Unit: ± 0.5 mm

Feature

- Ultra Tiny Size.
- High Speed Frame Rate.
- Application for Security and Surveillance, Wearable Device.



B12603-90 (90°)



B12603-120 (120°)



Specification

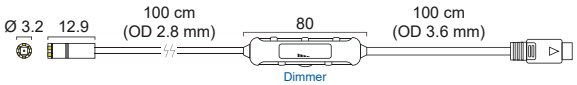
Model No.	B12603
Dimensions (mm)	Ø 3.1
Orientation	Front View
Camera Type	Board Type
Video Format	MJPEG
Image Sensor	1/14.25" Color CMOS Camera Module
Resolution	800 x 800 @ 60 fps 400 x 400 @ 90 fps
Pixel Size (um)	1.116 x 1.116
Image Area (mm)	0.89 x 0.89
Sensitivity (Lux.Sec)	4500 e-
Dynamic Range	72.2 dB
S/N Ratio	36.8 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 3.0
Power Supply	DC 5 V
Power Current	TBD mA
Microphone	N/A (External Optional)
Operation System	Win 10, Linux MAC OSX

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

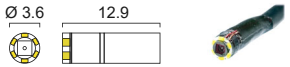
B12603



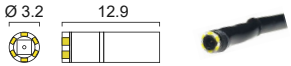
▲ YT-VB12603LH-120



B12603LH-90 (90°)

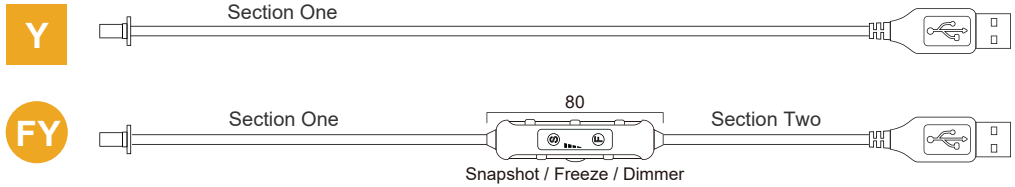


B12603LH-120 (120°)



Cable

Please check cable information for Section One and Section Two.



Section One (Max. 15 Pin)

OD (cm)	Length (cm)	Series
1.5 AWG#38 EN-13C	10~100	Y FY
1.7 AWG#36 EN-13C	10~70	
1.9 AWG#36 EN-15C	10~150	
2.8 AWG#32 EN-15C	10~200	

Section Two (Max. 7 Pin)

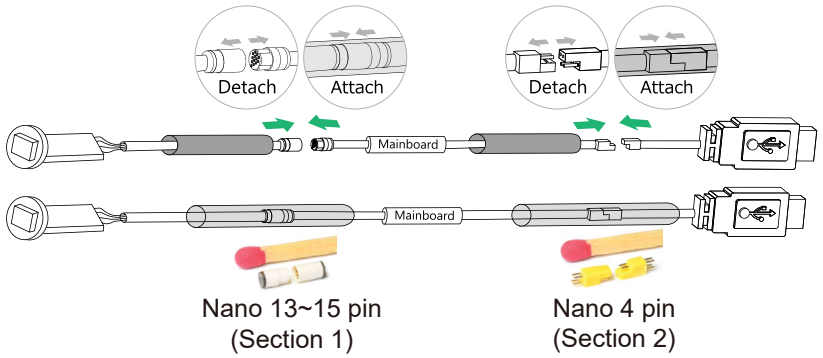
OD (cm)	Length (cm)	Series
3.6 AWG#28 EN-11C	10~250	Y FY
6.2 AWG#28 EN-11C	10~200	

Unit: ± 0.5 mm

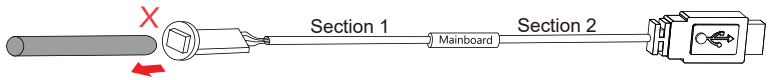
Detachable Nano Connectors *(Customize Option)*

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.



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



★Each segment can be modified by customer request.

FYD-VB12603LH-90

SERIES	CONNECTOR	CAMERA BODY	DISPLAY			MICROPHONE	LED	LENS		
USB 3.0	UVC (USB)	Front View	Color	B/W	Dimensions			Code	Specification	View Angle
(F)Y Low Template	D USB Type A	(V)B Board Type	12603	-	Ø 3.1	N/A None	N/A None	90	0.582 mm / F 5.1	90°
	T USB Type C	T Tube Type					White	120	0.445 mm / F 4.37	120°
		V Tube Type					L Normal			
							LH High-Intensity			
*F Snapshot and Freeze Frame		*V Dimmer Controller								

* 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


USB Type A


USB Type C