
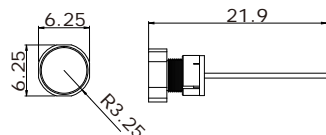
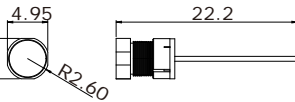


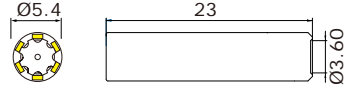

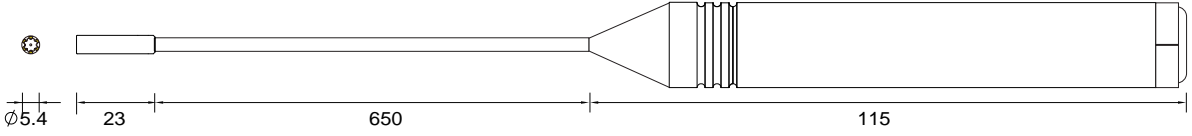



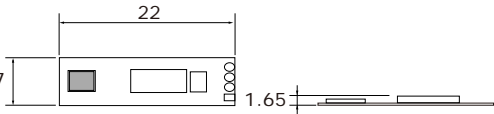
XX-B31105 (Module Type/front view)

	<p>(158° lens)</p> 		<p>(93° lens)</p> 
	<p>(77° lens)</p> 		<p>Tube(77° lens)</p>  <p>UNIT:±0.5mm</p>


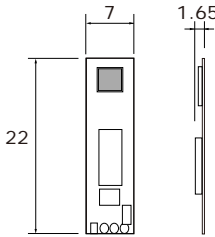
XX-L31105 (Snake Type/front view)


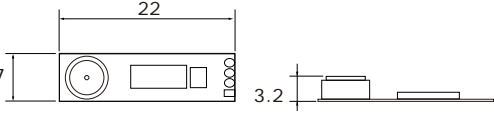
	<p>(77° lens)</p>  <p>UNIT:±0.5mm</p>
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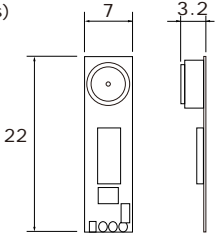
XX-BL31107 (Module Type/side view)

	
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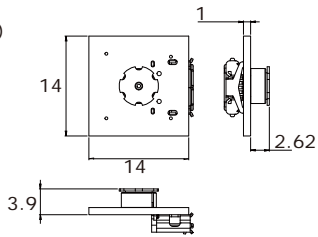
XX-B31107U (Module Type/up view)

	
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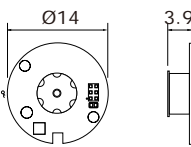
	<p>(77° lens)</p> 
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	<p>(77° lens)</p>  <p>UNIT:±0.5mm</p>
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XX-B31114 (Module Type)

	<p>(77° lens)</p> 
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XX-B31114R (Module Type)

	 <p>UNIT:±0.5mm</p>
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Specification

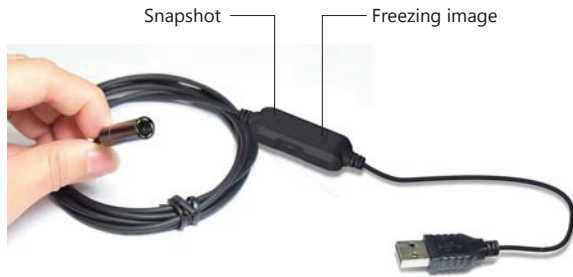
Model	MD-B31105	FD-B31105	MD-BL31107	MD-B31107U	MD-B31114R	FD-B31114
Built-in microphone				Yes	Yes	
Snapshot & Freeze Function		Yes				Yes
Camera parameter setting on smartphone	Yes	Yes	Yes	Yes	Yes	Yes
Compatibility with wifi UHS-DC02E android stick	Yes	Yes	Yes	Yes	Yes	Yes
Dimension(mm)	Ø4.9		7x22		Ø14	14x14
Max. frame rate	1920x1080 @ 15~30fps MJPEG 1280x720, 960x540, 848x480 640x480, 640x360, 424x240 320x240, 320x180, 176x144, 160x120					
Pixel size	1.4 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)					
Built-in Lens	specify when ordering					
View angle	specify when ordering					
LED	specify when ordering					
Power source	DC 5V (USB)					
Power current	160mA					
Operating system	Windows XP, windows Vista, window 7, windows 8, windows 10, Linux, MAC OSX					

