

EVIS EXERA III

Advancing the Art of Bronchoscopy.



SHEDDING NEW LIGHT ON THE ART OF BRONCHOSCOPY



As the world leader in endoscopy, Olympus provides cutting-edge medical technology to health-care professionals around the globe. Our commitment to research and development and our collaborative efforts with the medical community work to improve both the underlying technology and the quality of patient care it helps to deliver.

In the respiratory field, Olympus provides a wide range of innovative solutions — not only bronchoscopes but also solutions for endobronchial ultrasound, peripheral and pediatric bronchoscopy, as well as medical and surgical endoscopy.

Olympus continually innovates in order to provide the most advanced equipment to support progress in respiratory diagnosis and treatment. With the introduction of the EVIS EXERA III line-up of bronchoscopes and its stunning new features, we advance techniques and procedures which advance the art of bronchoscopy.



EVIS EXERA III

Advancing Visualization

The new HDTV bronchoscopes achieve an outstanding level of clarity and detail, enabling the bronchoscopist to perform more precise observation and diagnosis. Even the ultraslim bronchoscopes, with outer diameters of around 4.0 mm or less, now use a videoscope (chip-on-tip) optical system for dramatically improved image quality.

Advancing Maneuverability

New features, such as the insertion tube rotation function, improve handling and in-procedure maneuverability of bronchoscopes.

Advancing Versatility

The wide range of the product lineup for bronchoscopy, system compatibility with gastroenterology, ENT, and other specialties, plus new image management solutions all add versatility that advances the art of bronchoscopy.

ADVANCING VISUALIZATION

The New HDTV Bronchoscopes Provide Images with Amazing Clarity and Accurate Color Reproduction.

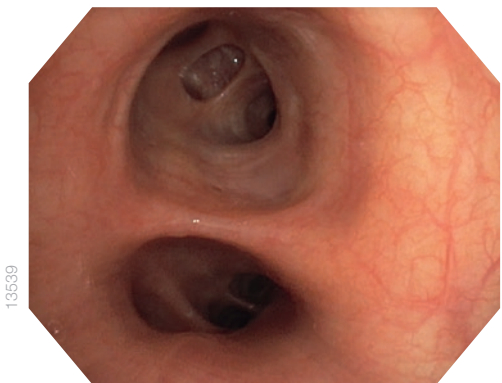
HDTV Bronchoscopy

High-definition observation is now realized with HDTV image quality (BF-H190/BF-1TH190). These sharp, clear images provide a detailed observation of bronchial surfaces.

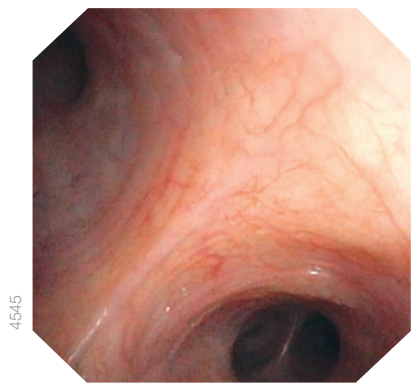


Standard Treatment Scope with High Image Quality

The versatile routine video bronchoscope BF-Q190 provides a high resolution image, while providing a slim 4.8 mm distal end outer diameter.



HDTV with BF-H190/BF-1TH190



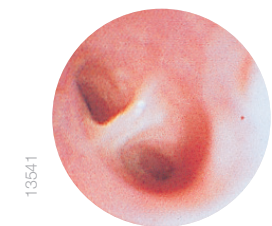
BF-Q190

Ultraslim-Design Videoscopes

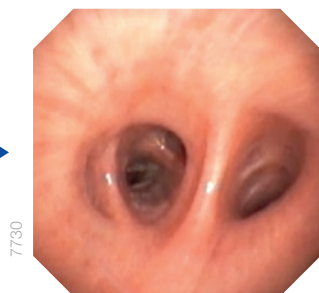
The slim chip-on-the-tip videobronchoscopes BF-P190 and BF-XP190 provide strong imaging performance while offering compatibility to a wide range of EndoTherapy instruments, enhancing the diagnosis in the thin bronchial lumen.



