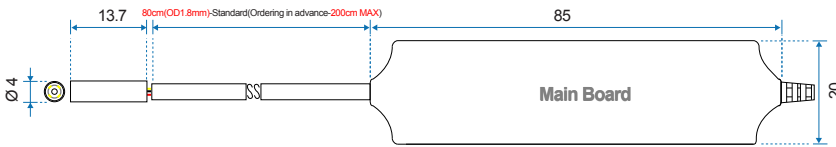
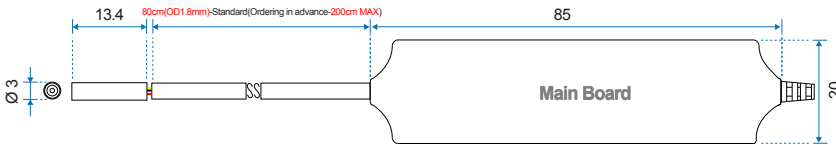


**Tube Type**

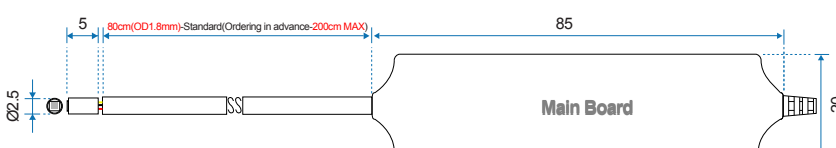
**MO-T1003L**



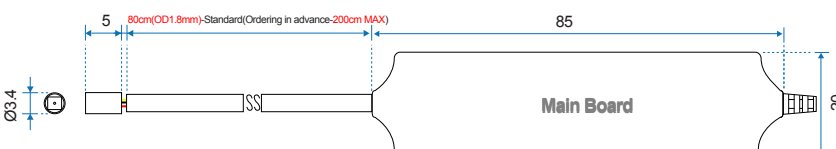
**MO-T1003**



**MO-B1003**



**MO-B1003-62**



Unit : mm (± 0.5)

**Feature**

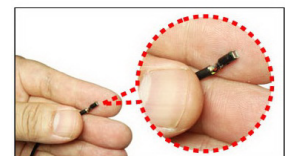
- The smallest cam of the world
- Compact size.
- 2.5 mm Only(MO-B1003) !!
- High Performance.
- Outstanding Quality!
- Competitive Price!



▲ MO-T1003L-60



▲ MO-T1003-60



▲ MO-B1003

**Specification**

Model	MO-T1003L-60	MO-T1003-60	MO-B1003	MO-B1003-62
Video system	NTSC / PAL			
Number of effective pixels	400 x 400			
Image sensor	1/10" CCIQ II Color Camera			
LED Light	white light LED x4	W/O LED	W/O LED	W/O LED
Resolution(TV Lines)	300 TV Lines			
S/N Ratio	more than 50dB			
scan mode	progressive			
Minimum illumination	2Lux /F3.4			
frame rate	30 fps			
Horizontal sync frequency	NTSC(EIA) -15.734kHz , PAL(CCIR) - 15.625kHz			
Vertical sync frequency	NTSC(EIA) - 60Hz , PAL(CCIR) - 50Hz			
Camera consumption	0.45			
Video output	1Vp-p , 75ohm composite			
Storage temperature	-30 to 60 Degree C			
Working temperature	-10 to 45 Degree C			
Built-in Lens	1.55mm /F2.8		W/O LENS	1.43mm/F3.2
Power source	Camera :DC 3.8~5 V(DC 3.3V only - optional low voltage type)			
Power current	180 mA-max			
Dimension (mm)	Seneor board :3.8 x 13.7 (mm) + cable: 800(mm) + main board :20 x 85 (mm)	Seneor board :3 x 13.4 (mm) + cable: 800(mm) + main board :20 x 85 (mm)	Seneor board :2.5 x 5 (mm) + cable: 800(mm) + main board :20 x 85 (mm)	Seneor board :3.4 x 5.8 (mm) + cable: 800(mm) + main board :20 x 85 (mm)

**Tube Type**

**Ordering Information**

MODEL	LED Light	W/Lens	Diameter
MO-T1003L-60	LED x 4	1.55mm/F 2.8	3.8 mm ONLY
MO-T1003-60	W/O LED	1.55mm/F 2.8	3 mm ONLY
MO-T1003-120	W/O LED	1.11mm/ F 2.8	3.6 mm ONLY
MO-B1003-62	W/O LED	1.43mm/ F 3.2	3.4 mm ONLY
MO-B1003-60	W/O LED	1.55mm/F 2.8 (LP10060IR)separately	2.5 mm ONLY
MO-B1003-60-M	W/O LED	1.55mm/F 2.8 (LP10060IR-M)separately	2.5 mm ONLY
MO-B1003-120	W/O LED	1.11mm/ F 2.8 (LP10120IR)separately	2.5 mm ONLY
MO-B1003-120-M	W/O LED	1.11mm/ F 2.8 (LP10120IR-M)separately	2.5 mm ONLY
MO-B1003	W/O LED	W/O Lens	2.5 mm ONLY

**NOTE**  
 MO-B3003: AGC OFF  
 MO-B7003: 1/10" B/W CCIQ II  
 MO-B1003: holder and lens detachable  
 cable length(sensor board to main board): 80CM-Standard(Ordering in advance-200cm MAX)

**Lens Information**

There are five lenses apply to MO-B1003

IMAGE	MODEL	LENS	DIMENSION
	LP10065-31IR-31	1.498mm/ F 3.1 (W/IR 645 nm filter) MAX image circle:2.4mm	Ø 3.1 mm
	LP10065-31LIR-31	1.498mm/ F 3.1 (W/IR 645 nm filter) MAX image circle:2.4mm W/ LED X 4	Ø 3.4 mm(w/ LED)
	LP10065-50IR-31	1.498mm/ F 5.0 (W/IR 645 nm filter) MAX image circle:2.4mm	Ø 3.1 mm
	LP10065-50LIR-31	1.498mm/ F 5.0 (W/IR 645 nm filter) MAX image circle:2.4mm W/ LED X 4	Ø 3.4 mm(w/ LED)
	LP10062IR-M2	1.43mm/ F 3.2 (W/IR 645 nm filter) MAX image circle:2.0mm	Ø 3.4 x 6.95 mm
	LP10062IR-M	1.43mm/ F 3.2 (W/IR 645 nm filter) MAX image circle:2.0mm	Ø 3.4 x 5.8 mm
	LP10060IR	1.55mm/F 2.8 (W/IR 645nm filter) MAX image circle:1.76mm	4.5 x 4.5 mm
	LP10060IR-M	1.55mm/F 2.8 (W/IR 645nm filter) MAX image circle:1.76mm	Ø 2.5 mm
	LP10120IR	1.11mm/F 2.8 (W/IR 645nm filter) MAX image circle:1.9mm	4.48 x 4.48 mm
	LP10120IR-M	1.11mm/F 2.8 (W/IR 645nm filter) MAX image circle:1.9mm	Ø 3.25mm