

VIDEOSCOPE SYSTEM



All-in-one design provides total support for endoscopic treatment and diagnosis

Today there is no question about the benefits of endoscopy. The only question is how to make those benefits available to more of the physicians and patients who need them.

Now, with ACTERA videoscope system, OLYMPUS has found the answer. Whether it is routine upper or lower gastrointestinal endoscopy, bronchoscopy, or more specialized procedures, ACTERA offers a simple, all-in-one solution that integrates a video processor and light source in a single, cost-effective unit that can be connected to a wide range of endoscopes and delivers outstanding image quality and superior functionality.



Outstanding Quality

Improved quality both in imaging and product performance helps ensure more reliable diagnosis.

Functional Operability

Simple, convenient functions optimized to support efficient diagnosis.

Actera

Convenient Compatibility

Compatibility with upper and lower GI scopes as well as bronchoscopes ensures applicability in a broader range of cases.



ACTERA, a combination of the words "active" and "era", symbolizes endoscopy's new era of active growth and expansion.

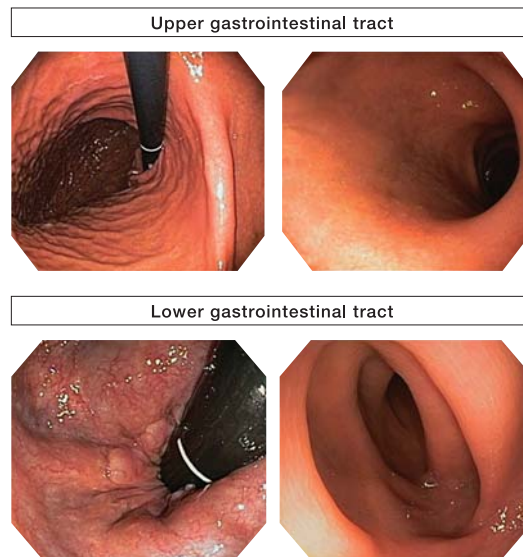


Outstanding Quality

From its image performance to its technical specifications, the quality of ACTERA has been improved in every aspect. This in turn enhances reliability and allows doctors to be confident in the accuracy of their diagnosis.

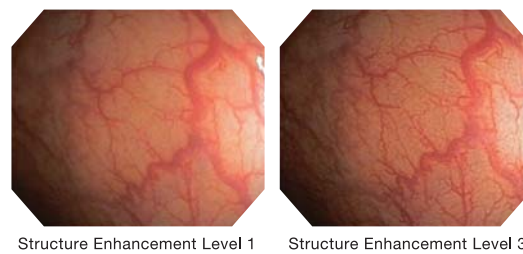
OLYMPUS-signature “Q” image quality for subtle observation.

The GIF-Q150 gastrointestinal videoscope and the CF-Q150L/I colonovideoscope built-in the state-of-the-art CCD help to depict subtle texture and alterations in mucosal and capillary structures. A clear large image size makes them easier to view. The outer diameter of the GIF-Q150 and the CF-Q150L/I has been achieved at 9.2 mm and 12.8 mm respectively both at the distal end and insertion tube, while still providing high-resolution image quality.



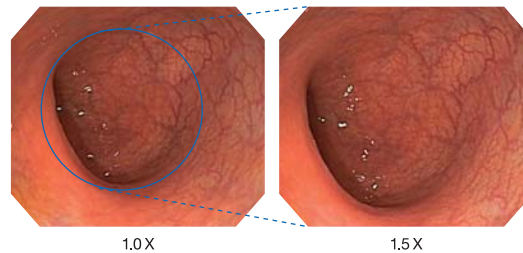
Structure enhancement for sharper and more detailed images

ACTERA features a powerful structure enhancement mode that electronically increases the sharpness of the endoscopic image while minimizing noise. The structure enhancement highlights subtle tissue textures and slight color changes on the mucosa. Enhancement levels are user-selectable from 8 levels.



Electronic magnification for close-up observation

ACTERA's built-in electronic magnification system features advanced enhancement processing that allows enlargement of the images to 1.2X or 1.5X. Zoom into the area of interest at the touch of a button on the scope.

