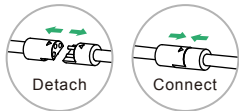
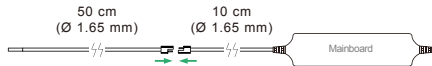


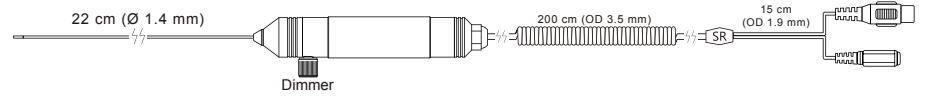
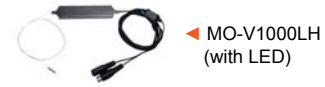
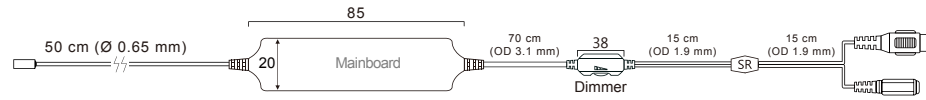
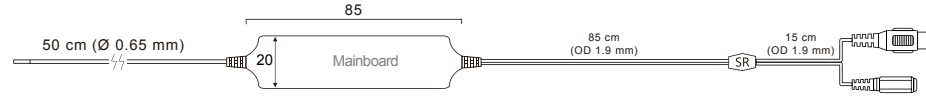
**Feature**

- The smallest camera, Ø 0.91 Ultra tiny!
- Medical camera module!
- Ultra-compact size!

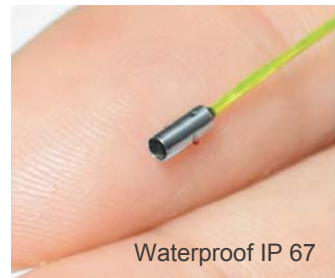
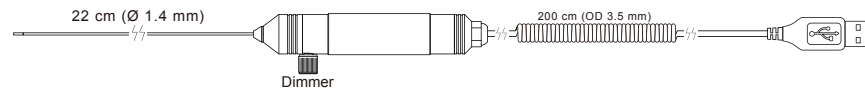
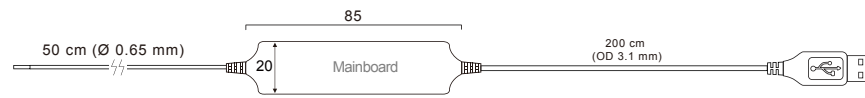
**Detachable Nano Connectors**  
(Customize Option)



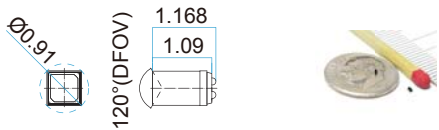
**CVBS SERIES**



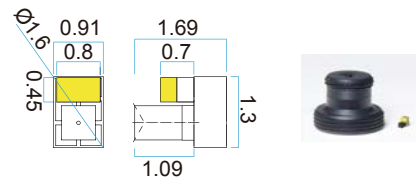
**UVC SERIES**



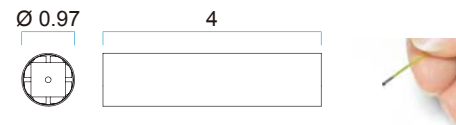
**B1000**  
120° Lens / Front View



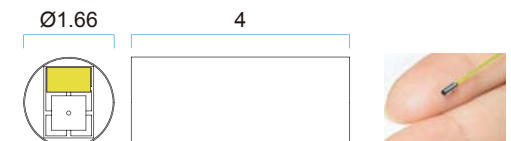
**VB1000LH (Dimmer)**  
High-Intensity LED x 1 / 120° Lens / Front View



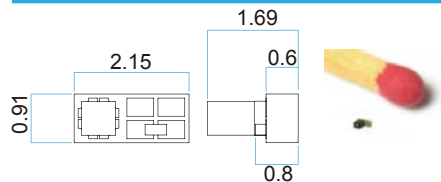
**T1000**  
120° Lens / Front View



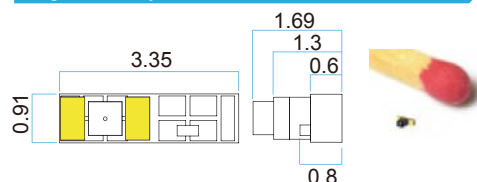
**V1000LH (Dimmer)**  
High-Intensity LED x 1 / 120° Lens / Front View



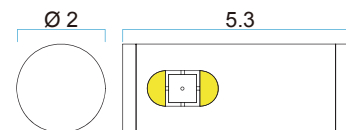
**BL1000**  
120° Lens / Side View



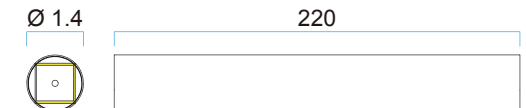
**VBL1000LH (Dimmer)**  
High-Intensity LED x 2 / 120° Lens / Side View



