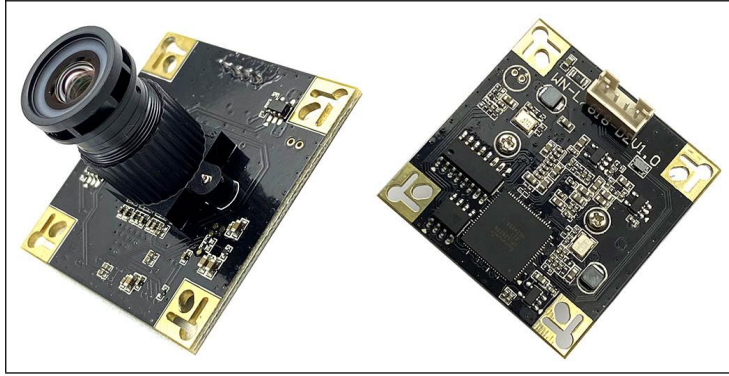


2MP USB2.0 Camera Module Datasheet



1. Main Parameters

Product Name	2MP USB2.0 Camera Module
Product Code	WN-L7818-DZV1.0
Module Size	22.6*22.6mm
Image Sensor	1/2.8-Inch IMX291 CMOS Sensor
Max. Resolution	1920 H x 1080 V
Frame Rate	30FPS
Pixel Size	2.9*2.9μm
Output Format	MJPEG, YUY2
Field of View	98°
Lens	F:2.0mm, F/NO:2.0, 4G+650IR
Image Color	Color
Audio Input	No
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Output & Power Supply	High Speed USB2.0
Interface	4PIN 2.0mm 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	1920x1080 (1080P)	30FPS
	1280x720 (720P)	30FPS
	640x480 (VGA)	30FPS
YUY2	1920x1080 (1080P)	5FPS
	1280x720 (720P)	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

4. Working Conditions

Working Voltage	DC 5V
Working Current	190mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

5. Shape and Dimensions (Unit: mm)

