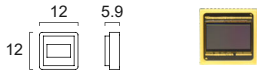
Unit: ± 0.5 mm

Feature

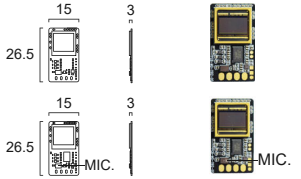
- Miniature size.
- Outstanding quality.
- VGA image pixel.

Built-in Microphone

B10412 No Lens

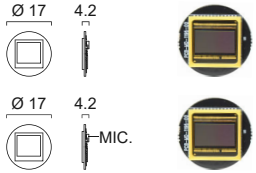


B10415U No Lens



with Microphone

B10417RU No Lens



with Microphone

Specification

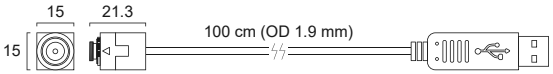
Model No.	B10412	B10415U	B10417RU
Dimensions (mm)	12 x 12	15 x 26.5	Ø 17
Orientation	Front View	Up View	Up View
Camera Type	Board Type		
Video Format	MJPEG / YUV / H.264	MJPEG / YUV	MJPEG / YUV
Image Sensor	2/3" Color CMOS Camera Module		
Resolution	1920 x 1080 @ 30 fps MJPEG, H.264; 5 fps YUV		
Pixel Size (um)	4.75 x 4.75		
Image Area (mm)	9.12 x 5.13		
Sensitivity (Lux.Sec)	9900 mV		
Dynamic Range	74.8 dB		
S/N Ratio	40.2 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	180 mA (Max.)		
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.

10415



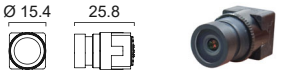
▲ HD-S10415-83



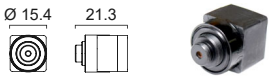
B10415-83 (83°)



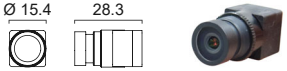
B10415-140 (140°)



S10415-83 (83°)



S10415-140 (140°)

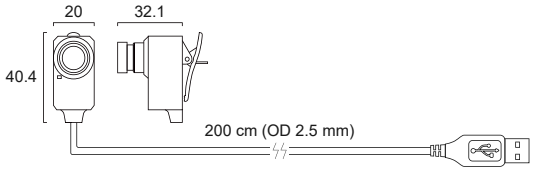


Unit: ± 0.5 mm

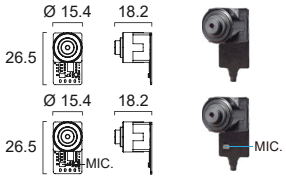
10415U



▲ TD-N10415U-140

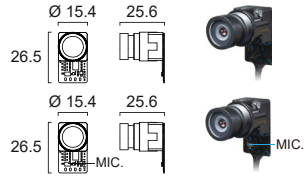


B10415U-83 (83°)



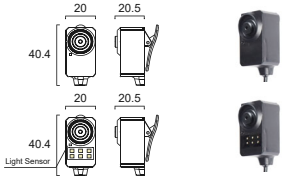
with Microphone

B10415U-140 (140°)



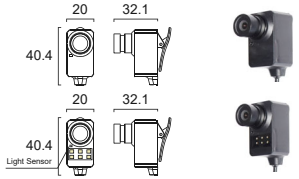
with Microphone

N10415U-83 (83°)



with LED

N10415U-140 (140°)

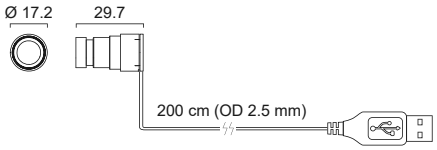


with LED

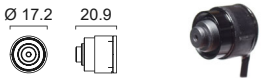
10417RU



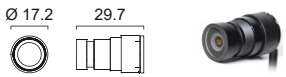
▲ TD-B10417RU-140



B10417RU-83 (83°)



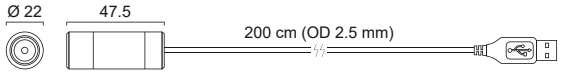
B10417RU-140 (140°)



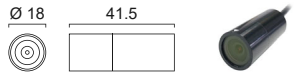
104xx



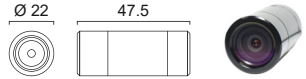
▲ TD-T10422-140



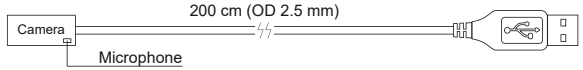
T10418-83 (83°)



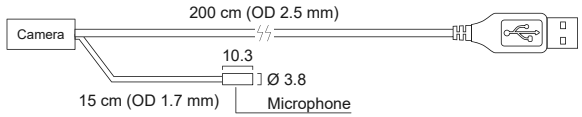
T10422-140 (140°)



Camera with Microphone



▲ XD-BxxxxA
(Built-in microphone)



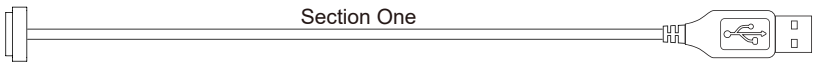
▲ XD-BxxxxA-xx
(External digital microphone with 15cm cable from camera)

Unit: ± 0.5 mm

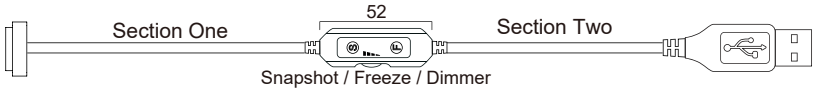
CABLE

Please check cable information for Section One and Section Two.

