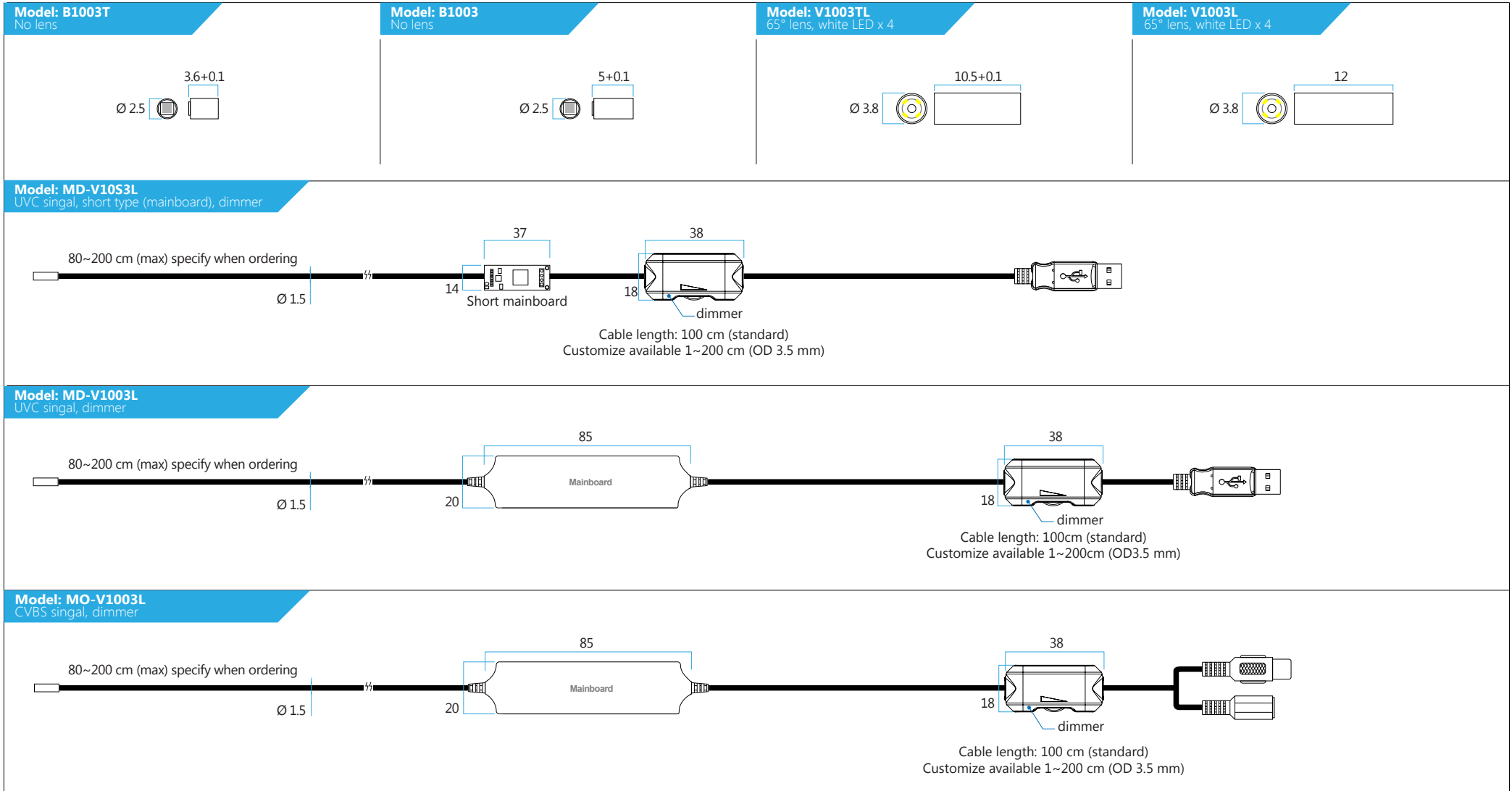


■ **Feature**

- Compact size.      ■ 2.5 mm Only(MO-B1003) !!
- High Performance.   ■ Outstanding Quality!      ■ Competitive Price!