BF-MP160F



BF-XP160F

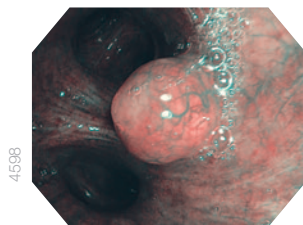


BF-P190/BF-XP190

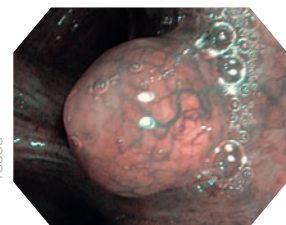
*BF-1TH190 is not available in some areas.

High-Definition Electronic Magnification

Close observation is possible with electronic magnification of 1.2x and 1.5x, maintaining a high-quality image.



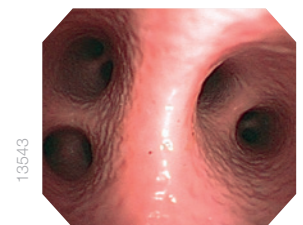
1.0x



1.5x

Enhanced Image Quality

The clear, high-resolution images of the latest EVIS EXERA III generation are achieved through the advanced Olympus optics, the improved image sensors employed, and a new CV-190 image processor that minimizes halation and image noise.



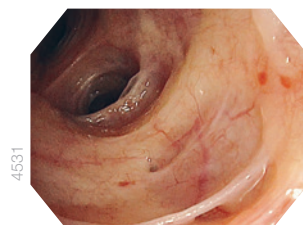
Old



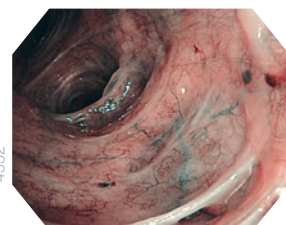
New

NBI (Narrow Band Imaging)

NBI is now significantly brighter in comparison with previous models, offering improved vasculature visualization. This can advance examination efficiency by helping to decrease examination time and reduce the need to take extra biopsies.



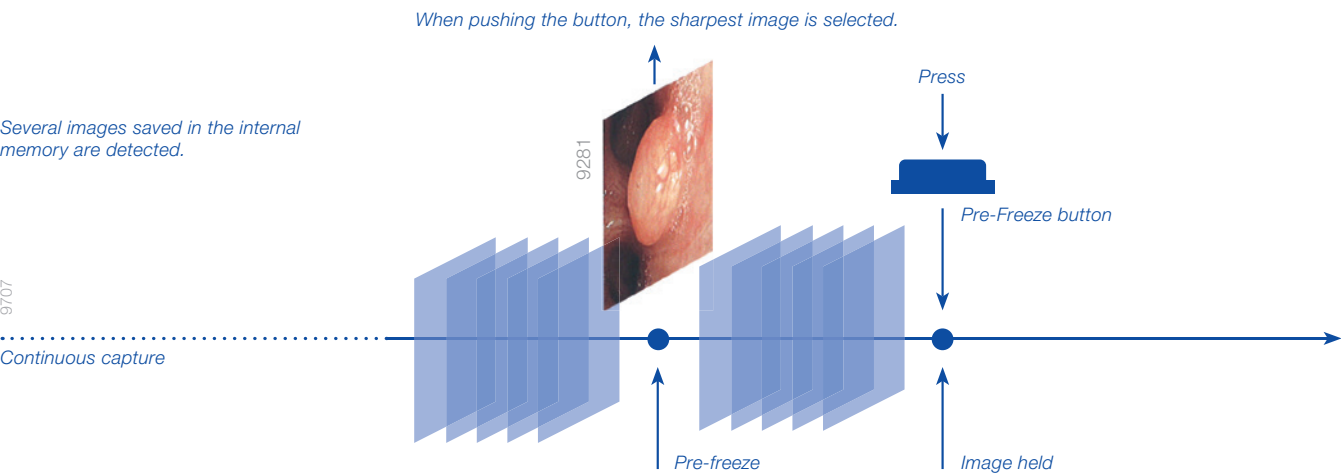
White light



NBI

Sharp Still Images with Pre-Freeze Function

EVIS EXERA III dramatically increases the sharpness and clarity of still-image captures. The CV-190 processor continuously saves procedural images into its memory so that when a still image is captured, the CV-190 automatically selects and saves the sharpest image of that view. This function helps bronchoscopists to obtain a clear visual record of the procedure in the shortest possible time.



