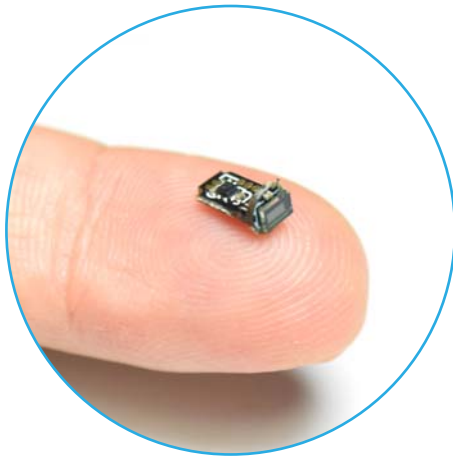


unit: mm

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: <b>2.0mm</b>			
Model: XD-B20903-lens-100 cable length ≤ <b>100cm</b> cable OD: <b>1.7mm</b>			
Model: XD-B20903-lens-400 <b>100cm &lt; cable length ≤ 400cm</b> cable OD: <b>2.5mm</b>			
Model: XD-B20903-lens-10M <b>400cm &lt; cable length ≤ 1000cm</b> cable OD: <b>3.5mm</b>			
Model: XD-B20903-lens-15M <b>1000cm &lt; cable length ≤ 1500cm</b> cable OD: <b>5.0mm</b>			

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"> <li>• Ø5.0mm / 15M (max)</li> <li>• Ø3.5mm / 10M (max)</li> <li>• Ø2.5mm / 4M (max) / Heat dissipation cable</li> <li>• Ø1.7mm / 1M (max) / Heat dissipation cable</li> </ul>	



## 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
<b>XD</b> USB 2.0 A type	<b>B</b> Board type (module)	<b>20903</b> color	<b>L</b> white LED	<b>76</b> 1.32mm/F2.0 (76°)
<b>XM</b> Micro USB OTG B type	<b>VB</b> Board type (module)+dimmer function	<b>209M3</b> B/W	<b>L9</b> IR940nm LED	<b>76</b> 1.32mm/F3.5 (76°)
<b>XT</b> USB type-C	<b>BL</b> Board type (module-side view)	<b>20904R</b> color (round type)	<b>L8</b> IR850nm LED	<b>120</b> F4.0 (120°)
<b>FXD</b> USB 2.0 A type	<b>VBL</b> Board type (module-side view)+dimmer function			<b>128</b> 1.0mm/F4.8 (128°)
<b>FXM</b> Micro USB OTG B type	<b>T</b> Tube type			
<b>FXT</b> USB type-C	<b>V</b> Tube type+dimmer function			
<b>FXD, FXM, FXT</b> 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: <b>2.0mm</b></p>
<b>100</b>	<p>cable length <math>\leq</math> <b>100cm</b> cable OD: <b>1.7mm</b></p>
<b>400</b>	<p><b>100cm &lt; cable length <math>\leq</math> 400cm</b> cable OD: <b>2.5mm</b></p>
<b>10M</b>	<p><b>400cm &lt; cable length <math>\leq</math> 1000cm</b> cable OD: <b>3.5mm</b></p>
<b>15M</b>	<p><b>1000cm &lt; cable length <math>\leq</math> 1500cm</b> cable OD: <b>5.0mm</b></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)