

Model: xYD-BL31105
No lens



Model: xYD-BL31105-77
77° lens



Model: xYD-BL31105-88
88° lens



Model: xYD-BL31105-93
93° lens



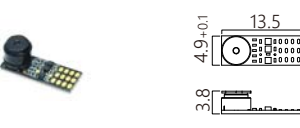
Model: xYD-BL31105-158
158° lens



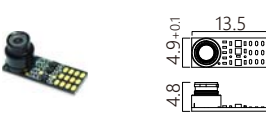
Model: xYD-BL31105S
Single Board, No lens



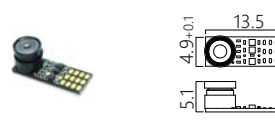
Model: xYD-BL31105S-77
Single Board, 77° lens



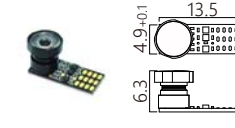
Model: xYD-BL31105S-88
Single Board, 88° lens



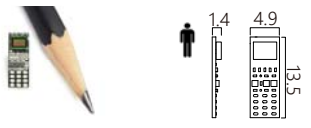
Model: xYD-BL31105S-93
Single Board, 93° lens



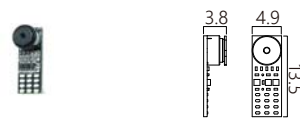
Model: xYD-BL31105S-158
Single Board, 158° lens



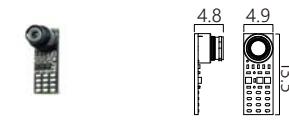
Model: xYD-B31105U
Single Board, No lens



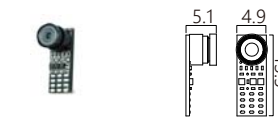
Model: xYD-B31105U-77
Single Board, 77° lens



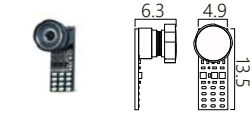
Model: xYD-B31105U-88
Single Board, 88° lens



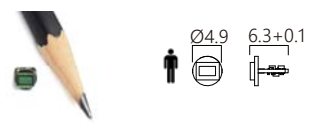
Model: xYD-B31105U-93
Single Board, 93° lens



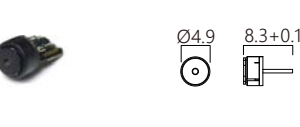
Model: xYD-B31105U-158
Single Board, 158° lens