ADVANCING MANEUVERABILITY

Advances in Ease of Operation Can Make Exceptional Differences in the Time and Effort Required To Complete a Procedure.

Insertion Tube Rotation Function

Always looking for ways to improve operability, Olympus has developed a unique technology which is employed on EVIS EXERA III bronchoscopes. The insertion tube rotation function allows the bronchoscopist to change the insertion tube's angle of approach by rotating a ring on the control section. This function enhances maneuverability and improves diagnostic and therapeutic capabilities, especially when trying to reach a target in the lung periphery.

■ Precise Control

The insertion tube rotation function gives bronchoscopists precise control of the insertion tube. The operator can change the direction of the insertion tube by turning the rotation control ring instead of turning the bronchoscope's control section.

■ Smoother Insertion and Less Tiring Maneuvering

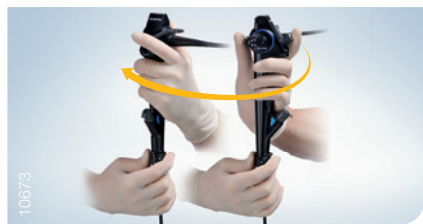
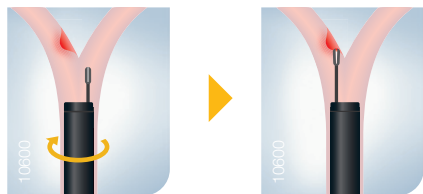
The insertion tube rotation function means that bronchoscopists are not forced into unnatural, stressful positions when performing bronchoscopy. This unique function makes selection of bronchial branches much easier. Bronchoscopists can turn the control section back to a comfortable position while maintaining the position of the insertion tube in vivo.

■ Improved Therapeutic Capability

With the insertion tube rotation function, bronchoscopists can easily adjust the position of the distal end of bronchoscopes. This facilitates selection of the bronchi where EndoTherapy devices may be inserted.

■ Easy Access for the Insertion of EndoTherapy Devices

The operation of EndoTherapy devices involves both the bronchoscopist and assistant. The insertion tube rotation function can be used to adjust the instrument port to the most convenient and simple-to-reach position for the whole team.



Wide Angulation Range

Compared to predecessors, the EVIS EXERA III Series has a wider angulation range, allowing smoother insertion into the upper lobe bronchi and more of a bend in the scope while inserting an EndoTherapy device.



* Except BF-1TH190

Ergonomic Scope Cable Direction

Olympus redesigned the cable between the connector and the control section. This improved design means the scope cable does not hang limp if the video system is located behind the bronchoscopist, allowing a procedure to run more smoothly.

One-Touch Connector

The newly designed EVIS EXERA III endoscopes allow one-step connection to the light source and processor. Unlike previous generations of endoscopes, the EVIS EXERA III endoscopes do not require a water-resistant cap, simplifying reprocessing and minimizing accidental water damage. The enhanced efficiency delivered by the one-touch connector can also help expedite procedure room set-up and turnover.



