Unit: ± 0.5 mm

Feature

- Miniature size with outstanding quality.
- AGC and Frame Rate can be customized
- VGA image pixel.

Specification

Model No.	B8F4	BL8F4	BS8F4	B23005
Dimensions (mm)	Ø 4.8 x 20.9	Ø 5 x 20	Ø 4.8 x 0.35	Ø 4.8 x 34
Orientation	Front View	Side View	Front View	Front View
Camera Type	Board Type			
Video Format	NTSC / PAL			
Image Sensor	1/8" Color CMOS Camera Module			
Resolution	640 x 480			
Pixel Size (um)	2.8 x 2.8			
Image Circle	Ø 2.27			
Sensitivity (Lux.Sec)	1.06 V			
Dynamic Range	60.3 dB			
S/N Ratio	40.8 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.)	15~30 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			
Power Supply	DC 3.3 V			
Power Current	130 mA (Max.)			
Microphone	N/A (External Optional)			

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

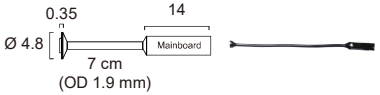
B8F4 (No Lens)



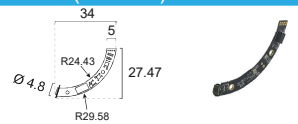
BL8F4 (No Lens)



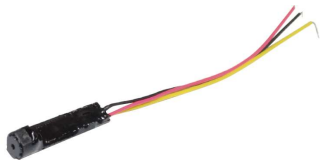
BS8F4 (No Lens)



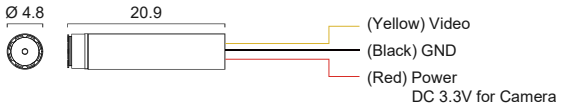
B23005 (No Lens)



8F4



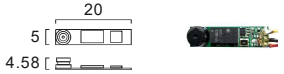
▲ MX-B8F4-75



BL8F4-88 (88°)



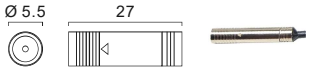
BL8F4-120 (120°)



BL8F4-145 (145°)



T8F4 (63°)



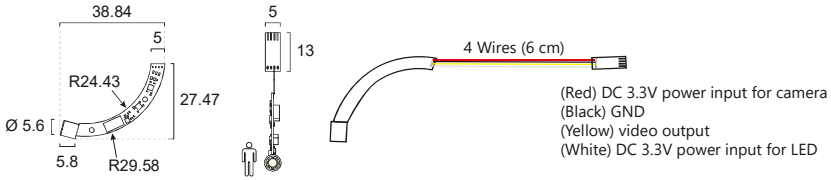
BS8F4-75 (75°)



23005



▲ MX-T23005LH-75



Unit: ± 0.5 mm

MX-B8F4LW-75

SERIES

- **MX** Low Light

(No Snapshot Screen and No Freeze Frame Function)

CONNECTOR

CVBS

- **N/A** IRIS 4 Pin
- **J** Phone Jack
- **Q** M8 Waterproof
- **F** RCA / DC

CAMERA BODY

Front View

- **(V)B** Board Type
- **B(S)** Board Type
- **T** Tube Type

Side View

- **(V)BL** Board Type

- ***V** Dimmer Controller
- ***S** Low Temp

DISPLAY

Front View

Color	B/W	Dimensions
8F4(K)	7F4(K)	Ø 4.8 x 20.9
		Ø 4.8 x 0.35
8S4(K)	7S4(K)	
23005	230M5	Ø 4.8 x 34 (Curved shaped) (Flip 90 degrees for forward view)

Side View

Color	B/W	Dimensions
8F4(K)	7F4(K)	5 x 20.9
8S4(K)	7S4(K)	

- ***K** 15 fps Frame Rate
- ***F** AGC 32X
- ***S** AGC 8X

MICROPHONE

- **N/A** None
- **A** External

LED

- **N/A** None

White

- **L** Normal
- **LH** High-Intensity

Infrared

- **L9** IR 940 nm
- **L8** IR 850 nm

END SIDE

- **N/A** Cable + Connector
- **C** Cable + Wires Out
- **W** Wires Out

LENS

Code	Specification	Thread	View Angle
145	1.00 mm / F 4.5	M 2.2 x P 0.25	145°
88	1.52 mm / F 4.8	M 4.0 x P 0.2	88°
75	1.498 mm / F3.2	M 3.5 x P 0.3	75°
63	1.83 mm / F 2.0	M 4.0 x P 0.2	63°

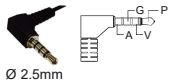
Code	Specification	Thread	View Angle
51	2.34 mm / F 4.7	M 4.0 x P 0.25	51°
43	2.88 mm / F 4.8	M 3.8 x P 0.25	43°
37	3.40 mm / F 6.0	M 6.0 x P 0.35	37°
32	3.9 mm / F 3.9	M 5.5 x P 0.35	32°

* 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



IRIS 4 Pin



Phone Jack



M8 Waterproof


RCA / DC

NOTE:
G GND
A AUDIO
P DC POWER
V VIDEO


Wires Out



*Choose either connector or wires. (If connector is chosen cannot choose wires, vice versa)