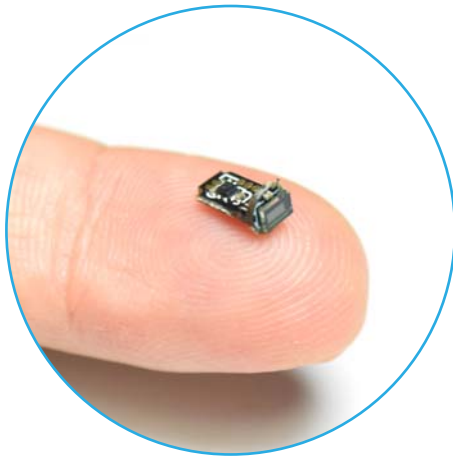


unit: mm

Model: XD-BL20903 (side view)	Model: XD-B20903U (up view)	Model: XD-B20903 (front view)	Model: XD-B20904 (front view)
Model: XD-B20903-lens cable OD: 2.0mm			
Model: XD-B20903-lens-100 cable length ≤ 100cm cable OD: 1.7mm			
Model: XD-B20903-lens-400 100cm < cable length ≤ 400cm cable OD: 2.5mm			
Model: XD-B20903-lens-10M 400cm < cable length ≤ 1000cm cable OD: 3.5mm			
Model: XD-B20903-lens-15M 1000cm < cable length ≤ 1500cm cable OD: 5.0mm			

unit: mm

Model: FXD-BL20903 (side view)	Model: FXD-B20903U (up view)	Model: FXD-B20903 (front view)	Model: FXD-B20903 (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 	



Specification

Model	FXD-B20903	FXD-BL20903	FXD-B20903U	FXD-B20904R	XD-B20903	XD-BL20903	XD-B20903U	XD-B20904R
Camera type	front view	left-side view	up view	front view	front view	left-side view	up view	front view
Dimension(mm)	Ø3.2	3.2x10	3.2x10	Ø4.2	Ø3.2	3.2x10	3.2x10	Ø4.2
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	1280x720, 960x540, 848x480 640x480, 640x360 424x240, 320x240, 320x180, 160x120 @30fps							
Pixel size	1.4 µm x 1.4 µm							
Image sensor	1/9" Digital CMOS Camera Module							
Image area	1.819 x1.033 mm							
Scan mode	progressive							
Sensitivity	585 mV/(Lux-sec)							
Dynamic range	68.4dB @16x 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)	1.32mm/F2.0 ; 1.32mm/F3.5 (77° lens-high depth of field lens-specify when ordering) F4.0 (120° lens) 1.00mm/F4.8 (128° lens)							
View angle (order in advance)	H= 69°; V= 42° ; D= 76° (76° lens) D=120° (120° lens) H= 118°; V= 76°; D= 128° (128° lens)							
LED	LED x 6 (white/IR 940nm/IR 850nm -specify when ordering)							
Power source	DC 5V (USB)							
Power current	120mA							
Operating system	Windows XP, windows Vista, window 7, windows 8, windows 10, Linux, MAC OSX							

XD-B20903L-120-100



1 CONNECTOR		2 TYPE		3 CAMERA TYPE		4 LED		5 LENS	
XD	USB 2.0 A type	B	Board type (module)	20903	color	L	white LED	76	1.32mm/F2.0 (76°)
XM	Micro USB OTG B type	VB	Board type (module)+dimmer function	209M3	B/W	L9	IR940nm LED	76	1.32mm/F3.5 (76°)
XT	USB type-C	BL	Board type (module-side view)	20904R	color (round type)	L8	IR850nm LED	120	F4.0 (120°)
FXD	USB 2.0 A type	VBL	Board type (module-side view) +dimmer function					128	1.0mm/F4.5 (128°)
FXM	Micro USB OTG B type	T	Tube type						
FXT	USB type-C	V	Tube type+dimmer function						
FXD, FXM, FXT snapshot & freeze frame function						with IR LED suggest to choose B/W type		1.32mm/F3.5 (76°)- camera with LED lights	

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

- 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

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) 13M(OD4.5mm) 5M(OD2.5mm) 4M(OD1.7mm)
E UVC signal			●	single-sided board cable(max): 15M(OD5.0mm) 13M(OD4.5mm) 5M(OD2.5mm) 4M(OD1.7mm)
F UVC signal			●	double-sided board cable(max): 15M(OD5.0mm) 13M(OD4.5mm) 5M(OD2.5mm) 4M(OD1.7mm)
G UVC signal			●	Model: FXD-B20903 cable(max): 15M(OD5.0mm) 13M(OD4.5mm) 5M(OD2.5mm) 4M(OD1.7mm)