Conventional Series

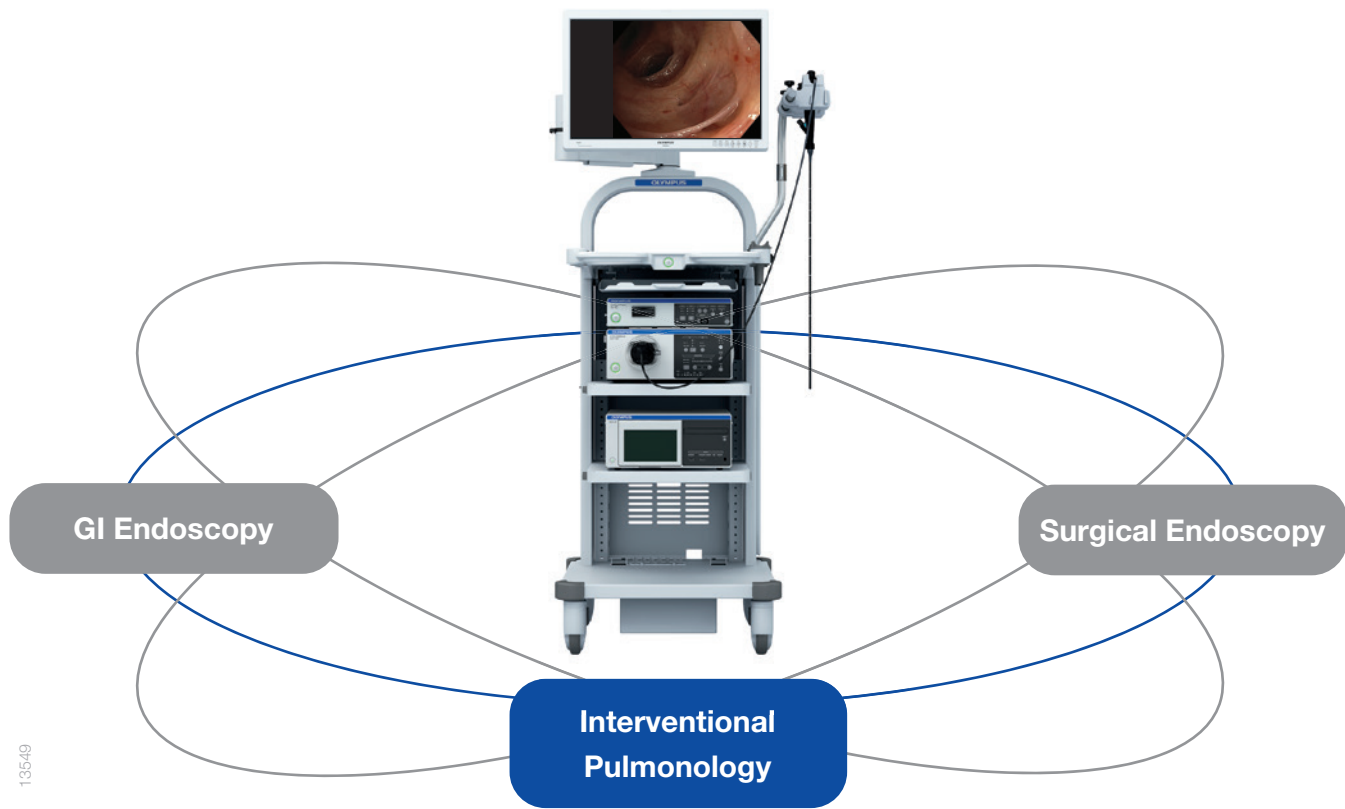


EVIS EXERA III



ADVANCING VERSATILITY

The Wide Range of the Product Lineup for Bronchoscopy, System Compatibility with Gastroenterology, ENT and Other Specialties, plus New Image Management Solutions All Add Versatility that Advances the Art of Bronchoscopy.



Compatibility with a Wide Range of Scopes and a New Image Management System.

Olympus provides ideal solutions for endoscopic imaging. The Olympus EVIS EXERA III system is compatible with endoscopes used in interventional pulmonology, gastroenterology, anesthesiology, ENT, and other surgical areas. For respiratory applications, in addition to the new EVIS EXERA III bronchoscopes, Olympus supports a wide range of products for endoscopic ultrasound, peripheral and pediatric bronchoscopy, and pleuroscopy. Combining such a diverse product lineup with an ongoing commitment to many medical and surgical specialties helps us to advance the art of endoscopy through maneuverability and improved diagnostic and therapeutic capabilities.

Endoscopic Ultrasonography

Endoscopic ultrasonography is the new standard for mediastinal lymph node diagnosis. Olympus takes pride in being the manufacturer of the world's most popular EBUS-TBNA scope. Explore the versatility of our universal endoscopy ultrasound center, EU-ME2, with compatibility to both linear and radial endoscopic ultrasonography.



