Unit: ± 0.5 mm

Feature

- Miniature size.
- Outstanding quality.
- High performance.

Specification

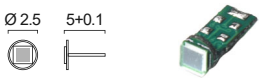
Model No.	B1003T	B1003	BL1003
Dimensions (mm)	Ø 2.5 x 3.6	Ø 2.5 x 5.0	2.4 x 8.8
Orientation	Front View	Front View	Side View
Camera Type	Board Type		
Video Format	MJPEG / YUV (UVC); NTSC / PAL (CVBS)		
Image Sensor	1/10" Color CMOS Camera Module		
Resolution	400 x 400 @ 30 fps		
Pixel Size (um)	3.0 x 3.0		
Image Area (mm)	1.22 × 1.21		
Sensitivity (Lux.Sec)	3.0 V		
Dynamic Range	68 dB @ 8x gain		
S/N Ratio	38 dB		
Scan Mode	Progressive		
Shutter	Rolling		
Lens	Please Check Model Information Table		
View Angle	Please Check Model Information Table		
Focus Distance (mm)	Infinity		
LED	N/A (Optional)		
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	230 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.

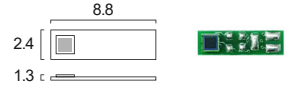
B1003T No Lens



B1003 No Lens



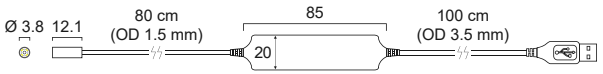
BL1003 No Lens



1003



▲ MD-T1003L-65



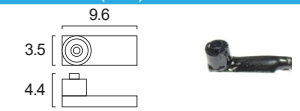
B1003-62 (62°)



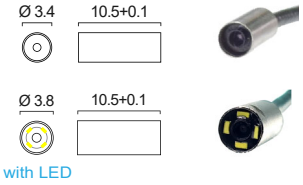
B1003-65 (65°)



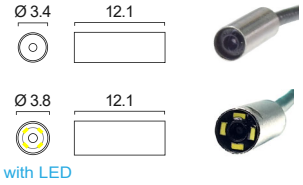
SL1003-65 (65°)



T1003T-65 (65°)

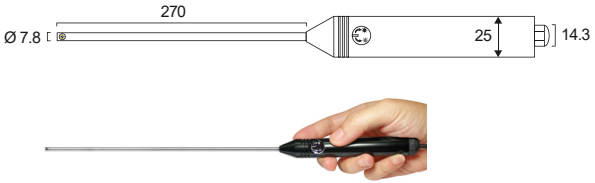


T1003-65 (65°)



1078

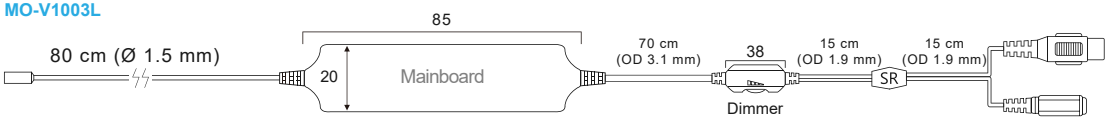
VL1078ZL-120 (120°)



Unit: ± 0.5 mm

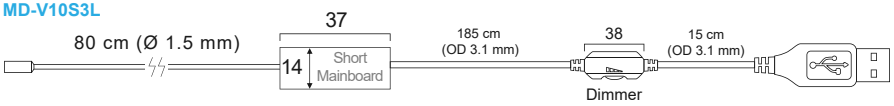
CVBS

MO-V1003L

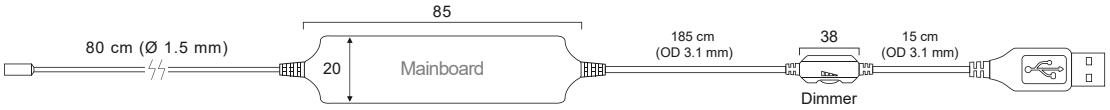


UVC

MD-V10S3L



MD-V1003L



MD-V1003LH-120

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
M Basic MX Low Light (No Snapshot Screen and No Freeze Frame Function)	**CVBS** N/A IRIS 4 Pin (MX) O IRIS 4 Pin J Phone Jack Q M8 Waterproof F RCA / DC **UVC (USB)** D Type A T Type C E TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)	**Front View** (V)B Board Type T Tube Type V Tube Type **Side View** (V)BL Board Type (V)SL Forming Type TL Tube Type VL Tube Type *V Dimmer Controller	Color / B/W / Dimensions 1003 / 100M3 / Ø 2.5 x 5.0 1003J / 100M3J / Ø 2.5 x 5.0 (UVC only) 1003T / 100M3T / Ø 2.5 x 3.6 1003JT / 100M3JT / Ø 2.5 x 3.6 (UVC only) 10S3 / 100SM3 / Ø 2.5 x 5.0 (UVC only) 10S3T / 100SM3T / Ø 2.5 x 3.6 (UVC only) 1078Z / 100M78Z / Ø 7.8 (Handle Bar) *J Frame Rate 60 fps *T Short Camera Head *S Short Mainboard *Z Rigid Steel	N/A None	N/A None **White** L Normal LH High-Intensity **Infrared** L9 IR 940 nm L8 IR 850 nm	Code / Specification / View Angle (1003J) Check Note* 0.418 mm / F 5.0 — 120° / 116° 1.10 mm / F 4.0 — 100° / 62° 1.498 mm / F 3.1 1.498 mm / F 5.0 — 65° / 48° 1.498 mm / F 7.0 1.43 mm / F 3.2 — 62° / 50° * Code represents view angle.

* IR 940nm or IR 850nm LED is suggested to choose B/W camera type.
* Camera with LED light source is suggested to use lens with larger F-Stop number.
* Camera appearance or other requirements are applicable for customization.
* TE Industrial Mini I/O Type II connector does not support USB 3.0 output.

Connector Information



USB Type A | USB Type C | TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only) | IRIS 4 Pin | Phone Jack | M8 Waterproof | RCA / DC

NOTE: G GND A AUDIO P DC POWER V VIDEO