Unit: ± 0.5 mm

Feature

- 5 Megapixel Resolution
- High Performance
- Miniature and Compact Size
- Variety Shapes

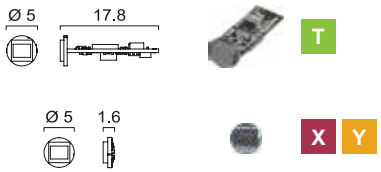
5MP Resolution

X / Y Series

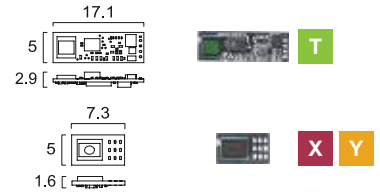


B36305 B36305-62 B36305-74 B36305LH-74

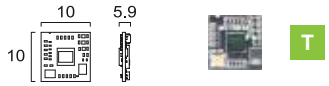
B36305 (No Lens)



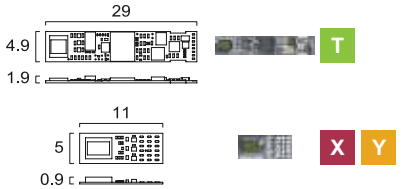
BL36305 (No Lens)



B36310 (No Lens)



BL36305S (No Lens)

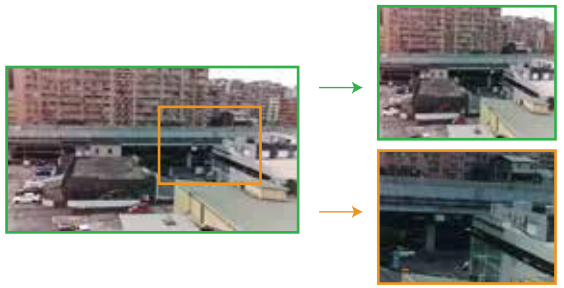


Specification

* Simulation frame rate synchronize output and 3D stereogram specification (request while place order).

Model No.		B36305		B36310	BL36305		BL36305S	
Series		T	X Y	T	T	X Y	T	X Y
Dimensions (mm)		Ø 5 x 17.8	Ø 5 x 1.6	10 x 10	5 x 17.1	4 x 7.3	4.9 x 29	5 x 11
Orientation		Front View						
Camera Type		Board Type						
Video Format		MJPEG / YUV						
Image Sensor		1/5" Color CMOS Camera Module						
Resolution		Please Check Additional Information Table						
Pixel Size (um)		1.12 x 1.12						
Image Area (mm)		2.90 x 2.18						
Sensitivity (Lux.Sec)		2368 e-						
Dynamic Range		64.7 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 / USB 3.0						
Power Supply		DC 5 V						
Power Current		220 mA (Max.)						
Microphone		N/A (External Optional)						
Operation System	USB 2.0	Win 7, Win 8, Win 10, Linux, MAC OSX						
	USB 3.0	Win 10, Linux, MAC OSX						