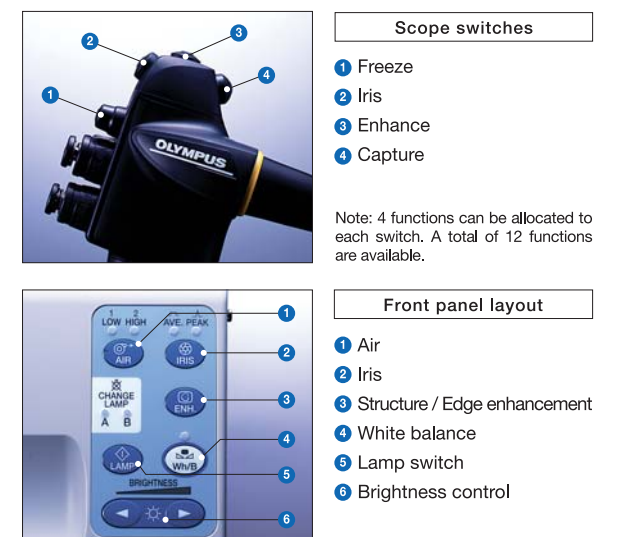


Functional Operability

With an impressive array of functions designed to make operations simpler and more convenient, as well as providing advanced capabilities, ACTERA helps to increase the efficiency of examinations or treatment while streamlining daily procedures.

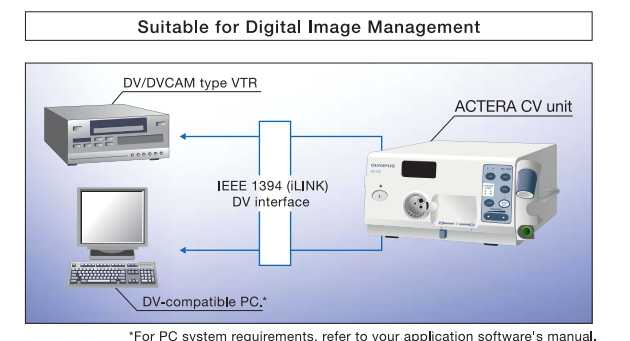
Customizable scope switches and easy-to-use front panel layout

The four switches on an ACTERA scope's control section can be customized to suit individual user preferences. The layout of the controls on the CV-150 processor's front panel has also been carefully considered with a view to optimize operability. ACTERA has been designed to offer outstanding system usability and a wide range of functions in a compact unit.



Digital image transfer

To meet the need for image storage and archiving in digital format, ACTERA features a built-in DV interface (IEEE 1394) that allows images to be transferred to and recorded on a DV/DVCAM type VTR, DVD recorder, or DV-compatible PC.



Automatic white balance

White balance setting is stored on a memory chip in each ACTERA scope. The stored data is automatically transferred to the video processor when the scope is connected. This automatic white balance function realizes necessary white balance adjustments without repetitive manual setting.



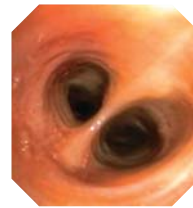
Convenient Compatibility

In addition to upper and lower gastrointestinal scopes, ACTERA is also fully compatible with bronchoscopes, enabling your endoscopy suite to double as a pulmonary lab.

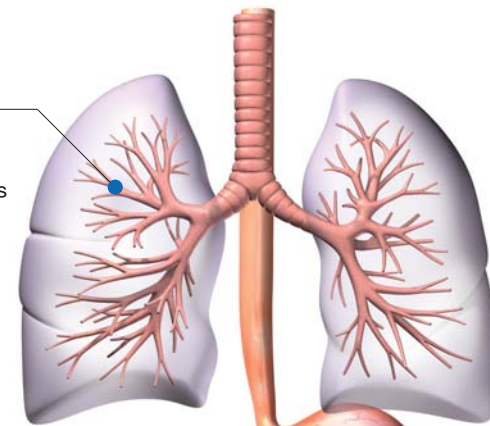
Versatile in various clinical applications for maximum efficiency

Thanks to its compatibility with a wide variety of endoscopes, a single ACTERA system can be used for different applications in different organ systems - from the gastrointestinal tract to the tracheobronchial tree.

