Unit: ± 0.5 mm

Feature

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

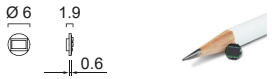
5.0 Bluetooth

Specification

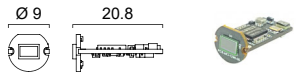
Model No.	B44106R	B44109	B44109U
Dimensions (mm)	Ø 6 x 1.9	Ø 9 x 20.8	9 x 36.5
Orientation	Front View		Up View
Camera Type	Board Type		
Video Format	MJPEG / YUV	MJPEG / YUV / H.264	
Image Sensor	1/4" Color CMOS Camera Module		
Resolution	1280 x 720 @ 30 fps		
Pixel Size (um)	3.0 x 3.0		
Image Area (mm)	3.84 x 2.16		
Sensitivity (Lux.Sec)	4300 mV		
Dynamic Range	72 dB		
S/N Ratio	37 dB		
Scan Mode	Progressive		
Shutter	Rolling		
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	160 mA (Max.), 190 mA (with LED)		
Microphone	N/A (External Optional)	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.

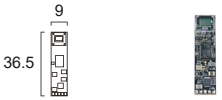
B44106R (No Lens)



B44109 (No Lens)



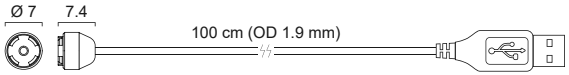
B44109U (No Lens)



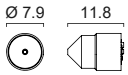
44106



▲ XD-B44106R-65



B44106R (62°)



Coming Soon

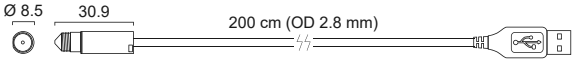
B44106R (65°)



44109

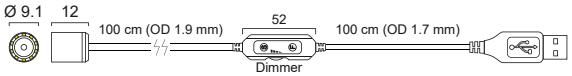


▲ MD-B44109-62

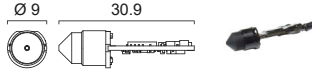




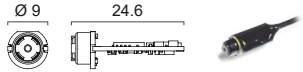
▲ XD-V441M9RL8-65



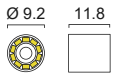
B44109 (62°)



B44109 (65°)

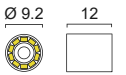


T44109 (65°)



Coming Soon

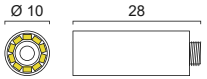
T





X

T44110 (65°)



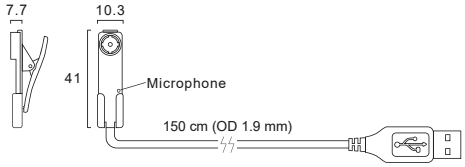
Coming Soon

Unit: ± 0.5 mm

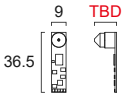
44109U



▲ MD-N44110UA-65

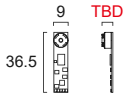


B44109U (62°)



Coming Soon

B44106U (65°)

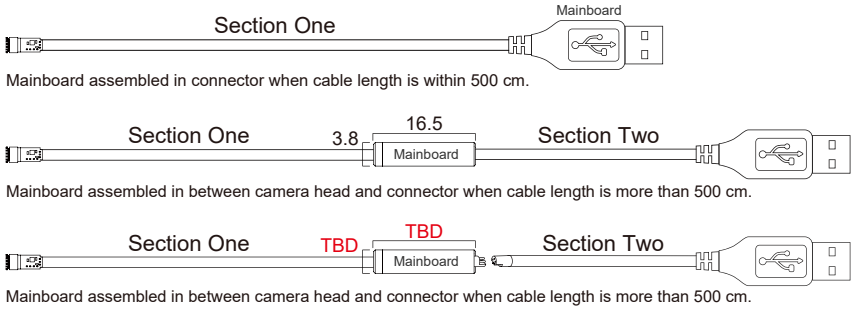


Coming Soon

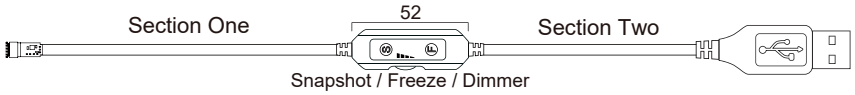
CABLE

Please check cable information for Section One and Section Two.

