

I2MP 4K USB3.0 Camera Module Specifications



I. Main Parameters

Product Name	I2MP 4K USB3.0 Camera Module
Product Code	WN-L2309K357-V2.0-577
Module Size	38*38mm
Image Sensor	1/2.3-inch IMX577 CMOS Sensor
Max. Resolution	4000H*3000V
Pixel Size	1.55*1.55μm
Output Format	MJPEG, YUV2 ,NVI2,H264 ,H265
Field of View	DFOV 100°
Lens	EFL: 3.24mm, F/No: 2.7, 4G2P+IR 650nm
Minimum Illumination	0.1 Lux
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Output & Power Supply	High Speed USB3.0
Interface	USB3.0 and High Definition Interface
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

2. Resolutions and Frame Rates

Formats	Resolutions	Frame Rates
MJPEG	4000x3000 (I2MP)	25FPS
	3840x2160(4K)	30FPS
	2560x1440(2K)	30FPS
	3264x2448(8MP)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080 (I080P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
320x240(QVGA)	30FPS	
YUY2	4000x3000 (I2MP)	8FPS
	3840x2160(4K)	15FPS

	2560x1440(2K)	30FPS
	3264x2448(8MP)	15FPS
	2592x1944(5MP)	25FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080 (I080P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
	320x240(QVGA)	30FPS
	NVI2	4000x3000 (I2MP)
3840x2160(4K)		15FPS
2560x1440(2K)		30FPS
3264x2448(8MP)		15FPS
2592x1944(5MP)		25FPS
2048x1536(3MP)		30FPS
1600x1200(2MP)		30FPS
1920x1080 (I080P)		30FPS
1280x720 (720P)		30FPS
640x480 (VGA)		30FPS
320x240(QVGA)	30FPS	
H.264	3840x2160(4K)	30FPS
	2560x1440(2K)	30FPS
	3264x2448(8MP)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080 (I080P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
	320x240(QVGA)	30FPS
H.265	3840x2160(4K)	30FPS
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	3264x2448(8MP)	30FPS
	2592x1944(5MP)	30FPS
	2048x1536(3MP)	30FPS
	1600x1200(2MP)	30FPS
	1920x1080 (I080P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
	320x240(QVGA)	30FPS

3. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	5V Power
2	DP	Data-
3	DM	Data+
4	GND	GND

