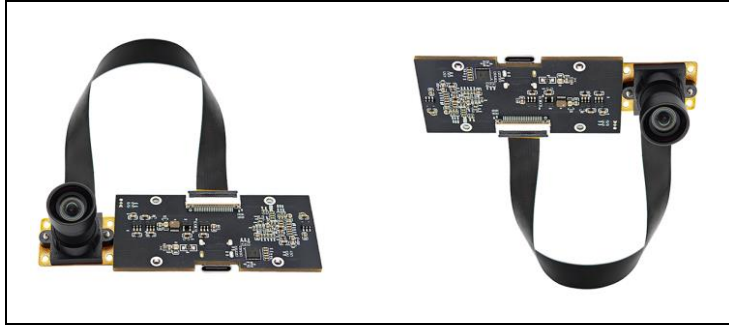


I2MP 4K USB3.0 Camera Module Specifications



I. Main Parameters

Product Name	I2MP 4K USB3.0 Camera Module
Product Code	Wn-I2403MB-VI.I 577
Module Size	PCB:60*29 FPC:170.5*23
Image Sensor	1/2.3-inch IMX577 CMOS Sensor
Max. Resolution	4000 H x 3000 V
Pixel Size	1.55*1.55µm
Output Format	MJPEG, YUY2, NVI2, H264, H265
Field of View	DFOV 100°
Lens	EFL: 3.24mm, F/No: 2.7, 4G2P+IR 650nm
Minimum Illumination	0.l Lux
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Output & Power Supply	High Speed USB3.0
Interface	Type-C USB3.0
Controllable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Contrast, Exposure
Supported OS	UVC-compliant, Plug and Play for Windows, Android, Linux, Mac OS, etc.
Connection Cable	Default 1.5 Meter USB Cable

Resolutions and Frame Rates

Formats	Resolutions	Frame Rates
MJPEG	4000x3000 (I2MP)	10FPS
	3840x2160(4K)	30FPS
	2560x1440(2K)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080(1080P)	30FPS
	1280x720(720P)	30FPS
	1280x720 (720P)	30FPS
640x480 (VGA)	30FPS	
YUY2	4000x3000 (I2MP)	8FPS
	3840x2160(4K)	15FPS
	2560x1440(2K)	30FPS
	2592x1944(5MP)	25FPS
	2048x1536(3MP)	30FPS

	1600x1200(2MP)	30FPS
	1920x1080(1080P)	30FPS
	1280x720(720P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
NVI2	4000x3000 (I2MP)	8FPS
	3840x2160(4K)	15FPS
	2560x1440(2K)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080(1080P)	30FPS
	1280x720(720P)	30FPS
	1280x720 (720P)	30FPS
H.264	3840x2160(4K)	30FPS
	2560x1440(2K)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080(1080P)	30FPS
	1280x720(720P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
H.265	3840x2160(4K)	30FPS
	2560x1440(2K)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080(1080P)	30FPS
	1280x720(720P)	30FPS
	1280x720 (720P)	30FPS
640x480 (VGA)	30FPS	

2. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	5V Power
2	DP	Data-
3	DM	Data+
4	GND	GND
5	SSPXNI	USB3.0 SSPXNI
6	SSPXPI	USB3.0 SSPXPI
7	GND	GND
8	SSTXNI	USB3.0 SSTXNI
9	SSTXPI	USB3.0 SSTXPI

3. Working Conditions

