Unit: ± 0.5 mm

Feature

- Global Shutter
- VGA image pixel.
- Built-In Microphone.

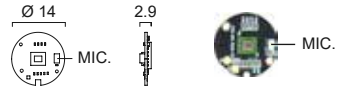
Global Shutter

Built-in Microphone

BL24M7 (No Lens)



B24M14R (No Lens)



Specification

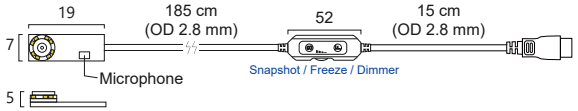
Model No.	BL24M7	B24M14R
Dimensions (mm)	7 x 19	Ø 14
Orientation	Side View	Front View
Camera Type	Board Type	
Video Format	MJPEG / YUV	
Image Sensor	1/7.5" B/W CMOS Camera Module	
Resolution	640 x 480 @ 30 fps MJPG / YUV	
Pixel Size (um)	3.0 x 3.0	
Image Area (mm)	1.97 x 1.49	
Sensitivity (Lux.Sec)	7190 mV @ 850 nm; 2800 mV @ 530 nm	
Dynamic Range	73 dB	
S/N Ratio	-	
Scan Mode	Progressive	
Shutter	Global	
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	
Power Supply	DC 5 V	
Power Current	120 mA (Max.)	
Microphone	N/A (Built-In 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.

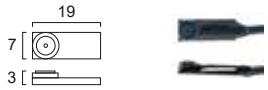
BL24M7



▲ FTT-VBL24M7ALH-83



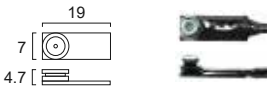
BL24M7-69 (69°)



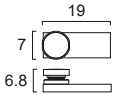
BL24M7-81 (81°)



BL24M7-83 (83°)



BL24M7-142 (142°)

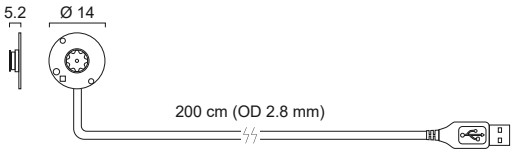


Coming Soon

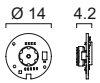
B24M14R



▲ MD-B24M14RU-79

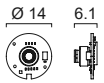


B24M14R-69 (69°)



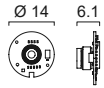
Coming Soon

B24M14R-81 (81°)



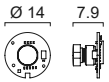
Coming Soon

B24M14R-83 (83°)



Coming Soon

B24M14R-142 (142°)



Coming Soon

Unit: ± 0.5 mm

Global Shutter



Means that all pixels of the array are exposed simultaneously.

Advantage
- No Distortion of straight lines with fast-moving objects
- No limit on flash sync speed

Disadvantage
- Higher noise levels
- Lower frame rates
- Lower dynamic range

Rolling Shutter



Means that adjacent rows of the array are exposed at slightly different times as the readout 'waves' sweep through each half of the sensor.

Advantage
- Lower noise levels
- Higher frame rates
- Higher dynamic range

Disadvantage
- May cause image distortion of moving objects
- Limited flash sync speed

More Information

- Global shutter function to reduce or eliminate unwanted image artifacts.
- High sensitivity camera works better with IR LED light !
- Available for Medical equipment such as Angiography.

Lens Filter

Filter Type	Wavelength
AR	IR PASS
XR	850-945 nm
ZR / Z	800nm [800peak]
ZZR / ZZ	825-945nm

Camera with ZR/Z Filter



TD-BL24M7ALH-69

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 2.0 (F)T Advance (F)M Basic *F Snapshot and Freeze Frame	UVC (USB) D Type A T Type C E TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)	Front View (V)B Board Type T Tubte Type V Tube Type Side View ((V)BL Board Type (V)SL Forming Type (V)ZL Slim Forming Type TL Tube Type VL Tube Type *V Dimmer Controller	Color / B/W / Dimensions - 24M7 7 x 19 (T) - 24M14R Ø 14 (M) *R Round Shape	N/A None A Built-In	N/A None White L Normal LH High-Intensity Infrared L9 IR 940 nm L8 IR 850 nm	Code / Specification / View Angle 46 2.88 mm / F 2.0 46° 2.88 mm / F 4.8 68 1.80 mm / F 2.0 68° 1.80 mm / F 8.0 69 1.83 mm / F 5.0 69° 81 1.55 mm / F 5.7 81° 1.55 mm / F 8.0 83 1.50 mm / F 4.0 83° 1.50 mm / F 5.7 139 0.77 mm / F 2.4 139° 142 1.523 mm / F 4.5 142° 1.523 mm / F 6.0 1.523 mm / F 8.0

* 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.

Connector Information



USB Type A



USB Type C



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