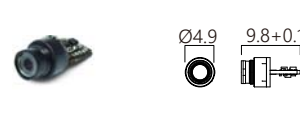
Model: xYD-B31105
No lens



Model: xYD-B31105-77
77° lens



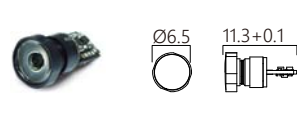
Model: xYD-B31105-88
88° lens



Model: xYD-B31105-93
93° lens



Model: xYD-B31105-158
158° lens



Model: xYD-B31106R
No lens



Model: xYD-B31106R-77
77° lens



Model: xYD-B31106RL-88
88° lens



Model: xYD-B31106RL-93
93° lens



Model: xYD-B31106RL-158
158° lens



Model: xYD-B31108RL
No lens



Model: xYD-B31108RL-77
77° lens



Model: xYD-B31108RL-88
88° lens



Model: xYD-B31108RL-93
93° lens



Model: xYD-B31108RL-158
158° lens



* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

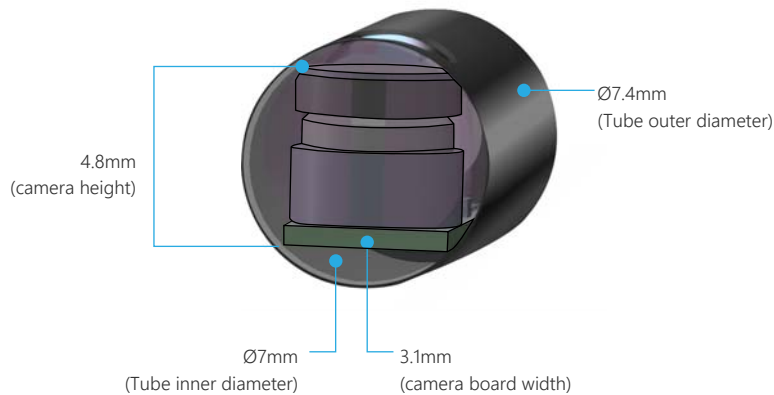
Ultra Slim Camera Module Series

UNIT:±0.2mm

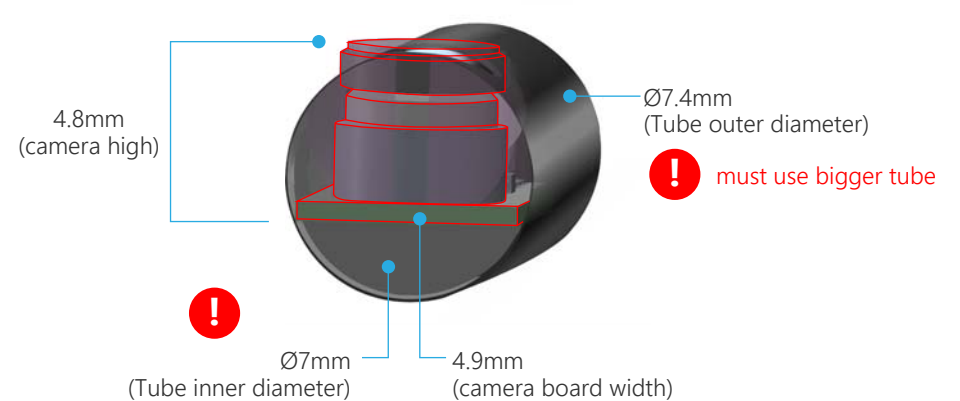
<p>Model: xYD-BL31103 Single Board, No lens</p> <p>Best selection ! For side view endoscope</p>		<p>Model: xYD-B31104U Single Board, No lens</p> <p>Best selection ! For up view endoscope</p>	
<p>Model: xYD-BL31103-77 Single Board, 77° lens</p>	<p>Model: xYD-BL31103-88 Single Board, 88° lens</p>	<p>Model: xYD-B31104U-77 Single Board, 77° lens</p>	<p>Model: xYD-B31104U-88 Single Board, 88° lens</p>
<p>Model: xYD-BL31103-93 Single Board, 93° lens</p>	<p>Model: xYD-BL31103-158 Single Board, 158° lens</p>	<p>Model: xYD-B31104U-93 Single Board, 93° lens</p>	<p>Model: xYD-B31104U-158 Single Board, 158° lens</p>

Ultra slim! MISUMI Side View Camera (use Ø7.4mm tube)

Ultra slim design to fit smaller diameter tube, for easier narrow pipe inspection !



Other Side View Camera (use Ø7.4mm tube)

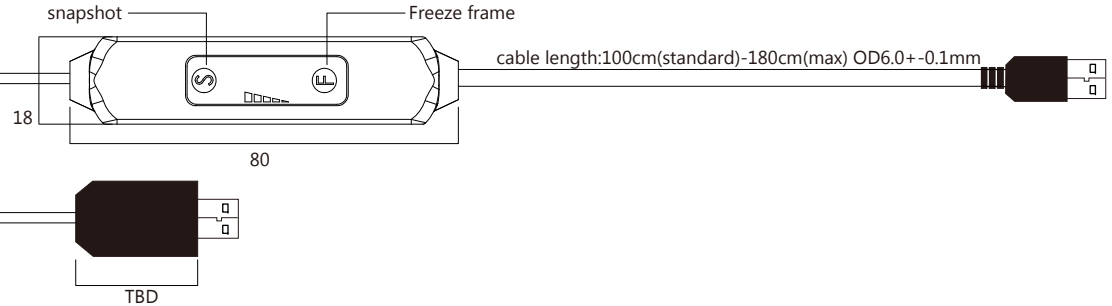


SYD- xxxx series

cable length:100cm(standard)-450cm(max) OD1.9+ -0.1mm

TYD- xxxx series

cable length:100cm(standard)-450cm(max) OD1.9+ -0.1mm



Specification

Model	SYD-BL31103	SYD-B31104U	SYD-BL31105	SYD-BL31105S	SYD-B31105U	SYD-B31105	SYD-B31108RL	TYD-BL31103	TYD-BL31104U	TYD-BL31105	TYD-BL31105S	TYD-B31105U	TYD-B31105	TYD-B31108RL
Camera type	left-side view (Single board)	up view (Single board)	left-side view	left-side view (Single board)	up view	front view	front view	left-side view (Single board)	up view (Single board)	left-side view	left-side view (Single board)	up view	front view	front view
Dimension(mm)	3.1 x 15.4	4 x 13.4	4.9x8.4	4.9x13.5	4.9x13.5	Ø4.9	Ø7.6	3.1 x 15.4	4 x 13.4	4.9x8.4	4.9x13.5	4.9x13.5	Ø4.9	Ø7.6
Snapshot & Freeze Function	support							N/A						
LED dimmer	support (specify when ordering)							N/A						
Camera parameter setting on smartphone	support							support						
Max. frame rate (optional)	Standard	1920 x 1080; 1280 x 720; 640 x 480 60 fps MJPG/YUV												
	Fixed	1920x1080 @60 fps MJPEG/YUV ; 1280x720 @90 fps MJPEG/YUV ; 640x480 @120 fps MJPEG/YUV ; 320 x 240 @ 240 fps MJPEG/YUV												
Pixel size	1.4 μm x 1.4 μm													
Image sensor	1/6" Digital CMOS Camera Module													
Image area	2.7288x1.5498mm													
Scan mode	progressive													
Sensitivity	553 mV/(Lux-sec)													
Dynamic range	73.3 dB @ 15.5x gain													
UVC format	MJPEG													
Storage temperature	-30 to 60 Degree C													
Working temperature	-10 to 45 Degree C													
Interface	USB3.0													
Lens (specify which lens)	1.83mm/2.0 /F5.0 /8.0 (H= 69°; V= 43°; D= 77°) 1.55mm/F5.7(H=78.3°; V=48.4°; D=88°) 1.50mm/F5.7(H=81°; V=50°; D=93°) 1.523mm/F4.8/6.0/8.0(158° lens)(H=132°; V=65° ; D=158°)													
LED	white LED x 6 (specify when ordering)													
Power source	DC 5V (USB)													
Power current	NO LED / 160mA with LED 6pcs / 190mA *31108RL / 190mA													
Operating system	windows 10, Linux													

Camera parameter adjustable

Camera parameter can be adjusted on the smartphone via the Misumi app.