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



Binning VGA
- View angle is the same
- Image is the same

Crop Sensor VGA
- View angle is smaller
- Image zoom in

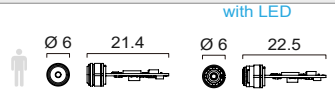
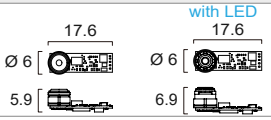
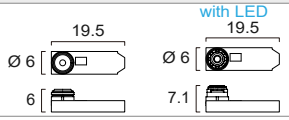
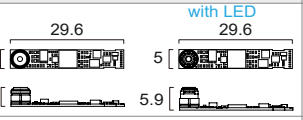
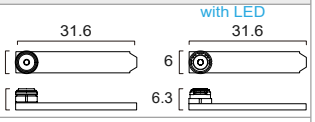
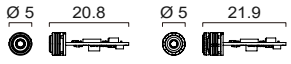
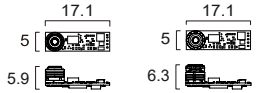
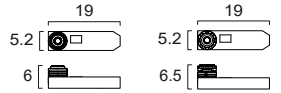
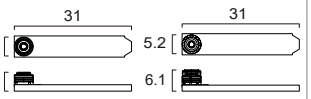
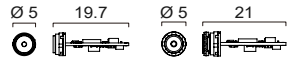
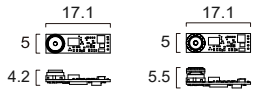
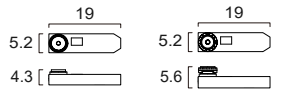
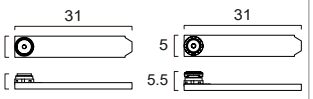
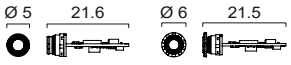
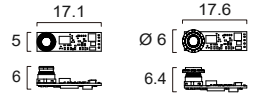
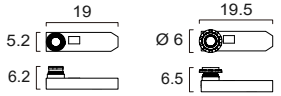
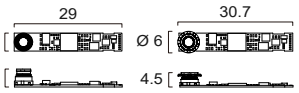
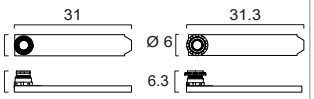
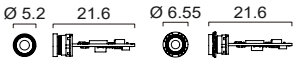
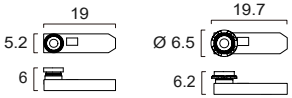
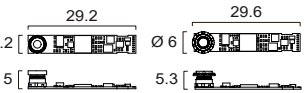
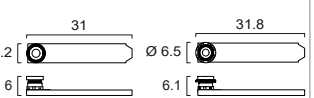
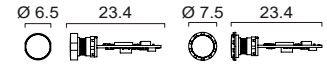
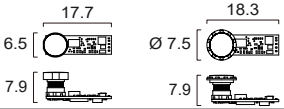
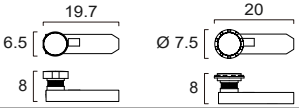
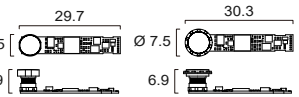
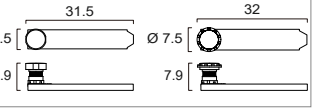
Resolution Information

	USB 2.0		USB 3.0	
	MJPG	YUV	MJPG	YUV
2592 x 1944	24 fps	-	24 fps	24 fps
2048 x 1536	30 fps	-	30 fps	-
1920 x 1080	30 fps	-	30 fps	-
1600 x 1200	30 fps	-	30 fps	30 fps
1280 x 720	30 fps	5 fps	30 fps	30 fps
1024 x 768	30 fps	-	30 fps	30 fps
640 x 480	30 fps	30 fps	30 fps	30 fps
320 x 240	30 fps	30 fps	30 fps	30 fps

