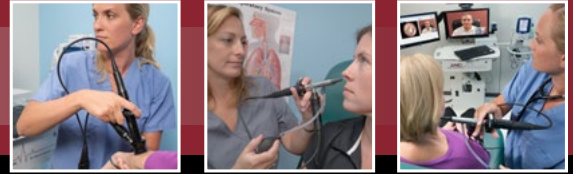


Camera & Illumination System

AMD-500



Crisp, Clear Diagnostic Imaging with Sharp Edge Definition

The *Camera & Illumination System* is an integrated camera and light source device that drives a wide variety of medical scopes to ensure a quality digital image is captured and delivered for further examination and evaluation. The integrated LED illumination and light source deliver exceptional quality images with accurate tissue color representation.



Product Features:

- **LED illumination** produces white light that delivers improved visibility of true tissue color, even with the smallest of fibers.
- **One-touch white balance** ensures accurate colors are captured for quality medical images.
- **Unique edge enhancement** for both flexible and rigid scopes ensures sharper definition across the entire image and well-defined pathologies.
- **Compatible with a nearly all optical instruments** to broaden range of capabilities.
- **Integrated camera and light system** work together in a single unit, to maximize performance.
- **Durable construction** (solid camera housing, reinforced cable rugged system chassis, and LED light source) guarantees long life under continuous use.
- **Low cost of ownership** with new LED technology that will last the life of the camera.
- **No bulbs to exchange** - long lifetime (>10,000 h).

Universally Compatible with a Range of Medical Scopes

The *Camera & Illumination System* is used to deliver powerful illumination for a variety of scopes from AMD as well as any standard c-mount ACMI, Wolf or Storz light source or camera attachments.



ENT Scope



Naso-Pharyngoscope



Sinuscope



Dermascope



Laparoscope

Technical Specifications:

Physical Dimensions:

- 10.03" (w) x 8.93" (d) x 3.64" (h) / (25 cm x 23 cm x 9 cm)
- Weight: 7.8 lbs (3.5 kg)

Average Life of Light Source: 10,000 Hours

Light Intensity: 150 lumens

Color Temperature: 6737 K

Camera Head:

- Available in either PAL or NTSC
- Image Sensor: ½" CCD

Picture Elements: PAL: 752 (H) x 582 (V) / NTSC: 768 (H) x 494 (V)

Horizontal Resolution: 625 lines at PAL, 525 lines at NTSC

HD Resolution Options:

- 1920 x 1080 pixels and 16:9 aspect ratio
- 1280 x 720 pixels and 16:9 aspect ratio
- 1024 x 768 pixels and 4:3 aspect ratio

Camera Controller:

- Supply Voltage: 12V DC
- Energy Consumption: 24 W
- Fuse: 2.0 A(T); 5 x 20 mm
- Brightness Control: automatically
- Outputs:
 - ◆ 1 x DVI-D (only for HD)
 - ◆ 1 x S-Video (Y/C)
 - ◆ 1 x Video (Composite/CVBS)
 - ◆ 1 x USB 2.0

PC Minimum Requirements:

- USB 2.0 interface
- CPU > 2 GHz
- RAM > 256 MB

Mains Adapter:

- Input: 100 V - 240 V AC; 1.22 A - 0.68 A AC; 47/63 Hz
- Output: max. 60 W; 11 V - 13 V DC

Operating Temperature: 59° F to 95° F (15° C to 35° C)

Storing and Transport Temperature:

- Temperature: - 68° F to 158° F (-20° C to 70° C)
- Relative air humidity: 5 % to 95 %
- Air pressure: 70 kPa to 106 kPa

Options:

- High Definition (HD) 1080p or 720p
- Standard Definition (SD) 480p
- PAL and NTSC video formats available



Image Enhancer for Flexible & Rigid Scopes



One-Touch White Balance and Camera Brightness Controls



Optimal Light Intensity Controls



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