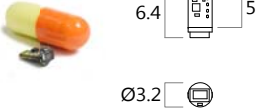
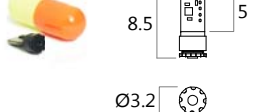
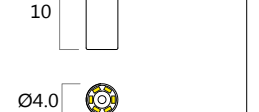
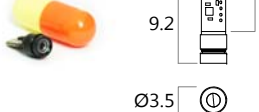


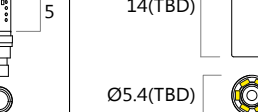

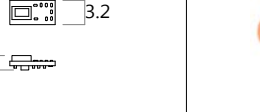
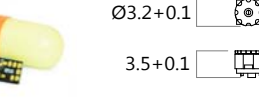
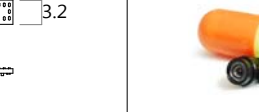

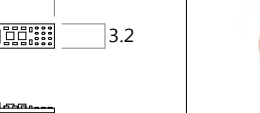
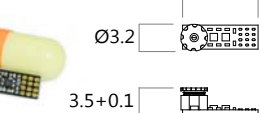
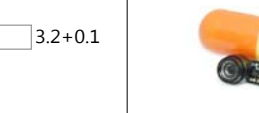

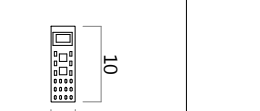

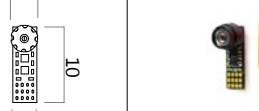





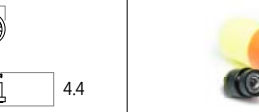
unit: mm

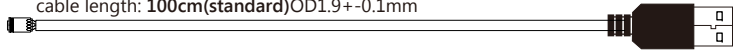
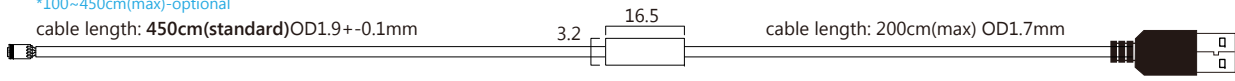
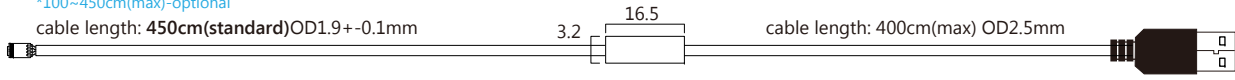
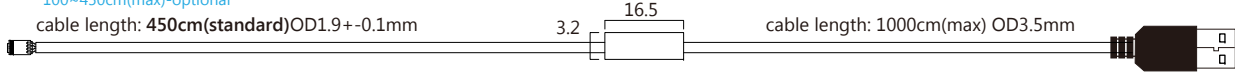
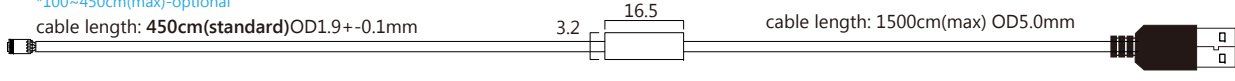
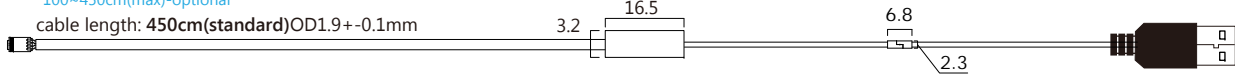
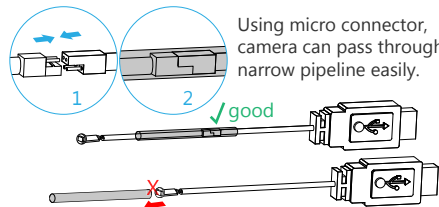
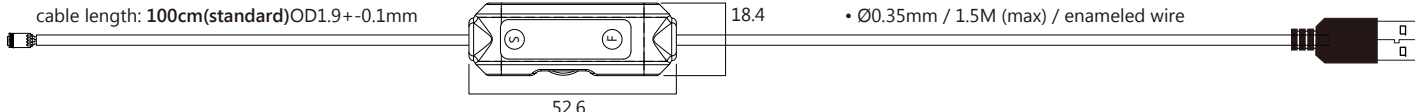
<p>Model: XD-B20903 No lens</p>  <p>6.4 3.2 5 Ø3.2</p>	<p>Model: XD-B20903-76 with 76° lens</p>  <p>8.5 3.2 5 Ø3.2</p>	<p>Model: XD-V20904L-76 with 76° lens, LED, Tube</p>  <p>10 Ø4.0</p>	<p>Model: XD-B20903-128 with 128° lens</p>  <p>9.2 3.2 5 Ø3.5</p>	<p>Model: XD-V20904L-128 with 128° lens, LED, Tube</p>  <p>12(TBD) Ø5.4(TBD)</p>	<p>Model: XD-B20903-140 with 140° lens</p>  <p>11.7 3.2 5 Ø3.6</p>	<p>Model: XD-V20904L-140 with 140° lens, LED, Tube</p>  <p>14(TBD) Ø5.4(TBD)</p>
--	---	--	--	--	--	--

