

# OLYMPUS®



EVIS EXERA XENON LIGHT SOURCE  
**OLYMPUS CLV-160**

# POWERFUL PRECISION ILLUMINATION

Assures clear, accurate observation even of distant points thanks to powerful 300W xenon lamp coupled with an improved condenser design that achieves nearly 30% more light intensity than its predecessor, the CLV-U40



## Primary Features for Powerful Performance

- Powerful 300W xenon lamp for Olympus color CCD videoscope system.
- New and improved condenser design helps achieve nearly 1.3 times as much light intensity as the CLV-U40.
- Illumination capability to cover even more distant points assures sufficient brightness when retroflexing the scope tip, observing the lower esophagus, and more.
- Improvement in light adjustment levels helps maintain appropriate brightness even when observing at extremely close range or observing the gastric angulus from directly in front.
- 35% reduction in overall size compared to its predecessor, with width reduced by a full 80 mm, saving space in your endoscopy suite.
- Simple membrane switches and clear indicators on the front panel for improved operability.
- Compatible with conventional Olympus color CCD videoscopes and fiberscopes.



### Specifications

Automatic brightness control	Automatic brightness control method	Servo-diaphragm method
Air feeding	Automatic exposure	17 steps
	Pump	Diaphragm pump
	Pressure switching	4-level switching by switches (" OFF " " L " " M " " H ")
Water feeding	Method	Air pressurization or detachable water container
Indicators on front panel	Emergency lamp	Reports absence of emergency lamp, disconnection and use of emergency lamp.
	Filter	Identifies a special-purpose filter setting.
Setting memory		Settings (except filter setting) are stored by an internal battery even when the power is turned OFF.
Illumination	Lamp	Xenon short-arc lamp (ozone-free) 300 W
	Average lamp life	Approx. 500 hours on continuous use (On intermittent use, the lamp life may vary slightly.)
	Ignition method	Switching regulator
	Brightness adjustment	Light-path diaphragm control
	Cooling	Forced-air cooling
	Color conversion	Possible by using exchangeable filter
	Emergency lamp	Halogen lamp 12 V 100 W
	Average emergency lamp life	Approximately 100 hours
Classification (medical electrical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied part	Type BF applied part (The applied part where classification types are not marked is Type BF applied part.)
Power supply	Voltage	NTSC 100–120 V AC, PAL 220–240 V AC
	Frequency	50/60 Hz
	Input current	NTSC 5 A, PAL 3 A
Size	Dimensions	370 (W) X 135 (H) X 420 (D) mm
	Weight	15 kg

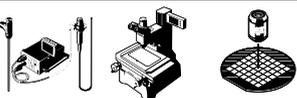
### Olympus business areas



Medical and health-care area



Imaging and information area



Industrial applications area

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