Unit: ± 0.5 mm

Feature

- Miniature size.
- Outstanding quality.
- 8 Megapixel Resolution.
- Compatible with auto focus lens.

Built-in Microphone

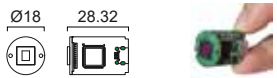
AF Auto Focus

Specification

Model No.	B57018	B57020	B57015	B57010	B57088
Dimensions (mm)	Ø 18	Ø 20	15 x 15	10 x 10	8.6 x 8.6
Orientation	Front View				
Camera Type	Board Type				
Video Format	MJPEG / YUV				
Image Sensor	1/3.2" Color CMOS Camera Module				
Resolution	Please Check Resolution Information Table				
Pixel Size (um)	1.4 × 1.4				
Image Area (mm)	4.59 × 3.45				
Sensitivity (Lux.Sec)	0.65 V				
Dynamic Range	60 dB				
S/N Ratio	36 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 2.0				USB 3.0
Power Supply	DC 5 V				
Power Current	170 mA (Max.), 270 mA (with LED)				
Microphone	N/A (Built-In Optional)				
Operation System	Win10, Win8, Win7, Windows XP, Mac OS, Linux, Android				

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

B57018 (No Lens)



B57020 (No Lens)



B57015 (No Lens)



B57010 (No Lens)



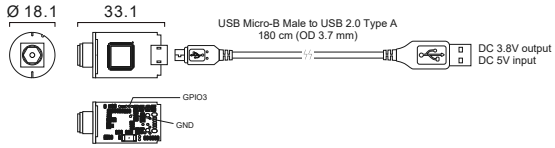
B57088 (No Lens)



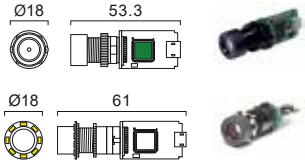
57018



▲ MD-B57018V-4424

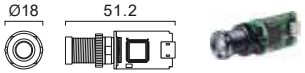


B57018-20 (20°)

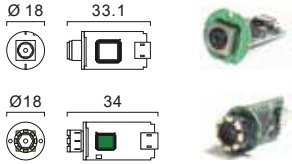


with LED

B57018-26 (26°)

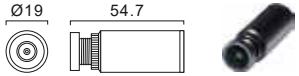


B57018V-4424 (68°)

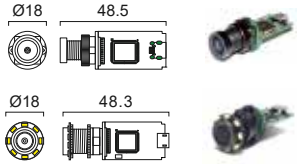


with LED

T57019V-4424 (68°)

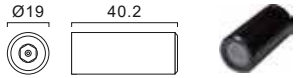


B57018-120 (120°)



with LED

T57019-120 (120°)

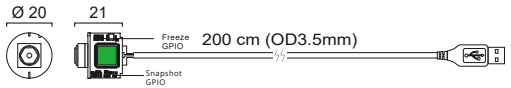


Unit: ± 0.5 mm

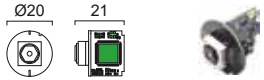
57020



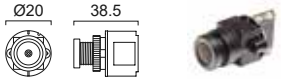
▲ MD-B57020V-4424



B57020-4424 (68°)



B57020-120 (120°)

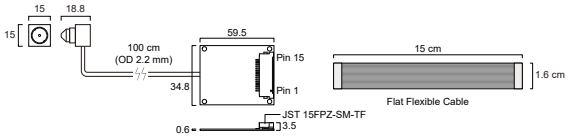


57015

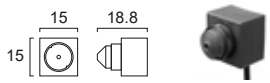


Accessory (WFP-1510-0001)

▲ XR-S57015U-75



S57015U-75 (75°)



S57015V-4424 (68°)

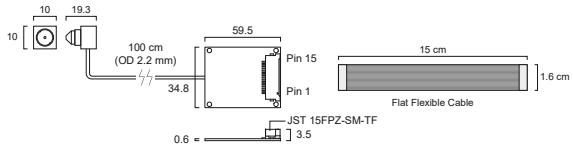


57010



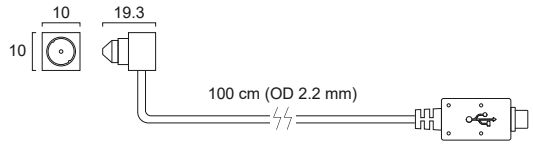
Accessory (WFP-1510-0001)

▲ XR-S57010U-75

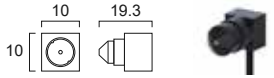




▲ XT-S57010U-75



S57010U-75 (75°)



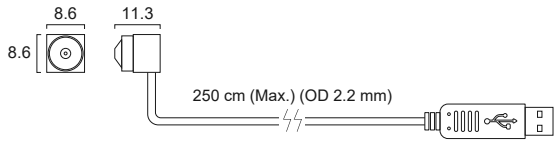
S57015-4424 (68°)



