OLYMPUS®

Your Vision, Our Future

EVIS EXERA III

Advancing the Art of Bronchoscopy

OLYMPUS®

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Advancing the Art of Bronchoscopy

with the world's only fully rotatable bronchoscopes and
newly evolved image quality

As the world leader in endoscopy, OLYMPUS is committed to providing cutting-edge medical technology that not only helps to improve procedural outcomes but also enhances operational and cost efficiencies. In the respiratory arena, OLYMPUS has always been a pioneer in developing innovative solutions to advance the field of bronchoscopy.

Now, the groundbreaking EVIS EXERA III technologies deliver major advances in visualization, maneuverability, and versatility. Innovative technologies help facilitate more accurate diagnosis and treatment, simplify setup and reprocessing, and improve versatility, resulting in advanced levels of sophistication and integration.

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 ultra-slim bronchoscopes with outer diameters of around 4 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

with HDTV clarity and image enhancement technologies

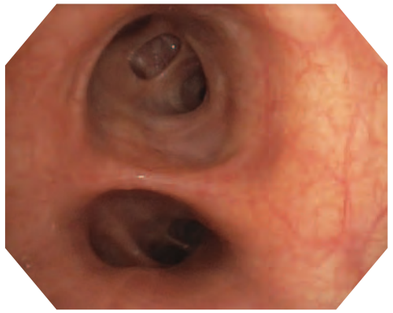
Improved image quality allows more detailed observation*

●HDTV bronchoscopy

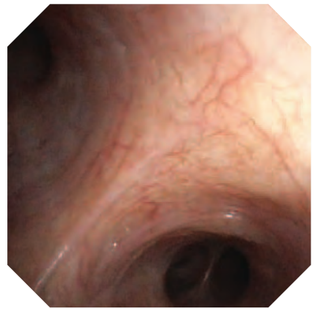
High-definition observation is now realized with HDTV image quality (BF-H190/ BF-1TH190). These sharp, clear images provide much more detailed and precise observation of bronchial surfaces.

●Standard and treatment type scopes with high image quality

Despite its slim 4.8 mm diameter, the BF-Q190 scope has significantly improved image quality compared to conventional models. The quality achieved is comparable with that of previous generation high-end scopes, such as the BF-Q180 and BF-1TQ180.



HDTV (BF-H190/BF-1TH190)



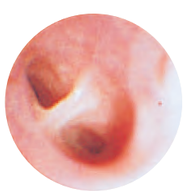
BF-Q190

●Ultra-slim-design true videoscope

While maintaining an ultra-slim design, the BF-P190's and BF-XP190's newly developed micromini CCD on the tip provides tremendously improved image quality over conventional hybrid scopes (BF-MP160F/BF-XP160F). Detailed observation helps to support better observation at the peripheral bronchi.

BF-MP160F

BF-P190/BF-XP190



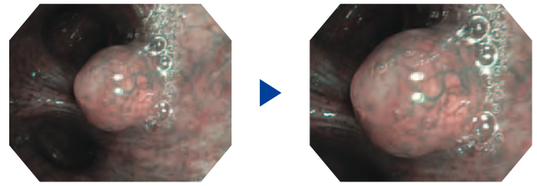
BF-XP160F

*When compared to previous OLYMPUS bronchoscopy systems.

Product list: •EVIS EXERA II Bronchovideoscope OLYMPUS BF TYPE Q180 •EVIS EXERA II Bronchovideoscope OLYMPUS BF TYPE 1TQ180 •EVIS EXERA Bronchofibervideoscope OLYMPUS BF TYPE MP160F •EVIS EXERA Bronchofibervideoscope OLYMPUS BF TYPE XP160F •EVIS EXERA III Video System Center OLYMPUS CV-190

Electronic Magnification

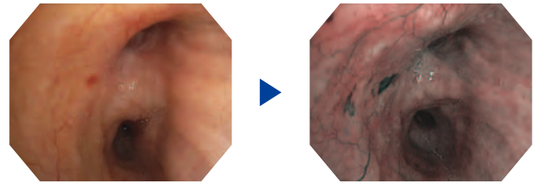
Close-up observation of bronchial surfaces is readily available with 1.2x and 1.5x electronic magnification.



