



The **Olympus Evis CV-180 Video Processor** offers a Picture-in-picture display for any combination of endoscopic, fluoroscopic, ultrasound, and laparoscopic. The Evis Video System includes high resolution of HDTV imaging capability and can provide some of the best image quality for endoscopes. It can enable observation of capillaries, mucosal structures, and other patterns. The CV-180 Olympus Video System is compatible with the Olympus EVIS 100, 130, 140, and the Evis Exera 160 series endoscope as well as the bronchoscope and surgical endoscopes. The Scope IDTM function for easy endoscopy suite management and for next-generation system expansion. It has the Automatic Iris which eliminates the need for switching between Peak and Average required in conventional manual adjustment.

Features

- Equipped with high-resolution HDTV imaging capability to assure the best-possible image quality for endoscopy and laparoscopy. This enables enhanced observation of capillaries.
- Compatible with EVIS 100/130/40 Series and EVIS EXERA 160 Series scopes as well as bronchoscopes and surgical endoscopes (EndoEYE, 1CCD/3CCD Camera Head, and VISERA videoscopes).
- Narrow Band Imaging (NBI) to enhance the visibility of fine capillaries and the mucosal tissues.
- Two types of structure enhancement are available - the original Type A for observation of larger mucosal tissues with high contrast, and the new Type B for observation of smaller tissues, such as capillaries.
- Electronic magnification enlarges moving or still images by 1.2x or 1.5x with no loss of quality.
- Convenient recording of both still and moving images on xD cards or digital video cassettes using remote control switches. HD/SD SDI output for deterioration-free images.
- Automatic iris eliminates the need for switching between peak and average required in conventional manual adjustment.



Specifications

Dimensions

Height: 91 mm
Width: 370 mm
Depth: 462 mm
Weight: 10.5 kg

Power

Voltage (Voltage Fluctuation): 100~120V, 220~240 AC (Within +/- 1%)
Frequency (Frequency fluctuation): 50/60 Hz (Within +/-1%)
Current consumption: 150 VA
Fuse rating: 5A, 250V
Fuse size: 5, 20mm

Iris

The auto iris modes can be selected using the "iris mode" switch on the front panel. Peak: for use when observing by focusing on a small bright area. Auto: for use when observing by focusing on the image center.

Media

XD-Picture Card (512/256/128/64/32/16 MB), specified by Olympus. MAPC-10 can be used as PC card adapter.

Recording Format

TIFF: no compression, SHQ: approx. 1/3, HQ: approx. 1/5, SQ: approx. 1/10.

Number of recording images

In 16 MB, NTSC/PAL, TIFF: approx. 17/14 images, SHQ: approx. 80/60 images, HQ: approx. 200/150 images, SQ: approx. **/** images.

HDTV signal output

VBS composite (NTSC/PAL), Y/C and RGB; simultaneous output possible.

White balance adjustment

Automatic white balance adjustment is possible using the white balance switch on the front panel.

Standard color chart output

A color bar chart can be displayed by pressing the "SHIFT" + "F7" keys and "arrow" keys on the keyboard.

Automatic gain control (AGC)

The image can be electrically amplified when the light is inadequate due to the distal end of the endoscope being too far from the object.