

Feature

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

Global
Shutter

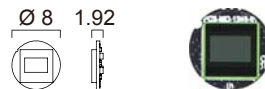
720p
Resolution

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" Color CMOS Camera Module	
Resolution	1280 x 720 @ 60 fps	
Pixel Size (um)	3.0 x 3.0	
Image Area (mm)	3.84 x 2.16	
Sensitivity (Lux.Sec)	4300 mV	
Dynamic Range	63.9 dB	
S/N Ratio	TBD	
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.

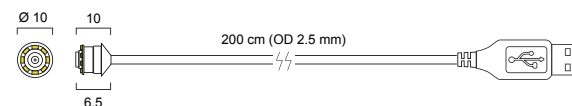
B441A08R / B441B08R No Lens



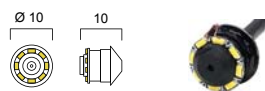
B441A



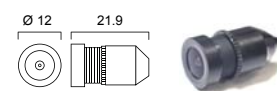
▲ TD-B441A10RL-73



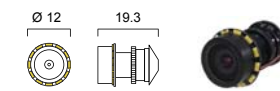
B441A10RL-73 (73°)



B441A10R-112 (112°)



B441A10RL-112 (112°)



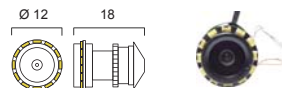
B441B



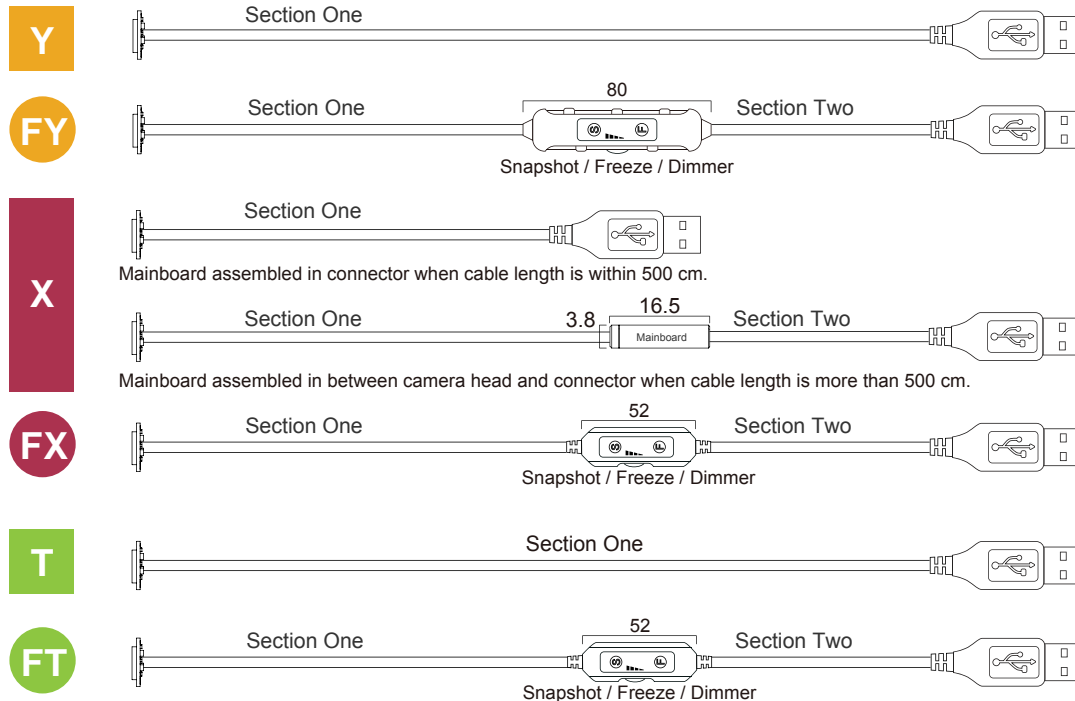
▲ TD-B441B10RL-112



B441B10RL-112 (112°)



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



Global Shutter



Means that all pixels of the array are exposed simultaneously.