1.0x 1.5x

NBI (Narrow Band Imaging)

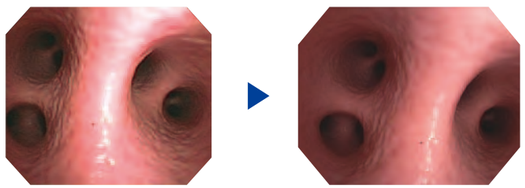
Now significantly brighter compared to 180 Series scopes, NBI provides twice the viewable distance for enhanced visualization of vascular structures and mucosal morphology.



White light NBI

Enhanced image quality

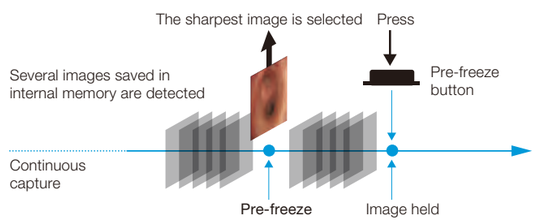
The clear, high-resolution images of the latest EVIS EXERA III generation are achieved through the advanced OLYMPUS optics, the improved image sensors employed, and a new CV-190 image processor that minimizes halation and image noise.



Old New

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 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 obtain a clear visual record of the procedure in the shortest possible time.



Advancing Maneuverability

with outstanding handling and superior tracheobronchial access

Insertion tube rotation function

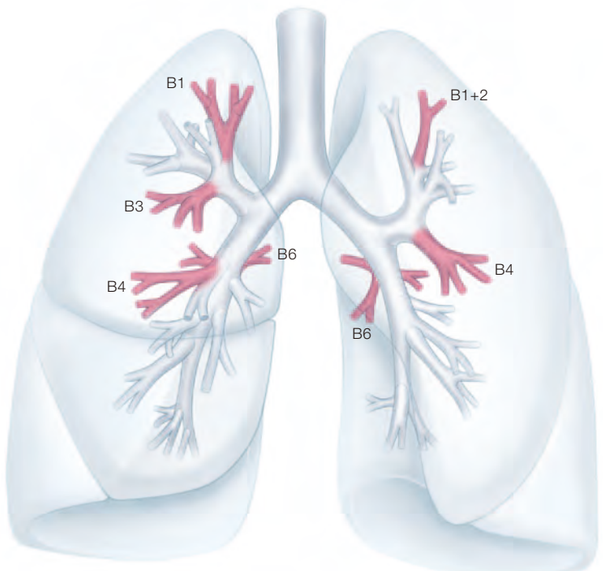
Always looking for ways to improve operability, OLYMPUS has developed a unique technology which is employed on every EVIS EXERA III bronchoscope. The Insertion tube rotation function allows the bronchoscopist to change the insertion tube's angle of approach by rotating a ring on the control section.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

● Precise control

This 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 to maneuver

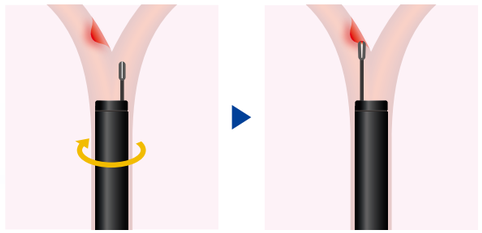
This means that bronchoscopists need not assume unnatural, stressful positions when performing bronchoscopy. This unique function makes selection of bronchial branches much easier. Bronchoscopists can turn the control section back to a comfortable position while maintaining the position of the insertion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



Smoother insertion areas with EVIS EXERA III scopes

● Improved therapeutic capability

Now, bronchoscopists can easily adjust the position of the distal end of bronchoscopes. This facilitates selection of the bronchi where EndoTherapy devices may be inserted.



● Smoother 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

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.

180 Series

190 Series*

180 Series

190 Series*

*Except BF-1TH190

Ergonomic scope cable direction

A redesigned cable between the connector and the control section ensures the scope cable doesn't interfere with the procedure.

One-touch connector

The newly designed EVIS EXERA III endoscopes allow one-step connection to the light source and processor. Unlike Conventional series, 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 setup and turnover.

