

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:

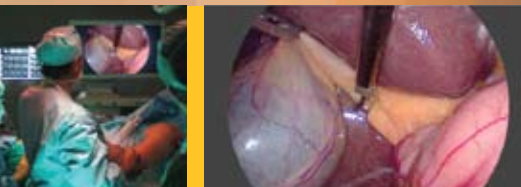
- Autoclavable camera head
- Component level design and manufacturing for reduction of service costs
- ShockFlex™ prism mounting in camera heads for increased durability



CLEARLY TRUE HIGH DEFINITION™

True **HD**

IM4000 High Definition Camera



CLEARLY TRUE HIGH DEFINITION™
True HD

Catalog Number

IM4000
IM4120
IM4121
IM4123

Description

High Definition Camera Controller
High Definition 3CCD Camera Head - Eyecup
High Definition 3CCD Camera Head - Cartridge
High Definition 3CCD Camera Head - Urology

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) 1920 x 1080 Progressive (1080p) 1280 x 720, 1920 x 1080 Vertical - 59.94 Hz (NTSC) 50 Hz (PAL) 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
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) 10.2 cm (H) x 35.6 cm (W) x 35.6 cm (L)
Camera Cable:	10 ft. (3m)

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