

8MP USB3.0 Camera Module Specifications



I. Main Parameters

Product Name	8MP 4K USB3.0 Camera Module
Product Code	WN-L250IK410 4K V678
Module Size	38*38*56.5mm
Image Sensor	1/1.8-inch CMOS Sensor
Max. Resolution	3840H*2160V
Pixel Size	2.0*2.0μm
Output Format	MJPEG, YUY2, NVI2, H264, H265
Field of View	DFOV:72.5° HFOV:64.5° VFOV:39°
Digital Noise Reduction	Adaptive 2D-DNR and 3D-DNR
Lens	FEL:6.19mm F/NO:2.8 2G+4P IR 650NM
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Support
Minimum Illumination	0.0ILux
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
YUY2	3840*2160(4K)	18FPS
	2592*1944(5MP)	30FPS
	2560*1440(2K)	30FPS
	1920*1080 (1080P)	30FPS
	1280*720 (720P)	30FPS
	640*480 (VGA)	30FPS
NVI2	3840*2160(4K)	18FPS

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

3. Working Conditions

Working Voltage	DC 5V
Working Current	640mA
Working Temperature	-15°C ~ 70°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

4. Shape and Dimensions (Unit: mm)

