

Feature

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

Specification

Model	TD-B31105	FTD-B31105	TD-BL31105 (side view)	FTD-BL31105 (side view)	TD-B31105U (up view)	FTD-B31105U (up view)	TD-B31109R
Snapshot & Freeze Function		Yes		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		4.9x13		Ø9.6
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 (order in advance)	1.83mm/F2.0(77° lens) 1.7mm/F4.0(93° lens) 1.523mm/F4.8(158° lens)						
View angle (order in advance)	H= 69°; V= 43°; D= 77° (77° lens) H=84°; V=53°; D=93° (93° lens) H=132°; V=65° ; D=158° (158° lens)						
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 NO. Information

**TD-V31105L-77**



①		②		③		④		⑤																
<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>VBL</b> Board type (module-side view) +dimmer function	<b>31105</b> color	<b>311M5</b> B/W	<b>31109R</b> Color(Round type)	<b>311M9R</b> B/W(Round type)	<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(93°)	<b>158</b> 1.523mm/F4.8(158°)
*GPIO pin(snapshot & freeze) FTD-, FTM-, FTT series						<ul style="list-style-type: none"> <li>TD-BL31105, TD-BL311M5 without Tube type</li> <li>B31105, B31109R without side view type</li> <li>1080p resolution sensor crop to VGA resolution for ordering in advance. (telescope type)</li> </ul>						with IR 850nm & IR 940nm LED suggest to choose B/W type						<b>77Y:</b> <b>Y:</b> with Day&Night filter 93° Lens diameter is 4.95mm 158° Lens diameter is 6.25mm						

**Camera parameter adjustable**

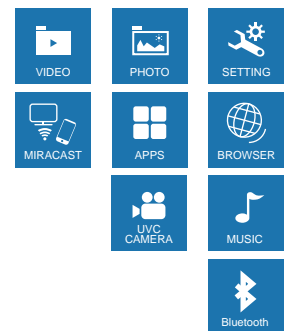
Camera parameter can be adjusted on the smartphone via the Misumi app.



- 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.

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HDMI TV



android phone