Model: TYD-B31105-77

Snapshot & Freeze frame & Dimmer(camera must have LED)



Model: SYD-B31105-158



Model: SYD-B31105-77

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



SYD-V31105L-77

- ①
- ②
- ③
- ④
- ⑤

① CONNECTOR		② TYPE		③ CAMERA TYPE		④ LED		⑤ LENS	
SYD	USB 3.0 A type	B	Board type	31105	color	L	white LED x 6	77	1.83mm/F2.0(77°)
SYT	USB Type C	VB	Board type+dimmer	311M5	B/W	L8	IR 850nm LED x 6	77	1.83mm/F5.0/8.0 (77°) camera with LED
TYD	USB 3.0 A type	BL	Board type (side View)	31105S	color(side view single board)	L9	IR 940nm LED x 6	88	1.55mm/F5.7(88°)
TYT	USB Type C	VBL	Board type (side View)+ dimmer	31105U	color(up view single board)			93	1.5mm/F5.7(93°)
		T	Tube type	31104U	color(up view single board)			158	1.523mm/F4.8/6.0/8.0(158° lens)
		V	Tube type+dimmer	31103	color(side view single board)				
				31108RL	color(camera board built-in LED)				
SYD ; SYT series with snapshot, dimmer & freeze function		TYD ; TYT series without dimmer function				with IR LED suggest to choose B/W type		77Y : with Day&Night filter 93° Lens diameter is 4.95mm 158° Lens diameter is 6.25mm	

<p>Model: xXD-BL31105 No lens</p>	<p>Model: xXD-BL31105-77 77° lens</p>	<p>Model: xXD-BL31105-88 88° lens</p>	<p>Model: xXD-BL31105-93 93° lens</p>	<p>Model: xXD-BL31105-158 158° lens</p>
<p>Model: xXD-BL31105S Single Board, No lens</p>	<p>Model: xXD-BL31105S-77 Single Board, 77° lens</p>	<p>Model: xXD-BL31105S-88 Single Board, 88° lens</p>	<p>Model: xXD-BL31105S-93 Single Board, 93° lens</p>	<p>Model: xXD-BL31105S-158 Single Board, 158° lens</p>
<p>Model: xXD-B31105U Single Board, No lens</p>	<p>Model: xXD-B31105U-77 Single Board, 77° lens</p>	<p>Model: xXD-B31105U-88 Single Board, 88° lens</p>	<p>Model: xXD-B31105U-93 Single Board, 93° lens</p>	<p>Model: xXD-B31105U-158 Single Board, 158° lens</p>
<p>Model: xXD-B31105 No lens</p>	<p>Model: xXD-B31105-77 77° lens</p>	<p>Model: xXD-B31105-88 88° lens</p>	<p>Model: xXD-B31105-93 93° lens</p>	<p>Model: xXD-B31105-158 158° lens</p>
<p>Model: xXD-B31106R No lens</p>	<p>Model: xXD-B31106R-77 77° lens</p>	<p>Model: xXD-B31106R-88 88° lens</p>	<p>Model: xXD-B31106R-93 93° lens</p>	<p>Model: xXD-B31106R-158 158° lens</p>
<p>Model: xXD-B31108RL No lens</p>	<p>Model: xXD-B31108RL-77 77° lens</p>	<p>Model: xXD-B31108RL-88 88° lens</p>	<p>Model: xXD-B31108RL-93 93° lens</p>	<p>Model: xXD-B31108RL-158 158° lens</p>

* light guide-specify when ordering

* light guide-specify when ordering

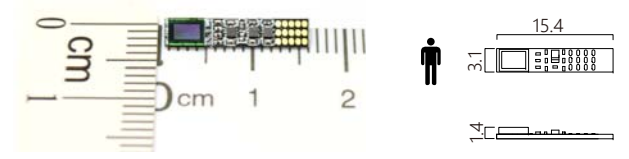
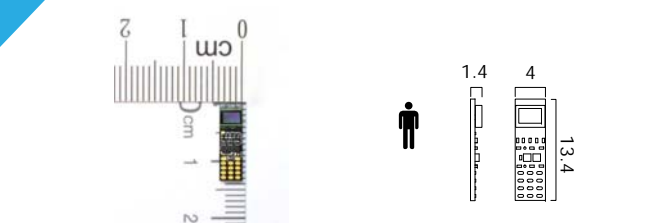
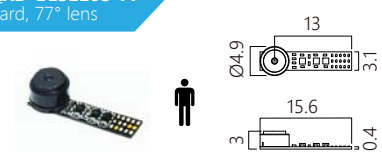
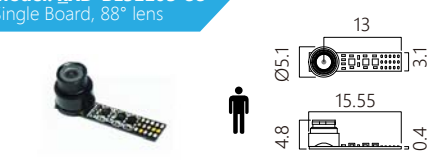
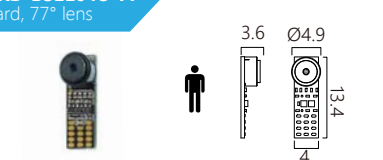
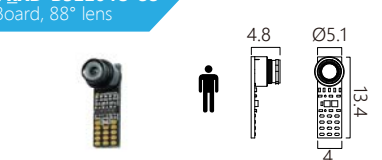