Unit: ± 0.5 mm

SERIES T

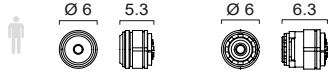
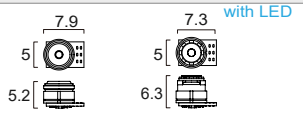
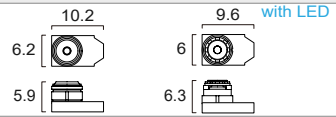
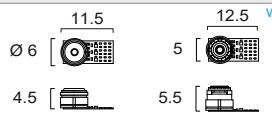
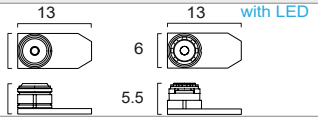
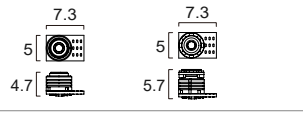
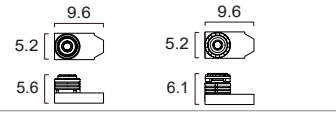
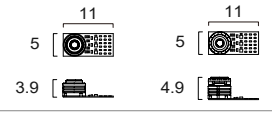
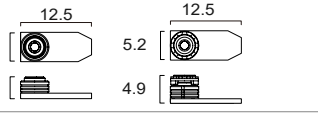
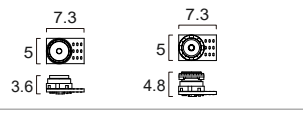
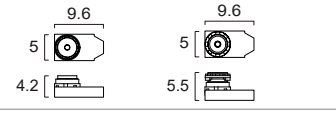
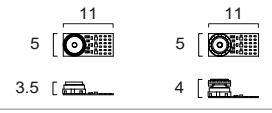
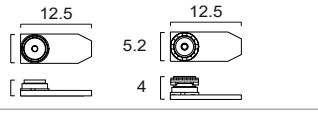
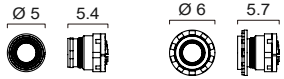
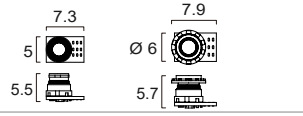
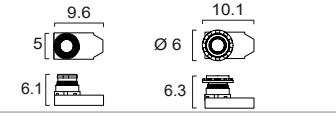
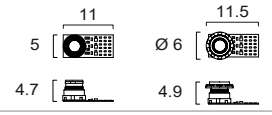
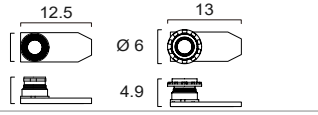
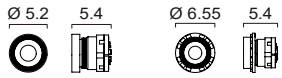
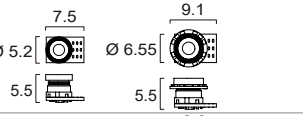
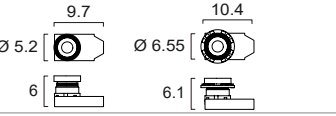
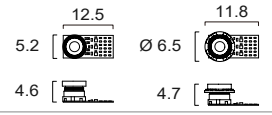
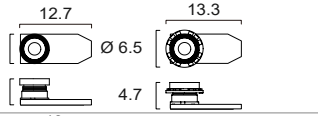
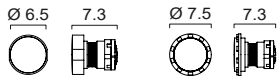
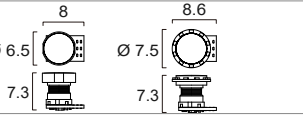
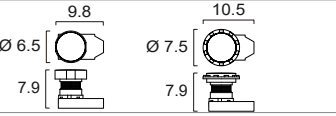
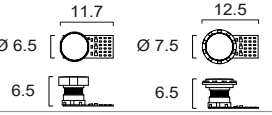
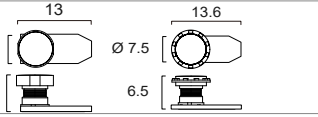
*Drawing size proportion scaled down 50%

Lens	Front View		Side View			
	B36305 Board Type (T Shape)	B36310 Board Type (Square Shape)	BL36305 Board Type (Component on Both Side)	ZL36305 Slim Forming Type (Component on Both Side)	BL36305S Board Type (Component on Single Side)	ZL36305S Slim Forming Type (Component on Single Side)
64°						
74°						
81°						
94°						
99°						
169°						

Unit: ± 0.5 mm

SERIES X Y

*Drawing size proportion scaled down 50%

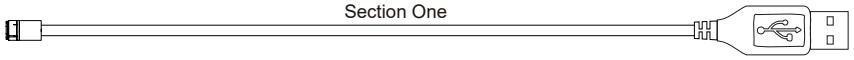
Lens	Front View	Side View			
	B36305 Board Type (Round Shape)	BL36305 Board Type (Component on Both Side)	ZL36305 Slim Forming Type (Component on Both Side)	BL36305S Board Type (Component on Single Side)	ZL36305S Slim Forming Type (Component on Single Side)
64°					
74°					
81°					
94°					
99°					
169°					

Unit: ± 0.5 mm

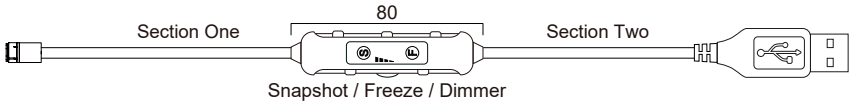
CABLE

Please check cable information for Section One and Section Two.

