RHINO-LARYNGO VIDEOSCOPE

ENF-VH2/ENF-V4

New Design Optimized for ENT Examinations

Model ENF-VH2 ENF-V4

Optical system

Field of view 110˚ 90˚

Direction of view 0˚ (Forward viewing)

Depth of field 5 – 50 mm 3.5 – 50 mm

Insertion section

Distal end outer diameter ø 3.9 mm ø 2.6 mm

Insertion tube outer diameter ø 3.6 mm ø 2.9 mm

Insertion section working length 300 mm 300 mm

Bending section

Angulation range UP 130˚ / DOWN 130˚

Total length 500 mm

NBI observation mode Available

Laser treatment Available Not available

Remote Switch

Angulation Control Lever

Remote Switch

Control section with 30%* reduced weight

In addition to reducing the overall size of the control section as well as the diameter of the universal cable, we have reduced the weight of the control section by 30% compared to conventional OLYMPUS models.

* Based on Olympus survey results.

New design optimized for ENT examinations

The Pistol grip provides a secure and stable grip, allowing the control section to be held more comfortably operating the scope by holding the control section positions the insertion tube more linearly in relation to the patient, reducing friction between the scope and the mucosa, thereby facilitating smoother and more efficient insertion than conventionally possible. Remote switches have been re-positioned, further improving operability.
The Future Standard for ENT

ENF-VH2/ENF-V4

Featuring the new "Pistol grip", an ergonomic control section specially designed for otolaryngological examinations, the ENF-VH2/V4 brings physicians the same high image quality and thin diameter offered by conventional OLYMPUS products. With its reduced weight, improved operability, and easier insertion, this new grip minimizes strain and maximizes performance.

Easier single-hand control

The lever and switches are laid out to facilitate the operations with a single hand. The new control section is designed to be handled with either the left or right hand without any discomfort.

New design optimized for ENT examinations

The Pistol grip provides a secure and stable grip, allowing the control section to be held more comfortably.

Operating the scope by holding the control section positions the insertion tube more linearly in relation to the patient, reducing friction between the scope and the mucosa, thereby facilitating smoother and more efficient insertion than conventionally possible. Remote switches have been re-positioned, further improving operability.

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Proprietary OLYMPUS technology improves exam capabilities and simplifies operation

Wide field of view
The ENF-VH2 has a viewing angle of 110°. And with HD resolution and exceptional illumination, every corner of the field can be thoroughly inspected.

Exceptional luminosity
Although it has a small diameter, the scope still illuminates a broad area, providing a detailed image of any lesions within the field of view. This exceptional luminosity is especially useful when observing with NBI.

Pre-freeze Function
The scope continuously captures still images even before you press the Pre-freeze button. When you press the button, the system automatically selects the sharpest image among several images.

Continuous capture
Several images saved in internal memory are detected

Narrow Band Imaging
NBI uses only wavelengths absorbed by hemoglobin for maximum contrast. Although it has a small diameter, the scope still illuminates a broad area, providing a detailed image of any lesions within the field of view. This exceptional luminosity is especially useful when observing with NBI. During endoscopic observation, NBI enhances visualization of the capillary network and mucosal morphology. Olympus Narrow Band Imaging (NBI) is an optical technology available for a variety of medical disciplines which helps to visualize the most minute vascular and mucosal patterns. NBI uses only wavelengths absorbed by hemoglobin for maximum contrast. A number of studies highlight the clinical value of NBI especially with regard to the detection of cancer and characterization of suspicious mucosal areas. Compared to white-light endoscopy, the images of capillaries are less blurred and the probability of missing a lesion is reduced.

Astounding Image Quality
With advances in CCD technology, ENF-VH2 delivers HD images, which show even-greater detail for examinations.

Surprisingly Slim Diameter
The distal end of the ENF-V4 scope is only 2.6 mm in diameter. Also, the difference between diameters of the distal end and the insertion tube is minimal. This makes insertion into tight nasal passages much easier. Even with its slim diameter design, the ENF-V4 delivers the same exceptional image quality as conventional models.

Rhinolaryngo videoscope
ENF-VH2 - HD type -
Available
Total length: 700 mm
Insertion section working length: 300 mm
Model: ENF-VH2
Distal end outer diameter: ø 2.9 mm
Light diffusion area: ø 12.8 mm
Depth of field: 15 mm
Direction of view: 110°
Optical system: HD type
Insertion section: WLJPÄJH[PVUZ
Remote Switch: OTV-S300/OTV-S200
NBI: Available
White Light: Available
Dome-shaped lens: OLYMPUS Glass (ENF-V2)
Remote Switch: Transparent resin

Rhinolaryngo videoscope
ENF-V4 - Slim diameter type -
Available
Total length: 700 mm
Insertion section working length: 300 mm
Model: ENF-V4
Distal end outer diameter: ø 2.6 mm
Light diffusion area: ø 9.6 mm
Depth of field: 15 mm
Direction of view: 110°
Optical system: Slim diameter type - HD type -
Insertion section: WLJPÄJH[PVUZ
Remote Switch: OTV-S300/OTV-S200
NBI: Not available
White Light: Not available
Dome-shaped lens: Transparent resin
Remote Switch: Transparent resin

Rhino-laryngo videoscope
ENF-V2
Model: ENF-V2
Distal end outer diameter: ø 3.6 mm
Light diffusion area: ø 13.5 mm
Depth of field: 15 mm
Direction of view: 110°
Optical system: Slim diameter type - HD type -
Insertion section: WLJPÄJH[PVUZ
Remote Switch: OTV-S300/OTV-S200
NBI: Available
White Light: Available
Dome-shaped lens: Transparent resin
Remote Switch: Transparent resin
**ENF-VH2**

**ENF-V4**

### Specifications

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### Compatible Video Processor

- VISERA ELITE II VIDEO SYSTEM CENTER
  - OTV-S300/OTV-S200
- EVIS EXERA III VIDEO SYSTEM CENTER
  - CV-190

### Accessory Lineup

- ENT SCOPE HANGER®
  - MAJ-2145
  - *Attaches to Olympus Compact Trolleys and Mobile Workstations*

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