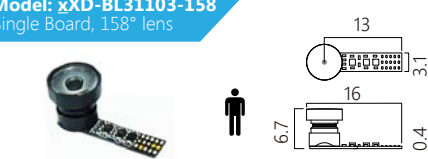
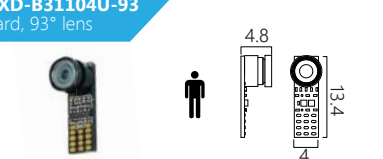
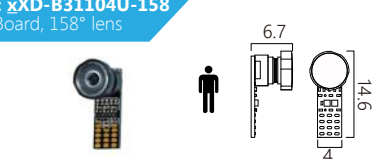
* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

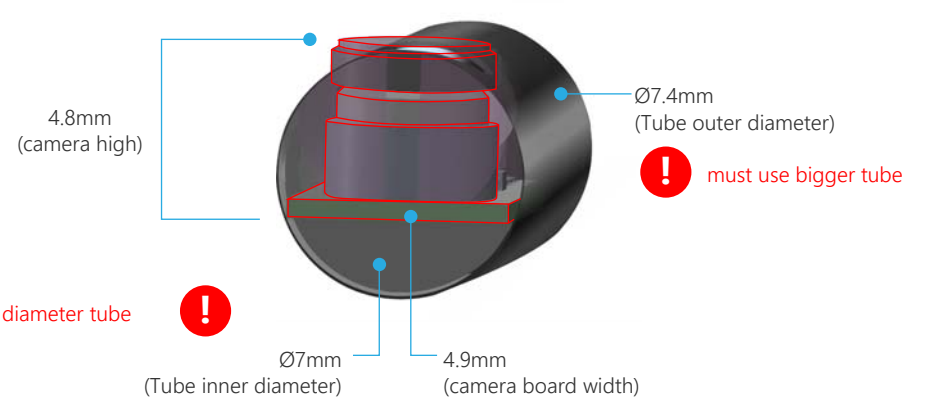
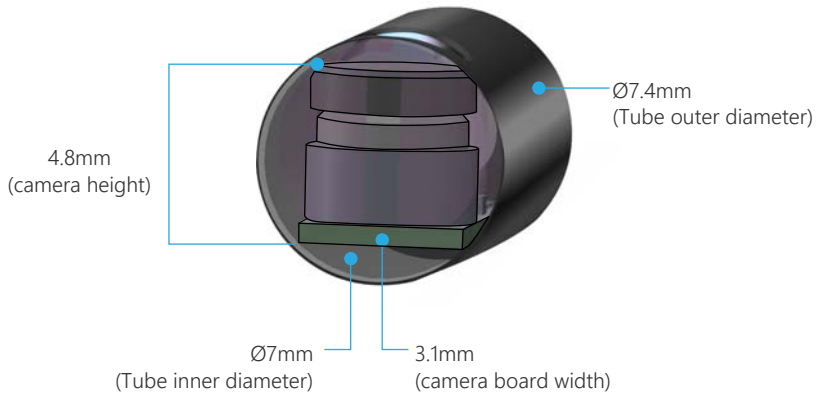
Ultra Slim Camera Module Series

UNIT:±0.2mm

<p>Model: xXD-BL31103 Single Board, No lens</p> <p>Best selection ! For side view endoscope</p> 	<p>Model: xXD-B31104U Single Board, No lens</p> <p>Best selection ! For up view endoscope</p> 		
<p>Model: xXD-BL31103-77 Single Board, 77° lens</p> 	<p>Model: xXD-BL31103-88 Single Board, 88° lens</p> 	<p>Model: xXD-B31104U-77 Single Board, 77° lens</p> 	<p>Model: xXD-B31104U-88 Single Board, 88° lens</p> 
<p>Model: xXD-BL31103-93 Single Board, 93° lens</p> 	<p>Model: xXD-BL31103-158 Single Board, 158° lens</p> 	<p>Model: xXD-B31104U-93 Single Board, 93° lens</p> 	<p>Model: xXD-B31104U-158 Single Board, 158° lens</p> 

Ultra slim! MISUMI Side View Camera (use Ø7.4mm tube)

