OLYMPUS®

Your Vision, Our Future

26-Inch, High-Definition Imaging Performance Optimized Specifically for Olympus Endoscopic Images

Olympus, the world-wide leader in endoscopic imaging, introduces the OEV261H monitor, designed and calibrated to optimize image performance in endoscopic and surgical procedures

Advanced technologies providing the high image quality required for Olympus endoscopic applications

Full HD compatibility

The OEV261H's 26-inch WUXGA can reproduce full HD pictures on its 1920 x 1200-pixel resolution panel with 16:10 aspect ratio. With such a high level of performance, this monitor can display images from any endoscope, whether it's HD or SD, with higher image quality than ever.

Faithful color reproduction

The OEV261H uses a three-dimensional Look Up Table (3D-LUT) for each RGB color and applies precise 10-bit image processing (1024 steps) to accurately reproduce colors from low to high luminance levels in all video formats.
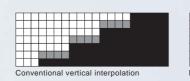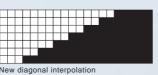
Input signal

R G B ➡ **10-bit 3D-LUT**

Luminance
1024 steps
y
Color space
x

Improved contrast ratio

The OEV261H's extremely high contrast ratio ensures crisp rendition of brighter areas and darker areas, which is helpful when viewing the digestive system, bronchi, abdominal cavity, thoracic cavity, and other anatomical structures.

Diagonal line compensation

To ensure smooth, clear motion images, the OEV261H detects correlations in the diagonal direction to prevent jagged noise on diagonal lines in motion images.
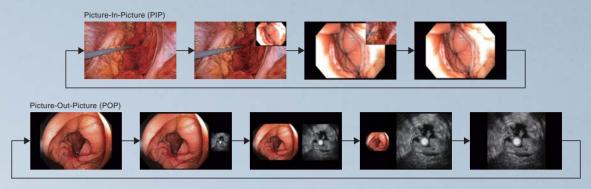
Conventional vertical interpolation

New diagonal interpolation

Various display modes at the touch of a front monitor button

Two-channel image display: Picture-In-Picture and Picture-Out-Picture

The Picture-In-Picture (PIP) and Picture-Out-Picture (POP) display functions allow you to watch different images from two sources when performing combined surgery with flexible endoscopy, or when performing an endoscopic procedure with ultrasound, ERCP, or a position detection system.
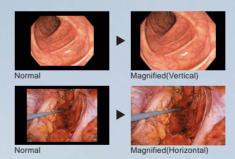
Picture-In-Picture (PIP)

Picture-Out-Picture (POP)

Adjustable image settings according to the modality

Image quality and gamma correction can be separately adjusted for each PIP or POP screen, making it possible to optimize images for different modalities such as GI endoscopes, EUS, ScopeGuide™, and laparoscopes. Any image combination from compatible modalities can be selected for the PIP or POP function.
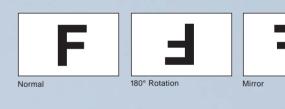
Adjustable image size

Image size can be adjusted to suit your preference using various scanning modes, synchronizing full height and full screen functionality. Olympus flexible videoscope images can be displayed in full height while Olympus surgical videoscope images can be displayed in full screen.

Normal / Magnified(Vertical)

Normal / Magnified(Horizontal)

Rotate and mirror display

180° rotation display and mirror display modes are also available, allowing for customizable orientation based on user preference.

Normal / 180° Rotation / Mirror

Preset settings and customizable user setting

In addition to ten factory-preset settings, twenty user settings can be registered at the touch of a button. These settings can also be recalled instantaneously. Procedural efficiency can be improved and preparation time can be reduced.

PRESET   INPUT   MENU   PIP   POP   SCAN   F1

Multiple input terminals

Multiple HD and SD inputs allow a wide range of video signals to be accommodated (HD/SD SDI (x2), VIDEO, Y/C, Analog, RGB+EXT-Sync, HD15, DVI (x2)). This flexible input compatibility enables many different endoscope systems to be used with this advanced monitor.
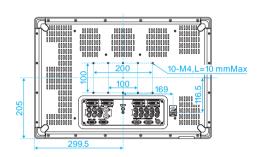
HIGH DEFINITION LCD MONITOR OEV261H

Main Features

- 26-inch full HD LCD panel (WUXGA 1920x1200) with a 16:10 aspect ratio and high contrast and wide viewing angle.

