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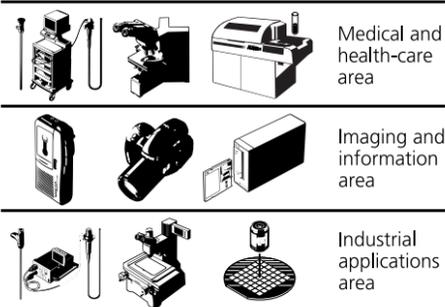


EVIS EXERA Bronchovideoscope  
**OLYMPUS BF TYPE P160**

*Revolutionary Insertion Capability*



**Olympus business areas**



**OLYMPUS**<sup>®</sup>  
 FOCUS ON LIFE

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# World's Smallest CCD\* Enables Easier-Than-Ever Insertion While Achieving Superb Resolution

Featuring the smallest CCD\* ever incorporated in a videoscope, the Olympus BF<sub>TYPE P160</sub>'s extra-narrow insertion tube measures a mere 4.9mm in diameter offering you dramatically improved insertion capability compared to a bronchofiberscope. What is even more remarkable is that this has been achieved without compromising performance. In fact, the improved CCD technology delivers superior high-resolution images and a large display size for even more accurate observation. Also provided is a 2.0mm diameter channel, giving you all the room you need to insert various instruments during treatment.

\* Applies to CCDs used in endoscopes, as of May 2000

## Superior Image Performance Maintained Thanks To Newly Developed CCD

The insertion tube diameter of the BF-P160 has been reduced to a remarkably narrow 4.9mm. At the same time, the rigid section at the scope tip has been shortened to provide a smaller angulation radius. The result is a scope that can be inserted and maneuvered in tight recesses of the tracheobronchial tree more easily and efficiently than ever.



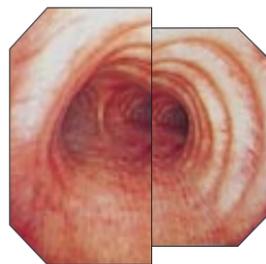
## Superior Image Performance Maintained Thanks To Newly Developed CCD

Even though the insertion tube is much narrower than in conventional videoscopes, the ultra-compact color-chip CCD built into the scope tip is able to deliver high-resolution image quality. Details are clear and crisp throughout the field of view, ensuring accurate observation and examination.



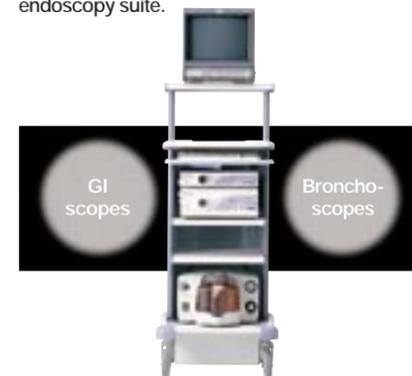
## Larger Image Size For Easier Observation

The powerful CCD also makes it possible for this scope to produce a larger image than its predecessors. The enlarged image size makes viewing much easier, allowing you to observe minute details that might otherwise be missed.



## Dual-Purpose Design Increases Endoscopy Suite Efficiency

Your EVIS EXERA System can now be used for both bronchoscopic and gastrointestinal endoscopic procedures. This scope is interchangeable with an EVIS EXERA Gastrointestinal Videoscope because the CV-160 Video System Center is designed to accommodate either type of scope, allowing you to streamline your endoscopy suite.

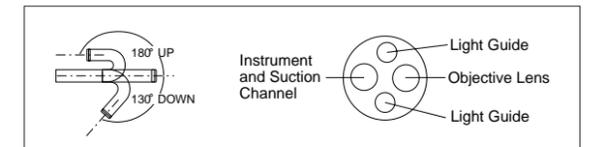


# EVIS EXERA Bronchovideoscope OLYMPUS BF<sub>TYPE P160</sub>



## Specifications

Optical System	Field of view Direction of view Depth of field	120° 0° (Forward viewing) 3 - 100 mm
Insertion Tube	Distal end outer diameter Insertion tube outer diameter Working length	4.8 mm 4.9 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		YES
Laser Compatibility		YAG, 810 nm diode
Total Length		870 mm



## Efficient, Ergonomic Design Is Easy To Use And Maintain

### Ergonomically Designed Control Section And Switch Layout

Designed to minimize operator fatigue and maximize efficiency, the control section is contoured to fit comfortably in the operator's left hand. Switch functions can be user-defined and all switches and knobs are arranged on the control section in a simple, easy-to-remember configuration that facilitates single-handed operation.



### Compatibility With Electrocautery For Added Versatility

Fully insulated to minimize any potential risk, this scope is compatible with electrocautery — an advanced treatment system that produces less smoke than laser treatment and is widely used for specialized surgery such as removal of elevated tumors in the bronchi.



### 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.