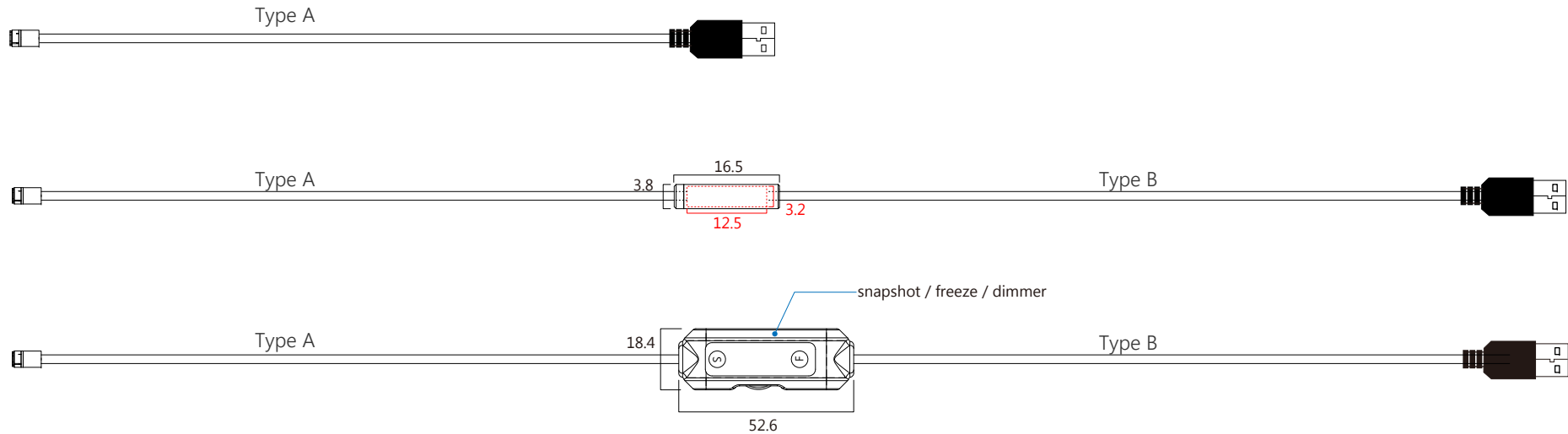
! Other Side View Camera (use Ø7.4mm tube)



must use bigger inner diameter tube

Ultra slim design to fit smaller diameter tube, for easier narrow pipe inspection !

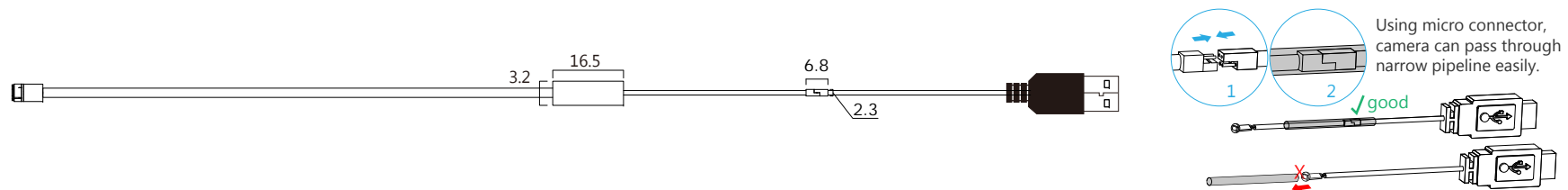
Camera cable information (specify when ordering)



Type A	Cable length	Cable OD
1	100~550 (cm)	1.9 ±0.1(mm)
2	100~600 (cm)	2.8 ±0.1(mm)

Type B	Cable length	Cable OD
1	10~150 (cm)	0.35 +0.1(mm) enameled wire
2	10~200 (cm)	0.9 +0.1(mm)
3	10~200 (cm)	1.5 +0.1(mm)
4	10~200 (cm)	1.7 +0.1(mm)
5	10~400 (cm)	2.8 +0.1(mm)
6	10~1000 (cm)	3.5 +0.1(mm)
7	10~1500 (cm)	5.0 +0.1(mm)

Specifically designed/Customized for narrow pipeline, or other narrow spaces.



UNIT:±0.2mm

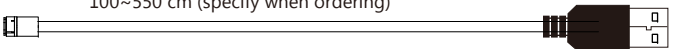
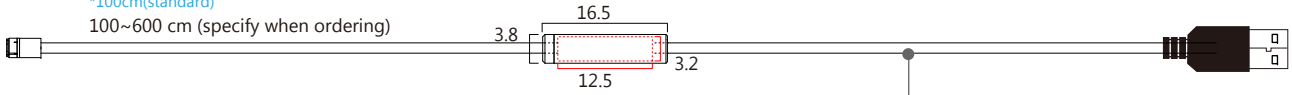
Specification