- Color tones are completely calibrated for use with Olympus' flexible endoscopes, surgical camera heads, and EndoEYE video laparoscopes.

- Adjustable image size by using various scanning modes, synchronizing full height and full screen functionality.

- Multiple HD and SD inputs include HD/SD SDI (x2), VIDEO, Y/C, Analog RGB+EXT-Sync,HD15, and DVI (x2).

- With 10 preselected settings and 20 user-selectable settings available at the touch of a button.

- Multi-modality display capability, including Picture-In-Picture (PIP) and Picture-Out-Picture (POP) with various image size combinations.

- Image quality and gamma correction can be separately adjusted for each PIP or POP screen, allowing better image combination among different modalities such as GI endoscopes, EUS, ScopeGuide™, and laparoscopes.

- 180° rotation display and mirror display modes are also available.

Dimensions

Specifications

LCD panel	Screen size	26 inches
	Display devices	a-Si TFT active matrix
	Resolution	1920 × 1200 dots (WUXGA)
	Contrast ratio	1000 : 1
	Aspect ratio	16:10
	Viewing angle	178° (Horizontal & Vertical)
	Number of colors	16.8 million
Size	Dimensions	599 (W) × 410 (H) × 100 (D) mm
	Weight	8.9 kg
	Dimensions (AC adapter)	232 (W) × 50.5 (H) × 177 (D) mm
	Weight (AC adapter)	1.7 kg
Power Supply	LCD monitor	DC IN : 24 V, 5.0 A 5 V, 0.03 A (supplied by AC adapter)
	AC adapter	AC IN : 100 - 240 V, 50/60 Hz, 1.6-0.6 A DC OUT : 24 V 5.0 A 5 V, 0.03 A
Input	HD/SD SDI (1)	BNC connector
	SDI (2)	
	VIDEO	BNC connector
	Y/C	4-pin mini-DIN
	Analog RGB + EXT-Sync/YPBPR	BNC connector

Input	HD15	D-sub 15-pin (×1), VGA (640 × 480, fv = 60 Hz), SVGA (800 × 600, fv = 60 Hz), XGA (1024 × 768, fv = 60 Hz), WXGA (1280 × 768, fv = 60 Hz), SXGA (1280 × 1024, fv = 60 Hz), UXGA (1600 × 1200, fv = 60 Hz), WUXGA (1920 × 1200, fv = 60 Hz)
	DVI (1)	DVI-D connector, VGA (640 × 480, fv = 60Hz), SVGA (800 × 600, fv = 60 Hz), XGA (1024 × 768, fv = 60 Hz), WXGA (1280 × 768, fv = 60 Hz), SXGA (1280 × 1024, fv = 60 Hz), UXGA (1600 × 1200, fv = 60 Hz), WUXGA (1920 × 1200, fv = 60 Hz), 480/59.94p, 576/50p, 720/59.94p, 720/60p, 1080/59.94i, 1080/60i, 1080/50i, 1080/59.94p, 1080/60p, 1080/50p
	DVI (2)	
Output	HD/SD SDI (1)	BNC connector With active - Through output and auto 75 Ω termination
	SDI (2)	
	VIDEO	BNC connector With loop - Through output and auto 75 Ω termination
	Y/C	4-pin mini-DIN With active - Through output and auto 75 Ω termination
	Analog RGB + EXT-Sync/YPBPR	BNC connector With loop - Through output and auto 75 Ω termination
	HD15	D-sub 15-pin Switched out
	DVI (1)	DVI-D connector Switched out
	DVI (2)	
Remote	GPI connector	D-sub 9-pin
	RS-232C connector	D-sub 9-pin

All clinical images in this leaflet are simulated pictures. Specificationc, design and accessories are subject to change without any notice or obligation on the part of the manefacturer.