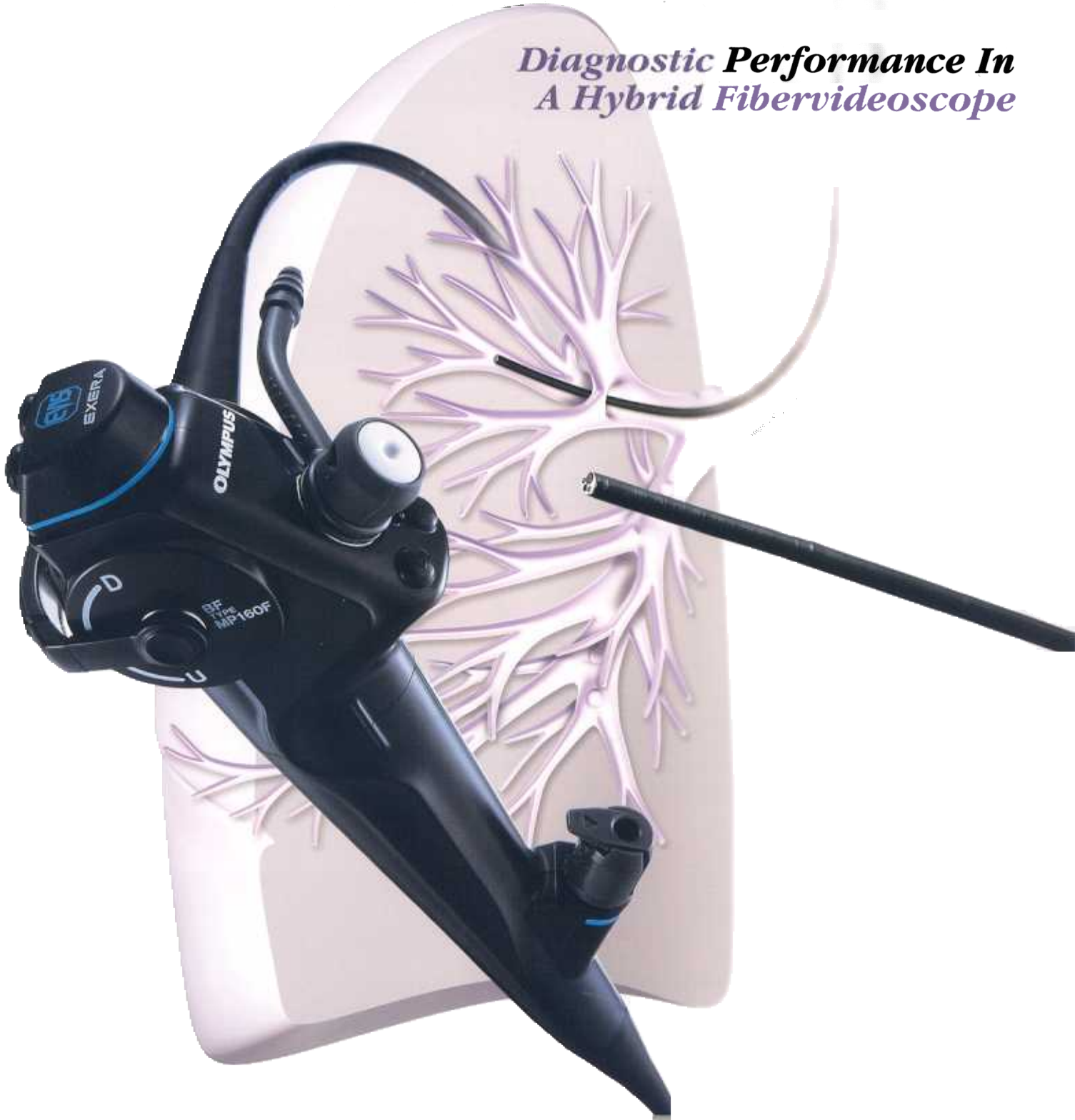
Your Vision, Our Future



EXERA

EVIS EXERA Bronchofibervideoscope
OLYMPUS BF TYPE MP160F

*Diagnostic Performance In
A Hybrid Fibervideoscope*

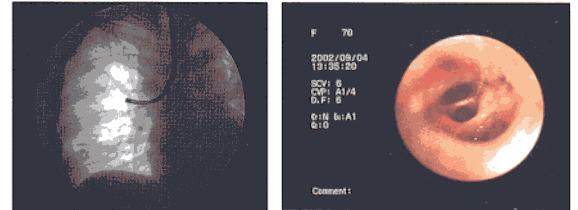


Versatile bronchoscopic capability from the central bronchi to the periphery

A truly versatile hybrid scope, the Olympus BF TYPE MP160F's narrow distal end diameter of 4.0 mm makes it ideal for use as a diagnostic scope. Yet the versatility of this scope does not stop there. You will find its high functionality especially useful for transbronchial lung biopsy, cytology brushing under fluoroscopy, as well as other advanced techniques.

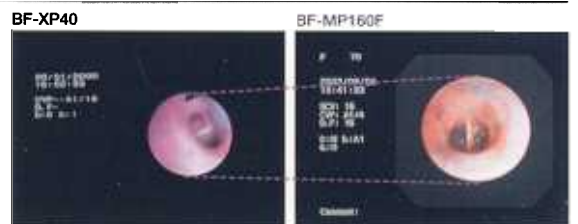
Built-in CCD in the control section

As a "hybrid scope," BF-MP160F features an innovative design that takes advantage of both video and fiberoptic technologies. Because the CCD is built into the control section, the BF-MP160F is able to