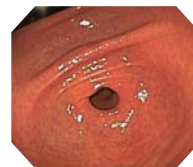
Bronchus



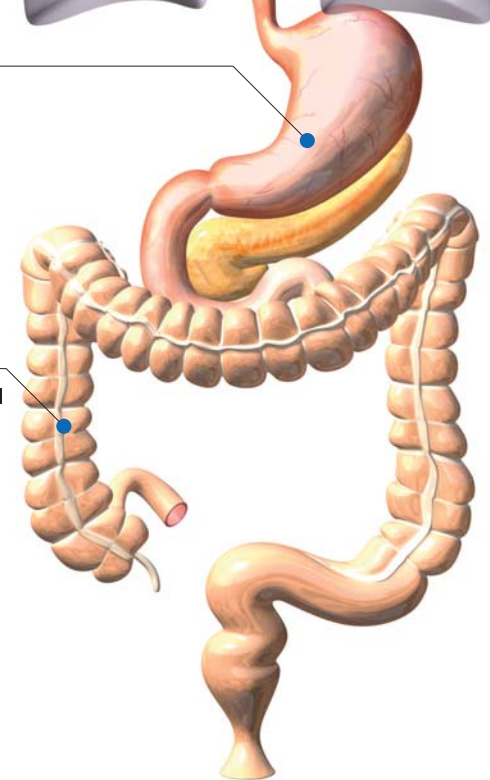
The BF-P150 is suited for routine bronchoscopy with its smooth insertion ability, and the BF-1T150 is designed for treatment in the bronchi.



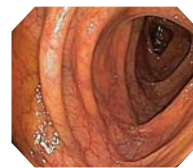
Upper GI tract



The GIF-Q150 is optimized for gastrointestinal examination and treatment.



Lower GI tract



The high-performance CF-Q150L/1 is ideal for examination and treatment of the colon.

Actera

OLYMPUS CV-150

Specifications

| | | |
|---------------------------|--------------------------|--|
| Observation | Video signal output | Y/C, RGB, VBS composite, and XGA signal; simultaneous output is possible. |
| | White balance adjustment | By pressing the white balance switch on the front panel, automatic white balance can be performed. |
| | Color tone adjustment | • "R" control: ± 7steps • "B" control: ± 7steps |
| | Iris mode selection | Average: Normal observation Peak: When focusing on and/or observing a small bright area. |
| 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. |
| | | |
| Documentation | Patient data | The following data can be displayed on the video monitor using the keyboard. 1. Patient ID number 2. Patient name 3. Sex, age 4. Date of birth 5. Comments |
| Illumination | Switching of lamps | Manual |
| | Lamp A | 150 W halogen lamp |
| | Lamp B | (MD-151: JCM 15-150FP, USHIO) |
| | Lamp life | Approx. 50 hours of continuous use. When used intermittently, the lamp life may vary slightly. |
| | Ignition | Switching regulator |
| | Light output adjustment | Light-path diaphragm control |
| Cooling | | Forced-air cooling |
| | | |
| Air Feeding | Pump | Diaphragm type pump |
| | Airflow | "Low", "High", "Stop" |
| Power Supply | Voltage | PAL: 220-240 V AC, NTSC: 100-120 V AC |
| | Frequency | 50/60 Hz |
| Size | Dimensions | 295 (W) × 160 (H) × 414 (D) mm |
| | Weight | 13 kg |

TC-A1



Specifications

| | |
|-------------------------------|--|
| Dimensions | 1165 (H) × 485 (W) × 575 (D) mm |
| Weight | 37 kg (unladen, without SCOPE POLE and LCD arm) |
| Laden Weight (equally loaded) | Top tray: 20 kg (excluding LCD arm (7 kg)) |
| | Shelves: 30 kg |
| | Base tray: 25 kg |
| Monitor | Compatible with LCD monitor of up to 430 mm width, 10 kg |

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