Model	FXD-BL31103	FXD-B31104U	FXD-BL31105	FXD-BL31105S	FXD-B31105U	FXD-B31105	FXD-B31108RL	XD-BL31103	XD-B31104U	XD-BL31105	XD-BL31105S	XD-B31105U	XD-B31105	XD-B31108RL
Camera type	left-side view (Single board)	up view (Single board)	left-side view	left-side view (Single board)	up view	front view	front view	left-side view (Single board)	up view (Single board)	left-side view	left-side view (Single board)	up view	front view	front view
Dimension(mm)	3.1 x 15.4	4 x 13.4	4.9x8.4	4.9x13.5	4.9x13.5	Ø4.9	Ø7.6	3.1 x 15.4	4 x 13.4	4.9x8.4	4.9x13.5	4.9x13.5	Ø4.9	Ø7.6
Snapshot & Freeze Function	support							N/A						
LED dimmer	support (specify when ordering)							N/A						
Camera parameter setting on smartphone	support							support						
Compatibility with wifi DVR MP-WF580K	support							support						
Max. frame rate	1920x1080 @ 15~30fps MJPEG/ 5fps YUV 1280x720@ 15~30fps MJPEG/ 10fps YUV 960x540; 848x480@15~30fps MJPEG/ 20fps YUV 640x480; 640x360; 424x240;320x240; 320x180; 176x144; 160x120@15~30fps MJPEG; 30fps YUV													
Pixel size	1.4 μm x 1.4 μm													
Image sensor	1/6" Digital CMOS Camera Module													
Image area	2.7288x1.5498mm													
Scan mode	progressive													
Sensitivity	553 mV/(Lux-sec)													
Dynamic range	73.3 dB @ 15.5x gain													
UVC format	MJPEG													
Storage temperature	-30 to 60 Degree C													
Working temperature	-10 to 45 Degree C													
Interface	USB 2.0 (Compliant with USB Video Class 1.1 standard)													
Lens (specify which lens)	1.83mm/ F2.0/ 5.0/ 8.0 (77° lens-high depth of field lens-order in advance) 1.55mm/ F5.7/ 8.0/ 10(88° lens-high depth of field lens-order in advance) 1.5mm/ F4.0/ F5.7(93° lens) 1.523mm/ F4.8/ 6.0/ 8.0(158° lens-high depth of field lens-order in advance)													
View angle (order in advance)	H= 69°; V= 43°; D= 77° (77° lens) H=48.4°; V=78.3°; D=86.8° (88° lens) H=81°90';V=50°18';D=92°82' (93° lens) H=132°; V=65° ; D=158° (158° lens)													
LED	white LED x 6 (*XD-B31108RL with LED x 8)													
Power source	DC 5V (USB)													
Power current	NO LED / 160mA with LED 6pcs / 190mA *31108RL / 190mA													
Operating system	Windows XP, windows Vista, window 7, windows 8, windows 10, Linux, MAC OSX													

XD-V31105L-77A

- ① ② ③ ④ ⑤ ⑥

① CONNECTOR		② TYPE		③ CAMERA TYPE		④ LED		⑤ LENS	
XD	USB 2.0 A type	B	Board type (module)	31105	color	L	white LED x 6	77	1.83mm/F2.0(77°)
XM	Micro USB OTG B type	VB	Board type (module)+dimmer	311M5	B/W	L8	IR 850nm LED x 6	77	1.83mm/F5.0/8.0 (77°) camera with LED
XT	USB type C	BL	Board type (side view)	31105	color	L9	IR 940nm LED x 6	88	1.55mm/F5.7(88°)
XI	Mini USB B type	VBL	Board type (side view)+dimmer	311M5S	B/W			93	1.5mm/F5.7(93°)
FXD	USB 2.0 A type	T	Tube type	31105U	color (up view)			158	1.523mm/F4.8/6.0/8.0(158° lens)
FXM	Micro USB OTG B type	V	Tube type+dimmer	31108RL	color (camera board built-in LED)				
FXT	USB type C			31104U	color(up view single board)				
FXI	Mini USB B type			31103	color(side view single board)				
FXD ; FXM ; FXT ; FXI series with snapshot & Freeze function		XD ; XM ; XT ; XI series without dimmer function		* 31105S & 311M5S are side view single board * 31105U & 31108RL without side view type 1080p resolution sensor crop to VGA resolution for specify when ordering		with IR LED suggest to choose B/W type		77Y : with Day&Night filter 93° Lens diameter is 5.25mm 158° Lens diameter is 6.25mm	

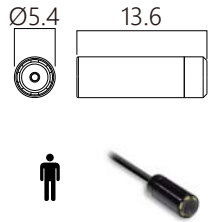
		⑥ Cable length																									
X	cable OD: 1.9+-0.1mm	<p>*100cm(standard) 100~550 cm (specify when ordering)</p> 																									
A	cable OD: 2.8+-0.1mm	<p>*100cm(standard) 100~600 cm (specify when ordering)</p>  <table border="1" data-bbox="1008 1236 1758 1492"> <thead> <tr> <th>Type B</th> <th>Cable length</th> <th>Cable OD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10~150 (cm)</td> <td>0.35 +0.1(mm) enameled wire</td> </tr> <tr> <td>2</td> <td>10~200 (cm)</td> <td>0.9 +0.1(mm)</td> </tr> <tr> <td>3</td> <td>10~200 (cm)</td> <td>1.5 +0.1(mm)</td> </tr> <tr> <td>4</td> <td>10~200 (cm)</td> <td>1.7 +0.1(mm)</td> </tr> <tr> <td>5</td> <td>10~400 (cm)</td> <td>2.8 +0.1(mm)</td> </tr> <tr> <td>6</td> <td>10~1000 (cm)</td> <td>3.5 +0.1(mm)</td> </tr> <tr> <td>7</td> <td>10~1500 (cm)</td> <td>5.0 +0.1(mm)</td> </tr> </tbody> </table>		Type B	Cable length	Cable OD	1	10~150 (cm)	0.35 +0.1(mm) enameled wire	2	10~200 (cm)	0.9 +0.1(mm)	3	10~200 (cm)	1.5 +0.1(mm)	4	10~200 (cm)	1.7 +0.1(mm)	5	10~400 (cm)	2.8 +0.1(mm)	6	10~1000 (cm)	3.5 +0.1(mm)	7	10~1500 (cm)	5.0 +0.1(mm)
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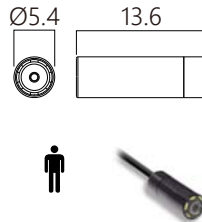
CCIQ II COLOR CAMERA

