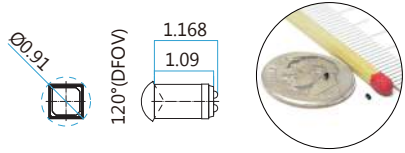
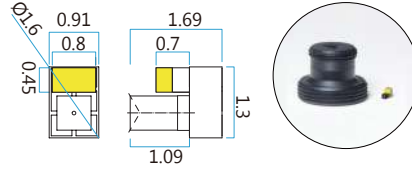


unit: +0.05 -0mm

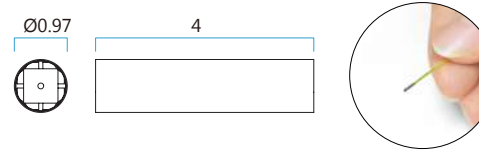
**Model: B1000**  
120° lens / front view



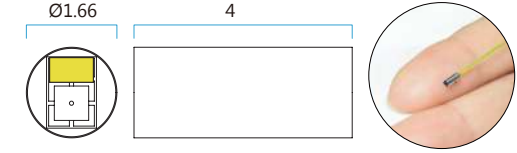
**Model: VB1000LH (dimmer)**  
with high intensity LED / 120° lens / front view



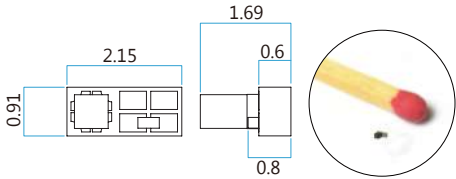
**Model: T1000**  
120° lens / front view



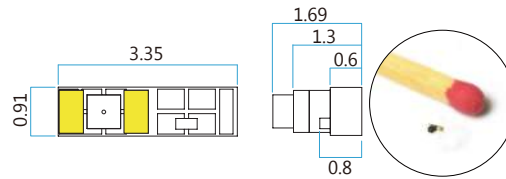
**Model: V1000LH (dimmer)**  
with high intensity LED / 120° lens / front view



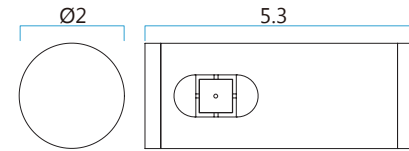
**Model: BL1000**  
120° lens / side view



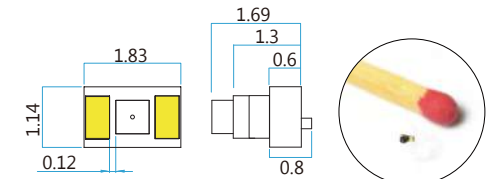
**Model: VBL1000LH (dimmer)**  
with high intensity LED, 120° lens, side view



**Model: VL1000LH (dimmer)**  
with high intensity LED, 120° lens, side view

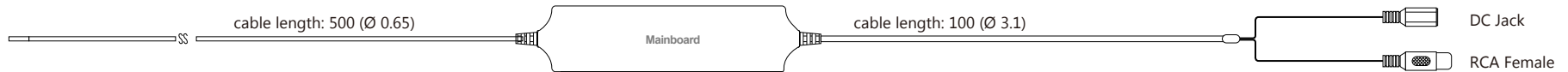


**Model: VB1000FLH (dimmer)**  
with high intensity LED x 2, 120° lens, front view



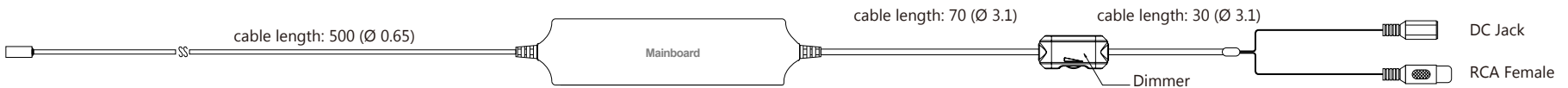
**Model: MO-x1000 series**  
CVBS signal

