ENF-VH, for more detailed images achieved by HD

- HD
- Wide angle
- Exceptional illumination field
- Pre-freeze Function

ENF V3, crisp, high-resolution images with a distal end diameter of only 2.6 mm

- Distal end outer diameter 2.6 mm
- High image quality
- Exceptional illumination field
- Pre-freeze Function
Astounding Image Quality

OLYMPUS leads the world in endoscopes. We always listen carefully to physicians and specialists on the medical front lines. Over and over, they have made two comments that continually resonated with us: “We want to make every diagnosis more accurate,” and “We want smoother instruments for our patients.” We drew upon our decades of endoscope expertise and combined it with OLYMPUS propriety optical technology. Now we can offer two new scopes: ENF-VH, with HD high definition, and ENF-V3, which maintains high image quality while reducing the overall diameter down to a mere 2.6 mm. While these two new products OLYMPUS offers a new revolution in endoscopy for endoscopy videoscopes.

Surprisingly Slim Diameter

The diameter of the ENF-V3 scope is only 2.6 mm in diameter. Also, the difference between diameters of the ENF-VH and the ENF-V3 is nominal. This makes insertion and light delivery much easier, and with the CCD chip, improvement, even the all-magnification endoscopy image quality.

Proprietary OLYMPUS technology improves exam capabilities and simplifies operation

Wide field of view

The scope continuously captures images even before you pull the head assembly. When you release the handle, the system automatically taps the sharp imaging among sound.

Pre-Freeze Function

During endoscopic observation, differences visualization of the cavity reveals and mucosal morphology.

NBI (Near-Infrared Imaging)

During endoscopic observation, differences visualization of the cavity reveals and mucosal morphology.

Exceptional luminosity

Although it has a small diameter, the scope still delivers a transparency exceeding that of conventional endoscopes. When the light is on, this exceptional luminosity is evident, and users can maintain their OLYMPUS.
OLYMPUS leads the world in endoscopes. We always listen carefully to physicians and specialists in the medical field. Over and over, they have made two comments that continually resonated with us: "We want to make every diagnostic more accurate," and "We want smoother treatments for our patients." We drew upon our decades of endoscope expertise and combined it with OLYMPUS proprietary optical technology. Now we can offer two new endoscopes, ENF-VH with HD high definition, and ENF-V3, which maintain high image quality while reducing the outer diameter to a mere 2.6 mm. With these two new products, OLYMPUS offers a new endoscopic environment for endourology videoscopes.

Astounding Image Quality

OLYMPUS technology improves exam capabilities and simplifies operation

Proprietary OLYMPUS technology improves exam capabilities and simplifies operation

Exceptional luminosity

Although it has a small diameter, the scope efficiently transmits a beam of light, providing a high magnification of image detail when the light is on. This exceptional luminosity is essential to performing endoscopic procedures.

Wide field of view

The ENF-VH has a wide viewing area of 110°, even with HD resolution and exceptional luminosity. Every corner of the field can be thoroughly examined.

Pre-freeze function

The scope continuously captures images even before you push the freeze button. When you release the button, the system automatically sends the shaped image among scenes.

NBI (Near Infrared Imaging)

During endoscopic observation, differences in the clarity of vessels and mucosal morphology are visualized.
Pushing the envelope of high definition and seeking ever greater detail OLYMPUS offers two new solutions

OLEPUS leads the world in endoscopes. We always listen carefully to physicians and nurses on the medical front line. Over and over they have told us, “We want to make every diagnosis more accurate,” and “We want smoother treatments for our patients.” We drew upon our decades of endoscope expertise and combined it with OLYMPUS proprietary optical technology. Now we can offer two new videoendoscopes, ENF-V3, with HD high definition, and ENF-VH, which maintains high image quality while reducing the outer diameter to 2.6 mm. With these new products OLYMPUS offers a new level of convenience for videoendoscopy.

Astounding Image Quality

HD
IRIS technology: OLYMPUS technology, HD provides high-image quality, with ollow aper ture greater detail in examinations.