<p>Model: XD-BL20903 No lens, Side View</p>  <p>6 3.2 1.9</p>	<p>Model: XD-BL20903-76 with 76° lens, Side View</p>  <p>6 Ø3.2+0.1 3.2 3.5+0.1</p>	<p>Model: XD-BL20903-128 with 128° lens, Side View</p>  <p>6 Ø3.5+0.1 3.2 4.8</p>	<p>Model: XD-BL20903-140 with 140° lens, Side View</p>  <p>6 Ø3.6 3.2 6.7</p>
---	---	---	--

<p>Model: XD-BL20903S No lens, Side View, Single Board</p>  <p>10 3.2 1.3+0.04</p>	<p>Model: XD-BL20903S-76 with 76° lens, Side View, Single Board</p>  <p>10 Ø3.2 3.2+0.1 3.5+0.1</p>	<p>Model: XD-BL20903S-128 with 128° lens, Side View, Single Board</p>  <p>10 Ø3.5 3.2+0.1 4.2+0.1</p>	<p>Model: XD-BL20903S-140 with 140° lens, Side View, Single Board</p>  <p>10 Ø3.5 3.2+0.1 4.2+0.1</p>
--	---	---	--

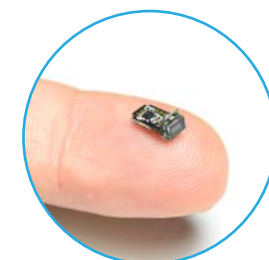
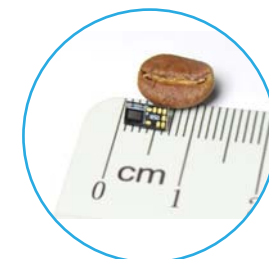
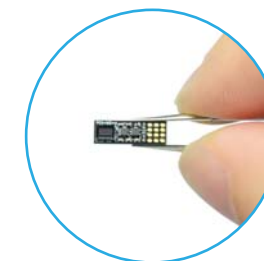
<p>Model: XD-B20903U No lens, up View, Single Board</p>  <p>1.3+0.04 10 3.2</p>	<p>Model: XD-B20903U-76 with 76° lens, up View, Single Board</p>  <p>3.2+0.1 Ø3.5 10 3.2</p>	<p>Model: XD-B20903U-128 with 128° lens, up View, Single Board</p>  <p>4.2+0.1 Ø3.5 10 3.2</p>	<p>Model: XD-B20903U-140 with 140° lens, up View, Single Board</p>  <p>4.2+0.1 Ø3.5 10 3.2</p>
---	--	--	---

<p>Model: XD-B20904R No lens, Front View</p>  <p>Ø4.2 1.9</p>	<p>Model: XD-B20904R-76 with 76° lens, Front View</p>  <p>Ø4.2 4.4</p>	<p>Model: XD-B20904R-128 with 128° lens, Front View</p>  <p>Ø4.2 4.8</p>	<p>Model: XD-B20904R-140 with 140° lens, Front View</p>  <p>Ø4.2 7.3</p>
---	--	--	---

<p>Model: XD-B20903-lens cable length \leq 450cm</p>	<p>*200~450cm(max)-optional cable length: 100cm(standard)OD1.9+-.0.1mm</p> 
<p>Model: XD-B20903-lens-700 450cm < cable length \leq 700cm</p>	<p>*100~450cm(max)-optional cable length: 450cm(standard)OD1.9+-.0.1mm</p>  <p>3.2 16.5 cable length: 200cm(max) OD1.7mm</p>
<p>Model: XD-B20903-lens-900 700cm < cable length \leq 900cm</p>	<p>*100~450cm(max)-optional cable length: 450cm(standard)OD1.9+-.0.1mm</p>  <p>3.2 16.5 cable length: 400cm(max) OD2.5mm</p>
<p>Model: XD-B20903-lens-15M 900cm < cable length \leq 1500cm</p>	<p>*100~450cm(max)-optional cable length: 450cm(standard)OD1.9+-.0.1mm</p>  <p>3.2 16.5 cable length: 1000cm(max) OD3.5mm</p>
<p>Model: XD-B20903-lens-20M 1500cm < cable length \leq 2000cm</p>	<p>*100~450cm(max)-optional cable length: 450cm(standard)OD1.9+-.0.1mm</p>  <p>3.2 16.5 cable length: 1500cm(max) OD5.0mm</p>
<p>Specifically designed/Customized for narrow pipeline, or other narrow spaces.</p>	<p>*100~450cm(max)-optional cable length: 450cm(standard)OD1.9+-.0.1mm</p>  <p>3.2 16.5 6.8 2.3</p>  <p>Using micro connector, camera can pass through narrow pipeline easily.</p>
<p>Model: FXD-B20903L-lens</p>	<p>*100~450cm(max)-optional cable length: 100cm(standard)OD1.9+-.0.1mm</p>  <p>52.6 18.4</p> <ul style="list-style-type: none"> • \varnothing5.0mm / 15M (max) • \varnothing3.5mm / 10M (max) • \varnothing2.5mm / 4M (max) / Heat dissipation cable • \varnothing1.7mm / 2M (max) / Heat dissipation cable • \varnothing0.9mm / 2M (max) • \varnothing0.35mm / 1.5M (max) / enameled wire