Model:  
MO-B1000  
MO-B1000LH  
MO-T1000



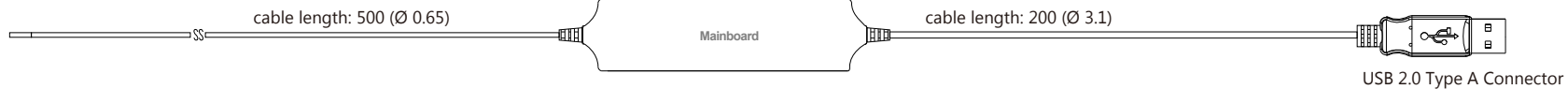
**Model: MO-x1000LH series**  
CVBS signal and dimmer

Model:  
MO-VB1000LH  
MO-V1000LH



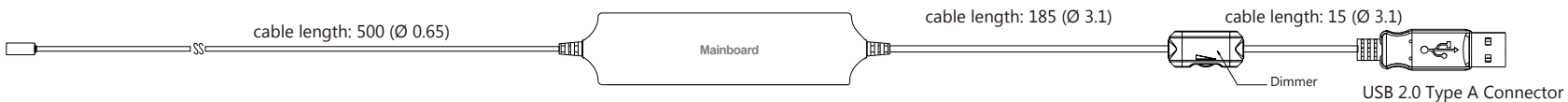
**Model: MD-x1000 series**  
UVC signal

Model:  
MD-B1000  
MD-B1000LH  
MD-T1000



**Model: MD-x1000LH series**  
UVC signal and dimmer

Model:  
MD-VB1000LH  
MD-V1000LH



## Feature

- The smallest camera, Ø0.91 Ultra tiny!
- Ultra-compact size!
- Medical camera module!

## Specification

Series	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	Windows7, windows8, windows10, MAC OS, Linux, Android
Power source	DC 5~12V	DC 5V (USB)
Max. frame rate	200 x 200 @30fps	
Pixel size	1.75 μm x 1.75 μm	
Image sensor	1/36" Color CMOS Camera Module	
Image area	364 μm x 364 μm	
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	
Lens	0.175mm / F 2.8	
Angle of view	120 degree (D)	
Focus distance (mm)	03-50mm fixed	

Model	Dimensons (mm)	Orientation	Camera type	Signal	LED	Dimmer
MO-B1000	Ø 0.91 × 1.168	Front View	Board	CVBS	N/A	N/A
MO-VB1000LH	Ø 1.6 × 1.69	Front View	Board	CVBS	1 pcs	●
MO-BL1000	0.91 × 2.15	Side View	Board	CVBS	N/A	N/A
MO-VBL1000LH	0.91 × 3.35	Side View	Board	CVBS	2 pcs	●
MO-VB1000FLH	1.14 × 1.83	Front View	Board	CVBS	2 pcs	●
MO-VL1000LH	Ø 2 × 5.3	Side View	Tube	CVBS	2 pcs	●
MO-T1000	Ø 0.97 × 4	Front View	Tube	CVBS	N/A	N/A
MO-V1000LH	Ø 1.66 × 4	Front View	Tube	CVBS	1 pcs	●
MD-B1000	Ø 0.91 × 1.168	Front View	Board	USB	N/A	N/A
MD-VB1000LH	Ø 1.6 × 1.69	Front View	Board	USB	1 pcs	●
MD-BL1000	0.91 × 2.15	Side View	Board	USB	N/A	N/A
MD-VBL1000LH	0.91 × 3.35	Side View	Board	USB	2 pcs	●
MD-VB1000FLH	1.14 × 1.83	Front View	Board	USB	2 pcs	●
MD-VL1000LH	Ø 2 × 5.3	Side View	Tube	USB	2 pcs	●
MD-T1000	Ø 0.97 × 4	Front View	Tube	USB	N/A	N/A
MD-V1000LH	Ø 1.66 × 4	Front View	Tube	USB	1 pcs	●

