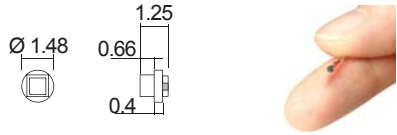
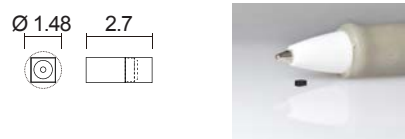


- Feature**
- Compact Size.
 - High quality image, pixel is 400 × 400 @ 30fps.

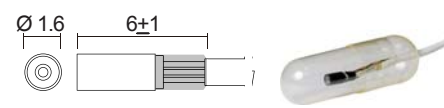
B1001
No Lens / Front View



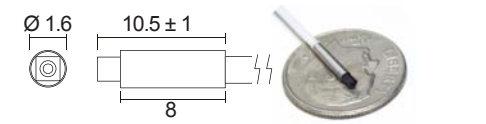
B1001-120
120° Lens / Front View



B1001-91
91° Lens / Front View

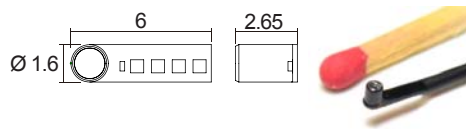


T1001-120
120° Lens / Front View

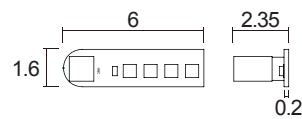


Unit: ± 0.5 mm

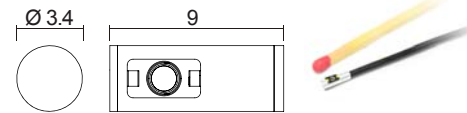
BL1001-91
91° Lens / Side View



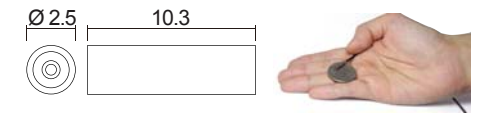
BL1001-120
120° Lens / Side View



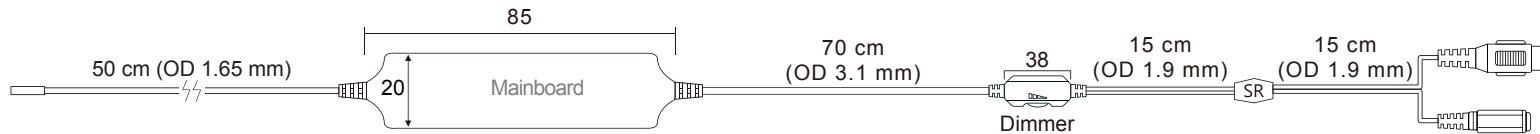
VL1001LH-91
91° Lens / High Intensity LED / Side View



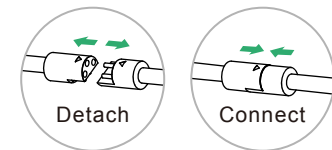
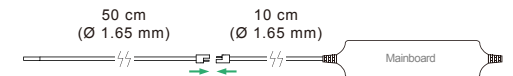
V1001LH-120
120° Lens / High-Intensity LED



MO-V1001LH
CVBS Signal / High-Intensity LED / Dimmer

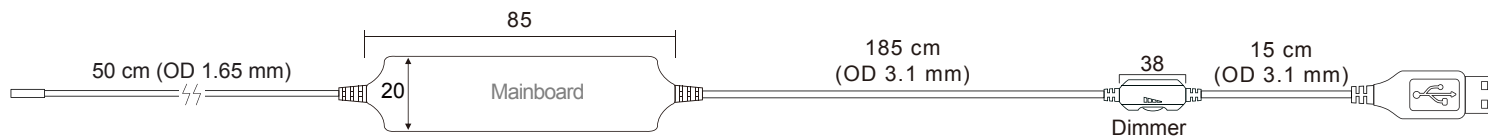


Detachable Nano Connectors
(Customize Option)



