

CLV-190

Video Xenon light source - one-touch access to HDTV and NBI.



Main features

- NBI (Narrow Band Imaging) in EVIS EXERA III 190 series scopes provides twice the viewable distance of EVIS EXERA II 180 series scopes and offers much greater contrast between blood vessels and mucosa thanks to an improved lamp design and signal processing
- The newly designed waterproof one-touch connector allows a one-step connection to the light source and does not require a scope cable
- Considerable reduction in operating noise thanks to a redesigned fan
- Link connection to peripheral devices avoids complicated cable connections and accelerates transmission speed
- Automatic light adjustment to achieve ideal illumination for observation with each scope



Specifications

Power supply	Voltage	100–240 V AC; within $\pm 10\%$
	Frequency	50/60 Hz; within ± 3 Hz
	Consumption electric power	600 VA
Size	Dimensions (W × H × D)	370 × 150 × 476 mm (standard) 390 × 162 × 551 mm (maximum)
	Weight	19 kg
Illumination	Examination lamp	Xenon short-arc lamp (ozone-free) 300 W
	Average lamp life	Approximately 500 hours of continuous use. (With intermittent use, the lamp life may vary slightly.)
	Ignition method	Switching regulator
	Brightness adjustment	Light-path diaphragm control
	Cooling	Forced-air cooling
	Intensity mode	Normal or high intensity
	NBI observation	Available
	Colour conversion	Possible using special-purpose filter
	Emergency lamp	Halogen lamp (within mirror) 12 V 35 W
Automatic brightness adjustment	Average emergency lamp life	Approximately 500 hours
Automatic brightness adjustment	Automatic brightness adjustment method	Servo-diaphragm method
	Automatic exposure	17 steps
Air feeding	Pump	Diaphragm type pump
	Pressure switching	4 levels available (OFF, low, medium, high)
Water feeding	Method	Feeds water by pressurising the detachable water container with air.
Indicators on front panel	Emergency lamp	Indicates absence of emergency lamp, disconnection and use of emergency lamp.
	NBI	When the NBI observation is enabled, the NBI indicator lights up.
	PDD	When the PDD observation mode is enabled, the PDD indicator lights up.
Setting memory		Settings (except filter setting) are stored even when the light source is off.
Classification (medical electrical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied part	Depends on applied part. See applied part (camera head or videoscope).
	Degree of protection against explosion	This instrument should be kept away from flammable gases.

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