Unit: ± 0.5 mm

Feature

- Miniature size.
- Outstanding quality.
- VGA image pixel.

Global Shutter

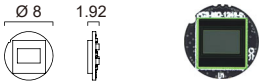
800p Resolution

Specification

Model No.	B441A08R	B441B08R
Chief Ray Angle	20°	0°
Dimensions (mm)	Ø 8	
Orientation	Front View	
Camera Type	Board Type	
Video Format	MJPEG / TUV	
Image Sensor	1/4.1" Color CMOS Camera Module	
Resolution	1280 x 800 @ 15~30 fps (USB 2.0) @ 60 fps (USB 3.0)	
Pixel Size (um)	3.0 x 3.0	
Image Area (mm)	3.84 x 2.16	
Sensitivity (Lux.Sec)	4.3 V	
Dynamic Range	63.9 dB	
S/N Ratio	38 dB	
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 / USB 3.0	
Power Supply	DC 5 V	
Power Current	250 mA (Max.)	
Microphone	N/A	
Operation System	Win XP, Win Vista, Win 7, Win 8, Win 10 Linux, MAC OSX	

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

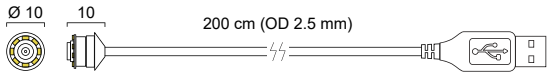
B441A08R / B441B08R No Lens



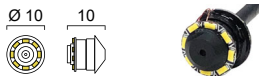
B441A



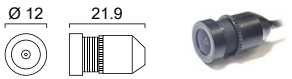
▲ TD-B441A10RL-73



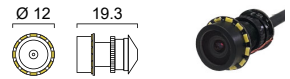
B441A10RL-73 (73°)



B441A10R-112 (112°)



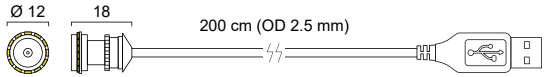
B441A10RL-112 (112°)



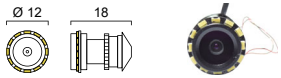
B441B



▲ TD-B441B10RL-112

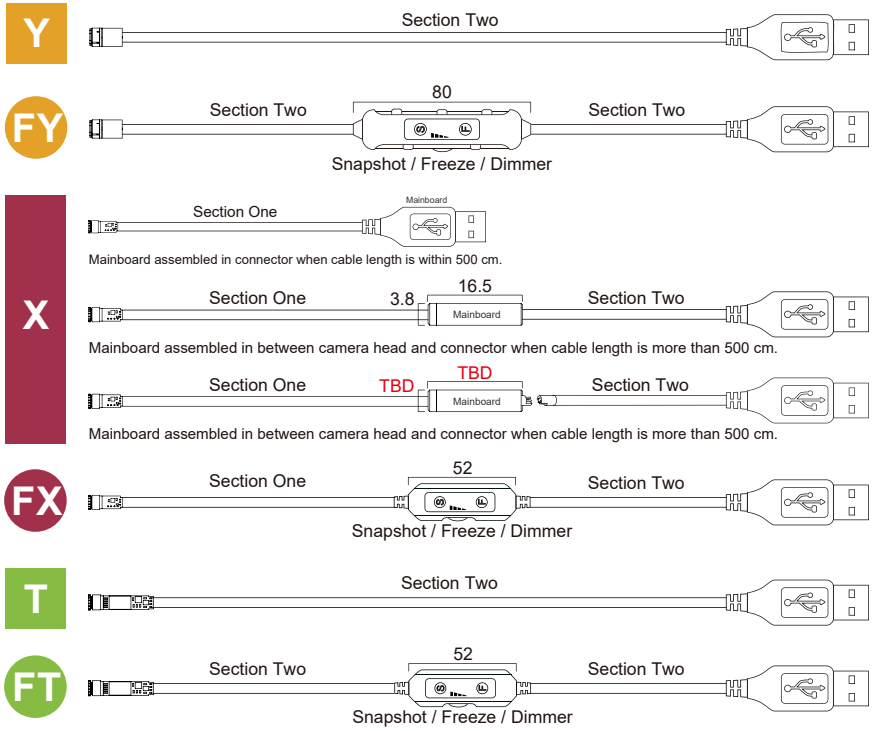


B441B10RL-112 (112°)



Unit: ± 0.5 mm

Cable Please check cable information for Section One and Section Two.



