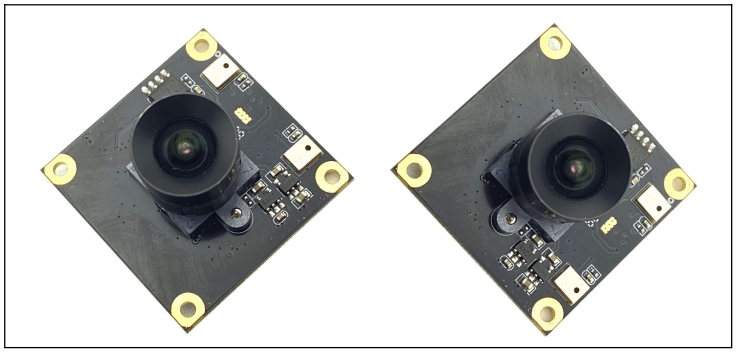
Weinan Electronics

5MP USB2.0 Camera Module Specifications



1. Main Parameters

Product Name	5MP USB2.0 Camera Module
Product Code	WN-L2204K332L
Module Size	32*32mm
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	106°
Lens	EFL: 2.8mm, F.No: 2.4, 2G2P+IR 650nm
Audio Input	Digital Microphone
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Up to 85dB
Output & Power Supply	High Speed USB2.0
Interface	5PIN 1.25mm 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 (5MP)	30FPS
	1920x1080 (1080P)	30FPS
	1280x720 (720P)	30FPS
	800x600(WVGA)	30FPS
	640x480 (VGA)	30FPS
YUY2	2952x1944 (5MP)	2FPS
	1920x1080 (1080P)	2FPS
	1280x720 (720P)	5FPS
	800x600(WVGA)	10FPS
	640x480 (VGA)	30FPS

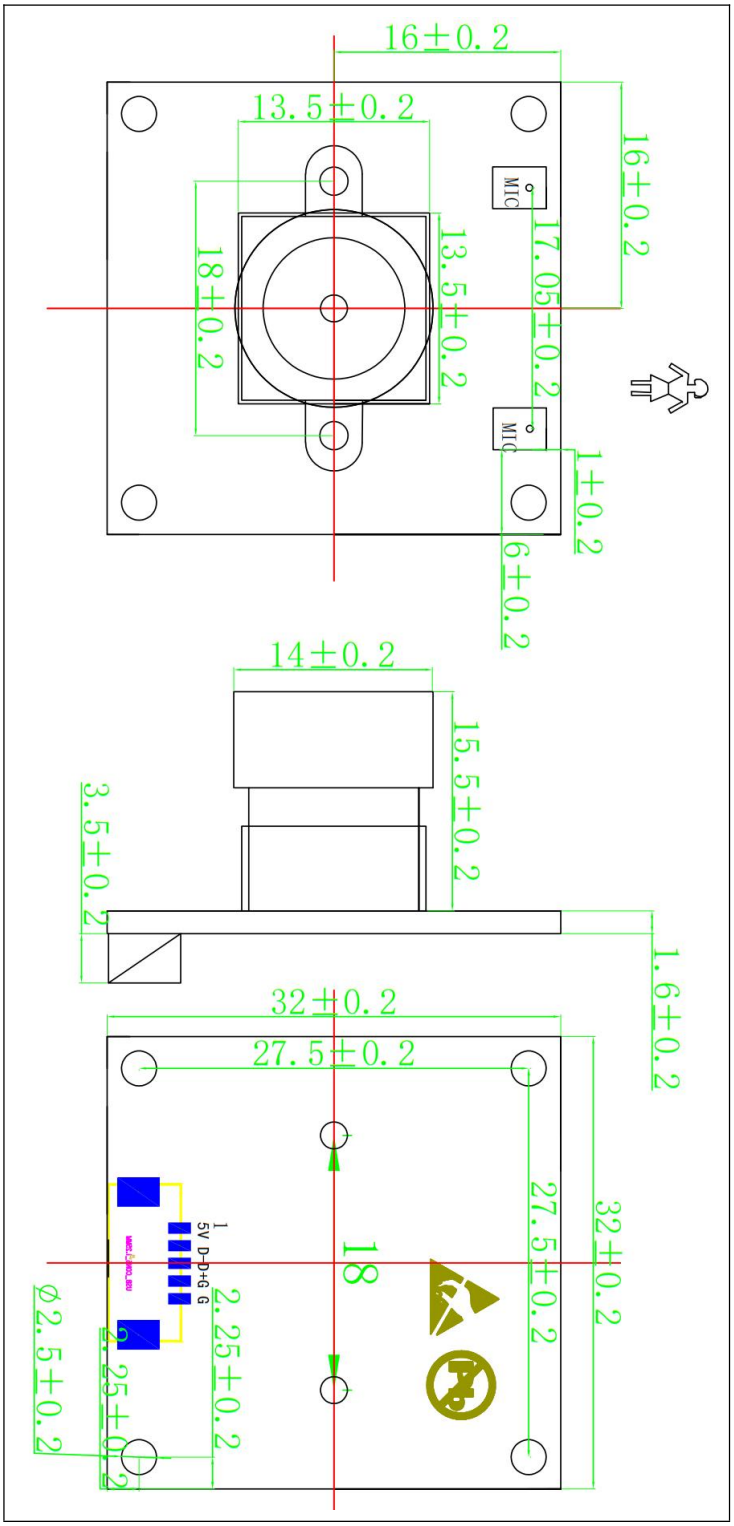
3. PIN Definitions

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

4. Working Conditions

Working Voltage	DC 5V
Working Current	230mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

5. Shape and Dimensions (Unit: mm)



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