Pleuroscopy

Specially designed to perform medical thoracoscopy, offering the same ease of use and familiarity that a chest physician experiences with bronchoscopy. Pleuroscopy under local anesthesia with conscious sedation in a single-port procedure offers a less invasive approach. The pleuroscope provides strong imaging performance, suction and biopsy capabilities as well as simple therapy - all in one instrument.



Image Management

Health-care facilities are increasingly concerned about operational efficiencies, which include effective data management, the exchange and filing of data, and enhanced support for staff members. In this area, the EVIS EXERA III endoscopy system offers two distinct advantages.

■ IMH (Image Management Hub)

The IMH provides seamless recording, management, and editing of vivid HD images and videos. Its advanced compression technology allows extended recording time, and it is compatible with various media. With its advanced editing and image management capabilities, IMH enhances the documentation of endoscopy operations.



■ Portable Memory Compatibility

Portable memory media are now the standard for data exchange. The EVIS EXERA III endoscopy system uses a dedicated portable memory technology, enabling the user to simply connect and upload.



Previous 160 and 180 Series bronchoscope models and the pleuravideoscope are compatible with the EVIS EXERA III system.

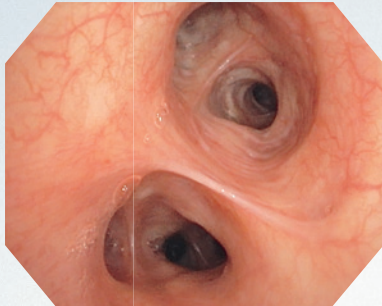
DIVERSE SCOPE LINEUP FOR EVIS EXERA III

A Wide-Ranging Selection Supports Precise Observation and Treatment, whether Central or Peripheral.

Olympus BF-H190

Diagnostic bronchoscope with superb HDTV image quality

- Distal end outer diameter: 5.5 mm
- Insertion tube outer diameter: 5.1 mm
- Instruments channel diameter: 2.0 mm

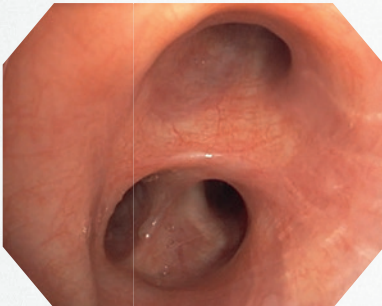


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Olympus BF-1TH190

Therapeutic bronchoscope with superb HDTV image quality

- Distal end outer diameter: 6.2 mm
- Insertion tube outer diameter: 6.0 mm
- Instruments channel diameter: 2.8 mm

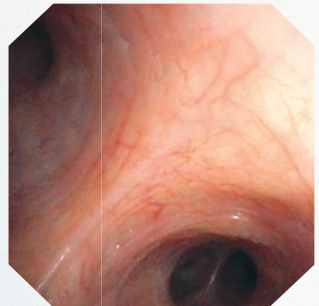


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Olympus BF-Q190

Versatile high-resolution image bronchoscope

- Distal end outer diameter: 4.8 mm
- Insertion tube outer diameter: 4.9 mm
- Instruments channel diameter: 2.0 mm

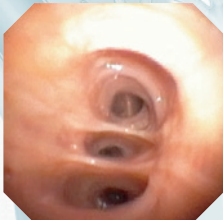


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Olympus BF-P190

Slim bronchoscope ideal for peripheral diagnostics

- Distal end outer diameter: 4.2 mm
- Insertion tube outer diameter: 4.1 mm
- Instruments channel diameter: 2.0 mm