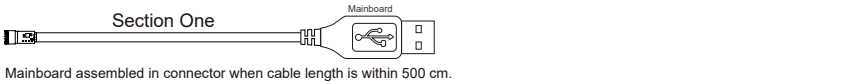
Y

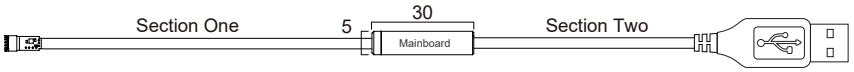


FY



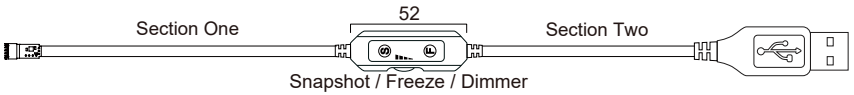
X



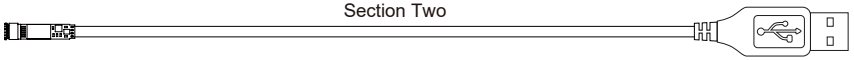




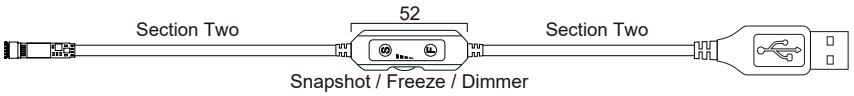
FX



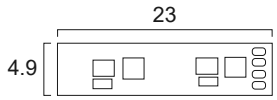
T



FT



Mainboard X Y



▲ MEX-EX-M5288-01

Section Two (Max. 7 Pin)

OD (mm)	Length (cm)	Series
0.7 #28 x 4C	10~100	
1.4 #28 x 4C	10~1000	
1.4 #30 x 4C	10~600	
1.6 #28 x 4C	10~1000	X T
1.7 #36 x 9C	10~200	
2.8 #30 x 7C	10~400	
3.6 #28 x 7C	10~1000	
3.6 #28 x 11C	10~250	Y
5.0 #24 x 9C	10~1500	X T
6.2 #28 x 11C	10~200	Y

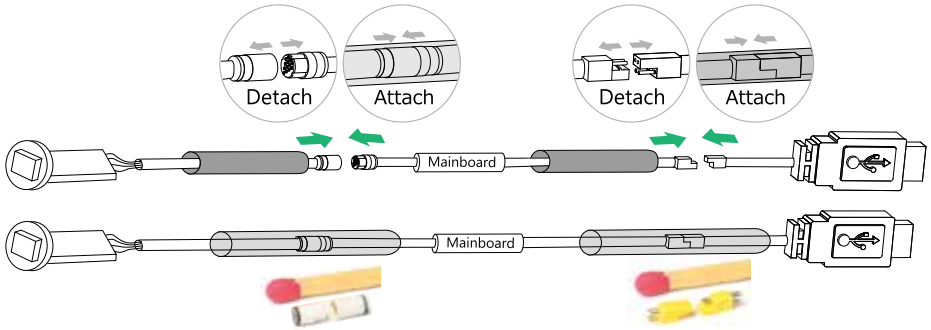
Section One (Max. 15 Pin)

OD (mm)	Length (cm)	Series
1.9 #36 x 15C	10~80	
2.8 #32 x 15C	10~130	
2.8 #34 x 13C	10~400	X T Y
3.1 #36 x 17C	10~300	
3.8 #30 x 17C	10~350	

Detachable Nano Connectors *(Customize Option)*

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

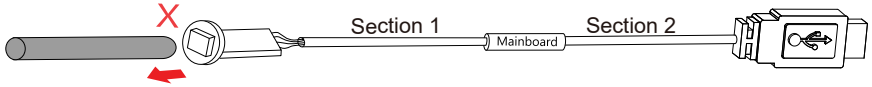
With detachable Nano connectors,
a tube can go through the thin cable from halfway.



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.

Unit: ± 0.5 mm

Other information 10-VD608-363-4W Series

- 4-way articulation borescope
- Ø 6.0 x 10 mm ultra short camera head
- 5 Mega-pixel high resolution
- With high-intensity LED (MISUMI patent)
- Camera head bend angle up to 135 degrees



Video Demo (To view video in 5MP resolution, must download the file.)

