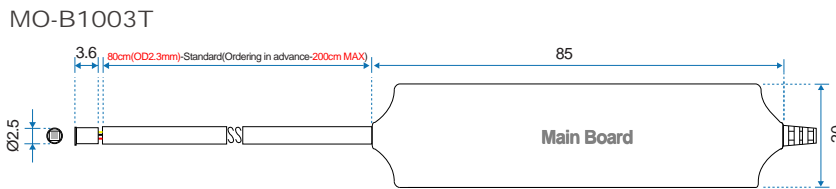
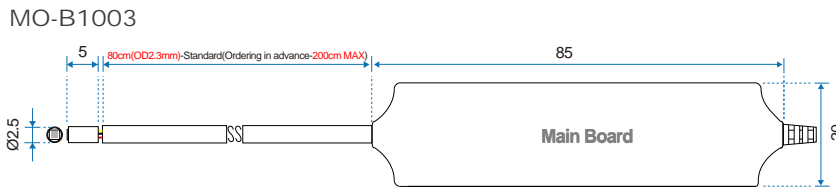
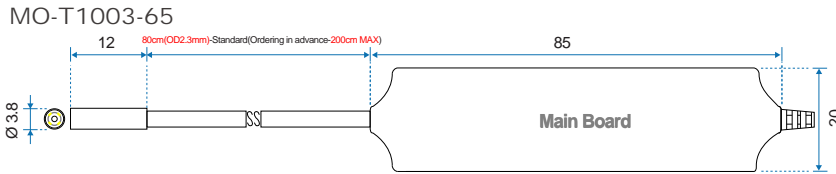
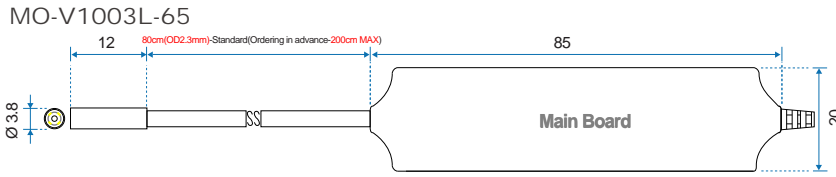


**Tube Type**



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-V1003L-65



▲ MO-T1003-65



▲ MO-B1003



▲ MO-B1003T

**Specification**

Model	MO-V1003L-65	MO-T1003-65	MO-B1003	MO-B1003T
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	1.49mm /F5.0		W/O LENS	
Power source	DC 3.8~5 V			
Power current	250 mA-max	200 mA-max		
Dimension (mm)	Seneor board : 3.8 x 12 (mm) + cable: 800(mm) + main board : 20 x 85 (mm)	Seneor board : 3.8 x 12 (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 : 2.5 x 3.6 (mm) + cable: 800(mm) + main board : 20 x 85 (mm)

**Ordering Information**

MODEL	LED Light	W/Lens	Diameter
MO-V003L-65	LED x 4 (with dimmer switch)	1.498mm/F 5.0	3.8 mm ONLY
MO-V8003L-65	IR 850 nm LED x 4 (with dimmer switch)	1.498mm/F 3.1	3.8 mm ONLY
MO-T1003-65	W/O LED	1.498mm/F 5.0	3.8 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-B1003-65	W/O LED	1.498mm/F 5.0	3.4 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
	LP1532IR-31	1.498mm/ F 3.1 (W/IR 645 nm filter) MAX image circle:2.4mm	Ø 3.1 mm
	LP1550IR-31	1.498mm/ F 5.0 (W/IR 645 nm filter) MAX image circle:2.4mm	Ø 3.1 mm
	LP1550IR-31-01	1.498mm/ F 5.0 (W/IR 645 nm filter) MAX image circle:2.4mm with OD3.8mm tube and 3.4mm glass	Ø 3.1 mm
	LP1570IR-31	1.498mm/ F 7.0 (W/IR 645 nm filter) MAX image circle:2.4mm	Ø 3.4 mm(w/ LED)
	LP10062IR-M	1.43mm/ F 3.2 (W/IR 645 nm filter) MAX image circle:2.0mm	Ø 3.4 x 5.8 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