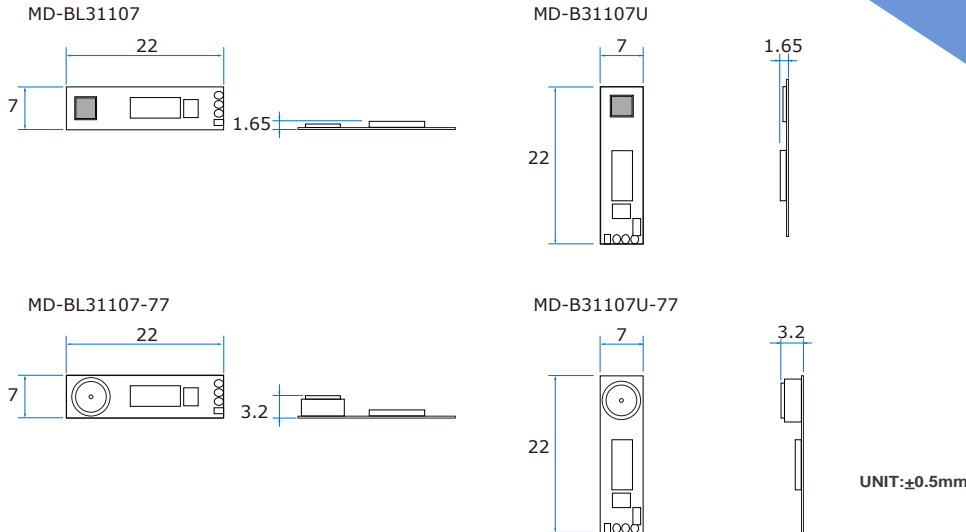


Digital type



- Feature**
- Miniature size
 - High sensitivity!
 - High performance.
 - Full HD image pixel

Specification

Model	MD-BL31107	MD-B31107U
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)	
LED	white LED x 6 (ordering in advance)	
Operating system	MAC OS, Windows10, Windows8, Windows7, Windows XP, Linux, Andriod	
Power source	DC 5V (USB)	
Power current	160mA	
Dimension(mm)	7x22	
Microphone	N/A	YES



MD-BL31107



MD-B31107U

More Information

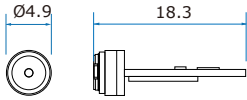
Model	LED	Sensor	Connector	View Type
MD-BL31107	N/A	1/6" CMOS Color	USB 2.0 A type	Side View
MD-BL31107L	White LED x6	1/6" CMOS Color		
MD-BL311M7	N/A	1/6" CMOS B/W		
MM-B31107U	N/A	1/6" CMOS Color	Micro USB OTG B type	UP View
MM-B31107LU	White LED x6	1/6" CMOS Color		
MM-B311M7U	N/A	1/6" CMOS B/W		

Note:

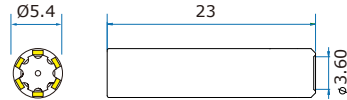
IR 940nm LED & IR 850nm LED for ordering in advance
 Lens: 1.83mm/F2.0 (>7cm-focus distance/normal DOF)
 Lens: 1.83mm/F5.0 (2cm~7cm-focus distance/Middle DOF)

Digital type

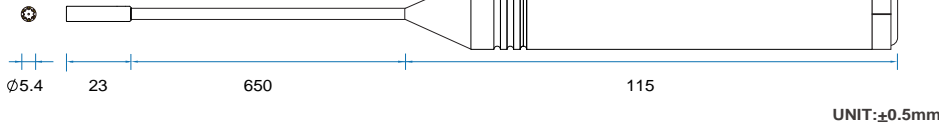
board type



tube type



snake type



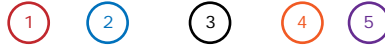
Feature

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

Specification

Model	MD-B31105-77	PD-B31105-77	FD-B31105-77	TD-B31105-77
Chip on board type	N/A	N/A	N/A	Yes
GPIO pin (Snapshot/Freeze)	N/A	N/A	Yes	Yes
Camera parameter setting on smartphone	N/A	Yes	Yes	Yes
Compatibility with wifi UHS-DC02E android stick	N/A	Yes	Yes	Yes
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			
View angle	H= 69degree 41'; V= 43degree 9'; D= 77degree 23'			
LED	white LED x 6 (ordering in advance)			
Operating system	Windows XP, windows Vista, window 7, windows 8			
Power source	DC 5V (USB)			
Power current	160mA			
Dimension(mm)	φ4.9			

MD-V31105L-77



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			
*PD	USB 2.0 A type	V	Tube type+dimmer function	311M5	Tube type (B/W)					
*PM	Micro USB OTG B type	L	Snake type (with LED light)							
*PT	USB type C									
*FD	USB 2.0 A type									
*FM	Micro USB OTG B type									
*FT	USB type C									
*Camera parameter adjustable on smartphone & Compatibility with UHD-DC02E PD-, PM-, PT-, FD-, FM-, FT- series								with IR 850nm IR 940nm LED suggest to choose B/W type		77Y : Y : with Day&Night filter
*GPIO pin(snapshot & freeze) FD-, FM-, FT- series (Using on UHS-DC02E only have snapshot function)										



XX-B31105-77



XX-B31105L-77



XX-V31105L-77



XX-L31105-77



Camera parameter adjustable

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

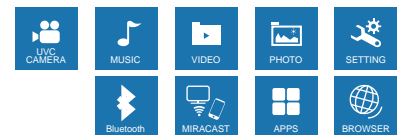
- Brightness ☼
- Gain ↗
- Contrast ●
- Gamma γ
- White Balance ⚖
- Exposure time ABS 📷
- Sharpness ✨
- Backlight Compensation 📷
- HUE 🎨
- Saturation ○
- Mirror 📷
- Flip ▶
- Frame rate 📷 30fps
- Resolution 📷 1920x1080



Other information

WiFi 1080p Remote Control WiFi UVC Android Stick

▶ UHS-DC02



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 📷 60fps
- Resolution 📷 1920x1080