Resolution	Video Demo Link	Note
2592 x 1944	https://reurl.cc/bzN7OM	with 74º lens (2.34 mm / F 2.2)
	https://reurl.cc/WE8Dnx	
	https://reurl.cc/zbKAV7	

All MISUMI UVC Camera are 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.

XD-B36305LH-74

SERIES

USB 3.0
(F)Y Low Temp.

USB 2.0
(F)X Low Temp.
(F)T Advance

*F Snapshot and Freeze Frame

CONNECTOR

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)

CAMERA BODY

Front View
(V)B Board
T Tube
V Tube
(V)Z Slim Forming

Side View
(V)BL Board
(V)ZL Slim Forming

*V Dimmer Controller

DISPLAY

Binning Color	B/W	Orientation	Cropping Color	B/W	Orientation
36305	363M5	Front / Side View	363P5	363C5	Front / Side View
36305S	363M5S	Side View	363P5S	363C5S	Side View
36310	363M10	Front View	363P10	363C10	Front View
36315	363M15	Front View	363P15	363C15	Front View

*S Components on single side
*xxx(15) for 13˚ Lens Tube Camera

MICROPHONE

N/A None
A External

LED

N/A None
White
L Normal
LH High-Intensity
Infrared
L9 IR 940 nm
L8 IR 850 nm

LENS

Code	Specification	View Angle	Code	Specification	View Angle	Code	Specification	View Angle	Code	Specification	View Angle	Code	Specification	View Angle
13	16 mm / F 7.0	13°	56	3.4 mm / F 2.8	56°	71	2.46 mm / F 2.0	71°	94	1.55 mm / F 5.7	94°	169	1.523 mm / F 4.8	169°
25	8.0 mm / F 2.5	25°		3.4 mm / F 6.0		74	2.34 mm / F 2.2	74°	96	2.00 mm / F 5.5	96°		1.523 mm / F 6.0	
33	6.0 mm / F 4.5	33°	62	3.0 mm / F 2.4	62°	81	1.83 mm / F 2.0	81°	99	1.5 mm / F 5.7	99°		1.523 mm / F 8.0	
40	5.0 mm / F 3.5	40°	64	2.86 mm / F 2.8	64°		1.83 mm / F 5.0		115	1.3 mm / F 2.2	115°			
44	4.4 mm / F 4.8	44°		2.86 mm / F 5.0			1.83 mm / F 8.0			1.3 mm / F 4.8				

* 81° 94° 99° 169° Lens
Image circle is Ø 3.27, has 5% dark corner.

* 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

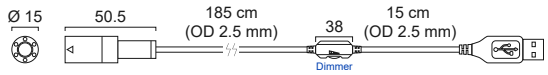


USB Type A | USB Type C | TE Industrial Mini I/O Type II (2040008-2) (USB 2.0 Only)

Unit: ± 0.5 mm

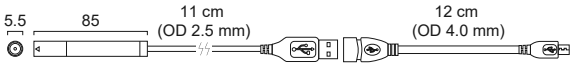
Customize





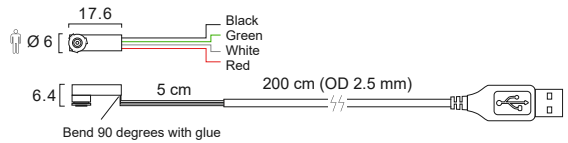
▲ TD-V36315LH-13-(xx)





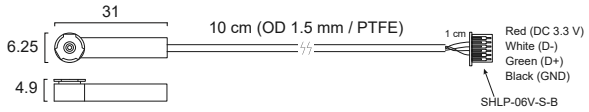
▲ TD-V36315LH-13-(xx)





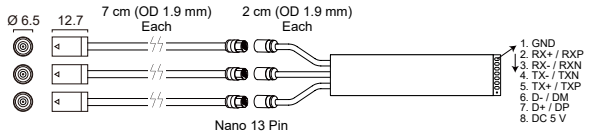
▲ TD-ZL36305-115-(xx)





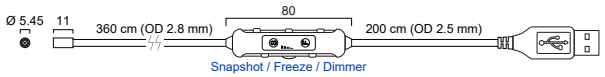
▲ TD-SL363M5S-115-(xx)





▲ XD-E36306-115-(xx)





▲ FXD-V22405LH-180-(xx)