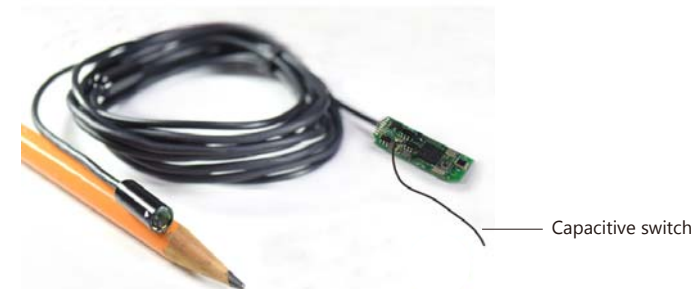




UNIT:±0.2mm



Ultra Slim Camera Module Series

Model: BT-BL31103
Single Board, No lens

Best selection !
For side view endoscope

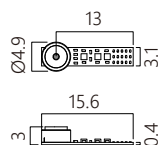


Model: BT-B31104U
Single Board, No lens

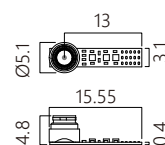
Best selection !
For up view endoscope



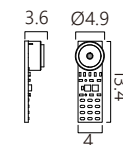
Model: BT-BL31103-77
Single Board, 77° lens



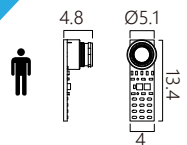
Model: BT-BL31103-88
Single Board, 88° lens



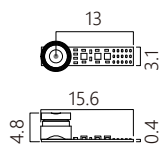
Model: BT-B31104U-77
Single Board, 77° lens



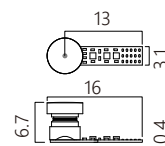
Model: BT-B31104U-88
Single Board, 88° lens



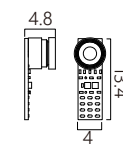
Model: BT-BL31103-93
Single Board, 93° lens



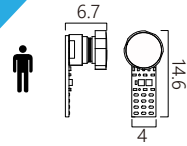
Model: BT-BL31103-158
Single Board, 158° lens



Model: BT-B31104U-93
Single Board, 93° lens

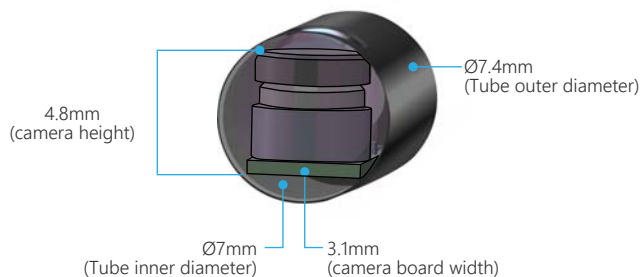


Model: BT-B31104U-158
Single Board, 158° lens



Ultra slim!

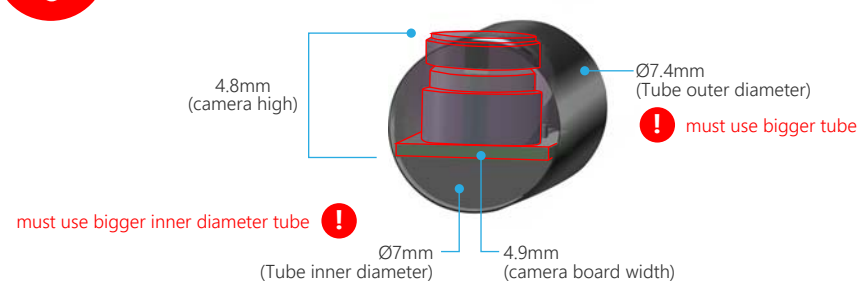
MISUMI Side View Camera (use Ø7.4mm tube)



Ultra slim design to fit smaller diameter tube, for easier narrow pipe inspection !

!