<p>Model: TD-B31105 front view no lens</p>	<p>Model: TD-B31105-77 front view 77° lens</p>	<p>Model: TD-B31105-88 front view 88° lens</p>	<p>Model: TD-B31105-93 front view 93° lens</p>	<p>Model: TD-B31105-158 front view 158° lens</p>
<p>Model: TD-B31105A built-in microphone, no lens</p>	<p>Model: TD-B31105A-77 built-in microphone, 77° lens</p>	<p>Model: TD-B31105A-88 built-in microphone, 88° lens</p>	<p>Model: TD-B31105A-93 built-in microphone, 93° lens</p>	<p>Model: TD-B31105A-158 built-in microphone, 158° lens</p>
<p>Model: TD-BL31105 side view, no lens</p>	<p>Model: TD-BL31105-77 side view, 77° lens</p>	<p>Model: TD-BL31105-88 side view, 88° lens</p>	<p>Model: TD-BL31105-93 side view, 93° lens</p>	<p>Model: TD-BL31105-158 side view, 158° lens</p>
<p>Model: TD-B31105U up view, no lens</p>	<p>Model: TD-B31105U-77 up view, 77° lens</p>	<p>Model: TD-B31105U-88 up view, 88° lens</p>	<p>Model: TD-B31105U-93 up view, 93° lens</p>	<p>Model: TD-B31105U-158 up view, 158° lens</p>
<p>Model: TD-B31105UA built-in microphone, no lens</p>	<p>Model: TD-B31105UA-77 built-in microphone, 77° lens</p>	<p>Model: TD-B31105UA-88 built-in microphone, 88° lens</p>	<p>Model: TD-B31105UA-93 built-in microphone, 93° lens</p>	<p>Model: TD-B31105UA-158 built-in microphone, 158° lens</p>
<p>Model: TD-B31109R round type, no lens</p>	<p>Model: TD-B31109R-77 round type, 77° lens</p>	<p>Model: TD-B31109R-88 round type, 88° lens</p>	<p>Model: TD-B31109R-93 round type, 93° lens</p>	<p>Model: TD-B31109R-158 round type, 158° lens</p>

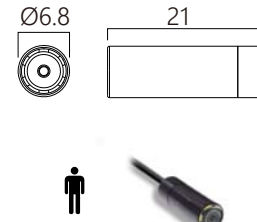
Model: TD-T31105L-77
LED x 6, tube type, 77° lens



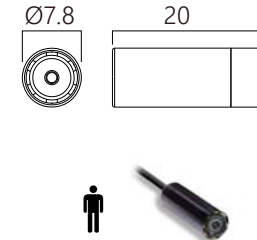
Model: TD-T31105L-88
LED x 6, tube type, 88° lens



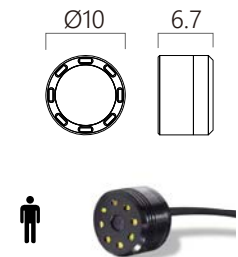
Model: TD-T31105L-93
LED x 6, tube type, 93° lens



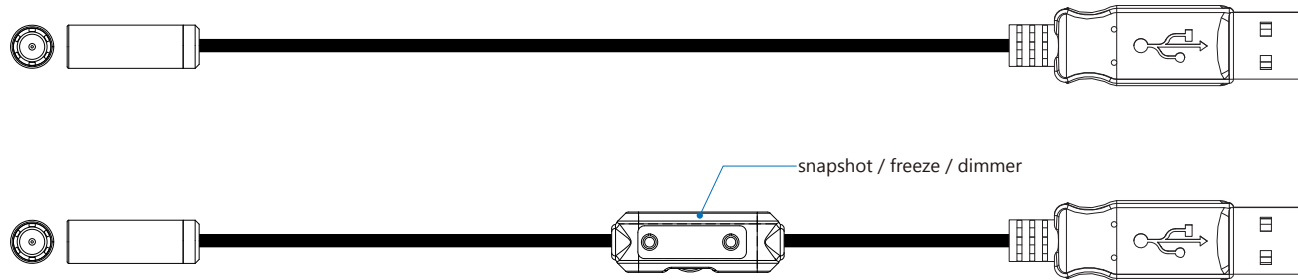
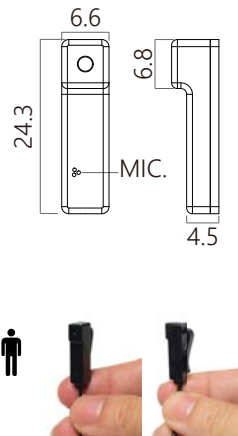
Model: TD-T31105L-158
LED x 8, tube type, 158° lens