**VL1000LH (Dimmer)**  
High-Intensity LED x 2 / 120° Lens / Side View



**V1000ZLH (Dimmer)**  
High-Intensity LED x 1 with Optical Glass Fiber  
120° Lens / Front View



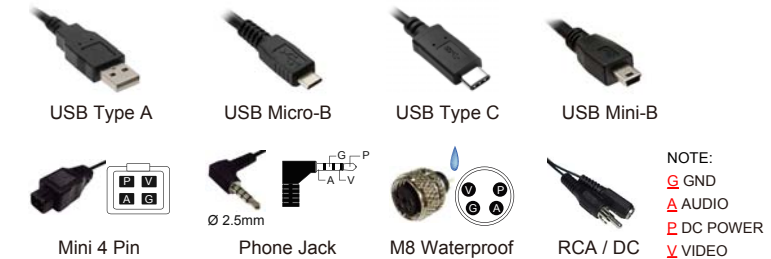
## Specification

Model No.	MO-B1000-120	MD-B1000-120
Interface	RCA Female / DC Jack	USB 2.0 (Compliant with USB Video Class 1.1 standard)
Output Format	CVBS	YUV
Operating System	CVBS Device	Windows 7, Windows 8, Windows 10, MAC OS, Linux, Android
Power Source	DC 5~12V	DC 5V (USB)
Frame Rate (Max.)	200 x 200 @ 30 fps	
Pixel Size (µm)	1.75 x 1.75	
Image Sensor	1/36" Color CMOS Camera Module	
Image Area (µm)	364 x 364	
Scan Mode	Progressive	
Sensitivity	1000 mV / Lux-sec	
Dynamic Range	60.2 dB @ 1x gain	
Storage Temperature	-30 to 60 Degree C	
Working Temperature	-10 to 45 Degree C	
Lens	0.175 mm / F 2.8	
Angle of View	120 degree (D)	
Focus Distance (mm)	FID 03-30 (Fixed)	

## Available for UVC and CVBS signals

Model No.	Dimensions (mm)	Orientation	Camera type	LED	Dimmer
B1000	Ø 0.91 x 1.168	Front View	Board	N/A	N/A
VB1000LH	Ø 1.6 x 1.69	Front View	Board	1 pcs	●
BL1000	0.91 x 2.15	Side View	Board	N/A	N/A
VBL1000LH	0.91 x 3.35	Side View	Board	2 pcs	●
T1000	Ø 0.97 x 4	Front View	Tube	N/A	N/A
V1000LH	Ø 1.66 x 4	Front View	Tube	1 pcs	●
V1000ZLH	Ø 1.4 x 220	Front View	Tube	1 pcs	●
VL1000LH	Ø 2 x 5.3	Side View	Tube	2 pcs	●

## Connector Information



## MD-B1000LH-120X

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	LED	LENS	CABLE (Sensor board to mainboard)
<b>M</b> Basic	<b>UVC signal</b>	<b>Front View</b>	<b>All Type</b>	<b>Front View</b>	120 0.175 mm / F 2.8 (120°)	<b>Code</b> <b>O.D</b> <b>UVC (Max)</b> <b>CVBS (Max)</b> <b>Note</b>
	<b>D</b> USB 2.0 Type A <b>M</b> USB 2.0 Micro-B (OTG) <b>T</b> USB 2.0 Type C <b>I</b> USB 2.0 Mini-B	<b>B</b> Board Type <b>VB</b> Board Type + Dimmer <b>T</b> Tube Type <b>V</b> Tube Type + Dimmer	<b>1000</b> Color <b>7000</b> B/W	<b>LH</b> High-Intensity White LED x 1		<b>D</b> Ø 0.65 50~180 cm 50~180 cm Available To Add LED
	<b>CVBS signal</b>	<b>Side View</b>	<b>Front View</b>	<b>Front View (Tube Type Only)</b>		<b>C</b> Ø 1.2 50~180 cm 50~140 cm LED Unavailable
	<b>O</b> RCA / DC	<b>BL</b> Board Type <b>VBL</b> Board Type + Dimmer <b>VL</b> Tube Type + Dimmer	<b>1000Z</b> Color <b>7000Z</b> B/W	<b>LG</b> High-Intensity White LED x 1 with Optical Glass Fiber		<b>X</b> Ø 1.35 50~210 cm 50~130 cm Available To Add LED
			<b>*Z</b> Rigid Steel (Tube Type Only)	<b>Side View</b> <b>LH</b> High-Intensity White LED x 2		<b>E</b> Ø 1.6 50~400 cm 50~400 cm Available To Add LED
						<b>B</b> Ø 1.65 50~150 cm 50~130 cm Available To Add LED
						<b>* OD</b> Cable OD unit mm <b>* Cable code</b> does not apply to rigid steel tube



Dimmer



High-Intensity LED



Waterproof IP 67



### Built-in High Intensity LED

Camera with high intensity LED is designed for medical and industrial applications.

Two options for camera LED:

1. With dimmer controller user can adjust camera brightness.
2. On / Off switch controller



### Analog / 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.



### Waterproof IP 67

Protected from dust ingress and moisture.



### Ultra Tiny Size and Excellent Image Quality

1/36" CMOS (OVM6948) image camera with 200 x 200 pixel. Tiny dimension perfect for medical endoscopes, borescopes or other small diameter inspection devices.



### Medical Application Ideas

Tiny dimension perfect for medical endoscopes, borescopes or other small diameter inspection devices.

Compact size camera enable easy and comfortable inspection process; instead of tedious inspection process caused by traditional larger size cameras.