
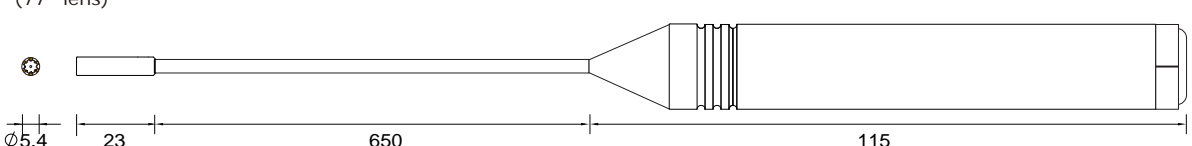


Digital type


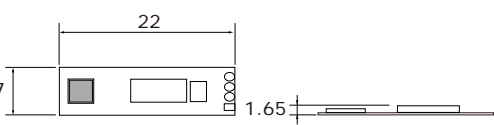

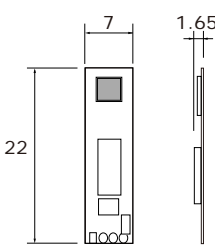

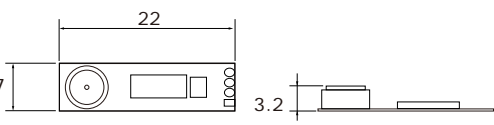

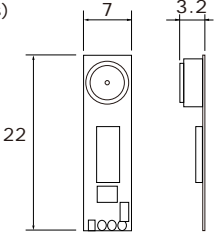
XX-B31105(Module Type/front view)

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


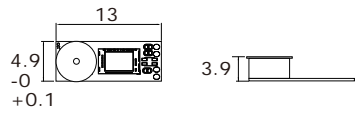

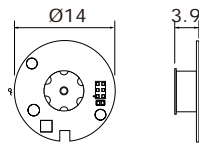
XX-V31105(Snake Type/front view)

	<p>(77° lens)</p>  <p>UNIT:±0.5mm</p>		
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XX-BL31107(Module Type/side view); XX-B31107U(Module Type/up view)

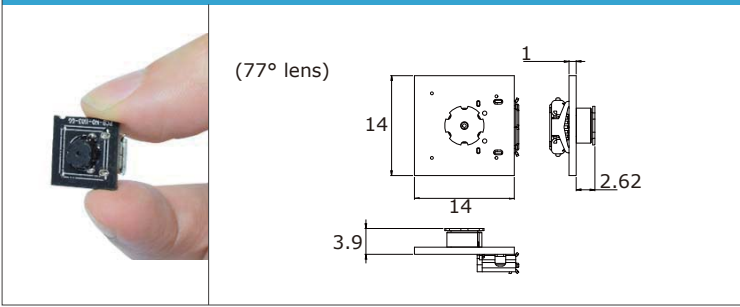
			
	<p>(77° lens)</p> 		<p>(77° lens)</p>  <p>UNIT:±0.5mm</p>

XX-BL31105(Module Type/side view); XX-B31114R(Module Type)

	<p>(77° lens)</p> 		 <p>UNIT:±0.5mm</p>
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unit:±0.5mm

**XX-B31114(Module Type)**



**Feature**

- Miniature size
- High sensitivity!
- High performance.
- Full HD image pixel
- Snapshot & Freeze function
- Camera parameter adjustable

**Specification**

Model	MD-B31105	FD-B31105	TD-BL31105 (side view)	FTD-BL31105 (side view)	MD-BL31107	MD-B31107U	MD-B31114R	FD-B31114R
Snapshot & Freeze Function		Yes		Yes				Yes
Camera parameter setting on smartphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compatibility with wifi UHS-DC02E android stick	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimension(mm)	Ø4.9		4.9x13		7x22		Ø14	14x14
Max. frame rate	1920x1080 @ 15~30fps MJPEG 1280x720 960x540 848x480 640x480 640x360 424x240 320x240 320x180 176x144 160x120							
Pixel size	1.4 μm 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	1.83mm/F2.0(ordering in advance)							
View angle	H= 69degree 41'; V= 43degree 9'; D= 77degree 23'							
LED	white LED x 6 (ordering 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							



Model NUM. Information

**MD-V31105L-77**

①    ②    ③    ④    ⑤

①	②	③	④	⑤
<b>MD</b> USB 2.0 A type <b>MM</b> Micro USB OTG B type <b>MT</b> USB type C <b>FD</b> USB 2.0 A type <b>FM</b> Micro USB OTG B type <b>FT</b> USB type C <b>TD</b> USB 2.0 A type <b>TM</b> Micro USB OTG B type <b>TT</b> USB type C <b>FTD</b> USB 2.0 A type <b>FTM</b> Micro USB OTG B type <b>FTT</b> USB type C	<b>B</b> Board type (module) <b>VB</b> Board type (module)+ dimmer function <b>T</b> Tube type <b>V</b> Tube type+dimmer function <b>L</b> Snake type (with LED light) <b>BL</b> Board type (module-side view)	<b>31105</b> Board type (color) <b>31105</b> Tube type (color) <b>311M5</b> Board type (B/W) <b>311M5</b> Tube type (B/W) <b>31107</b> Board type (color) <b>311M7</b> Tube type (B/W) <b>31114R</b> Board type (color) <b>31114</b> Board type (color)	<b>L</b> white LED x 6 <b>L8</b> IR 850nm LED x 6 <b>L9</b> IR 940nm LED x 6	<b>77</b> 1.83mm/F2.0(77°) <b>77</b> 1.83mm/F5.0(77°) camera with LED <b>77Y</b> 1.83mm/F2.0(77°) <b>93</b> 1.7mm/F4.0(91° ) <b>158</b> 1.523mm/F4.8(158°)
*TD-, TM-, TT- series only have BL31105 (side view)  *GPIO pin(snapshot & freeze) FTD-, FTM-, FTT FD-, FM-, FT- series		TD-BL31105, TD-BL311M5, MD-BL31107, MD-B31107U, MD-B31114R, without Tube type  ■ 1080p resolution sensor crop to VGA resolution for ordering in advance. (telescope type)	with IR 850nm IR 940nm LED suggest to choose B/W type	<b>77Y</b> : Y :with Day&Night filter  93° Lens diameter is 4.95mm  158° Lens diameter is 6.25mm



**Camera parameter adjustable**

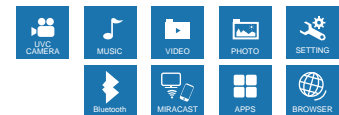
Camera parameter can be adjusted on the smartphone via the Misumi app.

- 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