Section One

OD (mm)	Length (cm)	Series
2.8	10~230	FY Y FX X
3.8	10~200	

Section Two

OD (mm)	Length (cm)	Series
0.35 Enameled Wires	10~150	FX X FT T
0.9	10~200	
1.4 AWG#30	10~600	
1.4 AWG#28	10~1000	
1.6	10~1000	
1.7	10~200	
2.8	10~400	
3.5	10~1000	
5.0	10~1500	
3.6	10~250	FY Y
6.2	10~200	

Global Shutter

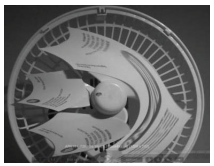


Means that all pixels of the array are exposed simultaneously.

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.

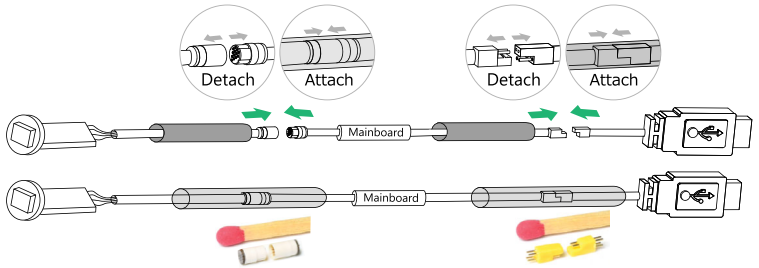
Advantage
- Lower noise levels
- Higher frame rates
- Higher dynamic range

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

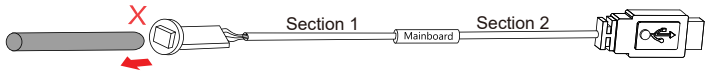
Detachable Nano Connectors *(Customize Option)*

Specifically designed to overcome the big size of connector and camera head.

With detachable Nano connectors,
a tube can go through the thin cable from halfway.

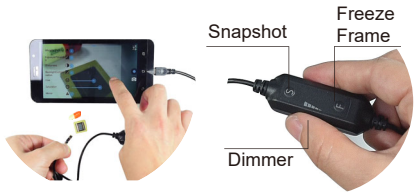


Without detachable Nano connectors,
camera head cannot go through the tube.



★Each segment can be modified by customer request.

Unit: ± 0.5 mm





- Linux
- Windows
- MAC
- Android
- Windows

All MISUMI UVC Camera are Compatible With MP-WF580KP (WiFi DVR)

For example:
Our extremely lightweight 1920 x1080 (1080p) 1/6" CMOS UVC glasses camera is compatible with MP-WF580KP (WiFi DVR).

Supports H.264 video format input, loop recording, snapshot functions.
Supports max memory 128 GB (micro SD).

Users can view live streaming video via a smartphone.





▲MP-WF580KP

About MP-WF580KP:
It deliver the best 1080p live streaming performance when using H.264 camera.
MJPEG cameras can only live stream at resolutions of 720p and below.
MJPEG cameras delivers the best live streaming performance at 640 x 480.

Camera Parameter Adjustable (MISUMI APP)

Camera parameter can be adjusted on the smartphone via the Misumi app and PC viewer software AMCAP.





NOTE: MISUMI APP does not support Android 10.

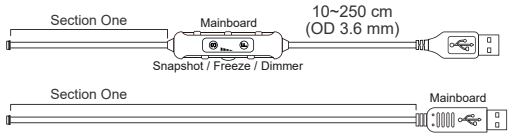
FYD-VB441A08RLH-54A

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 3.0 (F)Y Low Temp. **USB 2.0** (F)X Low Temp. (F)T Advance *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** B Board Type VB Board Type T Tube Type V Tube Type *V Dimmer Controller	**Color** / **B/W** / **Dimensions** 441A08R / 441AM8R / Ø 8 x 1.92 441B08R / 441BM8R / Ø 8 x 1.92 *R Round Shape *A Chief Ray Angle 20° *B Chief Ray Angle 0°	N/A None	N/A None **White** LH High-Intensity **Infrared** L9 IR 940 nm L8 IR 850 nm	**Code** / **Specification** / **View Angle** 144 / 2.3 mm / F 7.0 / 144° 120 / 2.65 mm / F 2.4 / 120° 112 / 2.65 mm / F 2.6 / 112° 73 / 3.51 mm / F 3.5 / 73° 68 / 3.40 mm / F 2.8 / 68° 54 / 4.5 mm / F 2.8 / 54° 52 / 4.4 mm / F 2.4 / 52°

CABLE

Camera Head to Mainboard (Section One)

N/A Cable OD 2.5 mm (T Series Only)
A Cable OD 2.8 + 0.1 mm (Max. 200 cm)



* 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

