

Specification

Dimension(mm) & Image						
Model	TD-B31105	TD-B31105A	TD-BL31105 (side view)	TD-B31105U (up view)	TD-B31105UA (up view)	TD-B31109R
Dimension(mm) & Image						
Model(Metal enclosure)	TD-T31105	TD-T31105A	TD-NL31106 (side view)	TD-N31106U (up view)	TD-N31106UA (up view)	RD-V3110RL
Built-in microphone	N/A	Built-in MIC	N/A	N/A	Built-in MIC	N/A
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 (specify which lens)	1.83mm/F2.0 /F5.0 /8.0(77° lens-high depth of field lens-order in advance) 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 (specify when ordering) *TD-V31111RL with 8 pcs white LED					
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

① CONNECTOR	② TYPE	③ CAMERA TYPE	④ LED	⑤ LENS
<b>TD</b> USB 2.0 A type <b>TM</b> Micro USB OTG B type <b>TT</b> USB type C <b>TI</b> Mini USB B type <b>FTD</b> USB 2.0 A type <b>FTM</b> Micro USB OTG B type <b>FTT</b> USB type C <b>FTI</b> Mini USB B type <b>RD</b> USB 2.0 A type <b>RM</b> Micro USB OTG B type <b>RT</b> USB type C	<b>B</b> Board type <b>VB</b> Board type+dimmer <b>T</b> Tube type <b>V</b> Tube type+dimmer <b>L</b> Snake type (with LED light) <b>BL</b> Board type (side view) <b>VBL</b> Board type (side view)+dimmer <b>NL</b> Metal enclosure type (side view) <b>VNL</b> Metal enclosure type (side view)+dimmer <b>N</b> Metal enclosure type (up view) <b>VN</b> Metal enclosure type (up view)+dimmer	<b>31105</b> color <b>311M5</b> B/W <b>31105A</b> color(with MIC.) <b>311M5A</b> B/W(with MIC.) <b>31109R</b> Color(Round type+MIC.) <b>311M9R</b> B/W(Round type+MIC.) <b>31110R</b> Color(Round type+MIC.)	<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/F8.0(77°) camera with LED <b>93</b> 1.7mm/F4.0(93°) <b>158</b> 1.523mm/F4.8(158°)
<p>*<b>FTD/ FTM /FTT/ FTI</b> with snapshot &amp; Freezing frame function</p> <p>*<b>RD/ RM /RT</b> for <b>xx-V31110R</b> only</p>		<p>*TD-BL31105, TD-BL311M5 without Tube type</p> <p>*B31105, B31109R without side view type</p> <p>*1080p resolution sensor crop to VGA resolution for order in advance. (telescope type)</p>	<p>IR LED suggest to choose B/W type</p>	<p><b>77Y: Y</b>: with Day&amp;Night filter 93° Lens diameter is 4.95mm 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
- White Balance
- Exposure time ABS
- Sharpness
- Backlight Compensation
- HUE
- Saturation
- Mirror
- Flip
- Frame rate  30fps
- Resolution  1920x1080

