

ESC[®]
MEDICAMS

Full HD 1080p Endoscopy Camera
with inbuilt recorder

FHD-LP-4000R



ESC
MEDICAMS

FHD-LP-4000R

Full 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 AND SNAPSHOT

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 COLOR ACCURACY

Achieve high color accuracy even in challenging condition with special 3 layer color 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



FHD-LP-4000R

CONTROL UNIT ANATOMY



**LOW DELAY
SMOOTH 60 FPS
LIVE IMAGING**

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



**ANTI GLARE
4K OPTICS
FOR HDR**

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



**FULL HD 1080P
RECORDING &
IMAGE CAPTURE**

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



PC INPUT

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

WHITE BALANCE

AC POWER INPUT

PC INPUT

SDI OUTPUT

VIDEO OUTPUT



FREEZE

FOCUS KNOB



POWER INPUT

FUSE HOLDER

USB INPUT

PC OUTPUT

HDMI OUTPUT

SDI OUTPUT

IR INPUT

VIDEO OUTPUT

USB INPUT

HDMI OUTPUT

IR EXTENSION

WARNING
- Keep distance from device using Radio Frequency or RF Current to avoid interference in image or damage to camera.
- Switch on the unit only after plugging the camera head

ESC MEDICAMS
ISO
CE
FULL HD 1080P
FULL HD CAMERA CONTROL UNIT & RECORDER
MODEL : FHD-LP-4000R CONTROL UNIT WITH IN-BUILT RECORDER
INPUT : AC 110 - 240 Volt - 50/60 Hz - 0.5A
OUTPUT : DC 12 Volt - 1.5A
MADE IN INDIA
S/N : 201-208-0110201

FHD-LP-4000R

SPECIFICATIONS



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Model	FHD-LP-4000R	
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)	