

EVIS EXERA III VIDEO XENON LIGHT SOURCE

## CLV-190

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 and a significantly brighter image, 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 redesigned fan.
- Link connection to peripheral devices avoids complicated cable connections and accelerates transmission speed.
- Automatic light adjustment to achieve the ideal illumination for observation with each scope.



## Specifications

|   |   |   |
|---|---|---|
| Power Supply                                  | Voltage   | 100–240 V AC; within $\pm 10\%$   |
|   | Frequency   | 50/60 Hz; within $\pm 3$ Hz   |
|   | Consumption electric power                                  | 600 VA  |
| Size  | Dimensions (W x H x D)                                      | 370 x 150 x 476 mm (standard)<br>390 x 162 x 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   |
|   | Color conversion  | Possible using special-purpose filter   |
|   | Emergency lamp  | Halogen lamp (within mirror) 12 V 35 W  |
| 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 pressurizing 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 NBI observation is enabled, the NBI 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 also applied part (camera head or videoscope)                          |
|   | Degree of protection against explosion                      | This instrument should be kept away from flammable gases.   |

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