

**Series Information**

Series	FX	X	FT	T	F	M
Snapshot and Freeze Frame	Support	N/A	Support	N/A	Support	N/A
Feature	Low Temperature		Advance		Basic	
Video Format	MJPEG / YUV				MJPEG / YUV / H.264	
Camera Shape	Round Shape				T Shape	
Orientation	Front View					

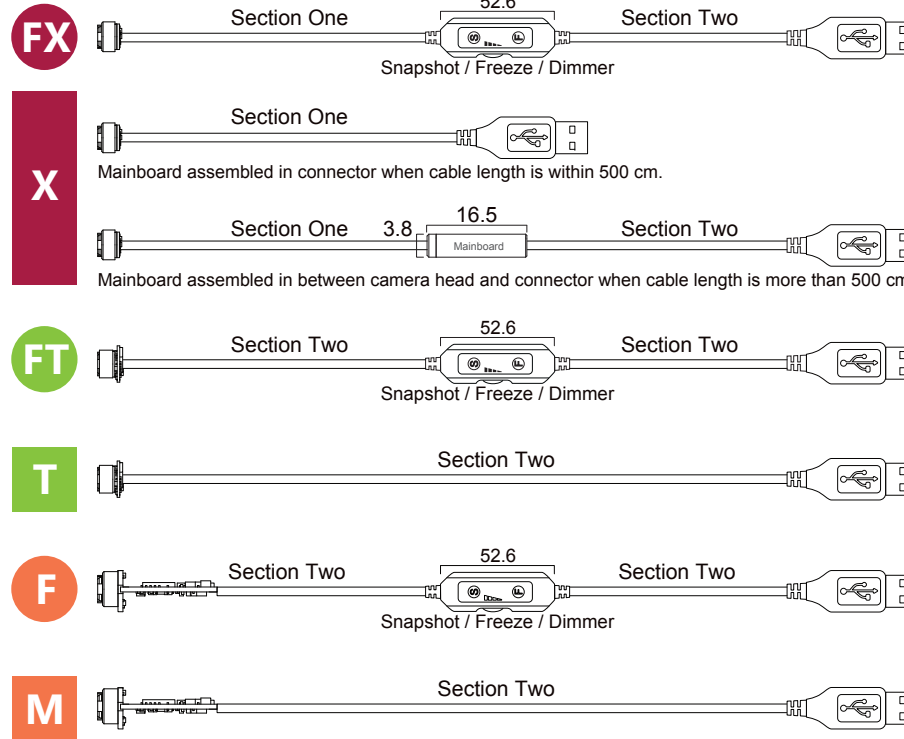
■ **FX / X Series (B44106-65)**



■ **F / M Series (B44109-65)**



Interface	USB 2.0	
Frame Rate	15~30 fps	
Image Sensor	1/4" Digital CMOS Camera Module	
Pixel Size (μm)	3.0 × 3.0	
Frame Rate (Max.)	1280 × 720 960 × 540, 848 × 480 640 × 480, 640 × 360 424 × 240, 320 × 240 320 × 180, 160 × 120 @ 30fps MJPEG	
Image Area (mm)	3.84 × 2.16	
Scan Mode	Progressive	
Sensitivity	4300 mV/(Lux·sec)	
Dynamic Range	72 dB	
Storage Temperature	-30 to 60 Degree C	
Working Temperature	-10 to 45 Degree C	
Lens (specify which lens)	62	3.6 mm / F 4.5 (H= 56°; V= 33°; D= 62°)
	65	3.4 mm / F 2.8 (H= 58°; V= 35°; D= 65°) 3.4 mm / F 6.0
Power Source	DC 5V (USB)	
Power Current	160 mA 190 mA (With LED)	
Operating System	Windows XP, Windows Vista, Window 7 Windows 8, Windows 10, Linux, Mac OSX	



**Section One (Max. 15 Pin)**

OD [mm]	Length [cm]	Series
1.5 AWG#38 EN-13C	10~250	FX X
1.7 AWG#36 EN-13C	10~250	
1.9 AWG#36 EN-15C	10~500	
2.8 AWG#32 EN-15C	10~500	

