

Body Type

unit: mm

Model: XD-BL31105-77-xx (side view)	Model: XD-B31105U-77-xx (up view)	Model: XD-B31105-77-xx (front view)
<p>Model: XD-B31105-77 cable OD: 2.0mm</p>		
<p>Model: XD-B31105-77-100 cable length ≤ 100cm cable OD: 1.7mm</p>		
<p>Model: XD-B31105-77-400 100cm < cable length ≤ 400cm cable OD: 2.5mm</p>		
<p>Model: XD-B31105-77-10M 400cm < cable length ≤ 1000cm cable OD: 3.5mm</p>		
<p>Model: XD-B31105-77-15M 1000cm < cable length ≤ 1500cm cable OD: 5.0mm</p>		

Model: FXD-VBL31105L-77-xx (side view)	Model: FXD-VB31105LU-77-xx (up view)	Model: FXD-VB31105L-77-xx (front view)
<ul style="list-style-type: none"> • Ø5.0mm / 15M (max) • Ø3.5mm / 10M (max) • Ø2.5mm / 4M (max) / Heat dissipation cable • Ø1.7mm / 1M (max) / Heat dissipation cable 		



- Feature**
- Miniature size
 - High sensitivity!
 - High performance.
 - Full HD image pixel
 - Camera parameter adjustable



Specification

Model	FXD-B31105	FXD-BL31105	FXD-B31105U	XD-B31105	XD-BL31105	XD-B31105U
Camera type	front view	left-side view	up view	front view	left-side view	up view
Dimension(mm)	Ø4.9	4.9x8.4	4.9x13.4	Ø4.9	4.9x8.4	4.9x13.4
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 1280x720 ; 960x540 ; 848x480 640x480 ; 640x360 ; 424x240 ; 320x240 ; 320x180 ; 176x144 ; 160x120					
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/2.0 /F5.0 /8.0 (77° lens-high depth of field lens-order in advance) 1.7mm/F4.0(91° lens) 1.523mm/F4.8(158° lens)					
View angle (order in advance)	H= 69°; V= 43°; D= 77° (77° lens) H=80.3°; V=79.2°; D=91° (91° lens) H=132°; V=65°; D=158° (158° lens)					
LED	white LED x 6 (order in advance)					
Power source	DC 5V (USB)					
Power current	160mA					
Operating system	Windows XP, windows Vista, window 7, windows 8, windows 10, Linux, MAC OSX					

XD-V31105L-77-100



① CONNECTOR	② TYPE	③ CAMERA TYPE	④ LED	⑤ LENS
XD USB 2.0 A type XM Micro USB OTG B type XT USB type C XI Mini USB B type FXD USB 2.0 A type FXM Micro USB OTG B type FXT USB type C FXI Mini USB B type	B Board type (module) VB Board type (module)+ dimmer function T Tube type V Tube type+dimmer function	31105 color 311M5 B/W	L white LED x 6 L8 IR 850nm LED x 6 L9 IR 940nm LED x 6	77 1.83mm/F2.0(77°) 77 1.83mm/F5.0/8.0 (77°) camera with LED 91 1.5mm/F5.7(91°) 158 1.523mm/F4.8(158°)
FXD ; FXM ; FXT ; FXI series with snapshot & Freeze function	XD ; XM ; XT ; XI series without dimmer function	1080p resolution sensor crop to VGA resolution for order in advance.	with IR LED suggest to choose B/W type	77° : with Day&Night filter 91° Lens diameter is 5.25mm 158° Lens diameter is 6.25mm

⑥ Cable length	
cable OD: 2.0mm	
100 cable length ≤ 100cm cable OD: 1.7mm	
400 100cm < cable length ≤ 400cm cable OD: 2.5mm	
10M 400cm < cable length ≤ 1000cm cable OD: 3.5mm	
15M 1000cm < cable length ≤ 1500cm cable OD: 5.0mm	

- Cable length can be customized (chip board to connector)
- The above camera types are only available for no LED models
- Camera head and main board size unit: mm

There are 8 type cameras for order in advance

NO	camera dimension diagram (unit: +0.02mm)	Note		
		MIPI	UVC	
A MIPI signal		●		
B MIPI signal		●		
C UVC signal			●	
D UVC signal			●	cable(max): 15M(OD5.0mm) 10M(OD3.5mm) 4M(OD2.5mm) 1M(OD1.7mm)
E UVC signal			●	cable(max): 15M(OD5.0mm) 10M(OD3.5mm) 4M(OD3.5mm) 1M(OD1.7mm)
F UVC signal			●	
G UVC signal			●	Model: FXD-B31105 cable(max): 15M(OD5.0mm) 10M(OD3.5mm) 4M(OD3.5mm) 1M(OD1.7mm)