

5MP USB2.0 Camera Module Datasheet



1. Main Parameters

Product Name	5MP USB2.0 Camera Module
Product Code	WN-L2109.K228R
Module Size	62*10mm
Image Sensor	1/2.5-inch PS5520 CMOS Sensor
Max. Resolution	2952 H x 1944 V
Pixel Size	2.2*2.2μm
Output Format	MJPEG, YUY2
Field of View	75°
Audio Input	Digital Microphone
Lens	EFL: 4.35mm, F/No. 2.0, 6P+IR 650nm
Focus Mode	Fixed Focus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Up to 85dB
Output & Power Supply	High Speed USB2.0
Interface	5PIN 1.0mm Connector
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 1.0 Meter USB Cable

2. Supported Resolutions and Frame Rates

Formats	Resolutions	Frame Rates
MJPEG	2952x1944	30FPS
	2560x1440	30FPS
	2048x1536	30FPS
	1920x1080	30FPS
	1280x720	30FPS
	800x600	30FPS
YUY2	640x480	30FPS
	2952x1944	3FPS
	2560x1440	3FPS
	2048x1536	5FPS
	1920x1080	10FPS
	1280x720	30FPS
	800x600	30FPS
	640x480	30FPS

3. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	DC 5V
2	DM	USB2.0 Data-
3	DP	USB2.0 Data+
4	GNG	Ground
5	GNG	Ground

4. Working Conditions

Working Voltage	DC 5V
Working Current	130mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

5. Shape and Dimensions (Unit: mm)