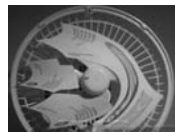
Advantage

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

Disadvantage

- More 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

- Artifacts with fast-moving subjects
- Limited flash sync speeds

Section One

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

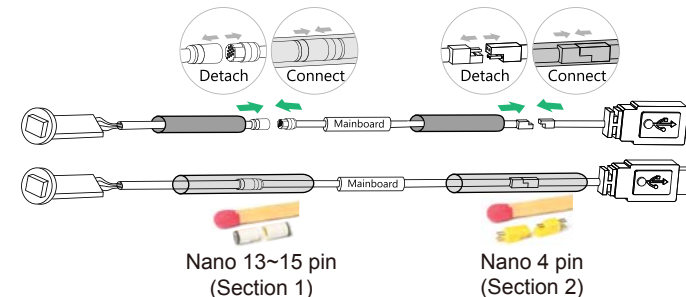
Section Two

OD (mm)	Length (cm)	Series
0.35 Enameled Wires	10~150	
0.9	10~200	
1.4 AWG#30	10~600	FX X
1.4 AWG#28	10~1000	FT T
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	

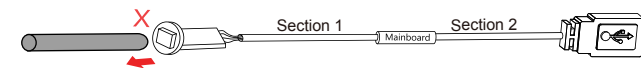
Detachable Nano Connectors (Customize Option)

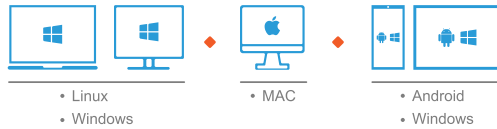
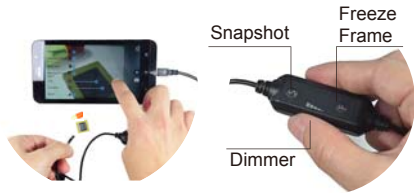
Specifically designed to overcome the big size of connector and camera head.

- ✓ **With detachable Nano connectors**
A bigger size tube can go through the thin cable from halfway.



- ✗ **Without detachable Nano connectors**
Camera head cannot go through the bigger tube.





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

For example:
Our extremely lightweight 1920 x 1080 (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).

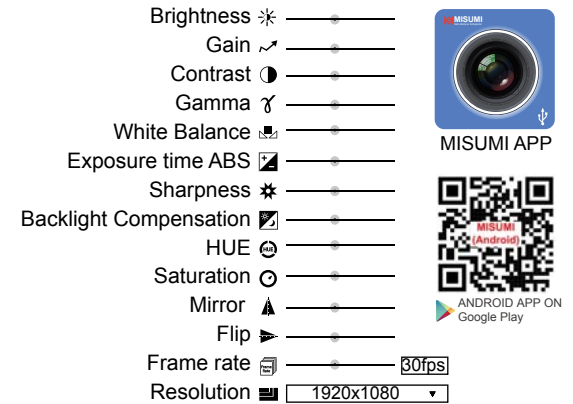
Users can view live streaming video via a smartphone.



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.

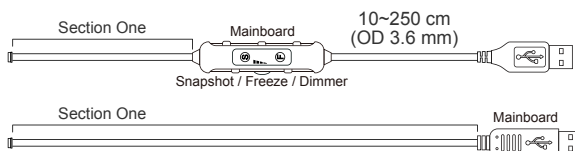
FYD-VB441A08RLH-54A

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 3.0 (F)Y Low Temperature USB 2.0 (F)X Low Temperature (F)T Advance *F Snapshot and Freeze Frame	UVC (USB) D Type A M Micro-B (OTG) T Type C I Mini-B	Front View B Board Type VB Board Type T Tube Type V Tube Type *V Dimmer Controller	Color 441A08R 441AM8R 441B08R 441BM8R *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.

Connector Information