Model: RD-T3110RL-77
LED x 8, 77° lens



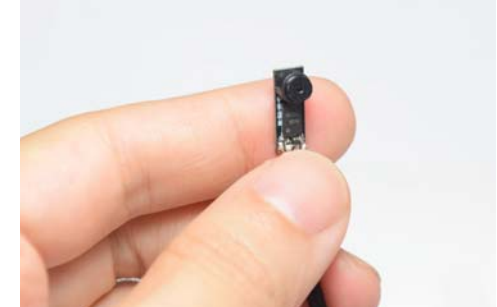
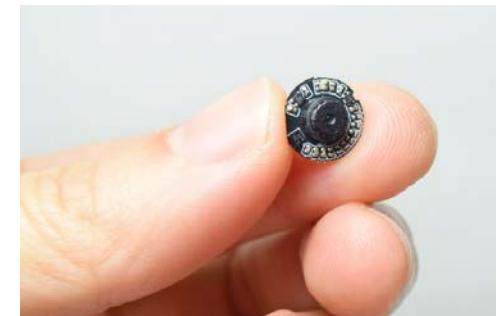
Model: TD-N31106UA-77
built-in Microphone, 77° lens



Type B	Cable length	Cable OD
1	10~150 (cm)	0.35 +0.1(mm) enameled wire
2	10~200 (cm)	0.9 +0.1(mm)
3	10~200 (cm)	1.5 +0.1(mm)
4	10~200 (cm)	1.7 +0.1(mm)
5	10~400 (cm)	2.8 +0.1(mm)
6	10~1000 (cm)	3.5 +0.1(mm)
7	10~1500 (cm)	5.0 +0.1(mm)

Specification

Max. frame rate	1920x1080 @ 15~30fps MJPEG/ 5fps YUV 1280x720@ 15~30fps MJPEG/ 10fps YUV 960x540; 848x480@15~30fps MJPEG/ 20fps YUV 640x480; 640x360; 424x240;320x240; 320x180; 176x144; 160x120@15~30fps MJPEG; 30fps YUV
Pixel size	1.4 μm x 1.4 μm
Image sensor	1/6" Digital CMOS Camera Module
Image area	2.7288x1.5498mm
Scan mode	progressive
Sensitivity	553 mV/(Lux-sec)
Dynamic range	73.3 dB @ 15.5x gain
UVC format	MJPEG, YUV
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Interface	USB 2.0 (Compliant with USB Video Class 1.1 standard)
Built-in Lens (specify which lens)	1.83mm/ F2.0/ 5.0/ 8.0 (77° lens-high depth of field lens-specify in advance) 1.55mm/ F5.7/ 8.0/ 10 (88° lens-high depth of field lens-specify in advance) 1.5mm/ F4.0/ F5.7(93° lens-specify in advance) 1.523mm/ F4.8/ 6.0/ 8.0 (158° lens-high depth of field lens-specify in advance)
View angle	H= 69°; V= 43°; D= 77° (77° lens) H=81°90';V=50°18';D=92°82' (93° lens) H=48.4°; V=78.3°; D=86.8° (88° lens) H=132°; V=65° ; D=158° (158° lens)
LED	white LED x 6 (specify when ordering) *TD-V31111RL series with 8 pcs white LED
Power source	DC 5V (USB)
Power current	NO LED / 160mA , with LED 6pcs / 190mA
Operating system	Windows XP, windows Vista, window 7, windows 8, windows 10, Linux, MAC OSX



Model NO. Information

TD-V31105L-77

① ② ③ ④ ⑤

① CONNECTOR	② TYPE	③ CAMERA TYPE	④ LED	⑤ LENS
TD USB 2.0 A type	B Board type	31105 color	L white LED x 6	77 1.83mm/F2.0(77°)
TM Micro USB OTG B type	VB Board type+dimmer	311M5 B/W	L8 IR 850nm LED x 6	77 1.83mm/F5.0/F8.0(77°) camera with LED
TT USB type C	T Tube type	31105A color(with MIC.)	L9 IR 940nm LED x 6	88 1.55mm/F5.7(88°)
TI Mini USB B type	V Tube type+dimmer	311M5A B/W(with MIC.)		93 1.5mm/F4.0(93°)
FTD USB 2.0 A type	L Snake type (with LED light)	31105U color (up view)		158 1.523mm/F4.8/6.0/8.0 (158° lens)
FTM Micro USB OTG B type	BL Board type (side view)	31109R Color(Round type+MIC.)		
FTT USB type C	VBL Board type (side view)+dimmer	311M9R B/W(Round type+MIC.)		
FTI Mini USB B type	NL Metal enclosure type (side view)	31110R Color(Round type+MIC.)		
RD USB 2.0 A type	VNL Metal enclosure type (side view) +dimmer			
RM Micro USB OTG B type	N Metal enclosure type (up view)			
RT USB type C	VN Metal enclosure type (up view) +dimmer			
<p>*FTD/ FTM /FTT/ FTI with snapshot & Freezing frame function</p> <p>*RD/ RM /RT for <u>xx</u>-V31110R only</p>		<p>*BL31105, BL311M5, B31105U without Tube type</p> <p>*B31105, B31109R without side view type</p>	IR LED suggest to choose B/W type	<p>77Y: Y: with Day&Night filter</p> <p>93° Lens diameter is 4.95mm</p> <p>158° Lens diameter is 6.25mm</p>

Camera parameter adjustable

Camera parameter can be adjusted on the smartphone via the Misumi app.



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

