
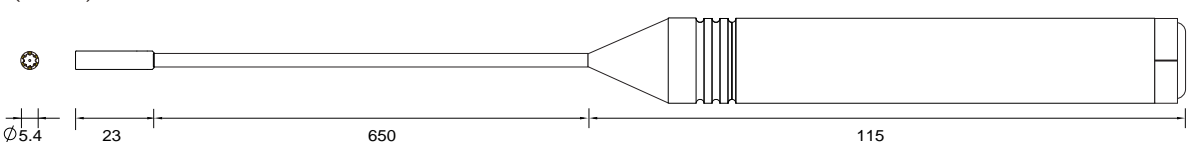


Digital type


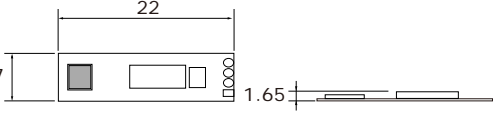

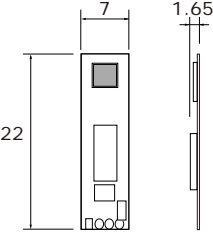

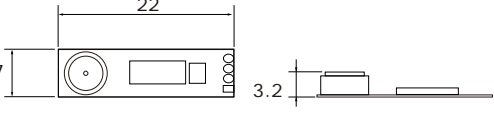

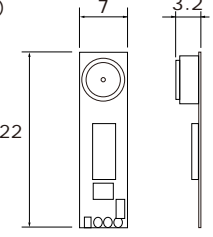
XX-B31105(Module Type/front view)

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


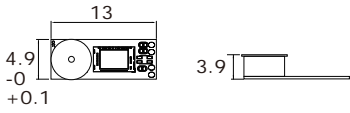

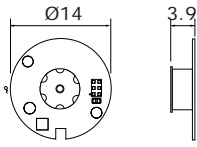
XX-V31105(Snake Type/front view)

	<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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**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
Chip on board type			Yes	Yes			
Snapshot & Freeze Function		Yes		Yes			
Camera parameter setting on smartphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compatibility with wifi UHS-DC02E android stick	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimension(mm)	Ø4.9		4.9x13		7x22		Ø14
Max. frame rate	1920x1080@ 30fps MJPG/ 3fps YUV 1280x720@ 30fps MJPG/ 12fps YUV 640x480@ 30fps MJPG/ 30fps YUV 320x240@ 30fps MJPG/ 30fps YUV						
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, YUY2						
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	
MD	USB 2.0 A type	B	Board type (module)	31105	Board type (color)	L	white LED x 6	77	1.83mm/F2.0(77°)
MM	Micro USB OTG B type	VB	Board type (module)+dimmer function	31105	Tube type (color)	L8	IR 850nm LED x 6	77Y	1.83mm/F2.0(77°)
MT	USB type C	T	Tube type	311M5	Board type (B/W)	L9	IR 940nm LED x 6	93	1.7mm/F4.0(91°)
FD	USB 2.0 A type	V	Tube type+dimmer function	311M5	Tube type (B/W)			158	1.523mm/F4.8(158°)
FM	Micro USB OTG B type	L	Snake type (with LED light)	31107	Board type (color)				
FT	USB type C	BL	Board type (module-side view)	311M7	Tube type (B/W)				
TD	USB 2.0 A type			31114R	Board type (color)				
TM	Micro USB OTG B type								
TT	USB type C								
FTD	USB 2.0 A type								
FTM	Micro USB OTG B type								
FTT	USB type C								
<p>*TD-, TM-, TT- series only have BL31105(side view)</p> <p>*Camera parameter adjustable on smartphone &amp; Compatibility with <u>UHD-DC02E</u></p> <p>*GPIO pin(snapshot &amp; freeze) <b>FTD-, FTM-, FTT</b> <b>FD-, FM-, FT- series</b> (Using on <u>UHS-DC02E</u> have snapshot function only)</p>				<p>TD-BL31105, TD-BL311M5, MD-BL31107, MD-B31107U, MD-B31114R, without Tube type</p> <p>■ 1080p resolution sensor crop to VGA resolution for ordering in advance. (telescope type)</p>		<p>with IR 850nm IR 940nm LED suggest to choose B/W type</p>		<p><b>77Y</b> : with Day&amp;Night filter</p> <p>93° Lens diameter is 4.95mm</p> <p>158° Lens diameter is 6.25mm</p>	



**Camera parameter adjustable**

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

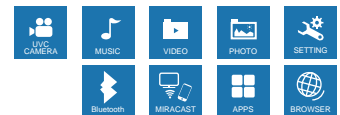
- Brightness ☼
- Gain ↗
- Contrast ●
- Gamma γ
- White Balance ☁
- Exposure time ABS ☑
- Sharpness ✱
- Backlight Compensation ☑
- HUE ⚙
- Saturation ○
- Mirror ▲
- Flip ▶
- Frame rate [30fps]
- Resolution [1920x1080]



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 γ
- White Balance ☁
- Exposure time ABS ☑
- Sharpness ✱
- Backlight Compensation ☑
- HUE ⚙
- Saturation ○
- Mirror ▲
- Flip ▶
- Frame rate [30fps]
- Resolution [1920x1080]

