

Low Light 8MP USB3.0 Camera Module Specifications



I. Main Parameters

Product Name	Low Light 8MP 4K USB3.0 Camera Module
Product Code	WN-L250IK410 4K V585
Module Size	38*38*85.8mm
Image Sensor	1/1.2-inch CMOS Sensor
Max. Resolution	3840H*2160V
Pixel Size	2.9*2.9μm
Output Format	MJPEG, YUY2, NVI2, H264, H265
Field of View	125°
Digital Noise Reduction	Adaptive 2D-DNR and 3D-DNR
Lens	FEL:6.93mm F/NO:1.0 5G+4P IR 650NM
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Support
Noise Reduction	Adaptive digital noise reduction, 2D-DNR, 3D-DNR
Minimum Illumination	0.01Lux
Output & Power Supply	High Speed USB3.0
Interface	USB3.0 Type-C
Controllable Parameters	Brightness, Contrast, Saturation, Hue, Gain, 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	3840*2160(4K)	60FPS
	2592*1944(5MP)	60FPS
	2560*1440(2K)	60FPS
	1920*1080 (1080P)	60FPS
	1280*720 (720P)	60FPS
	640*480 (VGA)	60FPS
	320*240	60FPS
YUY2	3840*2160(4K)	18FPS
	2592*1944(5MP)	30FPS
	2560*1440(2K)	30FPS
	1920*1080 (1080P)	30FPS

NVI2	1280*720 (720P)	30FPS
	640*480 (VGA)	30FPS
	320*240	30FPS
	3840*2160(4K)	18FPS
	2592*1944(5MP)	30FPS
	2560*1440(2K)	30FPS
	1920*1080 (1080P)	30FPS
	1280*720 (720P)	30FPS
H.264	640*480 (VGA)	30FPS
	320*240	30FPS
	3840*2160(4K)	60FPS
	2592*1944(5MP)	60FPS
	2560*1440(2K)	60FPS
	1920*1080 (1080P)	60FPS
	1280*720 (720P)	60FPS
	640*480 (VGA)	60FPS
H.265	320*240	60FPS
	3840*2160(4K)	30FPS
	2592*1944(5MP)	30FPS
	2560*1440(2K)	30FPS
	1920*1080 (1080P)	30FPS
	1280*720 (720P)	30FPS
	640*480 (VGA)	30FPS
	320*240	30FPS

3. Working Conditions

Working Voltage	DC 5V
Working Current	690mA
Working Temperature	-15°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

4. Shape and Dimensions (Unit: mm)

