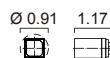


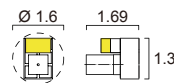
## Feature

- Mini Size,
- High Sensitivity,
- High Performance!

### B1000 (120°)



### B1000LH (120°)



### BL1000 (120°)



### BL1000LH (120°)



## Specification

Model No.	B1000	B1000LH	BL1000	BL1000LH
Dimensions (mm)	Ø 0.91 x 1.17	Ø 1.6 x 1.69	0.91 x 2.15	0.91 x 3.35
Orientation	Front View			
Camera Type	Board Type			
Video Format	MJPEG / YUV (UVC); NTSC / PAL (CVBS)			
Image Sensor	1/36" Color CMOS Camera Module			
Resolution	200 x 200 @ 30 fps			
Pixel Size (um)	1.75 x 1.75			
Image Area (mm)	0.36 x 0.36			
Sensitivity (Lux.Sec)	1000 mV			
Dynamic Range	67.1 dB @ 8x gain			
S/N Ratio	34.4 dB			
Scan Mode	Progressive			
Shutter	Rolling			
Lens	Please Check Model Information Table.			
View Angle	Please Check Model Information Table.			
Focus Distance (mm)	12-03-30			
LED	N/A	LED x 1	N/A	LED x 2
Storage Temp.	-30 to 60 Degree C			
Working Temp.	-10 to 60 Degree C			
Interface	USB 2.0; CVBS			
Power Supply	5V (UVC); 5~12 V (CVBS)			
Power Current	120 mA (Max.)			
Microphone	N/A			
Operation System (UVC)	Win XP, Win Vista, Win 7, Win 8, Win 10 Linux, MAC OSX			

\* Working temperature means the camera device, not environment temperature.

## 1000



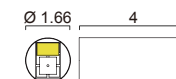
▲ MD-V1000ZLG-120



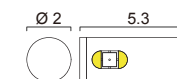
### T1000-120 (120°)



### T1000LH-120 (120°)

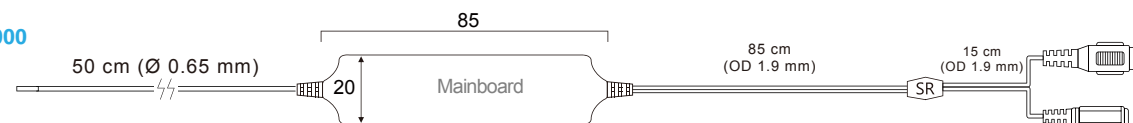


### TL1000LH-120 (120°)

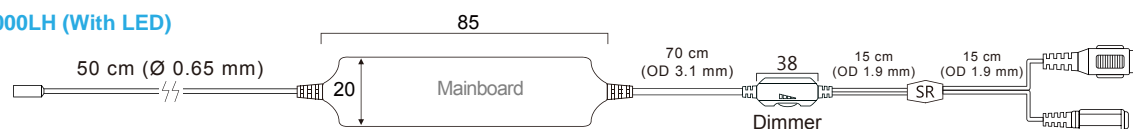


## CVBS

### MO-T1000

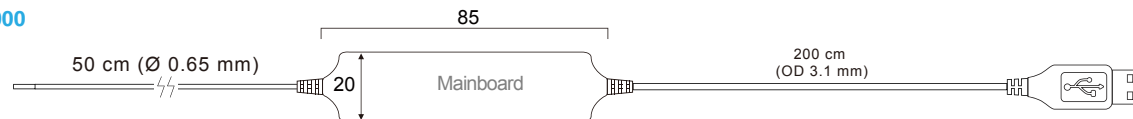


### MO-V1000LH (With LED)

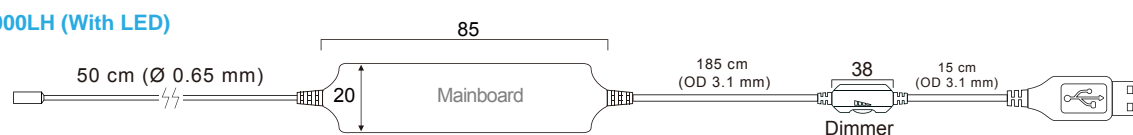


## UVC

### MD-T1000



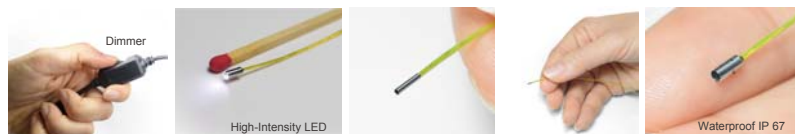
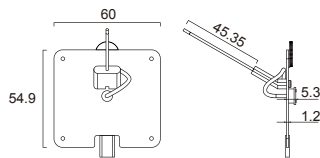
### MD-V1000LH (With LED)



## Customize



▲ MT-V1000LF-120 (-xx)



## 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



## Ultra Tiny Size and Excellent Image Quality

1/36" CMOS (OV6948) image camera with 200 x 200 pixel.

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



## 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.



## 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.

# MD-V1000LH-120D

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
<b>(F)M</b> Basic	<b>CVBS</b> O RCA / DC J Phone Jack Q M8 Waterproof	<b>Front View</b> (V)B Board Type T Tube Type V Tube Type	<b>Color</b> <b>1000</b> Ø 0.91 x 1.17 <b>1000Z</b> Ø 1.4 x 220 (Handle Bar)	<b>N/A</b> None	<b>N/A</b> None <b>White</b> <b>LH</b> High-Intensity 1000Z	<b>Code</b> <b>120</b> <b>Specification</b> 0.175 mm / F 2.8 <b>View Angle</b> 120°
<b>*F</b> Snapshot and Freeze Frame (for UVC only)	<b>UVC (USB)</b> D Type A M Micro-B (OTG) T Type C	<b>Side View</b> (V)BL Board Type TL Tube Type VL Tube Type  <b>*V</b> Dimmer Controller	<b>*Z</b> Rigid Steel		<b>White</b> <b>LF</b> High-Intensity (with Optical Plastic Fiber) <b>LG</b> High-Intensity (with Optical Glass Fiber)	

## CABLE

Code	O.D	UVC (Max)	CVBS (Max)	Note
<b>D</b>	Ø 0.65	180 cm	180 cm	Available To Add LED
<b>I</b>	Ø 1.0	300 cm	300 cm	LED Unavailable
<b>C</b>	Ø 1.2	180 cm	140 cm	LED Unavailable
<b>S</b>	Ø 1.3	200 cm	200 cm	Available To Add LED
<b>X</b>	Ø 1.35	210 cm	130 cm	Available To Add LED
<b>E</b>	Ø 1.6	400 cm	400 cm	Available To Add LED
<b>B</b>	Ø 1.65	150 cm	130 cm	Available To Add LED

\* Cable OD unit mm

\* Cable code does not apply to rigid steel tube

\* Camera with LED light source is suggested to use lens with larger F-Stop number.

\* Camera appearance or other requirements are applicable for customization.

## Connector Information



NOTE:  
 G GND  
 A AUDIO  
 P DC POWER  
 V VIDEO