have an insertion tube that's as narrow as a fiberscope, yet at the same time is capable of delivering images that are much sharper and clearer than a fiberscope.



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.



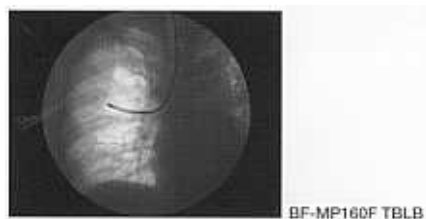
Improved scope maneuverability

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 reduce operator fatigue.



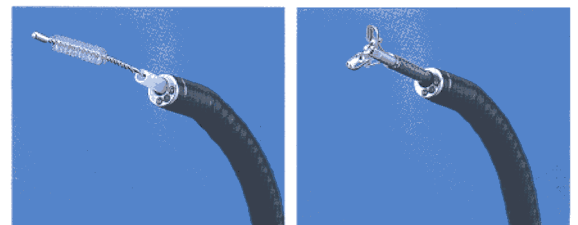
Ideal for TBLB and cytology brushing

With its ability to maneuver effectively in the peripheral bronchi, the BF-MP160F offers excellent instrumentation capability for transbronchial lung biopsy and cytology brushing under fluoroscopy.



Compatible with a variety of 2.0 mm endo-therapy accessories

At 2.0 mm in diameter, the BF-MP160F's inner channel is extremely large in proportion to its outer diameter and can accommodate a wide variety of endo-therapy accessories. Adequate suction performance can also be obtained.



