



Lumens Medical Pvt. Ltd.  
Life Enhancing Technology

# Endoscopy 1-Chip HD Camera




LM-8

1.2 Megapixel with HDR Technology



Clear images  
with true colours  
Easy white  
balance key  
One click away  
from perfection



Waterproof  
design  
Prevent dust  
and fogging



Latest CCD  
Image Sensor  
Get the Best  
of Technology

High durability & long life Medical grade control Unit



## HIGH FLEXIBILITY

COMPATIBLE WITH ALL BRANDS  
RIGID ENDOSCOPES

### Technical Specifications

Model	LM-8	
Signal System	PAL	NTSC
Image Sensor	1/3" Super HAD CCD II(Double Scan)	
Effective Pixels Number	976 (H) x 582 (V) 570K	976 (H) x 494 (V) 480K
Scanning System	2:1 Interlace	
Scanning Frequency	H: 15.625 KHz / V: 50 Hz	H: 15.734 KHz / V: 59.94 Hz
Horizontal Resolution	700 TV Lines	
Sensor Resolution	1.2 Megapixel	
Camera Cable Length	3 Meter	
Video Cable Length	1.5 Meter	
Focal Length of Lens	22 mm.	
Exposure Control	Auto	
Output	1 Video Output ( BNC Composite )	
Min. Illumination	Color: 0.1 Lux (50IRE) / 0.0002 Lux (DSS) B/W: 0.08 Lux (50IRE) / 0.00005 Lux (DSS)	
Sync. System	Internal	
S/N Ratio	More than 52dB (AGC Off)	
Video Output Level	1.0V p-p (75 Ohm Unbalanced, Composite)	
Electronic Shutter Speed	Auto	
Lens Mount	CS Mount	
Day & Night System	TDN (with IR-cut filter)	
Super DNR	OFF /2D (Y 0-15)	
White Balance	PUSH LOCK	
AGC	AUTO (OFF, 37dB)	
SENSE-UP (DSS)	Auto x2 ~ Auto x512	
HLC/BLC	BLC, OFF, HLC (High Light Compensation)	
WDR	ON / OFF( HIGH, MID, LOW)	
Connector	Screw 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	195 (L) x 220 (W) x 80 (H) mm. (Control Unit) , Ø 34 mm. x 67.7 mm. (Camera Head)	
Weight (Net)	Approx. 690 g. ( Control Unit ) , Approx. 100 g. ( Camera Head without Cable and lens )	



**Lumens Medical Pvt. Ltd.**

*Life Enhancing Technology*

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

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