EVIS EXERA III
Advancing 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 — advancing the art of bronchoscopy.
ADVANCING THE ART OF BRONCHOSCOPY

EVIS EXERA III pursues perfection in the art of bronchoscopy, with major advances in visualisation, manoeuvrability, and versatility.

Advancing visualisation
The new HDTV bronchoscopes achieve an outstanding level of clarity and detail, enabling the bronchoscopist to perform more precise observation and diagnosis. The improved resolution of the thin routine bronchoscope enhances diagnosis in the thinner lumen.

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

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

These innovative technologies help facilitate more accurate diagnosis and treatment, simplify set-up and reprocessing and improve versatility resulting in advanced levels of sophistication and integration.
ADVANCING VISUALISATION

The new HDTV bronchoscopes provide images with amazing clarity and accurate colour reproduction. More detailed observation with improved image quality

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

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

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 minimises halation and image noise.

NBI (Narrow Band Imaging)
NBI is now 50% brighter compared to previous models, offering improved vasculature visualisation. This can advance examination efficiency by helping to decrease examination time and reduce the need to take extra biopsies.

Sharp still images with pre-freeze function
A new pre-freeze function saves time and eliminates the bronchoscopist’s frustration when capturing still images. The new CV-190 automatically buffers a continuous, rapid series of procedural images. When capturing a still image, the pre-freeze function analyses the previous images and displays and saves the sharpest image of the desired view. This function helps bronchoscopists obtain a clear visual record of the procedure in the shortest possible time.

Slim 4.8 mm - diameter scope 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.

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

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 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 function enhances manoeuvrability, improving diagnostic and therapeutic capabilities.

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 manoeuvring
The Insertion tube rotation function means that bronchoscopists aren’t 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, BF-H190 and BF-Q190 in the EVIS EXERA III Series have 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.

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 minimising accidental water damage. The enhanced efficiency delivered by the one-touch connector can also help expedite procedure room set-up and turnover.
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, anaesthesiology, 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 advance the art of endoscopy through maneuverability, improved diagnostic and therapeutic capabilities.

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 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.

ADVANCING VERSATILITY

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