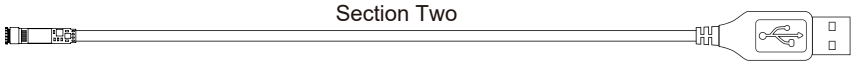
X



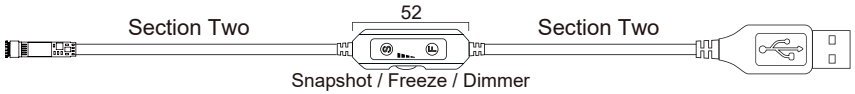
FX



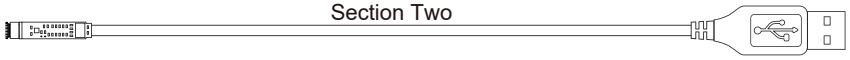
T



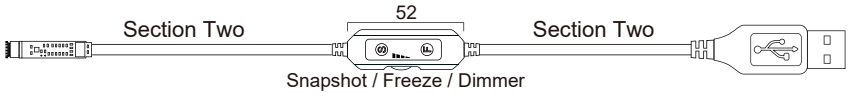
FT



M



FM



Section One (Max. 15 Pin)

OD (mm)	Length (cm)	Series
1.5 #38 x 13C	10~250	X
1.7 #36 x 13C	10~250	
1.9 #36 x 15C	10~500	
2.8 #32 x 15C	10~500	

Section Two (Max. 7 Pin)

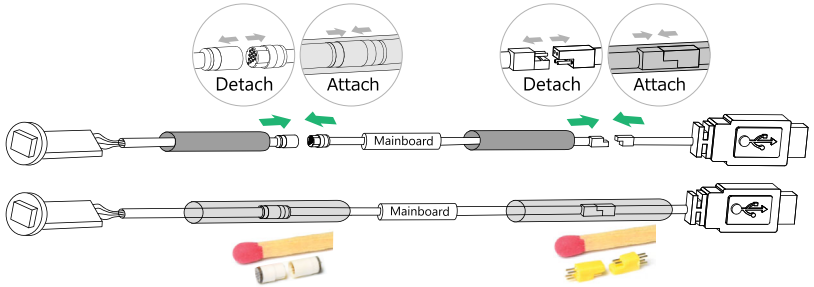
OD (mm)	Length (cm)	Series
1.4 #28 x 4C	10~1000	
1.4 #30 x 4C	10~600	
1.6 #28 x 4C	10~1000	
1.7 #36 x 9C	10~200	T M
2.8 #30 x 7C	10~400	
3.6 #28 x 7C	10~1000	
5.0 #24 x 9C	10~1500	

Unit: ± 0.5 mm

Detachable Nano Connectors *(Customize Option)*

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

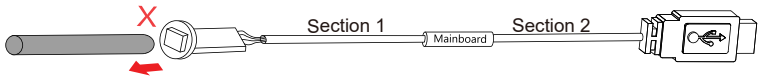
With detachable Nano connectors,
a tube can go through the thin cable from halfway.



Nano 13~15 pin
(Section 1)

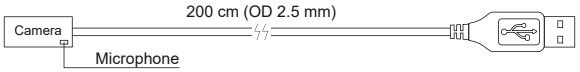
Nano 4 pin
(Section 2)

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

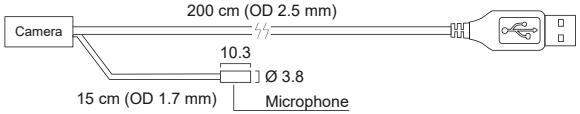


★Each segment can be modified by customer request.

Camera with Microphone



▲ XD-BxxxxA
(Built-in microphone)



▲ XD-BxxxxA-xx
(External digital microphone with 15cm cable from camera)

FXD-B44106RLH-65

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 2.0 (F)X Low Temp. (F)T Advance (F)M Basic *F Snapshot and Freeze Frame	**UVC (USB)** D Type A M Type C E TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)	**Front View** (V)B Board Type T Tube Type V Tube Type **Up View** (V)N Plastic Enclosure *V Dimmer Controller	Color / B/W / Dimensions 44106R / 441M6R / Ø 6 x 1.9 44108R / 441M8R / Ø 8.4 x 2.2 44109 / 441M09 / Ø 9 44109U / 441M09U / 9 x 36.5 44110 / 441M10 / Ø10 44110U / 441M10U / 10.3 x 41 *R Round Shape	N/A None A Built-In 44106 A External	N/A None **White** L Normal LH High-Intensity **Infrared** L9 IR 940 nm L8 IR 850 nm	Code / Specification / View Angle 62 / 3.6 mm / F 4.5 / 62° 65 / 3.4 mm / F 2.8 / 65° 3.4 mm / F 6.0

* 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)