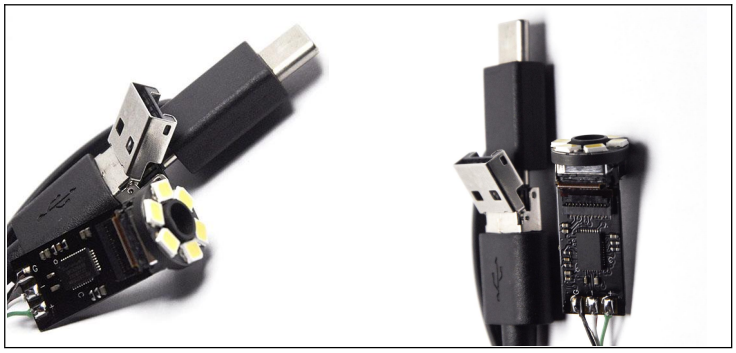
Weinan Electronics

5MP USB2.0 Camera Module Specifications



I. Main Parameters

Product Name	5MP USB2.0 Camera Module
Product Code	WN-N5693NK5MP
Module Size	Diameter: 12.6mm, PCB: 29*11mm
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°
LED	6PCS 0201 LEDs
Lens	EFL: 2.0mm, F/No. 2.4, 4P+IR 650nm
Focus Mode	Autofocus
Shutter Mode	Electronic Rolling Shutter
Dynamic Range	Up to 69dB
Output & Power Supply	High Speed USB2.0
Interface	6PIN Welding Spots
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
	2048x1536	30FPS
	1920x1080	30FPS
	1280x720	30FPS
	800x600	30FPS
	640x480	30FPS
YUY2	2952x1944	3FPS
	2048x1536	3FPS
	1920x1080	5FPS
	1280x720	10FPS
	640x48	30FPS

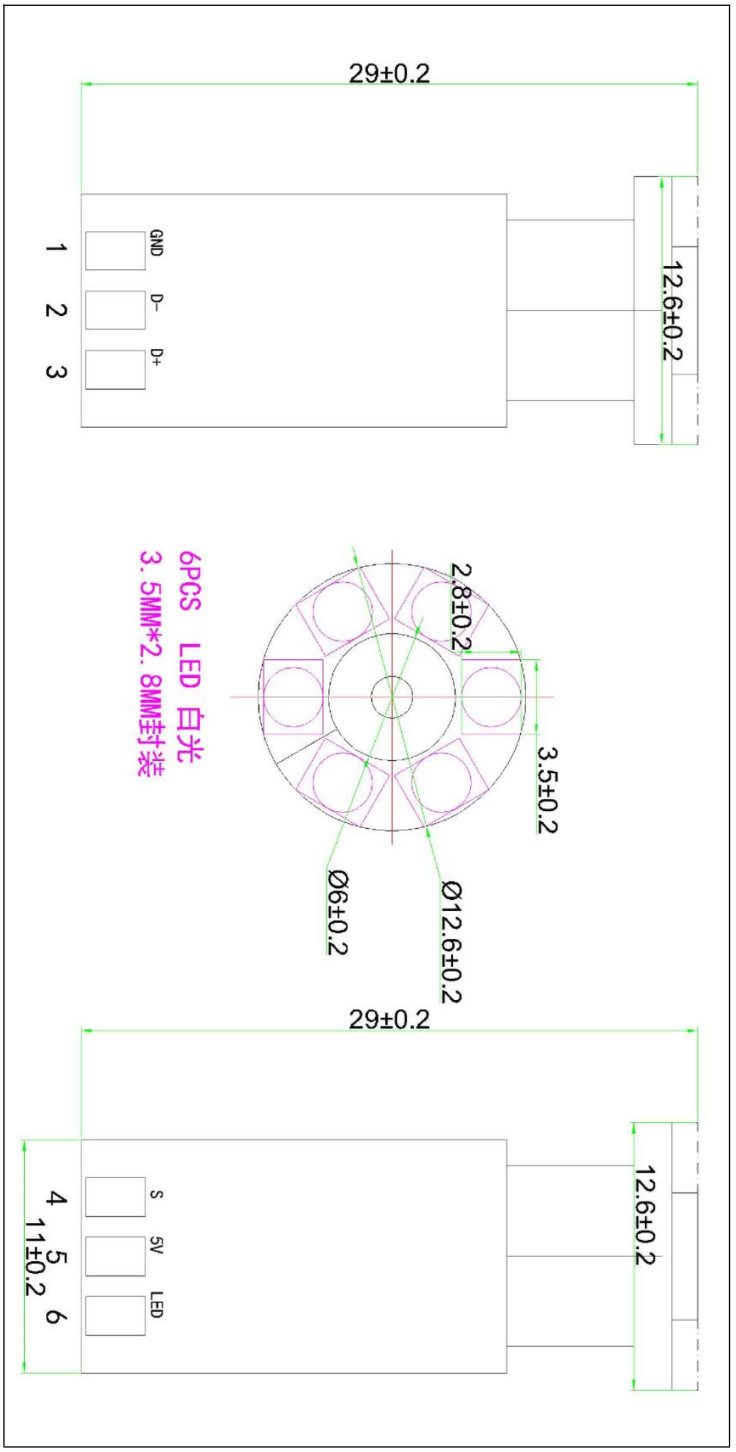
3. PIN Definitions

Pin No.	Signal Names	Descriptions
1	GND	Ground
2	DM	USB2.0 Data-
3	DP	USB2.0 Data+
4	S	Shot Key
5	VCC	DV 5V
6	LED	LED+

4. Working Conditions

Working Voltage	DC 5V
Working Current	140mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

5. Shape and Dimensions (Unit: mm)



Shenzhen Weinan Electronics Co.,Ltd.
Building 2, Baoke Industrial Park, Longhua, Shenzhen, Guangdong, China
Tel: +86 0755 27526467
E-mail: sales@weinanelectronics.com
https://www.weinanelectronics.com