Other Side View Camera (use Ø7.4mm tube)



<p>Model: BT-BL31105 No lens</p> <p>4.9+0.1 8.4 2</p>	<p>Model: BT-BL31105-77 77° lens</p> <p>4.9+0.1 8.5 4.1</p>	<p>Model: BT-BL31105-88 88° lens</p> <p>4.9+0.1 8.5 5.4</p>	<p>Model: BT-BL31105-93 93° lens</p> <p>4.9+0.1 8.5 5.7</p>	<p>Model: BT-BL31105-158 158° lens</p> <p>4.9+0.1 8.5 6.9</p>
<p>Model: BT-BL31105S Single Board, No lens</p> <p>4.9+0.1 13.5 1.4</p>	<p>Model: BT-BL31105S-77 Single Board, 77° lens</p> <p>4.9+0.1 13.5 3.6+0.5</p>	<p>Model: BT-BL31105S-88 Single Board, 88° lens</p> <p>4.9+0.1 13.5 4.8</p>	<p>Model: BT-BL31105S-93 Single Board, 93° lens</p> <p>4.9+0.1 13.5 5.1</p>	<p>Model: BT-BL31105S-158 Single Board, 158° lens</p> <p>4.9+0.1 13.5 6.3</p>
<p>Model: BT-B31105U Single Board, No lens</p> <p>1.4 4.9 13.5</p>	<p>Model: BT-B31105U-77 Single Board, 77° lens</p> <p>3.6 4.9+0.1 13.5</p>	<p>Model: BT-B31105U-88 Single Board, 88° lens</p> <p>4.8 4.9+0.1 13.5</p>	<p>Model: BT-B31105U-93 Single Board, 93° lens</p> <p>5.1 4.9 13.5</p>	<p>Model: BT-B31105U-158 Single Board, 158° lens</p> <p>6.3 4.9 13.5</p>
<p>Model: BT-B31105 No lens</p> <p>Ø4.9 6.3+0.1</p>	<p>Model: BT-B31105-77 77° lens</p> <p>Ø4.9 8.3+0.1</p>	<p>Model: BT-B31105-88 88° lens</p> <p>Ø4.9 9.8+0.1</p>	<p>Model: BT-B31105-93 93° lens</p> <p>Ø5.2 10.1+0.1</p>	<p>Model: BT-B31105-158 158° lens</p> <p>Ø6.5 11.3+0.1</p>
<p>Model: BT-B31106R No lens</p> <p>Ø5.7 2</p>	<p>Model: BT-B31106R-77 77° lens</p> <p>Ø5.7 5.5</p>	<p>Model: BT-B31106RL-88 88° lens</p> <p>Ø5.7 6</p>	<p>Model: BT-B31106RL-93 93° lens</p> <p>Ø5.7 5.9</p>	<p>Model: BT-B31106RL-158 158° lens</p> <p>Ø6.5 7.7</p>
<p>Model: BT-B31108RL No lens</p> <p>Ø7.6 1.7</p>	<p>Model: BT-B31108RL-77 77° lens</p> <p>Ø7.6 5.2</p>	<p>Model: BT-B31108RL-88 88° lens</p> <p>Ø7.6 5.7</p>	<p>Model: BT-B31108RL-93 93° lens</p> <p>Ø7.6 5.6</p>	<p>Model: BT-B31108RL-158 158° lens</p> <p>Ø7.6 7.4</p>

* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

* light guide-specify when ordering

Model	BT-BL31103	BT-B31104U	BT-BL31105	BT-BL31105S	BT-B31105U	BT-B31105	BT-B31108RL
Camera type	left-side view (Single board)	up view (Single board)	left-side view	left-side view (Single board)	up view	front view	front view
Dimension(mm)	3.1 x 15.4	4 x 13.4	4.9x8.4	4.9x13.5	4.9x13.5	Ø4.9	Ø7.6
Max. frame rate	HD720P, max- 15 fps (via Bluetooth)						
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						
Code	H.264						
Storage temperature	-30 to 60 Degree C						
Working temperature	0 to 50 Degree C						
Lens (specify which lens)	1.83mm/2.0 /F5.0 /8.0 (77° lens-high depth of field lens-order in advance) 1.55mm/F5.7(88° lens) 1.7mm/F4.0(91° lens) 1.523mm/F4.8(158° lens)						
View angle (order in advance)	H= 69°; V= 43°; D= 77° (77° lens) H=78.3°; V=48.4°; D=93° (88° lens) H=80.3°; V=79.2°; D=91° (93° lens) H=132°; V=65°; D=158° (158° lens)						
LED	white LED x 6 (specify when ordering)						
Power source	4.2V						
Radio	RF						
Frequency	2.4Ghz						
Operation range	Up to 10Meters						
Main processor	ARM Cortex M4F						
Memory	256Mb DDR						
PCB Dimension(blueetooth)	27.3 x 9.3mm						
Microphone	Built-in						
Record	To smart phone APP						