Unit: ± 0.5 mm

Feature

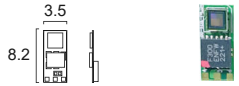
- Mini Size
- Can Convert CVBS to UVC signal

Specification

Model No.	B802U	B802	B803
Dimensions (mm)	3.5 x 8.2	Ø 3.5 x 8.6	Ø 3.5 x 12.3
Orientation	Up View	Front View	
Camera Type	Board Type		
Video Format	NTSC / PAL (CVBS); MJPEG / YUV (UVC)		
Image Sensor	1/18" Color CMOS Camera Module		
Resolution	320 x 240 @ 30 fps		
Pixel Size (um)	2.5 x 2.5		
Image Circle	Ø 1.03		
Sensitivity (Lux.Sec)	1000 V		
Dynamic Range	66 dB		
S/N Ratio	42 dB		
Scan Mode	Progressive		
Shutter	Rolling		
Horizontal Sync Freq.	15.734 kHz / 15.625 kHz		
Vertical Sync Freq.	60 Hz / 50 Hz		
Frame Rate (/ sec.)	30 fps / 25 fps		
Gamma Consumption	0.45		
Video Output	1Vp-p , 75 ohms Composite		
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	CVBS / USB 2.0		
Power Supply	DC 3.3 V (CVBS) / 5 V (UVC)		
Power Current	35 mA (CVBS) / 300 mA (UVC)		
Microphone	N/A (External Optional)		
Operation System	Windows XP, Vista, Windows 7 Linux, MAC OS		

* Working temperature means the camera device, not environment temperature.

B802U (No Lens)



B802 (No Lens)



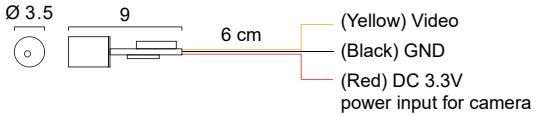
B803 (No Lens)



B802

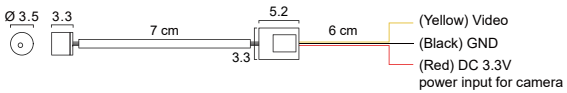


▲ MO-B802W-55

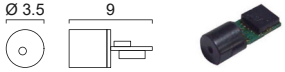




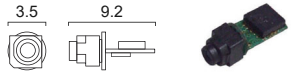
▲ MO-BS802W-55



B802-55 (55°)



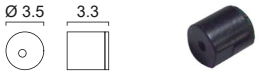
B802-90 (90°)



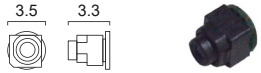
T833-55 (55°)



BS802-55 (55°)



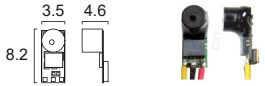
BS802-90 (90°)



T833-90 (90°)



B802U-55 (55°)



B802U-90 (90°)

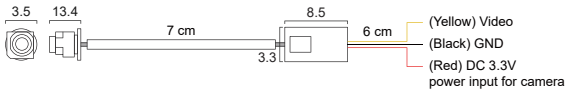


Unit: ± 0.5 mm

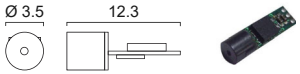
B803



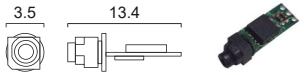
▲ MO-BS803W-90



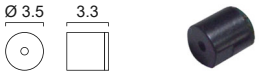
B803-55 (55°)



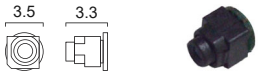
B803-90 (90°)



BS803-55 (55°)



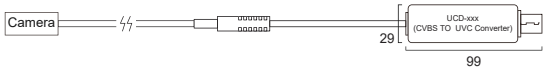
BS803-90 (90°)



Signal Conversion Options

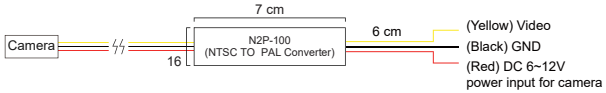


▲ MD-Bxxx-xx
(802 / 803 use **CVBS** to **UVC** converter)





▲ MO-Bxxx-xx-P
(902 / 903 use **NTSC** to **PAL** converter)



MO-B803W-55

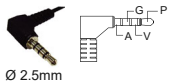
SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	END SIDE	LENS
M Basic	**CVBS** O IRIS 4 Pin J Phone Jack Q M8 Waterproof F RCA / DC **UVC (USB)** D Type A *UVC (USB) UCD adapter required.	**Front View** (V)B Board type B(S) Board type T Tube Type V Tube Type **Up View** (V)B Board type *V Dimmer Controller *S Low Temp	**Color / B/W / Dimensions** 802U / 702U / 3.5 x 8.2 802 / 702 / Ø 3.5 x 8.6 803 / 703 / Ø 3.5 x 12.3 902 / - / Ø 3.5 x 8.6 903 / - / Ø 3.5 x 12.3 833 / - / Ø 3.9 x 14.5 (Tube) 933 / - / Ø 3.9 x 14.5 (Tube) *8xx NTSC *9xx PAL *U Up View	N/A None A External	N/A None **White** L Normal **Infrared** L9 IR 940 nm L8 IR 850 nm	N/A Cable + Connector C Cable + Wires Out W Wires Out	**Code / Specification / View Angle** 55 / 0.96 mm / F 2.8 / 55° 55S / 0.98 mm / F 3.0 / 55° 90 / 0.68 mm / F 3.0 / 90°

* 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.
* PAL system does not have B/W.
* Please refer to the UCD datasheet for available compatibility options (802 / 803 only).

Connector Information



IRIS 4 Pin



Phone Jack



M8 Waterproof



RCA / DC

NOTE:
G GND
A AUDIO
P DC POWER
V VIDEO