Nano 5 pin

MD-V1001LH
UVC Signal / High-Intensity LED / Dimmer



Specification

Model	MO-V1001L	MO-VL1001L	MO-V1001LH	MD-V1001L	MD-VL1001L	MD-V1001LH
Orientation	Front View	Left Side View	Front View	Front View	Left Side View	Front View
LED	LED x 3 Dimmer	LED x 2 Dimmer	High-Intensity LED x 4 Dimmer	LED x 3 Dimmer	LED x 2 Dimmer	High-Intensity LED x 4 Dimmer
Dimension (mm)	Ø 2.5 x 10.3		Ø 3.4 x 9	Ø 2.5 x 10.3		Ø 3.4 x 9
Interface	RCA Female / DC Jack			USB 2.0		
Output Format	CVBS			MJPEG / YUV		
Operating System	CVBS device			Windows 7, Windows 8, Linux, Android		
Power	DC 5~12V			DC 5V (USB)		
Camera Type	Tube Type					
Frame Rate (Max.)	400 × 400 @ 30fps					
Pixel Size (µm)	1.75 x 1.75					
Image Sensor	1/18" Color CMOS Camera Module					
Image Area (µm)	741 x 707					
Scan Mode	Progressive					
Sensitivity	1000 mV / Lux-sec					
Dynamic Range	67.1 dB @ 8x gain					
Storage Temperature	-30 to 60 Degree C					
Working Temperature	-10 to 45 Degree C					
Power Current	170 mA					

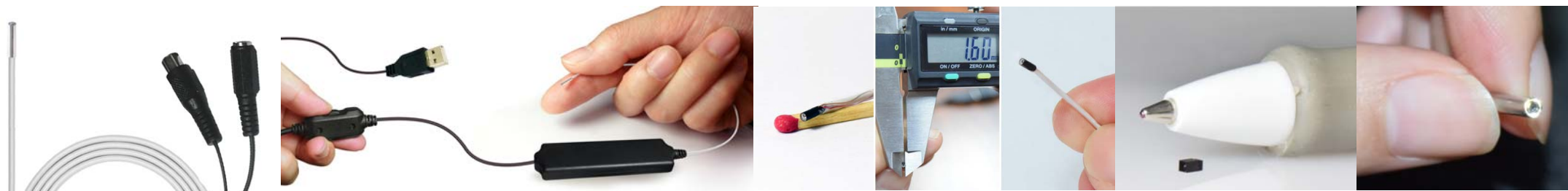


Connector Information



MD-B1001LH-91X

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	LED	LENS	CABLE (Sensor Board To Mainboard)
M Basic	UVC Signal	Front View	1001 Color 7001 B/W	LH High Intensity L White LED L8 IR 850 nm LED L9 IR 940 nm LED	90 0.505 mm / F 4.0 (90°) 91 0.5 mm / F 3.6 (91°) 120 0.418 mm / F 5.0 (120°)	Code O.D UVC (Max) CVBS (Max) Note
	D USB 2.0 Type A M USB 2.0 Micro Type B (OTG) T USB 2.0 Type C	B Board Type VB Board Type + Dimmer T Tube Type V Tube Type + Dimmer				Side View
	CVBS Signal	BL Board Type VBL Board Type + Dimmer SL Forming Type VSL Forming Type + Dimmer VL Tube Type + Dimmer				* OD Cable OD unit mm



Light Guide / 3 pcs White LED

Excellent brightness is achieved by emitting maximal 3 LED light to the light guide. Dimmer switch can adjust brightness according to the environment.



Mini Lens / Cable OD Can Be Customized

Ø 1.6 mm lens with 91° wide angle was specially developed for the ultra mini Ø 1.4 mm PCB.

Special cable made of unique material was also developed for better signal transmission.

Maximum cable length can be as long as 140 cm.

Cable OD can be customized as 1 mm, 1.65 mm, 1.85 mm depending on customers' requests.



Module For Medical Application Ideas

Tiny dimension is perfect for medical endoscopes, borescopes or other small diameter inspection devices. Compact size camera enables easy and smooth inspection process; instead of tedious inspection process caused by traditional larger size cameras. Using light guide to converge LED light, enhance brightness.



Analog Signal / Digital Signal Output

Two types of signals (analog / digital) for your choice. Driver free for any OS (Windows, MAC OS, Linux) as digital camera signal output version.



Ultra Compact Size and Excellent Image Quality

1/18" CMOS (OV6946) image camera with 400 × 400 pixel and size is 1.6 (mm) only. Mini dimension is perfect for medical endoscopes, borescopes or other small diameter inspection devices.

