Unit: ± 0.5 mm

Feature

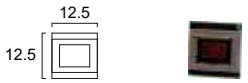
- Miniature size.
- Outstanding quality.
- 1080p image pixel.

Specification

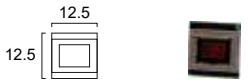
Model No.	B639A12 (IMX307)	B639B12 (IMX462)
CRA	6.14°	0°
Dimensions (mm)	12.5 x 12.5	
Orientation	Front View	
Camera Type	Board Type	
Video Format	MJPEG	
Image Sensor	1/2.8" Color CMOS	1/2.82" Color CMOS
Resolution	1920 x 1080 @ 60 fps	1920 x 1080 @ 120 fps
Pixel Size (um)	2.9 × 2.9	
Image Area (mm)	5.57 x 3.13	
Sensitivity (Lux.Sec)	1300 mV	
Dynamic Range	78 dB	
S/N Ratio	37 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	MIPI	
Power Supply	DC 5 V	
Power Current	60 mA (Max.)	
Microphone	N/A (External 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.

B639A12 No Lens



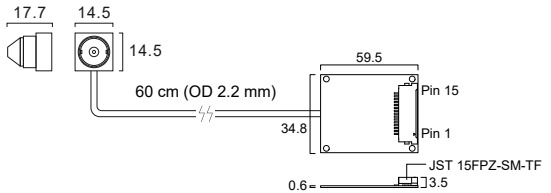
B639B12 No Lens



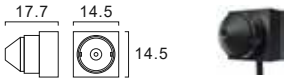
S639A15



▲ XR-S639A15U-77



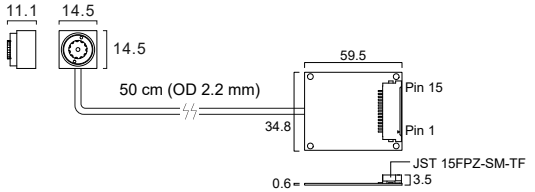
S639A15U-77 (77°)



S639B15

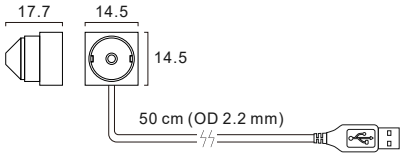


▲ XR-S639B15U-70

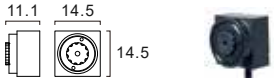




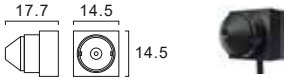
▲ XD-S639B15U-77



S639B15U-70 (70°)



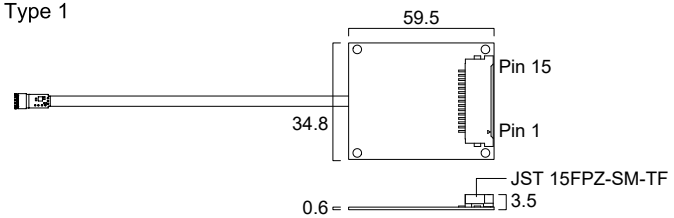
S639B15U-77 (77°)



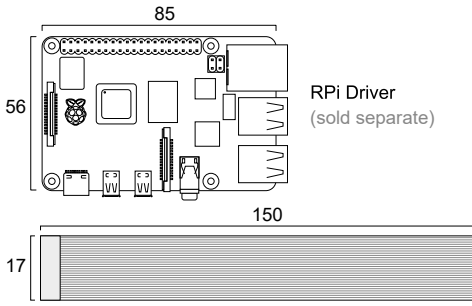
Unit: ± 0.5 mm

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

Type 1

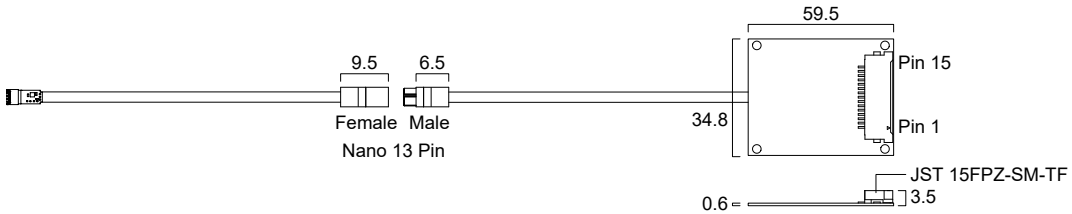








Type 2 - Detachable Connector



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			

XD-S639B15U-77

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
(F)X Low Temp.	UVC (USB) D Type A R Raspberry Pi / MIPI CSI-2	Front View (V)B Board Type T Tube Type V Tube Type S Forming Type	Color / B/W / Dimensions 639A12 639AM12 12.5 x 12.5 639B12 639BM12 12.5 x 12.5	N/A None A External	N/A None White L Normal LH High-Intensity Infrared L9 IR 940 nm L8 IR 850 nm	Code / Specification / View Angle 70 4.5 mm / F 2.8 70° 77 4.14 mm / F 2.4 77°
*F Snapshot and Freeze Frame		*V Dimmer Controller				

* 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.
* TE Industrial Mini I/O Type II connector does not support USB 3.0 output.