MD-V31105L-77

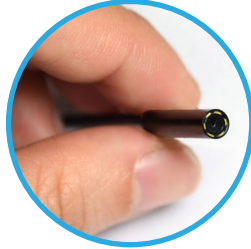


1 CONNECTOR	2 TYPE	3 CAMERA TYPE	4 LED	5 LENS
MD USB 2.0 A type MM Micro USB OTG B type MT USB type C MI Mini USB B type FD USB 2.0 A type FM Micro USB OTG B type FT USB type C FI Mini USB B type	B Board type (module) VB Board type (module)+ dimmer function T Tube type V Tube type+dimmer function L Snake type (with LED light) BL Board type (module-side view) VBL Board type (module-side view with LED light)	31105 color 311M5 B/W 31107 color 311M7 B/W 31114R color(round type) 31114 color(square type)	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(77°) camera with LED 77Y 1.83mm/F2.0(77°) 93 1.7mm/F4.0(91°) 158 1.523mm/F4.8(158°)
■ snapshot & freeze frame FD, FM, FT, FI series		■ MD-BL31107, MD-B31107U, MD-B31114, without Tube type ■ 1080p resolution sensor crop to VGA resolution for ordering in advance. (telescope type)	IR 850nm or IR 940nm LED suggest to choose B/W	77Y : with Day&Night filter 93° Lens diameter is 4.95mm 158° Lens diameter is 6.25mm

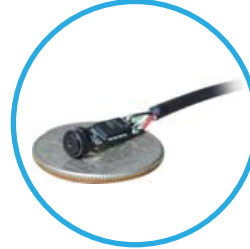
FD-V31105L



Tube type



Board type



Board type with LED



FD-L31105



4 types connector - order in advance



USB A type



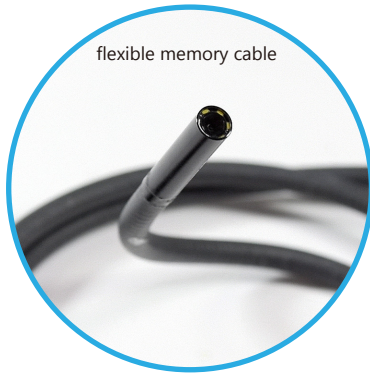
Mini USB B type



Micro USB B type



USB type C

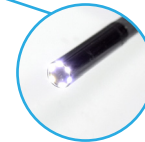
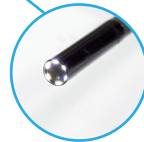
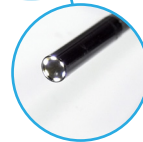
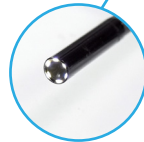


flexible memory cable

Digital ZOOM function



LED Dimmer snapshot & Freeze



Camera parameter adjustable

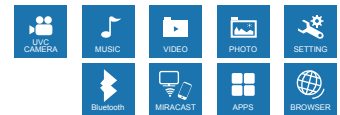
Camera parameter can be adjusted on the smartphone via the Misumi app.

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



Other information

WiFi 1080p Remote Control UVC Android Stick
► UHS-DC02E



Connecting with UHS-DC02E

UHS-DC02E support 1080p resolution camera and user can adjust camera parameter according to different environment.

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



HDMI TV



android phone