HYBRID
SCOPE
SCOPE

EVIS EXERA
BRONCHOFIBERVIDEOSCOPE
BF-MP160F

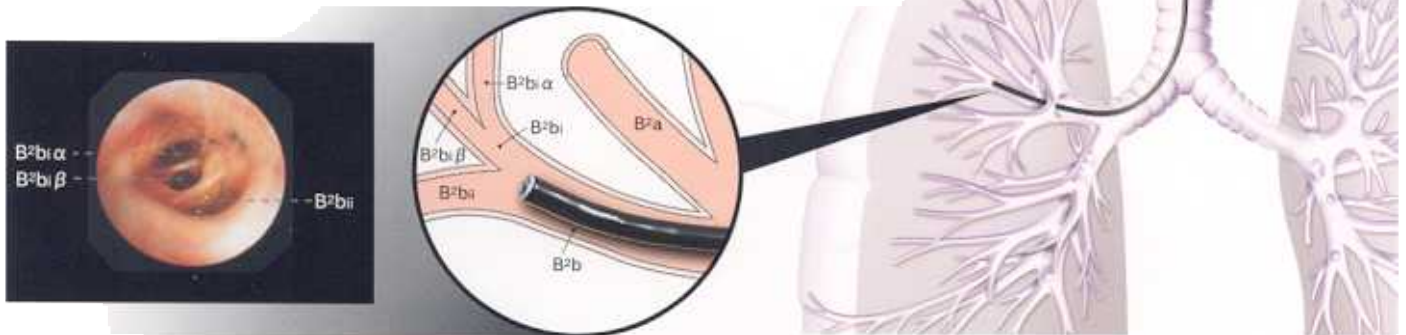
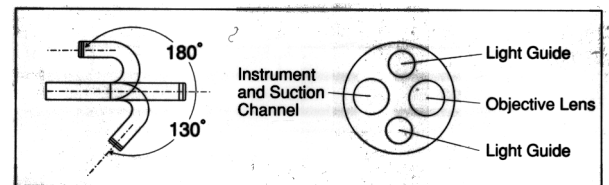


EVIS EXERA Bronchofibervideoscope OLYMPUS BF TYPE MP160F



Specifications

Optical System	Field of view Direction of view Depth of field	120° 0° (Forward viewing) 3 ~ 50 mm
Insertion Tube	Distal end outer diameter Insertion tube outer diameter Working length	4.0 mm 4.4 mm 600 mm
Instrument Channel	Channel inner diameter Minimum visible distance	2.0 mm 3 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.



OEV143/203 Color Video Monitor

Color Trinitron video monitor designed especially for endoscopy

*Trinitron is a trademark of Sony Corporation.

CV-160 EVIS EXERA Video System Center

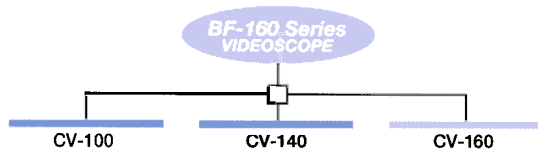
Leading-edge processor for high-resolution image reproduction

CLV-160 EVIS EXERA Xenon Light Source

Powerful, compact light source for clear, accurate observation

Backward compatibility and dual-purpose design for optimal cost efficiency

BF-160 Series scopes can easily be integrated into the EVIS 100/140 video systems used in a GI endoscopy suite. On the other hand, the CV-160 accommodates both bronchovideoscopes and gastrointestinal videoscopes, enabling your EXERA system to be used for both applications.



BF-160 Series Videoscopes



BF-XP160F

An innovative hybrid scope with an ultra-slim insertion tube and high-quality video images ideal for observation of the peripheral bronchi

BF-3C160

A super-slim scope with a miniature CCD that can be inserted more deeply into the bronchi while maintaining excellent image quality

BF-P160

An extremely slim scope that offers outstanding insertion capability while maintaining high resolution and top-notch performance

BF-160

A versatile diagnostic scope incorporating a high-resolution CCD. Compatible with conventional EVIS systems

BF-1T160

Offers superb image quality with large, easy-to-view display size and excellent therapeutic capability

BF-XT160

Features an extra-wide channel to enable utilization of a wide variety of Endo-Therapy accessories while simultaneously suctioning fluids

	BF-XP160F	BF-3C160	BF-MP160F	BF-P160	BF-160	BF-1T160	BF-XT160
Distal end outer diameter	2.8 mm	3.8 mm	4.0 mm	4.8 mm	5.3 mm	6.0 mm	6.2 mm
Insertion tube outer diameter	2.8 mm	3.8 mm	4.4 mm	4.9 mm	5.2 mm	6.0 mm	6.3 mm
Instrument Channel inner diameter	1.2 mm	1.2 mm	2.0 mm	2.0 mm	2.0 mm	2.8 mm	3.2 mm

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



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As of Oct. 1, 2003, Olympus Optical Co., Ltd., is named OLYMPUS CORPORATION.

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