



USB Camera Module Specification

8 Megapixel Auto Focus USB2.0 SONY IMX179 Color CMOS Sensor USB Camera

USB8MP04AF-V72



Product Model: USB8MP04AF-V72

8MP AF USB Camera Module

1. Main Specifications

Model	USB8MP04AF-V72	
Sensor	SONY IMX179	
Sensor Size	1/3.2 inch	
Pixel Size	1.4 μ m x 1.4 μ m	
Image Area	6.18mm x 5.85mm	
Max. Resolution	3264(H) X 2448(V) 8 Megapixel	
Compression format	MJPEG / YUY2 (YUYV)	
Resolution & Frame Rate	3264X2448 MJPEG@15fps YUY2@1fps 2048X1536 MJPEG@15fps YUY2@3fps 1920X1080 MJPEG@25fps YUY2@5fps 1280X720 MJPEG@25fps YUY2@10fps 800X600 MJPEG@25fps YUY2@25fps 320X240 MJPEG@25fps YUY2@25fps	2592X1944 MJPEG@20fps YUY2@2fps 1600X1200 MJPEG@25fps YUY2@5fps 1280X960 MJPEG@25fps YUY2@5fps 1024X768 MJPEG@25fps YUY2@10fps 640X480 MJPEG@25fps YUY2@25fps
Focus	Auto	
S/N Ratio	34dB	
Dynamic Range	72.5dB	
Sensitivity	0.65V/Lux-sec@550nm	
Min Illumination	0.5 Lux	
Shutter Type	Electronic Rolling Shutter / Frame Exposure	
Connecting Port Type	USB2.0 High Speed	
Free Drive Protocol	USB Video Class (UVC)	
OTG Protocol	USB2.0 OTG	
AGC/AEC/AWB	Auto	
Adjustable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, Gain, White Balance, Backlight Contrast, Exposure	
Lens Parameter	AF LENS Focus: 3.5mm , DFOV: 72 Degree	
Power Supply	USB BUS POWER 4P-2.0mm socket	
Operating Voltage	DC5V	
Working Current	150mA~240mA	
Working Temperature	-10~70 $^{\circ}$ C	
Storage Temperature	-20~85 $^{\circ}$ C	
Board Size /Weight	38X38mm (Compatible 32X32mm) / about 30g	
Cable	Standard 1m / Optional 2m,3m,5m	
Operating System Request	WinXP/Vista/Win7/Win8/Win9/Win10/Win11 etc. Linux with UVC (above linux-2.6.26) MAC-OS X 10.4.8 or later Android 4.0 or above with UVC	

2. Module Mechanical Dimensions

Unit (mm)		
Connect 4P USB Line	1	DC5V IN
4P 2.0 Plug	2	DP
DC 5V Input	3	DM
Video output	4	GND
DC 5V output	5	GND
2P 2.0 Plug	6	DC5V OUT

