EVIS EXERA III VIDEO SYSTEM CENTER

CV-190

Video processing to power advanced endoscopy
## Specifications

### Power Supply
- **Voltage**: 100-240 V AC (NTSC)/220-240 V AC (PAL); within ±10%
- **Frequency**: 50/60 Hz; within ±1 Hz
- **Consumption electric power**: 150 W

### Size
- **Dimensions (W x H x D)**: 370 x 85 x 455 mm; 382 x 91 x 489 mm (maximum)

### Observation
- **Contrast**: Auto: The brightness is adjusted based on the brightest part of the central part and the average brightness of the peripheral part. Peak: The brightness is adjusted based on the brightest part of the endoscopic image. Average: The brightness is adjusted based on the average 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. Structural enhancement: Enhancement of contrast of the fine patterns in the image. Edge enhancement: Enhancement of edges of the endoscopic image.

### Freeze
- **Displaying the record state**: The recording state of the following ancillary equipment can be displayed on the monitor.
- **Displaying the image information**: The following data can be displayed on the monitor.
- **Advance registration of patient data**: Up to 50 patient data can be registered.
- **Portable Memory**: MAJ-1925 (OLYMPUS)

### Memory Backup
- **Portable memory**: Compatible with EVIS 100/130/140/150 Series, EVIS EXERA II 160 Series, EVIS EXERA III 190 Series, and GI/BF/VISERA Series scopes.

### Main Features
- **NBI (Narrow Band Imaging)** in EVIS EXERA III provides twice the viewable distance of EVIS EXERA II and offers much greater contrast between blood vessels and mucosa.
- **Dual Focus** delivers a clearer view whether close up or distant by connecting HQ scopes.
- **The newly designed waterproof one-touch connector enables a one-step connection to the light source and does not require a separate scope cable for the video processor.**
- **A new and improved image processing delivers superior image quality via enhanced color reproducibility, minimized image noise, and reduced halation.**
- **The pre-freeze function selects the clearest still image automatically.**
- **Compatible with EVIS 100/130/140/150 Series, EVIS EXERA II 160 Series, EVIS EXERA III 190 Series, and GI/BF/VISERA Series scopes.**

### Dual Focus
- **A new and improved image processing delivers superior image quality via enhanced color reproducibility, minimized image noise, and reduced halation.**
- **The pre-freeze function selects the clearest still image automatically.**

### Equipment
- **Fog free function**: When a compatible endoscope is connected to the video system center, the fog free function can be used.
- **Switching the method of freezing the endoscopic image**: Pre-freezing: The image with the least blur is selected from the images captured in the set time period before freeze operation and displayed.

### Remote control
- **Endoscope remote switches function**: The functions of the remote switches on the endoscope can be set in the user settings.
- **Reset to defaults**: The following settings can be reset to their defaults using the reset button on the front panel.

### Documentation
- **Portable Memory**: MAJ-1925 (OLYMPUS)
- **Recording format**: 
  - JPEG: 1/24 compression
  - JPEG: 1/10 compression

### Number of recording images
- **Number of recording images**: 

### Memory Backup
- **Memorization of selected setting**: The following settings are held in memory even after the video system center is turned OFF.

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