

BIOMED
ENDO-VISION Technologies



Endo-Vision HD 4000

ENDOSCOPY CAMERA SYSTEM

Specifications:

Model # : Endo-Vision HD 4000

Signal System	PAL	NTSC
Image Sensor	1/1.9" Sony CMOS Full HD 1080p Sensor	
Total Pixels	2000 (H) x 1241 (V) approx. 2.48M pixels	
Unit Cell Size	3.75 μ m (H) x 3.75 μ m (V)	
Scanning Frequency	H: 15.625 KHz / V: 50 Hz	H: 15.734 KHz / V: 59.94 Hz
Frame Rate	50 Fps @ 1080p	60 Fps @ 1080p
Sensor Resolution	2.13 Megapixel 1080p	
Effective Pixels	1945 (H) x 1097 (V) approx. 2.13M pixels	
Focal Length of Lens	22 mm. (ENT) / 28 mm. (Laparoscopy)	
Gain Control (AGC)	0 - 10 Steps	
Brightness Control	0 - 20 Steps (Adjust according to light source intensity)	
Output	1 HDMI , 1 3G-SDI	
Input	1 USB Input (Upto 128 GB Pen Drive) 1 PC Input (Windows)	
Recording Resolution	1080p Full HD @ 60 fps	
Snapshot Resolution	1920 x 1080 Pixels	
Digital Zoom	1x- 10x	
Recording Mode	Via USB Pen Drive	
Min. System Requirement for PC	OS : Windows 7,8,10 , Ram : 16 Gb , Intel i5 / i7 , Memory : 512 Gb , Graphics: 2 Gb	
Sharpness	0-10	
Color	0-10	
White Balance	PUSH LOCK	
Camera Cable Length	3 Meters Ultra Soft Silicon Cable	
HDMI Cable Length	2 Meters Ultra Slim	
Power Cable Length	1 Meter	
Supported Endoscope	Rigid Endoscopes / Flexible Endoscope (Optional)	
Connector	Push Pull Type	
Power Voltage	12VDC (Camera Head) , AC110V-240V (Control Unit)	
Power Consumption	Max. 2W / 170mA	
Operating Temperature	-10°C ~ +50°C	
Operating Humidity	30% ~ 80% RH	
Dimensions	275 (L) x 220 (W) x 80 (H) mm. (Control Unit) , \varnothing 38 mm. x 97.7 mm. (Camera Head)	
Weight (Net)	Approx. 1800 g. (Control Unit) , Approx. 150 g. (Camera Head without Cable and lens)	

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