



Lumens Medical Pvt. Ltd.
Life Enhancing Technology

HD Endoscope Camera with inbuilt recorder

LM9-HD



LM9-HD



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HD Laparoscopy & Endoscopy Camera



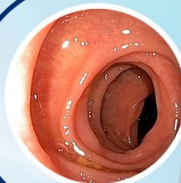
5x Digital Zoom Lens

One touch 5x digital zoom and High Power magnification for detailed inspection and in-depth analysis.



One-Click Recording

Record Full HD videos and images directly into USB drive plugged into control unit by one click record button on control unit or remote



High Colour Accuracy

Achieve high color accuracy even in challenging condition with special 3 layer colour accuracy filter on camera sensor



Full HD 1080p Sony Sensor

Latest 1/2" Sony Sensor with high sensitivity to provide exceptional images even at low intensity of light source with wider field of view as compared to conventional 1/2.8" CMOS



Low delay smooth 60fps live imaging

Fast image with 60 frames per second to get zero delay video necessary for surgical purpose



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CONTROL UNIT ANATOMY



Anti Glare 4K Optics for HDR

Latest 4K Optical glass lens with anti-reflection coating to produce noise-free images with sharper details.



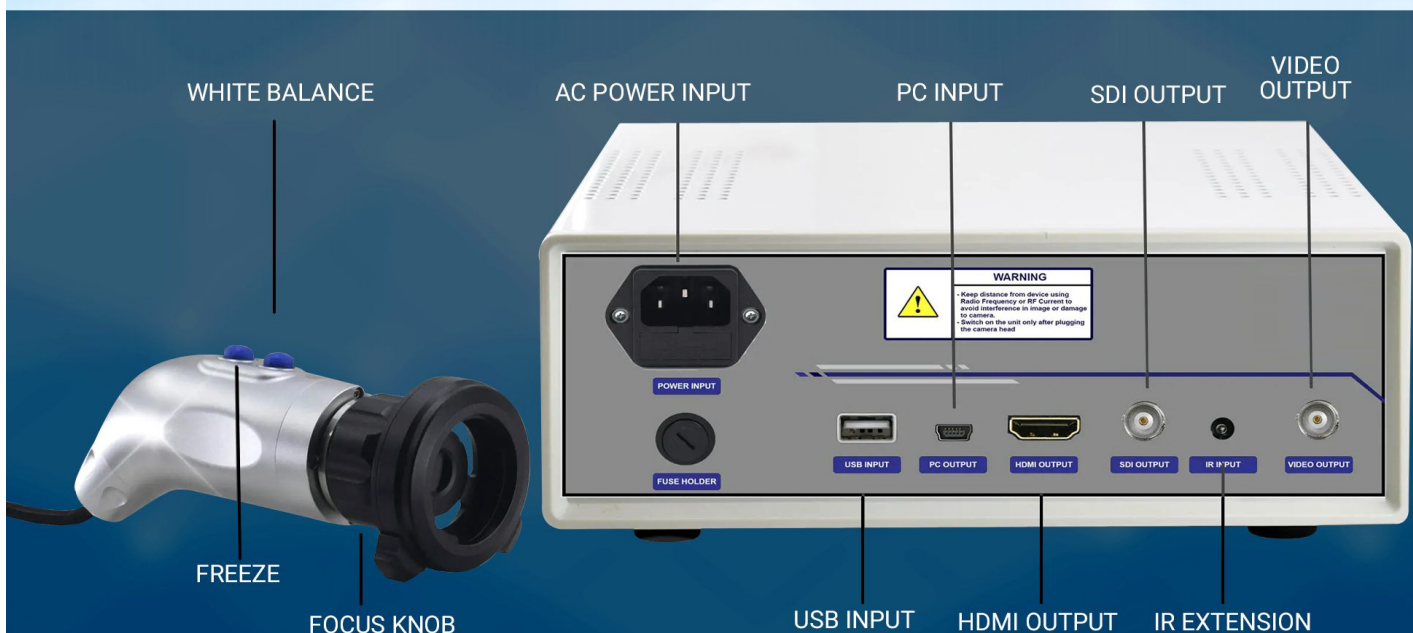
PC Input

Directly connect the control Unit to PC / Laptop and view the video in software provided with camera.



Full HD Recording & Image

Record Full HD Videos at 60fps with just one press button on front panel directly into USB drive.



LM9-HD

SPECIFICATIONS

Model	LM9-HD	
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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An ISO 9001, ISO - 13485, CE, WHO cGMP, ISO -1400 Certified Company

2-24-113/3/B/NR, Laxmi Narayana Nagar, Uppal, Hyderabad - 500039
Telangana, India. Tel: 9849466520, 7997192056, 6309995893

Available at:

XAVIER Med Pvt. Ltd.

1-10-51/2, Road 6B, Dwarakapuram,
Dilsukhnagar, Hyderabad - 500060

www.buyxavier.com

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Service: 8008895079