Conventional series

Water-resistant cap

EVIS EXERA III

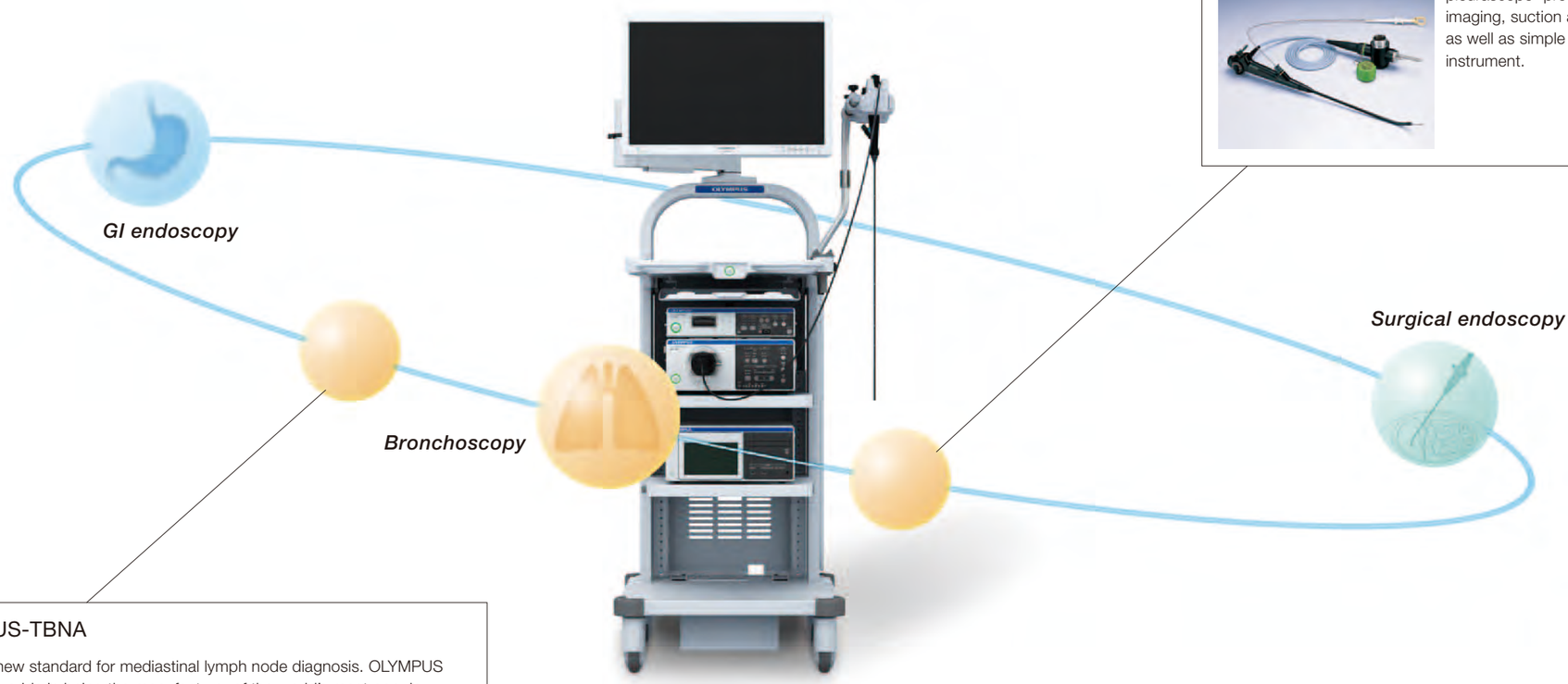
One-touch connector

Advancing Versatility

with compatibility across multiple specialties

EVIS EXERA III effectively covers many different areas of expertise

OLYMPUS provides ideal solutions for endoscopic imaging. The OLYMPUS EVIS EXERA III system is compatible with endoscopes used in bronchoscopy, 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 EBUS, peripheral and pediatric bronchoscopy, and pleuroscopy. Combining such a diverse product lineup with an ongoing commitment to many medical and surgical specialties helps us advance the art of endoscopy.



Pleurascope

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

*Not available in some areas

EBUS-TBNA

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.



Image management

Healthcare 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 is compatible with various media. With its advanced editing and image management capabilities, IMH can help enhance endoscopy operations like never before.

●Portable memory compatibility

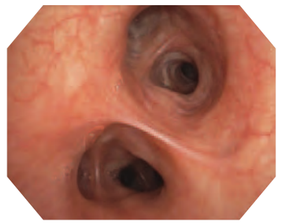
Portable memory media are now the standard for data exchange. The EVIS EXERA III endoscopy system uses a dedicated portable memory technology enabling the user to simply connect and upload.

Diverse scope lineup for EVIS EXERA III

A wide-ranging selection supports precise observation and treatment, whether central or peripheral.

