Unit: ± 0.5 mm

Feature

- Miniature size
- Outstanding quality
- 5 Megapixel Resolution

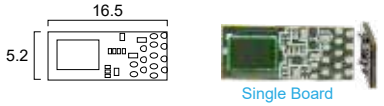
B37905R (No Lens)



BL37905 (No Lens)

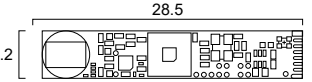


BL37905 (No Lens)



Single Board

BL37905S (No Lens)



Coming Soon

Specification

Model No.	B37905R	BL37906S
CRA	34.68°	
Dimensions (mm)	Ø 5.2	6.0
Orientation	**Front View**	Side View
Camera Type	Board Type	
Video Format	MJPG / YUV	
Image Sensor	1/4.75" Color CMOS Camera Module	
Resolution	2880 x 1800 @ 30 fps	
Pixel Size (um)	1.116 x 1.116	
Image Area (mm)	3.21 x 2.01	
Sensitivity (Lux.Sec)	4000 e^-	
Dynamic Range	73.2 dB @ 15.5x gain	
S/N Ratio	38.2 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 3.0	
Power Supply	DC 5 V	
Power Current	TBD mA (Max.), TBD mA (with LED)	
Microphone	N/A (External Optional)	
Frame Sync	N/A (Optional)	
Strobe Function	N/A (Optional)	
Operation System	Win XP, Win Vista, Win 7, Win 8, Win 10 Linux, MAC OSX	

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

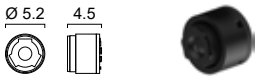
B37905R



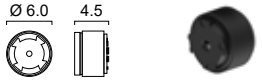
▲ YD-B37905R-77



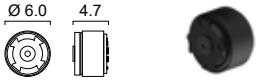
B37905R-77 (77°)



B37905R-78 (78° / F 2.4)



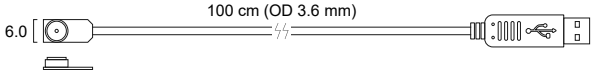
B37905R-78 (78° / F 5.0)



BL37906S

Coming Soon

▲ YD-BL37906S-77



BL37906S-77 (77°)

Coming Soon

BL37906S-131 (131°)

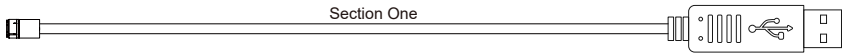
Coming Soon

Unit: ± 0.5 mm

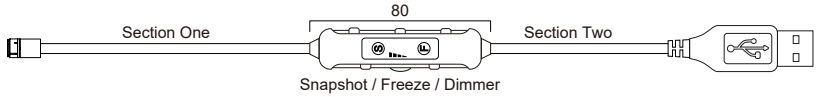
CABLE

Please check cable information for Section One and Section Two.

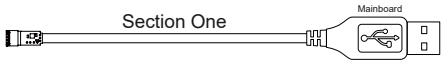
Y



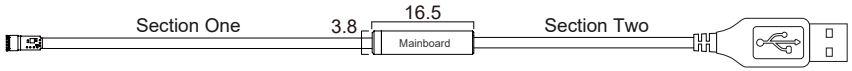
FY



X



Mainboard assembled in connector when cable length is within 500 cm.

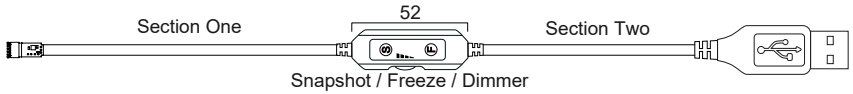


Mainboard assembled in between camera head and connector when cable length is more than 500 cm.

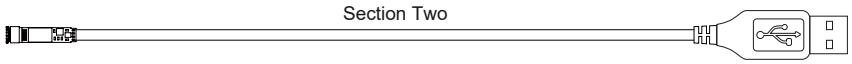


Mainboard assembled in between camera head and connector when cable length is more than 500 cm.

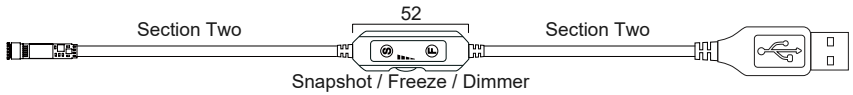
FX



T



FT



Section One (Max. 15 Pin)

OD (mm)		Length (cm)	Series
1.5	#38 x 13C	10~100	Y
		10~250	K X
1.7	#36 x 13C	10~70	Y
		10~200	K X
1.9	#36 x 15C	10~150	Y
		10~400	K X
2.8	#32 x 15C	10~200	Y
		10~400	K X

Section Two (Max. 7 Pin)

OD (mm)		Length (cm)	Series
1.4	#28 x 4C	10~1000	K X T
1.4	#30 x 4C	10~600	
1.6	#28 x 4C	10~1000	
1.7	#36 x 9C	10~200	
2.8	#30 x 7C	10~400	
3.6	#28 x 7C	10~1000	
3.6	#28 x 11C	10~250	Y
5.0	#24 x 9C	10~1500	K X T
6.2	#28 x 11C	10~200	Y

YD-BL37906SA-77

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 3.0	UVC (USB)	Front View	Color B/W Dimensions			Code Specification View Angle
(F)Y Low Temp.	D Type A	(V)B Board Type	37905R 379M5R Ø 5.2	N/A None	N/A None	131 0.86 mm / F 2.4 131°
	T Type C		37906S 379M6S 6.0	A External	White	78 2.33 mm / F 2.4 78°
		Side View			L Normal	2.33 mm / F 5.0
		(V)BL Board Type			LH High-Intensity	77 2.34 mm / F 2.2 77°
					Infrared	2.34 mm / F 4.7
*F Snapshot and Freeze Frame		*V Dimmer Controller	*R Round Shape		L9 IR 940 nm	
					L8 IR 850 nm	

* 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.

Connector Information



USB Type A



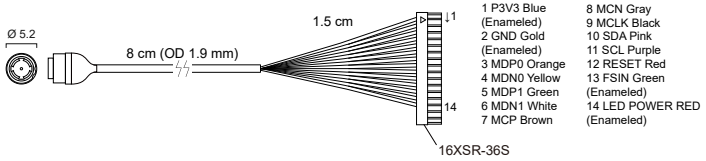
USB Type C

Unit: ± 0.5 mm

Customize



▲ XR-B37905R-77-(xx)



1 P3V3 Blue (Enameled)	8 MCN Gray
2 GND Gold (Enameled)	9 MCLK Black
3 MDP0 Orange	10 SDA Pink
4 MDN0 Yellow	11 SCL Purple
5 MDP1 Green	12 RESET Red
6 MDN1 White	13 FSIN Green (Enameled)
7 MCP Brown	14 LED POWER RED (Enameled)