Unit : ± 0.5 mm










## Specification

Dimensions (mm)

Model	MO-V1003TL	MO-V1003L	MD-V10S3TL	MD-V1003TL	MD-V10S3L	MD-V1003L	MO-V1003JTL	MO-V1003JL	MD-V10S3JTL	MD-V1003JTL	MD-V10S3JL	MD-V1003JL
Camera head (mm)	Ø 3.8 × 10.5	Ø 3.8 × 12	Ø 3.8 × 10.5	Ø 3.8 × 10.5	Ø 3.8 × 12	Ø 3.8 × 12	Ø 3.8 × 10.5	Ø 3.8 × 12	Ø 3.8 × 10.5	Ø 3.8 × 10.5	Ø 3.8 × 12	Ø 3.8 × 12
Mainboard (mm)	20 × 85	20 × 85	37 × 14	20 × 85	37 × 14	20 × 85	20 × 85	20 × 85	37 × 14	20 × 85	37 × 14	20 × 85
Interface	RCA Female / DC Jack		USB 2.0 (Compliant with USB Video Class 1.1 standard)				RCA Female / DC Jack		USB 2.0 (Compliant with USB Video Class 1.1 standard)			
Output format	CVBS		MJPEG				CVBS		MJPEG			
Operating system			Windows7, windows8, Linux, Android						Windows7, windows8, Linux, Android			
Power source	DC 5 ~ 12V		DC 5V (USB)				DC 5 ~ 12V		DC 5V (USB)			
Frame rate (Max.)	400 x 400 @ 30fps						400 x 200 @ 60fps					
LED	white LED × 4											
Pixel size	3.0 μm × 3.0 μm											
Image sensor	1/10" Color CMOS Camera Module											
Image area	1224 × 1212 μm											
Scan mode	progressive											
Sensitivity	3.0 V / Lux-sec											
Dynamic range	68 dB @ 8 × gain											
Storage temperature	-30 to 60 Degree C											
Working temperature	-10 to 45 Degree C											
Lens	65° / 120° specify when ordering											
Focus distance (mm)	50-20-70 mm (20~infinity specify when ordering)											

## Lens Information

There are many lenses apply to MO-B1003

IMAGE	MODEL	IMAGE CIRCLE Max. (mm)	LENS	IR 695nm filter	DIMENSION (mm)
	LP1532IR-31	2.4	1.498 mm / F 3.1	●	Ø 3.1
	LP1550IR-31	2.4	1.498 mm / F 5.0	●	Ø 3.1
	LP1570IR-31	2.4	1.498 mm / F 7.0	●	Ø 3.4 (with LED)
	LP10062IR-M2	2.0	1.43 mm / F 3.2	●	Ø 3.4 x 6.95
	LP10062IR-M	2.0	1.43 mm / F 3.2	●	Ø 3.4 x 5.8
	LP10120IR	1.9	1.11 mm / F 2.8	●	4.48 x 4.48
	LP10120IR-M	1.9	1.11 mm / F 2.8	●	Ø 3.25



## MD-B1003TL-65

SERIES	CONNECTOR	CAMERA TYPE	DISPLAY	LED	LENS
<b>M</b> Miniature Size	<b>UVC signal</b> <b>D</b> USB 2.0 Type A <b>M</b> Micro USB OTG Type B <b>T</b> USB 2.0 Type C <b>CVBS signal</b> <b>O</b> RCA female / DC plug	<b>B</b> Board Type <b>VB</b> Board Type + Dimmer <b>T</b> Tube Type <b>V</b> Tube Type + Dimmer	<b>1003</b> Color <b>1003T</b> Color <b>10S3</b> Color <b>10S3T</b> Color  * T: Camera head is short type S: Main board is short type	<b>L</b> White LED	<b>65</b> 1.498 mm / F 5.0 (65°) <b>65</b> 3.4 mm / F 6.0 (65°) <b>120</b> 0.418 mm / F 5.0 (120°)

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

\* 120° lens tube Ø 3.6 mm (no LED)

\* 120° lens tube Ø 5 mm (with LED)