EVIS EXERA III Bronchovideoscope

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

EVIS EXERA III Bronchovideoscope

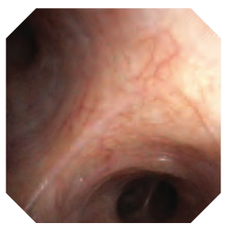
OLYMPUS BF-1TH190

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

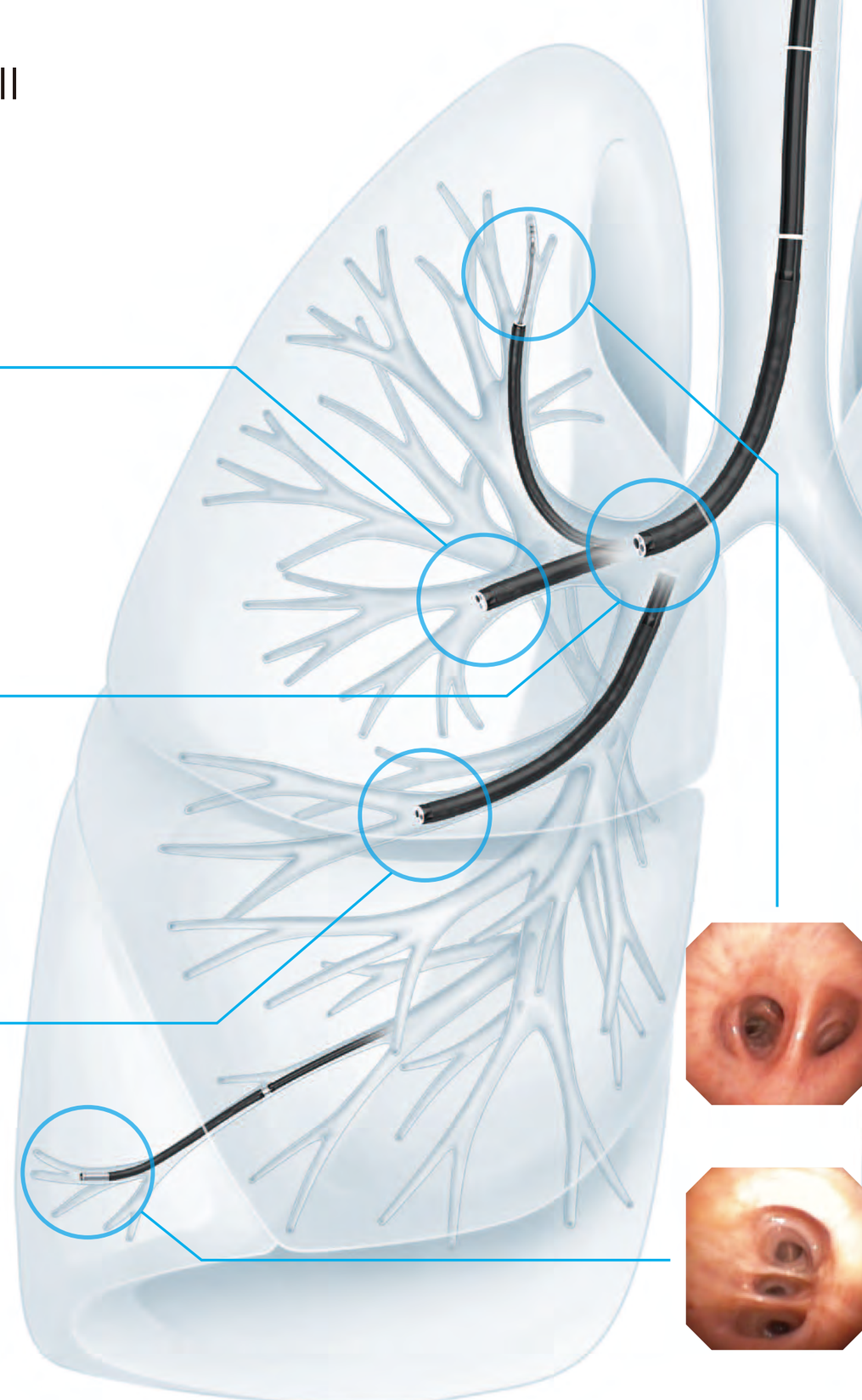
EVIS EXERA III Bronchovideoscope

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



EVIS EXERA III Bronchovideoscope

OLYMPUS BF-P190

Ultra-slim videoscope with 2.0 mm instrument channel

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

EVIS EXERA III Bronchovideoscope

OLYMPUS BF-XP190

Extremely slim videoscope 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

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