Proprietary OLYMPUS technology improves exam capabilities and simplifies operation

Exceptional luminosity

Although it has a smaller diameter, the scope still maintains a tremendous superhigh-definition small image at a distance within the field of view. This exceptional luminosity is a valuable tool when bleeding and submucosal tumors are observed.

Wide field of view

The ENF-V3 has a viewing angle of 150°, with a more realistic and natural field of view. Every corner of the field can be thoroughly inspected.

Pre-freeze function

The scope conveniently captures images even before you push the freezeframe button. When you make observation, the system automatically stops the sharp and precise image among sounds.

Surprisingly Slim Diameter

Ø 2.6 mm

The diameter of the ENF-V3 scope is only 2.6 mm in diameter. This difference between diameters of the endoscope and the maximum image of optical images is a major improvement in the early detection and treatment of lesions. The OLYMPUS scope offers a new level of convenience for in-vivo endoscopy and procedures.
ENF-VH, for more detailed images achieved by HD

- HD
- Wide angle
- Exceptional illumination field
- Pre-freeze Function

ENF V3, crisp, high-resolution images with a distal end diameter of only 2.6 mm

- Distal end outer diameter 2.6 mm
- High image quality
- Exceptional illumination field
- Pre-freeze Function

**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>ENF-VH</th>
<th>ENF-V3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Optical System</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field of view</td>
<td>110°</td>
<td>90°</td>
</tr>
<tr>
<td><strong>Depth of field</strong></td>
<td>5.0-50 mm</td>
<td>3.5-50 mm</td>
</tr>
<tr>
<td><strong>Insertion Tube</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distal end outer diameter</td>
<td>3.9 mm</td>
<td>2.6 mm</td>
</tr>
<tr>
<td>Insertion tube outer diameter</td>
<td>3.6 mm</td>
<td>2.9 mm</td>
</tr>
<tr>
<td><strong>Working length</strong></td>
<td>300 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Bending Section</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angulation range</td>
<td>Up 130°/Down 130°</td>
<td>Up 130°/Down 130°</td>
</tr>
<tr>
<td><strong>Total Length</strong></td>
<td>510 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Number of Remote Switch</strong></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>NBI Available</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Stroboscopic Light Source Available</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Imaging

**ENF-VH**, for more detailed images achieved by HD

- HD
- Wide angle
- Exceptional illumination field
- Pre-freeze Function

---

**ENF-V3**, crisp, high-resolution images with a distal end diameter of only 2.6 mm

- Distal end outer diameter 2.6 mm
- High image quality
- Exceptional illumination field
- Pre-freeze Function

---

## Specifications

<table>
<thead>
<tr>
<th></th>
<th>ENF-VH</th>
<th>ENF-V3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Optical System</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field of view</td>
<td>110°</td>
<td>90°</td>
</tr>
<tr>
<td><strong>Depth of field</strong></td>
<td>5.0-50 mm</td>
<td>3.5-50 mm</td>
</tr>
<tr>
<td><strong>Insertion Tube</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distal end outer diameter</td>
<td>3.9 mm</td>
<td>2.6 mm</td>
</tr>
<tr>
<td>Insertion tube outer diameter</td>
<td>3.6 mm</td>
<td>2.9 mm</td>
</tr>
<tr>
<td><strong>Working length</strong></td>
<td>300 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Bending Section</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angulation range</td>
<td>Up 130°/Down 130°</td>
<td></td>
</tr>
<tr>
<td><strong>Total Length</strong></td>
<td></td>
<td>510 mm</td>
</tr>
<tr>
<td><strong>Number of Remote Switch</strong></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>NBI</td>
<td></td>
<td>Available</td>
</tr>
<tr>
<td>Stroboscopic Light Source</td>
<td></td>
<td>Available</td>
</tr>
</tbody>
</table>

---

**VISERA ELITE System**

- Video Processor: GTCL3597
- NBI Processor: GTCL5059
- Light Source: CLS-1A9
- Endoscopic Handle: ENF-VH/ENF-V3
- Remote Controller: RCL-504

---

**ENF-VH/ENF-V3**

HD clarity or a slim 2.6 mm distal end: two scopes cover most examination needs.