

# High-resolution images are the key to increased diagnostic accuracy

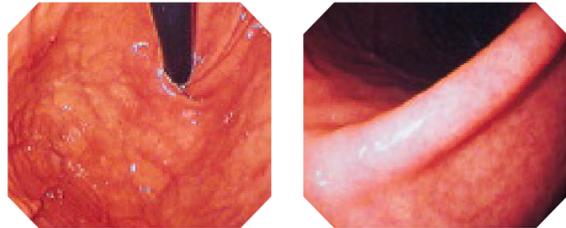
## Clear, high-quality images ensure accurate, reliable observation

With a built-in high-resolution CCD and digital video signal processing circuitry, the Smartage™ Videoscope System is able to deliver sharp, detailed images superior both in picture quality and brightness. Images are clear from edge to edge, ensuring that no detail will be missed, while optimal brightness makes sure that lesions and surface structures are always properly illuminated. Observation is further enhanced by a large-size, easy-to-view display that makes it easy to examine even minute lesions.

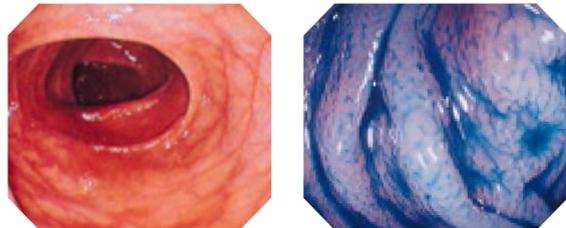
## Three dedicated scopes for the upper and lower digestive tracts

The GIF-V70 offers excellent insertion capability into the upper digestive tract with a 9.2-mm diameter insertion tube and incorporates a 2.8-mm diameter channel. The CF-V70L and CF-V70I are both specifically designed to offer optimal colon insertion flexibility. Each scope has 145° field of view providing wider area of observation. Control sections are compact and lightweight to minimize operator fatigue in extended procedures.

### ■ GIF-V70



### ■ CF-V70L/I



### CV-70 Specifications

Observation	Video signal output	VBS composite (NTSC), Y/C, RGB; simultaneous output is possible.
	Color tone adjustment	* "R" control: ±7 steps * "B" control: ±7 steps
	Iris area selection	Average: Normal observation Peak: When focusing on and/or observing a small bright area.
	Edge enhancement setting	The edges of endoscopic images are enhanced electronically to increase image sharpness. The edge enhancement level can be switched between "Low", "Medium" and "High" using the image enhancement switch on the keyboard.
Documentation	Patient data	The following data and modes can be displayed on the video monitor using the keyboard. Items: 1. ID number 2. Patient name 3. Sex, age 4. Date of birth 5. Date/time (built-in clock) 6. Frame number 7. VTR condition 8. Comments
	Switching of lamps	Manual
Illumination	Lamp A	150 W halogen lamp
	Lamp B	(MD-151: JCM15-150FP, 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
	Air feed	"ON", "OFF" only
Power supply	Voltage	PAL: 200-240 V AC, NTSC: 100-120 V AC
	Frequency	50/60 Hz
Size	Dimensions	295 (W) X 170 (H) X 400 (D) mm
	Weight	13 kg

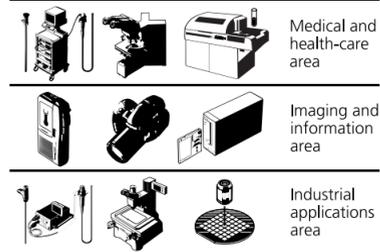
### GIF-V70 & CF-V70L/I Specifications

Type	GIF-V70	CF-V70L/I
Field of view	145 °	145 °
Depth of field	3 to 100 mm	3 to 100 mm
Distal end outer diameter	9.2 mm	13.2 mm
Angulation range	Up 210 °Down 90 ° Right 100 °Left 100 °	Up 180 °Down 180 ° Right 160 °Left 160 °
Insertion tube outer diameter	9.2 mm	12.9 mm
Working length	1030 mm	L: 1680 mm, I: 1330 mm
Total length	1335 mm	L: 1980 mm, I: 1630 mm
Instrument channel inner diameter	2.8 mm	3.7 mm
Endo-Therapy accessory entrance/exit position in field of view		

