IM4000 High Definition Camera

- TRUE HD-1080p
- 720p, 1080i, 1080p selectable
- Upgradeable FPGA platform
- True autoclavability
- Eye piece, Cartridge, Urology heads available

Increased resolution and three dimensional perception

Reduce Cost of Ownership:
- Autoclavable camera head
- Component level design and manufacturing for reduction of service costs
- ShockFlex™ prism mounting in camera heads for increased durability
## IM4000 High Definition Camera

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<td>High Definition Camera Controller</td>
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<tr>
<td>IM4120</td>
<td>High Definition 3CCD Camera Head - Eyecup</td>
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<td>IM4121</td>
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<td>IM4123</td>
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### Specifications:

**I.E.C. Equipment Classification:** Type BF, Class 1, continuous operation when used with a Type BF Camera Head.

### Typical Operating Requirements:

- **Input Voltage:** 100 - 240 VAC
- **Frequency:** 50/60 Hz
- **Power Consumption:** 80 VA
- **Fuse:** T 1.0A, 250V
- **Line Frequency Leakage:** Chassis to Ground (120VAC): < 100µA
- **Video Outputs:**
  - 1 - Composite - 1.0 Vp-p, Sync Negative, 75 ohms
  - 1 - Y/C: Y - 1.0 Vp-p, Sync Negative, 75 ohms
  - C - (NTSC) - 286 Vp-p, Burst, 75 ohms
  - C - (PAL) - 300 Vp-p, Burst, 75 ohms
  - 2 - DVI - I (Digital)
  - 2 - HD-SDI per SMPTE292M (High Definition Television (HDTV))
- **Native Resolution:** 1920 x 1080 Progressive (1080p)
- **HD Output Resolutions:** 1280 x 720, 1920 x 1080
- **Scanning Frequency:** Vertical - 59.94 Hz (NTSC) 50 Hz (PAL)
- **Auto Shutter Speed:** 1/60 sec. to 1/10,000 sec.
- **Remote Output:** Isolated contact closure, signal duration = 0.5 ±0.1 sec.
- **White Balance:** Automatic, triggered by front panel or camera head button
- **White Balance Range:** 2800K to 6500K
- **Digital Enhancement:** All video outputs
- **Electronic Zoom:** Up to 1.5x, all progressive video outputs, controllable by camera head

### Dimensions

- **Controller:** 4.0" (H) x 14.0" (W) x 14.0" (L)
- **Camera Cable:** 10 ft. (3m)