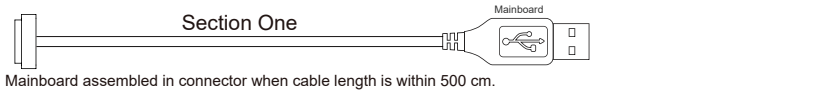
H



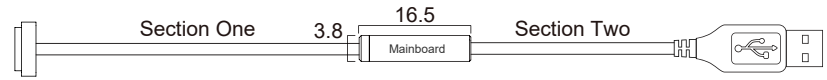
FH



X



Mainboard assembled in connector when cable length is within 500 cm.

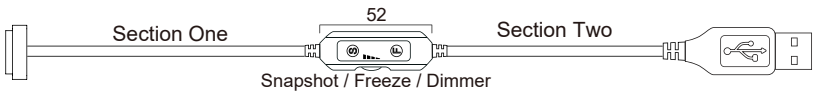


Mainboard assembled in between camera head and connector when cable length is more than 500 cm.

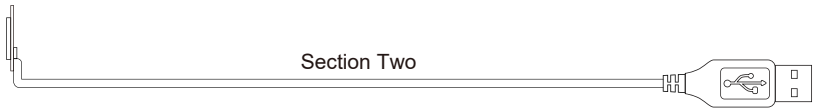


Mainboard assembled in between camera head and connector when cable length is more than 500 cm.

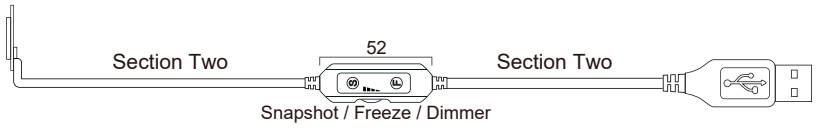
FX



T



FT



Section One (Max. 15 Pin)

OD (mm)	Length (cm)	Series
1.9 AWG#36 EN-15C	10~200	FH, H, FX, X
2.8 AWG#32 EN-15C		
3.8 AWG#30 EN-17C		

Section Two (Max. 7 Pin)

OD (mm)	Length (cm)	Series
0.35 Enameled Wires	10~150	FH, H, FX, X, FT, T
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	
4.5 AWG#26 EN-5C	10~1500	

Customize

TD-B10417RUN



Board Type
Up View
Ø 28 x 21 mm

- CS mount

Unit: ± 0.5 mm

Lens Cover Accessories (Pinhole Lens Only)



▲ LPH-100



FT / T Series (140 Degree Lens / Up View)



▲ B10415U



▲ N10415U



▲ B10417RU

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.



Omni-Viewer

Android

iOS



AMCAP



▲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.

- Brightness
- Gain
- Contrast
- Gamma
- White Balance
- Exposure time ABS
- Sharpness
- Backlight Compensation
- HUE
- Saturation
- Mirror
- Flip
- Frame rate 30fps
- Resolution 1920x1080

AimScope
(MISUMI APP)



NOTE: MISUMI APP does not support Android 10.

XD-S10415L-83

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	MICROPHONE	LED	LENS
USB 2.0 (F)X Low Temp. (F)T Advance **H.264** (F)H Low Temp. *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) R Raspberry Pi (X)	**Front View** (V)B Board Type (V)S Forming Type T Tube Type V Tube Type **Up View** (V)N Plastic Enclosure *V Dimmer Controller	Low Temp. Color / B/W / Dimensions 10412 / 104M12 / 12 x 12 (Board) 10415 / 104M15 / 15 x 15 (Board / Forming) 10422 / 104M22 / Ø 22 (Tube) Advance Color / B/W / Dimensions 10415U / 104M15U / 15 x 26.5 (Board / Plastic) 10417RU / 104M17RU / Ø 17 (Board) 10418 / 104M18 / Ø 18 (Tube) *U Up View *R Round Shape *N CS mount	N/A None 10412 / 10415 A External 10415U / 10417RU 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 140 / 5.2 mm / F 2.2 / 140° 5.2 mm / F 4.0 / High DOF 83 / 8.0 mm / F 2.5 / 83° 83V / 8.0 mm / F 2.5 / 83° *V Super Corn Type *High DOF High Depth of Field

* 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)