

OLYMPUS® CV-100 PROCESSOR

- Provides high resolution, true color video imaging without image “break-up” due to developments in instantaneous single plate color chip technology.



Typical Manufacturer's Picture

Specifications

Fast Shutter

For most observations, shutter speed of 1/60 second is used. However, to eliminate blurred photographs when the subject or videoscope is moving, you may select a higher shutter speed of 1/250 second

Iris

Permits selection of either AVERAGE or PEAK exposure measurement. Normally, the AVERAGE setting is used. However, in certain situations, such as observation of the gastric angle, the PEAK setting may be selected. This setting reduces the light on the brightest part of the image, thus allowing more accurate observation and diagnosis.

Mode

Either FIELD or FRAME may be selected. Normally, the FIELD mode is used to obtain movement-free frozen images. However, the FRAME mode enhances vertical resolution, and may be preferred for diagnostic observation of small areas.

Automatic Gain Control

Maintains optimal brightness of the image even in lower light situations.

Hue Adjustment Level Indicator

This control for red and blue provides a broad range of adjustment for fine-tuning the image to meet your individual preference.

Enhancement Selector

Provides three levels of outline or edge enhancement, which can be useful for achieving clearer images of protruding portions of the image and for detailed observation

Sub Screen

When set to ON, a subsidiary image appears at the bottom left of the monitor when the FREEZE button is activated on the videoscope. This feature allows you to maintain a live image at all times while simultaneously observing the frozen image in detail.

VTR Switch (Start/Stop)

For recording the monitor image on videotape. (The VTR must be in record “pause” mode)

Videoprinter Release Switch

For printing the monitor image

Monitor Output Selector

Allows selection of video signal (RGB, Y/C, NTSC) for out to various types of monitor and video ancillary devices. The Y/C output provides optimum utilization of S-VHS videotape recorders.

Remote Switch Function Display

The videoscope has four remote switches and the lighted display indicates which functions have been pre-selected.

Record Destination Selector

A maximum of four still-image recording systems (video image recorder, magnetic disk, videodisk, and digital filter) can be connected and controlled from this selector. This does not control the Videoprinter function.

Videoscope Cable Holder

Securely cradles the videoscope cable connector when not connected to the videoscope to prevent accidental damage.

Keyboard and Keyboard Terminal

Allows data entry to monitor. Data for up to 20 patients can be pre-entered at the start of the day. All screen prompts (ID number, name, sex, date of birth and comments) are automatically erased from the screen after data has been entered to conserve space. Also, entered data can be blanked from the screen, if desired, to display only endoscopic image. Labeling can be superimposed directly on the image to call attention to specific pathology.

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