Specification

Model	FXD-B20903	FXD-BL20903	FXD-BL20903S	FXD-B20903U	FXD-B20904R	XD-B20903	XD-BL20903	XD-BL20903S	XD-B20903U	XD-B20904R
Camera type	front view	left-side view	left-side view	up view	front view	front view	left-side view	left-side view	up view	front view
Dimension(mm)	Ø3.2	3.2x6	3.2x10	3.2x10	Ø4.2	Ø3.2	3.2x6	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 (76° lens-high depth of field lens-specify when ordering) F4.0 (140° lens) 1.00mm/F4.8 (128° lens)									
View angle (order in advance)	H= 69°; V= 42° ; D= 76° (76° lens) D=140° (140° 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									

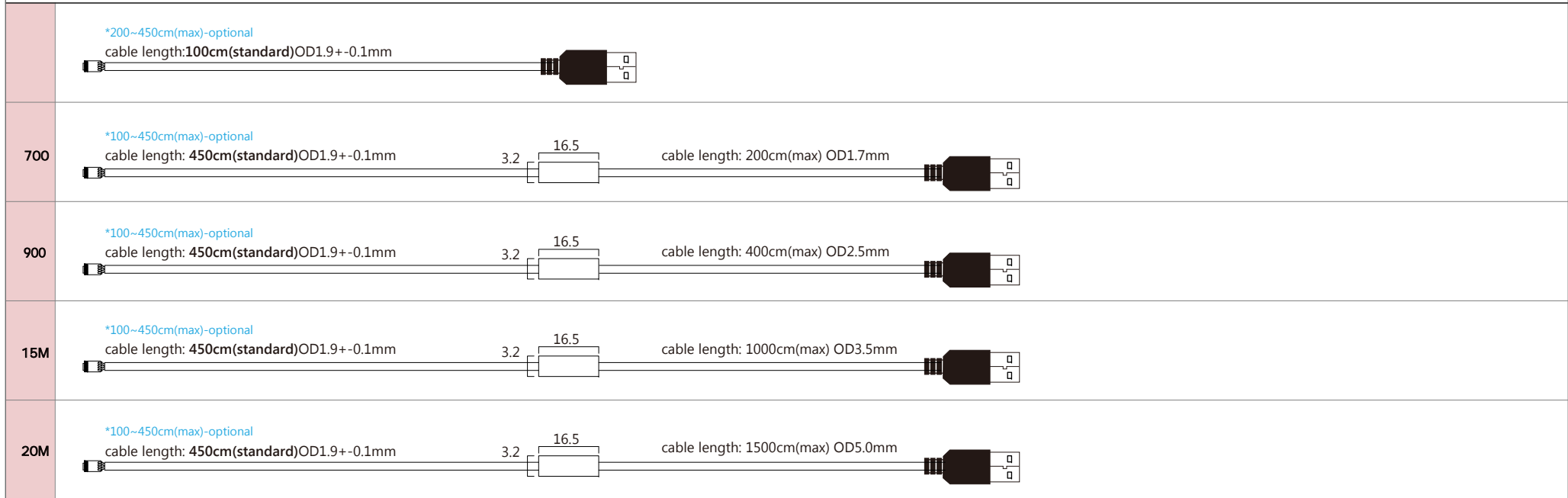


XD-B20903L-140-100



1 CONNECTOR	2 TYPE	3 CAMERA TYPE	4 LED	5 LENS
XD USB 2.0 A type	B Board type (module)	20903 color(Module)	L white LED	76 1.32mm/F2.0 (76°)
XM Micro USB OTG B type	VB Board type (module)+dimmer function	209M3 B/W(Module)	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	140 F4.0 (140°)
FXD USB 2.0 A type	VBL Board type (module-side view) +dimmer function	20904 color(Tube type)		128 1.0mm/F4.8 (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 light

6 Cable length



- 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