57088

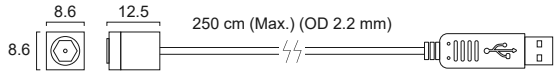


▲ YD-S57088U-75

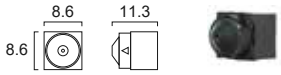




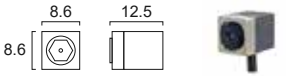
▲ YD-S57088V -4424



S57088-75 (75°)



S57088UV-4424 (68°)



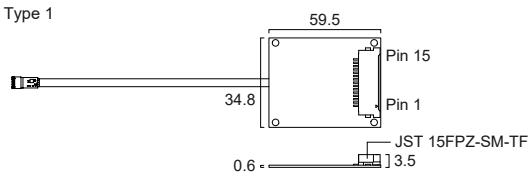
Unit: ± 0.5 mm

Resolution Information

	USB 2.0		USB 3.0	
	MJPG	YUV	MJPG	YUV
3264 x 2448	20 fps	1 fps	20 fps	20 fps
2592 x 1994	20 fps	3 fps	20 fps	20 fps
2048 x 1536	20 fps	3 fps	20 fps	20 fps
1920 x 1080	25 fps	5 fps	25 fps	25 fps
1600 x 1200	20 fps	3 fps	20 fps	20 fps
1280 x 960	30 fps	7.5 fps	30 fps	30 fps
1280 x 720	30 fps	10 fps	30 fps	30 fps
1024 x 768	30 fps	10 fps	30 fps	30 fps
640 x 480	30 fps	30 fps	30 fps	30 fps

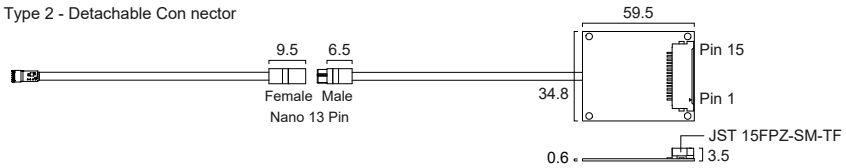
Raspberry Pi (RPi) / MIPI CSI-2 (Available for X Series Only)

Type 1

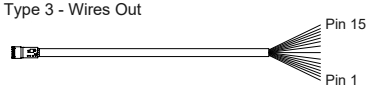


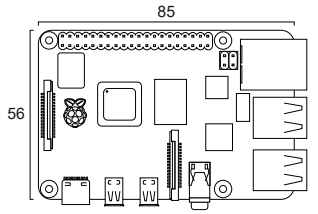


Type 2 - Detachable Con nector

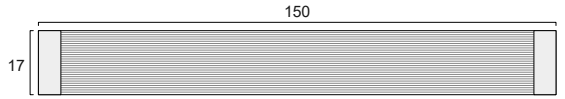


Type 3 - Wires Out









PIN	NAME	DESCRIPTION	PIN	NAME	DESCRIPTION
1	GND	Ground	9	MCP	MIPI clock positive output
2	MDN0	MIPI data negative output	10	GND	Ground
3	MDP0	MIPI data positive output	11	RST	Reset and power down (active low)
4	GND	Ground	12	MCLK	System clock input
5	MDN1	MIPI data negative output	13	SCL	Serial interface clock
6	MDP1	MIPI data positive output	14	SDA	Serial interface data
7	GND	Ground	15	+3.3V	Power supply +3.3V
8	MCN	MIPI clock negative output			

MD-B57018AVL-20

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LENS TYPE	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	57018 - Ø 18	N/A None	N/A None	N/A None	20 / 17.5 mm / F 8.0 / 20°
USB 2.0	T Type C	T Tube Type	57020 - Ø 20	A Built-in	V Auto Focus	**White**	26 / 12 mm / F 2.0 / 26°
(F)X Low Temp.	E TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)	V Tube Type	57088 - 8.6 x 8.6	57088		L Normal	4424 / 4.4 mm / F 2.4 / 68° AF
(F)M Basic	R Raspberry Pi (X)	S Forming Type	57010 - 10 x 10	A External		LH High-Intensity	75 / 3.7 mm / F 2.5 / 75°
*F Snapshot and Freeze Frame		**Up View** S Forming Type	57015 - 15 x 15				120 / 2.9 mm / F 2.0 / 120°
		*V Dimmer Controller					*AF Auto Focus Lens

* Camera with LED light source is suggested to use lens with larger F-Stop number.
* Camera appearance or other requirements are applicable for customization.
* TE Industrial Mini I/O Type II connector does not support USB 3.0 output.

Connector Information


USB Type A


USB Type C


TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)