Weinan Electronics

4MP 2K USB2.0 Camera Module Specifications

1. Main Parameters

Product Name	4MP 2K USB2.0 Camera Module
Product Code	WN-L2112.K314L FT-4MP
Module Size	PCB-30*15mm, FPC-81.7mm
Image Sensor	1/3.0-inch OV4689 CMOS Sensor
Max. Resolution	2688 H x 1520V, 2K(16:9)
Pixel Size	2μm*2μm
Output Format	MJPEG, YUY2
Field of View	75°
Focus Mode	Fixed Focus, Manual Focus
Shutter Mode	Electronic Rolling Shutter
Audio Input	No
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	2688*1520	60FPS
	1920*1080	120FPS
	1280*720	120FPS
	800*600	120FPS
	640*480	120FPS
	656*364	330FPS
	320*240	330FPS
YUY2	2688*1520	1FPS
	1920*1080	5FPS
	1280*720	10FPS
	800*600	10FPS
	640*480	30FPS
	656*364	30FPS
	320*240	30FPS

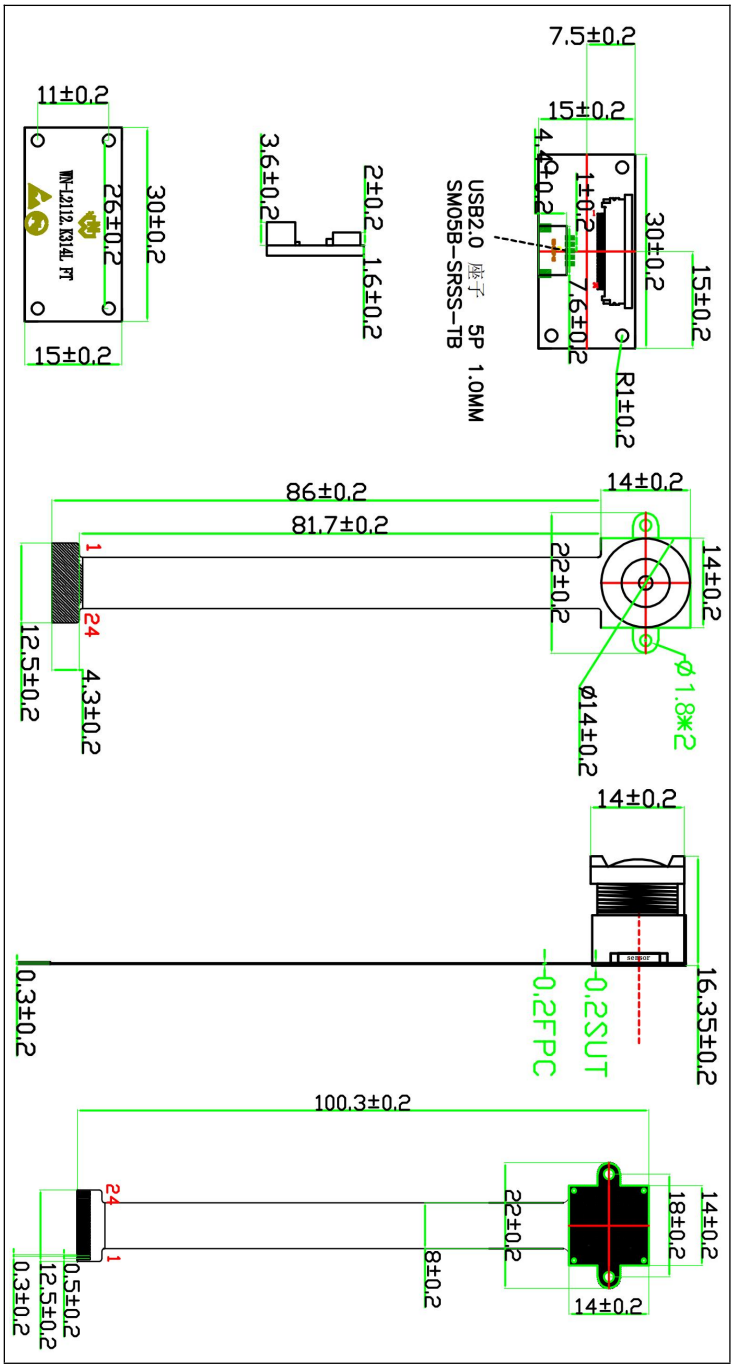
3. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	DC 5V Power
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	190mA
Working Temperature	-15°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