### OVC-70 Specifications

Connection to video adapter	Screw mount (M22 x 0.75)
Weight	Camera head, 0.14 kg (except cable)
Size	Camera head 29 mm x 87 mm (L)
	Connector section 57 mm x 135 mm (L)
Cable	7 mm x 1.3 m (L)
Compatible video system	CV-70

### Olympus business areas



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**OLYMPUS**

**Smartage**

OLYMPUS VIDEOSCOPE SYSTEM

Welcome To The New Age Of Smart Endoscopy



## Simplicity and versatility are the key to increased efficiency

### HIGH RESOLUTION

Superior image quality and clarity — the Smartage™ Videoscope System lets you proceed with accuracy and confidence.

### COMPACT DESIGN

The world's smallest processor with light source, the integrated Smartage™ Videoscope System saves space in your endoscopy suite.

### SIMPLE OPERATION

The Smartage™ Videoscope System makes operation easy by giving you the functions you need, not the ones you don't.

# Smartage™

Introducing the Smartage™ Videoscope System from Olympus. The world's smallest integrated videoscope system, this system has been carefully designed to maximize efficiency and ease-of-use.



Simplified front panel has the minimum number of required controls with single-action connection to the video and illumination sockets.

Air feed switch

Iris mode selection switch

White balance switch

Brightness adjustment dial

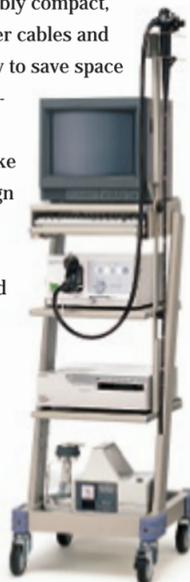
Lamp selection lever

### World's smallest integrated processor/light source

The core of the Smartage™ Videoscope System is the CV-70 video system center. The world's smallest endoscopic video processor with a built-in light source, this remarkably compact, fully integrated unit requires fewer cables and fits snugly in the dedicated trolley to save space in your endoscopy suite. The GIF-V70 and CF-V70L/I scopes have been specifically configured to take advantage of this integrated design with a convenient double-plug connector that allows a single-action connection to the video and illumination sockets.



Single-action connection is quick and easy



### Essential controls are front and center

Because ease of use is Olympus's primary concern, only essential controls are placed on the CV-70's front panel. Controls are exactly where you expect so it's easy for the operator to control the system — even if they are using it for the first time. Other functions that are rarely used or do not require frequent adjustment during a procedure can be fine-tuned on the



menu screen using the provided keyboard.

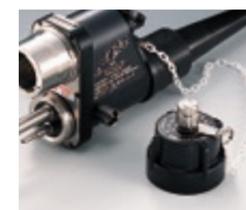
System setup menu allows fine-tuning of functions

Provided keyboard allows various settings



### Smart design for easy maintenance

Olympus has taken special care to ensure that the new Smartage™ Videoscope System is safe, reliable, and easy to maintain. A waterproof cap attached to the scope connector ensures the cap is mounted when the scope is immersed in disinfectant solution. Air/water and suction buttons are silicon-free for easier maintenance.



Water-resistant cap attached to scope connector



Air/water and suction valves

### Access to the full Olympus endoscope lineup

Simply connect the OVC-70 video converter to the Smartage™ Videoscope System and you'll be able to take advantage of the unrivaled versatility of Olympus's wide array of fiber and rigid scopes. It's another smart consideration from Olympus.

#### ■ Connectable scopes via OVC-70

- OES fiberscopes
- E-line fiberscopes
- ENF-P3/P4
- Rigid ENT endoscopes



OVC-70 video converter connects to various scopes via a video adapter.