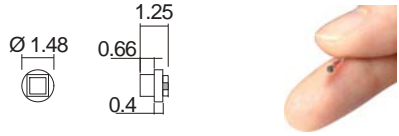


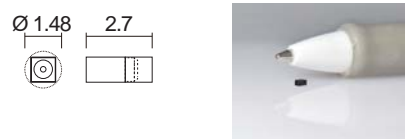
- Feature**
- Compact Size.
 - High quality image, pixel is 400 x 400 @ 30fps.

Unit: ± 0.5 mm

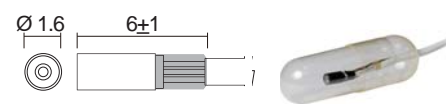
B1001
No Lens / Front View



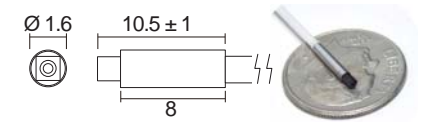
B1001-120
120° Lens / Front View



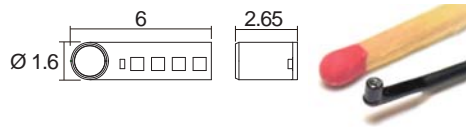
B1001-91
91° Lens / Front View



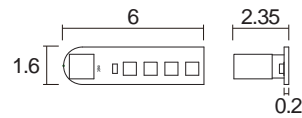
T1001-120
120° Lens / Front View



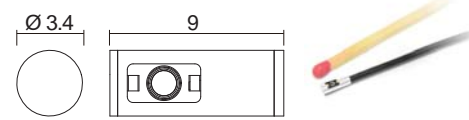
BL1001-91
91° Lens / Side View



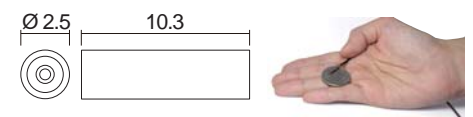
BL1001-120
120° Lens / Side View



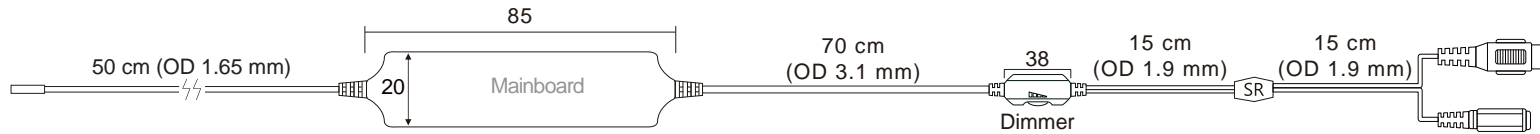
VL1001LH-91
91° Lens / High Intensity LED / Side View



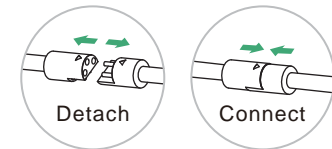
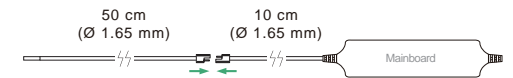
V1001LH-120
120° Lens / High-Intensity LED



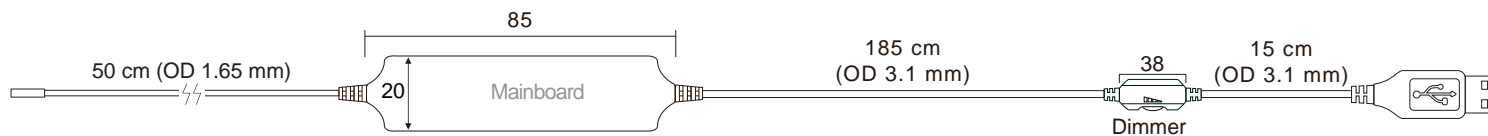
MO-V1001LH
CVBS Signal / High-Intensity LED / Dimmer



Detachable Nano Connectors
(Customize Option)



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



Nano 5 pin

Specification

Model No.	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 x 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	65.8 dB @ 4x 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	LH High Intensity	90 0.505 mm / F 4.0 (90°)	Code O.D UVC (Max) CVBS (Max) Note
	D USB 2.0 Type A	B Board Type	7001 B/W	L White LED	91 0.5 mm / F 3.6 (91°)	D Ø 0.65 50~180 cm 50~180 cm Available To Add LED
	M USB 2.0 Micro-B (OTG)	VB Board Type + Dimmer		L8 IR 850 nm LED	120 0.418 mm / F 5.0 (120°)	C Ø 1.2 50~180 cm 50~140 cm LED Unavailable
	T USB 2.0 Type C	T Tube Type		L9 IR 940 nm LED		X Ø 1.35 50~210 cm 50~130 cm Available To Add LED
	CVBS Signal	V Tube Type + Dimmer				E Ø 1.6 50~600 cm 50~600 cm Available To Add LED
	O RCA / DC	Side View				B Ø 1.65 50~150 cm 50~130 cm Available To Add LED
		BL Board Type				N/A Ø 1.85 50~190 cm 50~160 cm Available To Add LED
		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.

