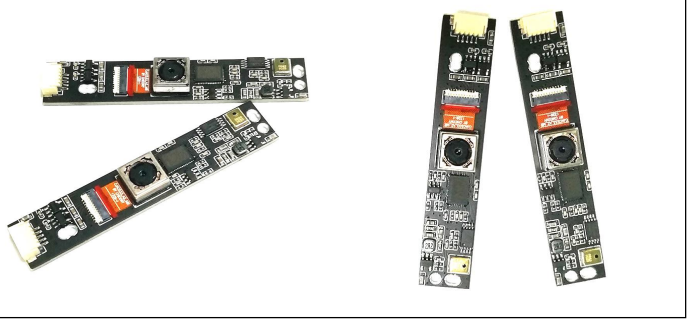
Weinan Electronics

5MP USB2.0 Camera Module Specifications



I. Main Parameters

Product Name	5MP USB2.0 Camera Module
Product Code	WN-L2003.KI05R-NB5MP
Module Size	62*I2mm
Image Sensor	1/4.0-inch OV5693 CMOS Sensor
Max. Resolution	2952 H x 1944 V
Pixel Size	1.4*1.4μm
Output Format	MJPEG, YUY2
Field of View	73.8°
Audio Input	Digital Microphone
Lens	EFL: 2.0mm, F/No. 2.4, 6P+IR 650nm
Focus Mode	Autofocus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Up to 69dB
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	2952xI944	30FPS
	2560xI440	30FPS
	2048xI536	30FPS
	I920xI080	30FPS
	I280x720	30FPS
	800x600	30FPS
	640x480	30FPS
YUY2	2952xI944	3FPS
	2048xI536	3FPS
	I920xI080	5FPS
	I280x720	I0FPS
	640x480	30FPS

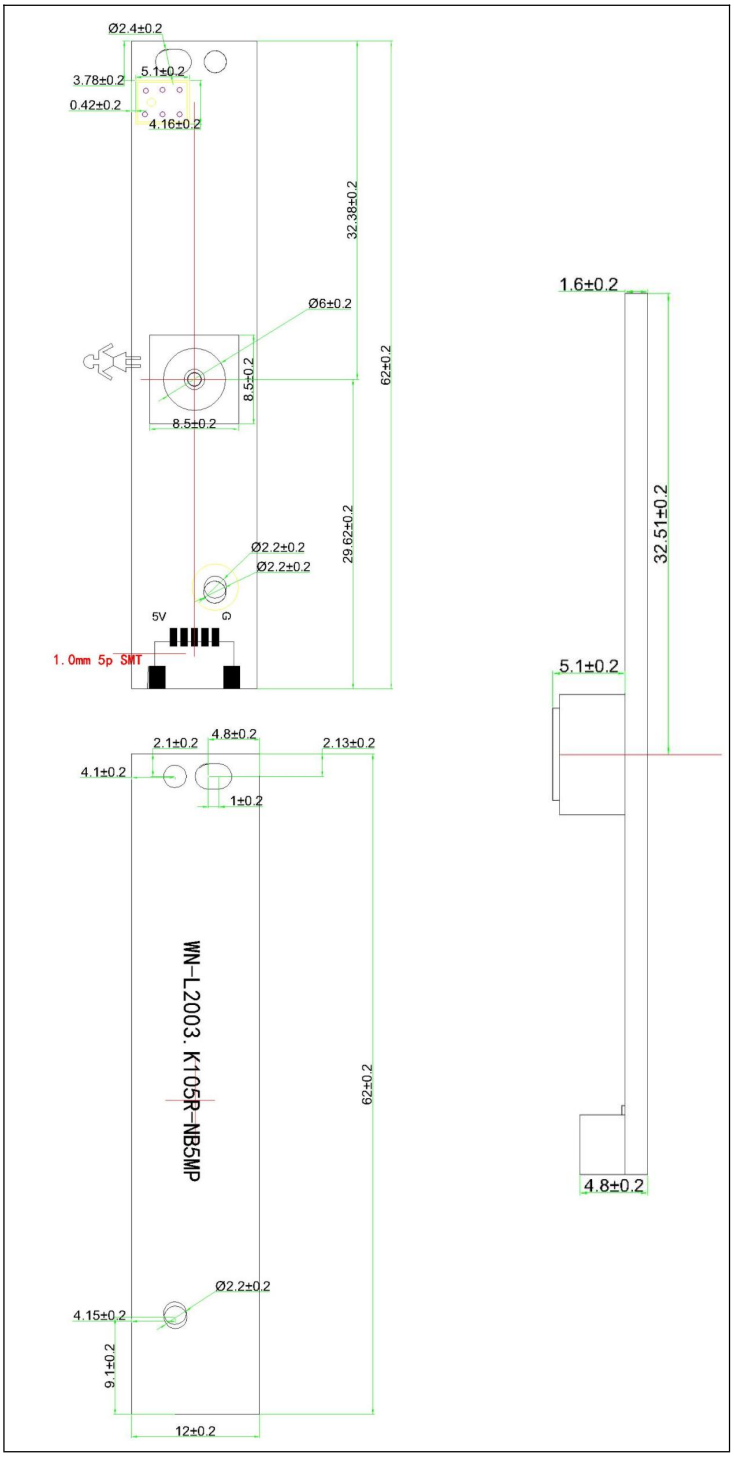
3. PIN Definitions

Pin No.	Signal Names	Descriptions
I	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	I40mA
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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