USB CAMERA MODULE

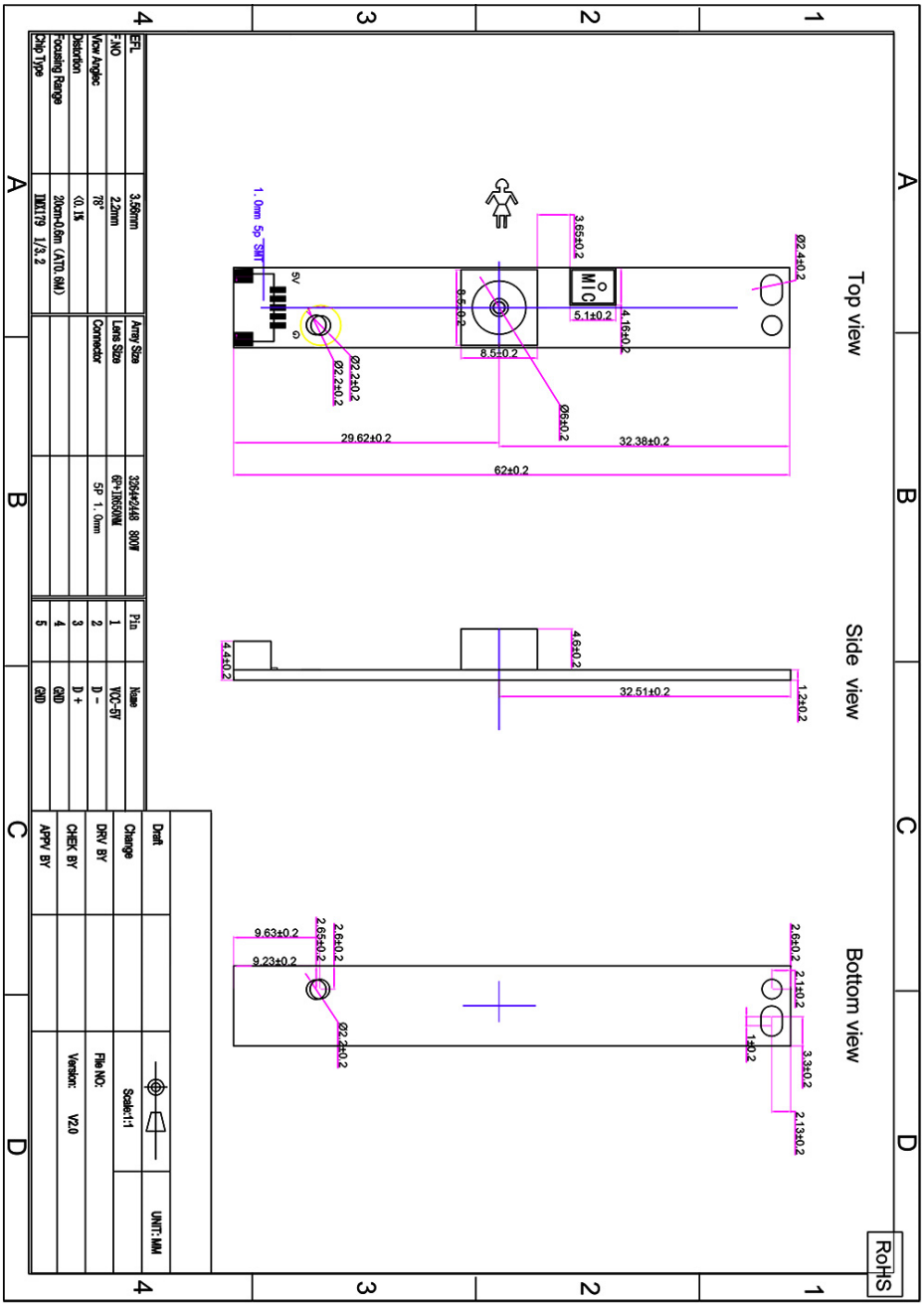
FEATURES

camera module is using a Sony IMX179 Image sensor which is a 1/3.2-inch CMOS digital image sensor with an active-pixel array of 3264(H) x 2448(V) , UVC compliant, Plug and Play, Immersion Gold process PCB, high quality and stable image output, fully supporting customized board size and have different options for Lens.

Application: Video Conference, 3D imaging, video, artificial intelligence, embedded Vision, access control, surveillance...

Specification

Model	WNT-179L-USB
Sensor	IMX179, 1/3.2’’ CMOS
Pixel	3264(H) x 2448(V)
Pixel Size	1.4µm x 1.4µm
SNR MAX	34dB
Dynamic Range	72.5dB
Output Format	YUV/MJPEG
Sensitivity	650mV / lux-sec@550nm
Chroma	Color
Interface	USB 2.0 High speed
Lens	FEL:3.56MM F/NO:2.2MM
FOV	78° (More options are available)
Focus Type	Auto focus
Shutter Type	Electronic rolling shutter
Mic	Supporting
Board Socket	5pin 1.0mm
Power consumption	D.C. 5V
Adjustable parameter	Brightness/Contrast/Color saturation/Hue/Definition/ Gamma/White balance/Exposure
Supporting OS	WinXP/Vista/Win7/Win8/Win10 MAC-OS X 10.4.8 or later Android /Linux with UVC
Cable	1m USB cable
Dimension	60mmx 9mm
Working temperature	0°C to 60°C
Storage temperature	-30°C to 70°C

Humidity	⩽85%
Resolution & Frame rate	
MJPG Compression Format:	3264 x 2448 (8MP) @15fps 2592x1944 (5MP) @15fps 2048x1536 (3MP)@15fps 1600x1200 (UXGA) @15fps 1920x1080 (1080P) @30fps 1280x720 (720P) @30fps 800x600 (WVGA) @30fps 640x480 (VGA) @30fps
YUY2 Compression Format:	3264 x 2448 (8MP) 2592x1944 (5MP) 2048x1536 (3MP) 1600x1200 (UXGA) 1920x1080 (1080P) 1280x720 (720P) 800x600 (WVGA) 6400x480 (VGA)

PRODUCT DRAWING