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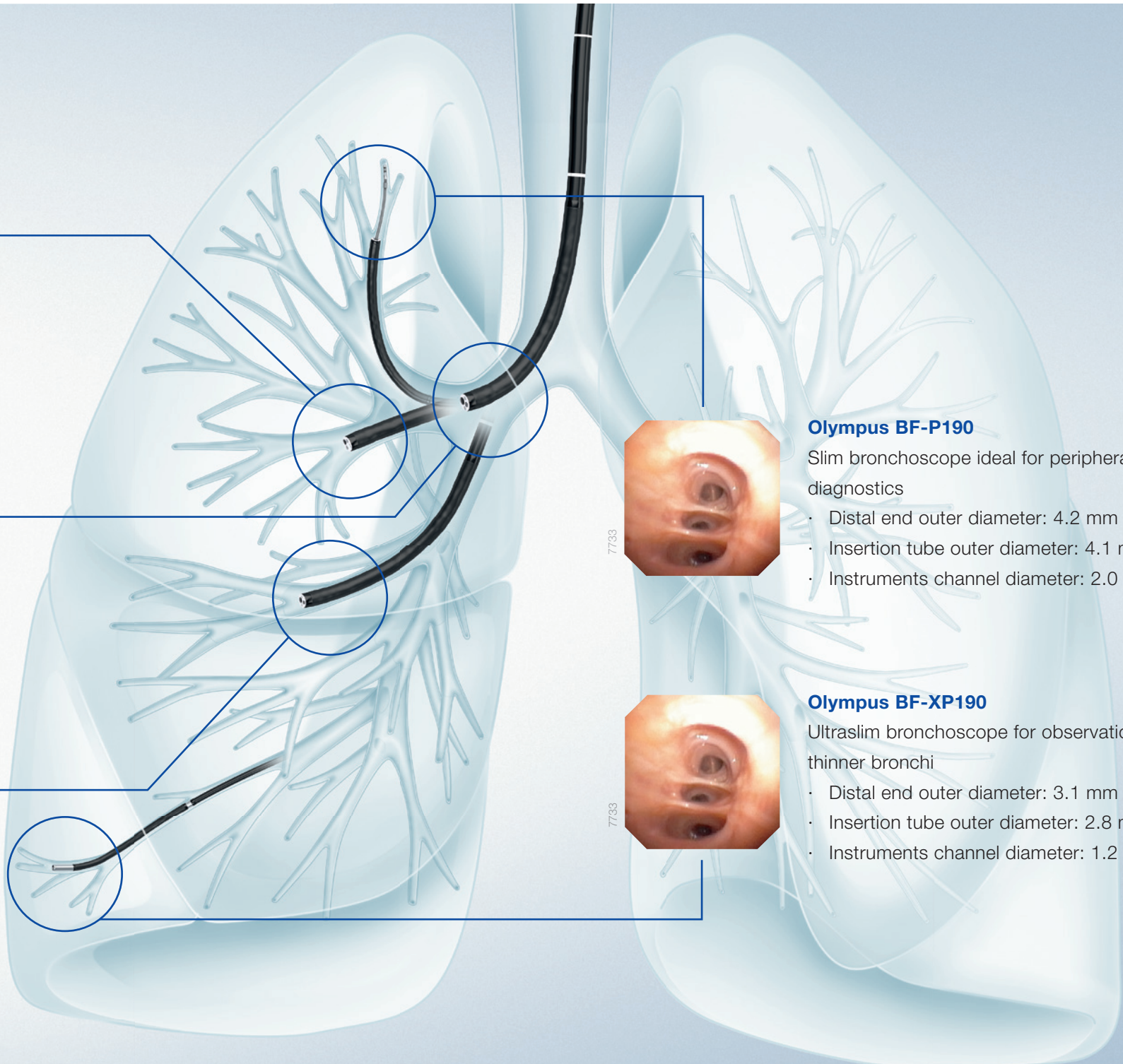
Olympus BF-XP190

Ultraslim bronchoscope for observation of thinner bronchi

- Distal end outer diameter: 3.1 mm
- Insertion tube outer diameter: 2.8 mm
- Instruments channel diameter: 1.2 mm



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EVIS EXERA III BRONCHOSCOPY

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As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications, accessories and service offerings may be required.

OLYMPUS

OLYMPUS EUROPA SE & CO. KG

Postbox 10 49 08, 20034 Hamburg, Germany
Wendenstrasse 20, 20097 Hamburg, Germany
Phone: +49 40 23773-0, Fax: +49 40 233765
www.olympus-europa.com