## MD-B1000LH-120X

SERIES	CONNECTOR	CAMERA TYPE	DISPLAY	LED	LENS	CABLE (Sensor board to mainboard)				
M Miniature Size	<b>CVBS signal</b> O RCA female / DC plug  <b>UVC signal</b> D USB 2.0 Type A M Micro USB OTG Type B T USB 2.0 Type C	<b>Front View</b> B Board Type VB Board Type + Dimmer T Tube Type V Tube Type + Dimmer  <b>Side View</b> BL Board Type VBL Board Type + Dimmer VL Tube Type + Dimmer	1000 Color 7000 B/W	<b>Front View</b> LH High-intensity White LED × 1  <b>Front View / Side View</b> LI High-intensity White LED × 2	120 0.418mm / F 5.0 (120°)	Cable Code	Cable O.D (mm)	MD-1001 (length-max)	MO-1001 (length-max)	Note
						A	Ø 1.2	50~180 cm	50~140 cm	LED unavailable
						D	Ø 0.65	50~300 cm	50~300 cm	Available to add LED
						X	Ø 1.35	50~210 cm	50~130 cm	Available to add LED
						E	Ø 1.6	50~500 cm	50~500 cm	Available to add LED
						B	Ø 1.65	50~150 cm	50~130 cm	Available to add LED



## 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



Model: MD-V1000LH-120  
Dimension: Ø1.66mm with LED

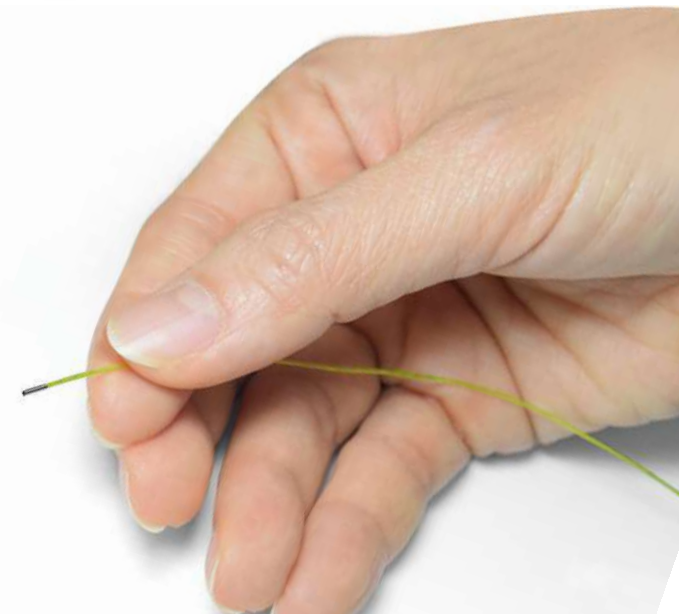


## Ultra Tiny Size and Excellent Image Quality !

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



Model: MD-T1000-120  
Dimension: Ø0.97mm, NO LED





## 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.



RCA Fmale  
DC JACK

USB 2.0  
Type A

Micro USB OTG  
Type B

USB 2.0  
Type C



## Medical Application Ideas

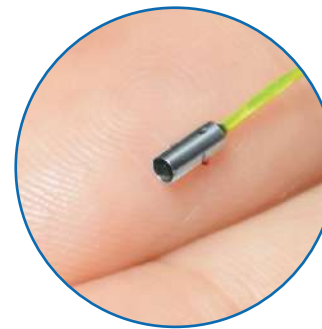
Tiny dimension perfect for medical endoscopes, borescopes or other small diameter inspection devices.

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



## Waterproof

Protected from dust ingress and moisture.



Model: MD-V1000LH-120  
Dimension: Ø1.66mm with LED

