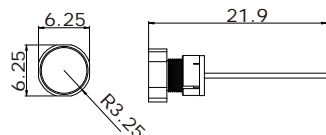


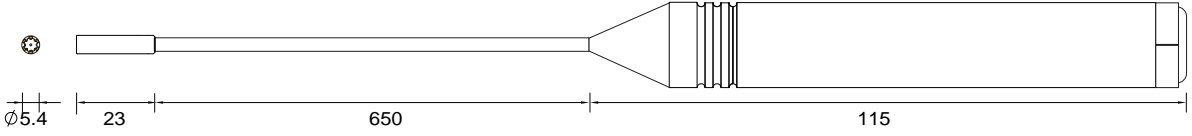



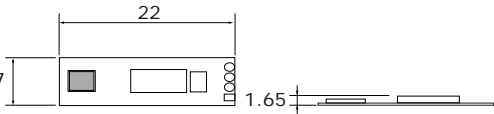
XX-B31105(Module Type/front view)

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


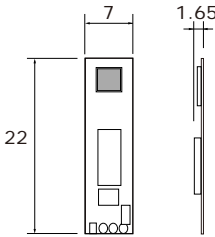
XX-L31105(Snake Type/front view)


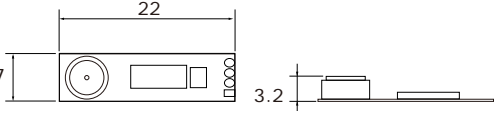
	<p>(77° lens)</p>  <p>UNIT:±0.5mm</p>
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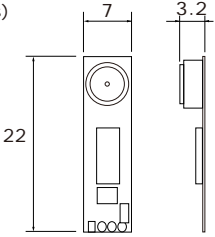
XX-BL31107(Module Type/side view)

	
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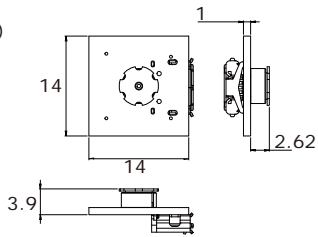
XX-B31107U(Module Type/up view)

	
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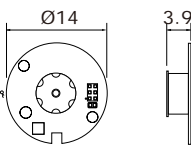
	<p>(77° lens)</p> 
--	---

	<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

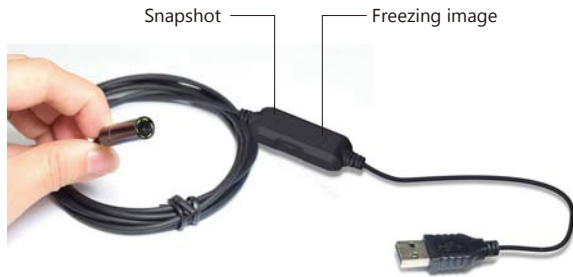
Model	MD-B31105	FD-B31105	MD-BL31107	MD-B31107U	MD-B31114R	FD-B31114
Snapshot & Freeze Function		Yes				Yes
Camera parameter setting on smartphone	Yes	Yes	Yes	Yes	Yes	Yes
Compatibility with wifi UHS-DC02E android stick	Yes	Yes	Yes	Yes	Yes	Yes
Dimension(mm)	Ø4.9		7x22		Ø14	14x14
Max. frame rate	1920x1080 @ 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	(order in advance)					
View angle	H= 69degree 41'; V= 43degree 9'; D= 77degree 23'					
LED	(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					

MD-V31105L-77

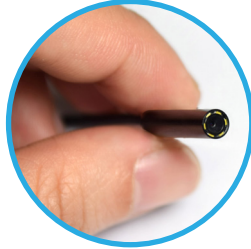


①		②		③		④		⑤	
MD USB 2.0 A type	B Board type (module)	31105 color	L white LED x 6	77 1.83mm/F2.0(77°)					
MM Micro USB OTG B type	VB Board type (module)+ dimmer function	311M5 B/W	L8 IR 850nm LED x 6	77 1.83mm/F5.0(77°) camera with LED					
MT USB type C	T Tube type	31107 color	L9 IR 940nm LED x 6						
MI Mini USB B type	V Tube type+dimmer function	311M7 B/W		77Y 1.83mm/F2.0(77°)					
FD USB 2.0 A type	L Snake type (with LED light)	31114R color(round type)		93 1.7mm/F4.0(91°)					
FM Micro USB OTG B type	BL Board type (module-side view)	31114 color(square type)		158 1.523mm/F4.8(158°)					
FT USB type C	VBL Board type (module-side view with LED light)								
FI Mini USB B type									
<ul style="list-style-type: none"> GPIO pin(snapshot & freeze) FD, FM, FT series 		<ul style="list-style-type: none"> MD-BL31107, MD-B31107U, MD-B31114, without Tube type 1080p resolution sensor crop to VGA resolution for ordering in advance. (telescope type) 	<ul style="list-style-type: none"> with IR 850nm IR 940nm LED suggest to choose B/W type 	<ul style="list-style-type: none"> 77Y : with Day&Night filter 93° Lens diameter is 4.95mm 158° Lens diameter is 6.25mm 					

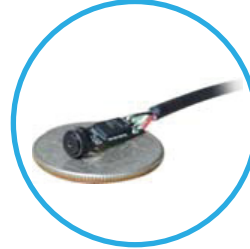
FD-V31105L



Tube type



Board type



Board type with LED



FD-L31105



4 types connector - order in advance



USB A type



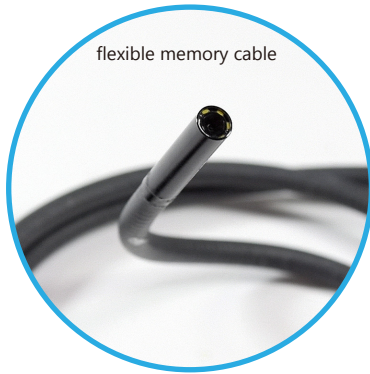
Mini USB B type



Micro USB B type



USB type C

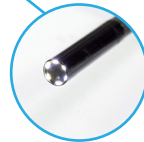
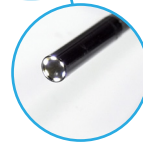


flexible memory cable

Digital ZOOM function



LED Dimmer
snapshot & Freeze



Camera parameter adjustable

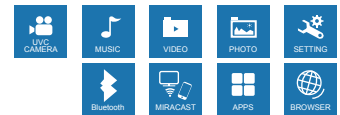
Camera parameter can be adjusted on the smartphone via the Misumi app.

- 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