Main Features

- Equipped with high-resolution HDTV imaging capability to provide the best possible image quality for flexible and rigid endoscopes. Enables comprehensive observation of different organs and tissue.
- Compatible with a wide range of endoscopes and camera heads, both for office and OR.
- NBI is a proprietary optical image enhancement technology that is only available on OLYMPUS products. NBI enhances the visualization of vessels and other tissues on the mucosal surface and is 20% brighter compared to previous models.
- Two types of structure enhancement are available, Type A for observation of larger mucosal structures with high contrast and Type B for observation of smaller structures such as capillaries.
- HD/SD-SDI and DVI output for high-quality digital video image transfer.
- Convenient digital-to-digital recording of still images into portable memory.

Specifications

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Voltage</th>
<th>120 V, 240V AC, within ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>50/60 Hz, within ±1 Hz</td>
<td></td>
</tr>
<tr>
<td>Consumption electric power</td>
<td>160 W</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>Minimum</td>
<td>39 x 21 x 495 mm; 39 x 29 x 468 mm (maximum)</td>
</tr>
<tr>
<td>Weight</td>
<td>6.5 kg</td>
<td></td>
</tr>
</tbody>
</table>

- Classification (medical/electrical equipment) Class I
- Degree of protection against electric shock Depend on applied part. See also applied part (camera head or video scope).
- Degree of protection against explosion The video system center should be kept away from flammable gasses.

- HDTV signal output Analog signal output: Either HDTV (1080/50i) or YPbPr (1080/50i) output can be selected.
- Digital signal output: HD-SDI (1920x1080P 29.97), SD-SDI (1440x1080P 29.97), 3G (1920x1080P, 200 Mbps, 1080i, or 720/50i) can be selected.
- NTSC output: YC, YPbPr, and RGB; simultaneous outputs possible.
- White balance adjustment White balance adjustments possible using the white balance button on the front panel.
- Standard color chart input A color chart button can be displayed.
- Image tone adjustment The following color tone adjustments are possible using the color tone level adjustment button and color tone selector button on the keyboard:
  - Real adjustment: +8 steps Real adjustment: +8 steps + Chroma adjustment: +8 steps
- Automatic gain control (AGC) The image can be electrically amplified when the light is inadequate due to the distance of the endoscope being too far from the object.
- Automatic white balance The brightness is automatically adjusted based on the brightness of the peripheral part, and the brightness is adjusted by the brightness of the endoscopic image.

- Image enhancement setting Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness. Either the structural enhancement or edge enhancement can be selected according to the user setup.
- Snatching the enhancement mode The enhancement level can be selected from 1 level (OFF), 2, and 3 using the image enhancement level button on the front panel.
- Image size selection The size of the endoscopic image is changed using the IMAGE button on the keyboard.
- Freeze An endoscopic image is frozen using an endoscope or the FREEZE button on the keyboard.

- Pre-freezing the endoscopic image Pre-freezing the image with the least amount of color is captured in the set time period before freeze operation and displayed.

- Optical digital observation The optical digital observation can be performed when the endoscope and light source compatible with each optical digital observation mode, NBI observation: This is one of the optical digital observations using the narrow band observation light.
- ISD observation: This is one of the optical digital observations using the wide light.

- Endoscope’s remote switch function The functions of the remote switch on the endoscope can be set in the user preset.
- Reset to defaults The following settings can be reset to their defaults using the reset button on the front panel:

- Remote control The following ancillary equipment can be controlled selected models only.
  - Monitor, DVDR, Video printer, Image frame system

- Documentation
  - Patient data The following data can be displayed on the computer using the keyboard:
    - Patient ID No., Patient name, Sex, Age, Date of birth, Date of recording (time), Image frame No., Video recorder mode, Display image setting, Comments.
  - Displaying the image information The following data can be displayed on the monitor:
    - Image enhancement level: Edge enhancement level: Contrast: Zoom ratio
  - Advance registration of patient data The following data is up to 10 patients can be entered prior to surgery using the keyboard:
    - Patient ID No., Patient name, Sex, Age, Date of birth.

- Portable Memory
  - Media M флэх-карты (Olympus)
  - Recording format MOV ( subtracted JPEG 1/3, approximate, 1/2, and JPEG 1/5, approximate, 1/10
  - Number of recording images MOV ( subtracted JPEG 1/3, approximate, 100 images, JPEG 1/5, approximate, 1000 images
  - Memory Backup
  - Lithium battery Life: 5 years

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

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