



FULL 1080i HD 12mm DIAMETER REMOTE HEAD LIPSTICK CAMERA

Main Features:

- 1/3" 1-CMOS colour sensor
- Output 1080i 30fps, 720p and 480p @ 60 fps
- Accepts 3.1, 6, 16 or 30mm lenses with adjustable iris (other lenses available)
- 3 or 5 metre camera - CCU cable
- Multi function Camera Control Unit
- CCU powered via USB Mini-B
- Mini HDMI and analogue NTSC output
- Tripod mount beneath CCU
- 1 Year Warranty
- Other lipstick camera options available:



NEW super compact Full HD at 1080i 12mm diameter remote head lipstick camera system for a wide variety of applications.

The FHD-12 12mm diameter can be utilised as a direct replacement for the long discontinued Toshiba IK-UM51H and ELMO UP-50H lipstick camera but with the advantage of having Full HD output. The camera uses a separate Camera - CCU cable with 3 and 5 metre lengths available as standard.

A selection of lenses are available for the FHD-12 and original Toshiba and ELMO camera lenses are also compatible.

These cameras are ideal for a wide range of applications in different industries including:

- Industrial video / inspection systems
Including Nuclear, Engine Inspection, Furnaces, Welding, Machining Processes, etc
- Miniature POV Broadcast Camera
- Natural history filming
- Covert security camera
- Scientific imaging / diagnostics
- Medical Endoscopy, Microscopy, etc.



SeeSense are able to provide full technical assistance and back up for this camera.

Contact SeeSense for further information.

Rev: 1.026.0217 E.&O.E.

Camera Specification:

Power Requirements	5 V DC (USB power : USB Mini-B) AC Adaptor: AC 100V~240V 50 Hz/60Hz
Power Consumption	1.75W
Image Sensor	1/3-inch CMOS (2MP)
Sensor Area	4.8mm x 3.6mm
Active Pixels	Horizontal: 2304, Vertical: 1536 pixels
Effective Pixels	Horizontal: 2304, Vertical: 1296 pixels
Pixel Size	2.2µm x 2.2µm
Resolution	1080i@30fps, 720p@60fps/480p@60fps
Video Resolution	1920x1080, 1280x720, 848x480
Syncronization	Internal
Signal/Noise Ratio	39 dB
Minimum Illumination	0.5 lux
Sensitivity	0.2 lux (30 IRE) at F1.2
Scanning Mode	Interlace / Progressive
Shutter Type	ERS
Shutter Modes	AUTO: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 Sec
Frame Rate	Up to 60 fps
Exposure	-2.0, -1.5, -1.0, -0.5, 0.0, 0.5, 1.0, 1.5, 2.0
Back Light Comp.	Automatic
Dynamic Range	69.5 dB
Gain Control	AUTO / Fix1, Fix2, Fix3, Fix4, Fix5

White Balance	AUTO / Manual (R / B Adjustment / One Push)
Digital Zoom	Maximum x2 in 4 steps
Video Output Signals	HDMI (16:9) or CVBS (NTSC) standard
Camera - CCU Cable	3m or 5m (other lengths available)
RS-232 Control	TBC
Remote Control	TBC
Lens Mount	M10.5 x 0.5mm
Dimensions	Camera 12mm (Ø) x ??mm (Without Lens) CCU 120 (D) x 100 (W) x 40mm (H)
Weight	Camera: TBC CCU: 310g
Operating Temperature	0°C ~ +40°C
Humidity	10% ~ 80% (No Condensation)

Cables

Standard lengths - 3 metre or 5 metres long

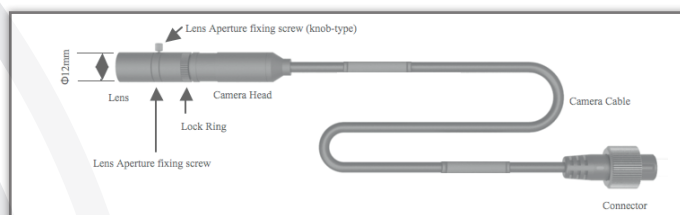
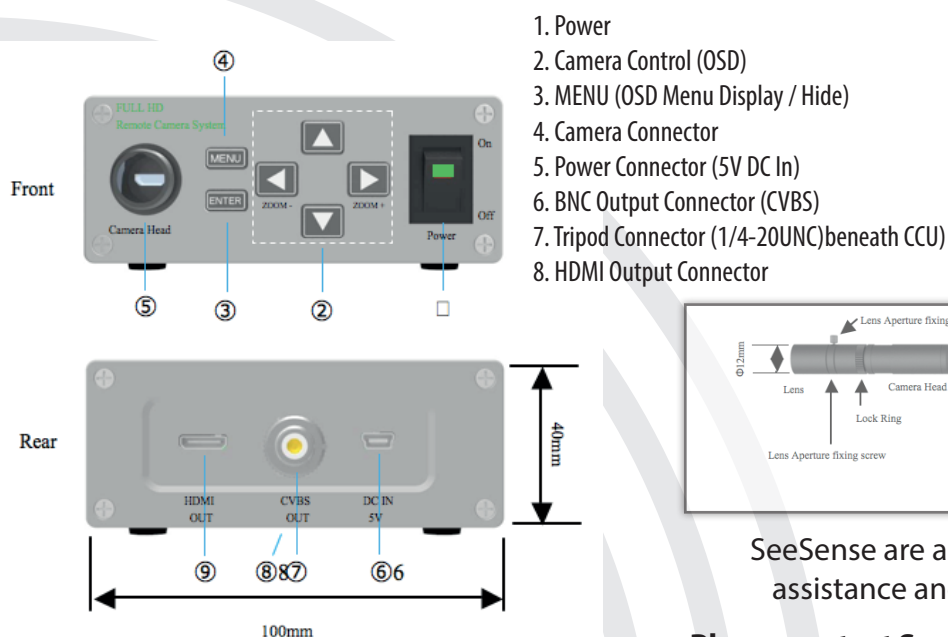
Longer cables : Contact Seesense for availability

Lenses

	Focal Length	H. Angle	Focus Range
MC-f3.1-12	3.1mm	90°	F2.0 7mm~∞
MC-f6-12	6.0mm	42°	F2.0 30mm~∞
MC-f16-12	16.0mm	15°	F3.4 300mm~∞
MC-f30-12	30.0mm	7°	F3.4 800mm~∞

Accessory 5mm Extension tube available

Other lenses available



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