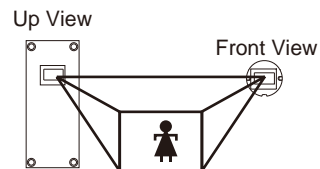


**Feature**

- Full HD USB camera!
- High sensitivity!
- High Performance.
- Full HD image pixel.

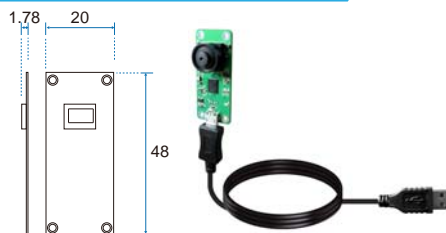


Camera Orientation

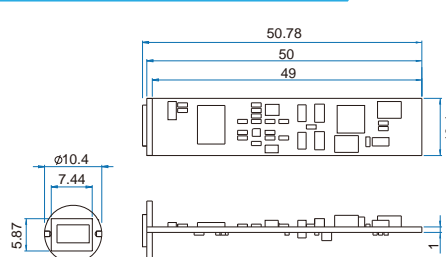
**Specification**

Model	B2020U	N2020U	B2011	T2013
Dimensions (mm)	20 × 48	22.8 × 57	Ø10.4	Ø13
Camera Type	Board Type	Case Type	Board Type	Tube Type
Orientation	Up View		Front View	
Frame Rate (Max.)	1920 × 1080 / 30 fps H.264, MJPEG; 5 fps YUV 1280 × 720 / 30 fps H.264, MJPEG; 10 fps YUV 640 × 480 / 30 fps, 640 × 360 / 30 fps H.264, MJPEG, YUV 320 × 240 / 30 fps, 320 × 180 / 30 fps H.264, MJPEG, YUV			
Pixel Size (um)	3 × 3			
Image Sensor	1/2.7" Digital Cmos Camera Module			
Image Area (mm)	5.86 × 3.28			
Scan Mode	Progressive			
Sensitivity	3300 mV / Lux-sec			
Dynamic Range	69 dB @ 8 × gain			
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)			
Output Format	YUV, MJPEG, H.264			
Operating System	Windows OS (Win7 & Win8) Linux OS (kernel 2.6.27 or later ), Android OS			
Power Source	DC 5 V (USB)			
Power Current	350 mA (Min.)			

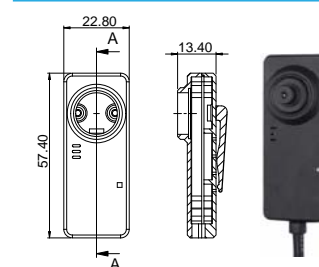
**B2020U-6B**  
Board type / Up view / 6B Lens



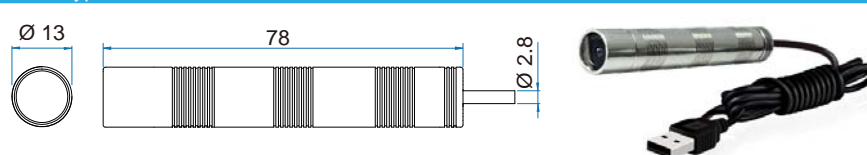
**B2011**  
Board type / Front view / No Lens



**N2020U**  
Case type / Up view / Built-In Lens



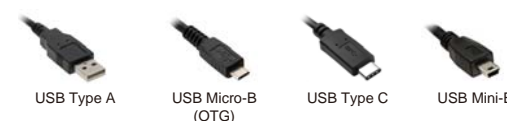
**T2013**  
Tube type / Front View / 3.0mm F 2.0 Lens



**MD-B2020U-6B**

SERIES	CONNECTOR	CAMERA BODY	DISPLAY	LENS
<b>M</b> Basic	<b>UVC Signal</b> <b>D</b> USB Type A <b>M</b> USB Micro Type B (OTG) <b>T</b> USB Type C <b>I</b> USB Mini Type B	<b>B</b> Board Type <b>T</b> Tube Type <b>U</b> Up View <b>N</b> Case Type	<b>Board Type</b> <b>2011</b> Color <b>2020U</b> Color <b>Tube Type</b> <b>2013</b> Color <b>* U</b> Up View	<b>N/A</b> 3.0 mm / F 2.0 <b>6B</b> 6.0 mm / F 2.0

**Connector Information**



\* N Case type may choose covers for hidden application.