**Section Two (Max. 7 Pin)**

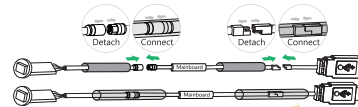
OD [mm]	Length [cm]	Series
0.35 Enameled Wires	10~150	FX X FT T F M
0.9 AWG#42 EN-9C	10~200	
1.4 AWG#28 EN-4C	10~1000	
1.4 AWG#30 EN-4C	10~600	
1.6 AWG#28 EN-4C	10~1000	
1.7 AWG#36 EN-9C	10~200	
2.8 AWG#30 EN-7C	10~400	
3.6 AWG#28 EN-7C	10~1000	
5.0 AWG#24 EN-9C	10~1500	

**Detachable Nano Connectors (Customize Option)**

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

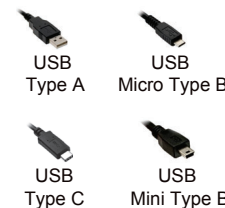
✓ **With detachable Nano connectors**  
A bigger size tube can go through the thin cable from halfway.

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



Nano 13~15 pin (Cable A) Nano 4 pin (Cable B)

# FXD-B44106RLH-65

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	LED	LENS
<p><b>FX</b> Low temperature with Snapshot and freeze frame</p> <p><b>X</b> Low temperature</p> <p><b>FT</b> Advance with Snapshot and freeze frame</p> <p><b>T</b> Advance</p> <p><b>F</b> Basic with Snapshot and freeze frame</p> <p><b>M</b> Basic</p>	<p><b>UVC Signal</b></p> <p><b>D</b> USB 2.0 Type A</p> <p><b>M</b> USB 2.0 Micro Type B (OTG)</p> <p><b>T</b> USB 2.0 Type C</p> <p><b>I</b> USB 2.0 Mini Type B</p> <p><b>Connector Information</b></p> 	<p><b>Front View</b></p> <p><b>B</b> Board Type</p> <p><b>VB</b> Board Type + Dimmer</p> <p><b>T</b> Tube Type</p> <p><b>V</b> Tube Type + Dimmer</p>	<p><b>Board Type</b></p> <p><b>44106R</b> Color <b>FX X</b></p> <p><b>441M6R</b> B/W <b>FX X</b></p> <p><b>44108R</b> Color <b>FT T</b></p> <p><b>441M8R</b> B/W <b>FT T</b></p> <p><b>44109</b> Color <b>F M</b></p> <p><b>441M09</b> B/W <b>F M</b></p> <p><b>Tube Type</b></p> <p><b>44109</b> Color <b>FX X FT T</b></p> <p><b>441M09</b> B/W <b>FX X FT T</b></p> <p><b>44110</b> Color <b>F M</b></p> <p><b>441M10</b> B/W <b>F M</b></p> <p>* R Round shape</p>	<p><b>LH</b> High-Intensity White LED</p> <p><b>L8</b> IR 850nm LED</p> <p><b>L9</b> IR 940nm LED</p>	<p><b>62</b> 3.6 mm / F 4.5 (62°)</p> <p><b>65</b> 3.4 mm / F 2.8 (65°) 3.4 mm / F 6.0 (65°)</p>
<p>* IR 940nm or IR 850nm LED is suggested to choose B/W camera type</p> <p>* Camera with LED light source is suggested to use lens with larger F-Stop number.</p>					

## FX / X Series

Unit: ± 0.5 mm

Lens	N/A	62°	65°
B44106R Board Type	Ø 6 1.9 +0.05 0.6	Ø 7.9 11.8	Ø 7 5.7
V44109LH Tube Type	N/A	Coming Soon	Ø 9.2 11.8

## F / T Series

Lens	N/A	62°	65°
B44108R Board Type	Ø 8.4 2.2 0.6	Ø 8.4 13.5	Ø 8.4 5.9
V44109LH Tube Type	N/A	Coming Soon	Ø 9.2 12

## F / M Series

Lens	N/A	62°	65°
B44109 Board Type	Ø 9 20.8	Ø 9 30.6	Ø 9 24.6
V44110LH Tube Type	N/A	Coming Soon	Ø 10 28

### 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.



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

### Camera Parameter Adjustable (MISUMI APP)

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



NOTE for MISUMI APP:  
UVC Camera does not support Android 10