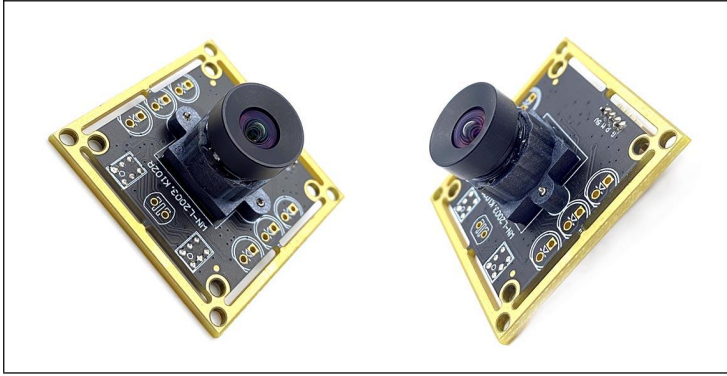


## HDR 1080P USB2.0 Camera Module Datasheet



### 1. Main Parameters

Product Name	HDR 1080P USB2.0 Camera Module
Product Code	WN-L2003.K102R
Module Size	38*38mm & 32*32mm
Image Sensor	1/2.7-Inch PS5268 CMOS Sensor
Max. Resolution	1920 H x 1080 V
Frame Rate	30FPS
Pixel Size	3.0*3.0 μm
Output Format	MJPEG, YUY2
Field of View	90°
Lens	FEL:3.0mm, F/NO:2.5, 2G2P+HR 650nm
Dynamic Range	Up to 85dB
Audio Input	Digital Microphone
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Output & Power Supply	High Speed USB2.0
Interface	4PIN 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	1920 x 1080 (1080P)	30FPS
	1280 x 720 (720P)	30FPS
	640 x 480 (VGA)	30FPS
YUY2	1920 x 1080 (1080P)	5FPS
	1280 x 720 (720P)	10FPS
	640*480(WVGA)	30FPS

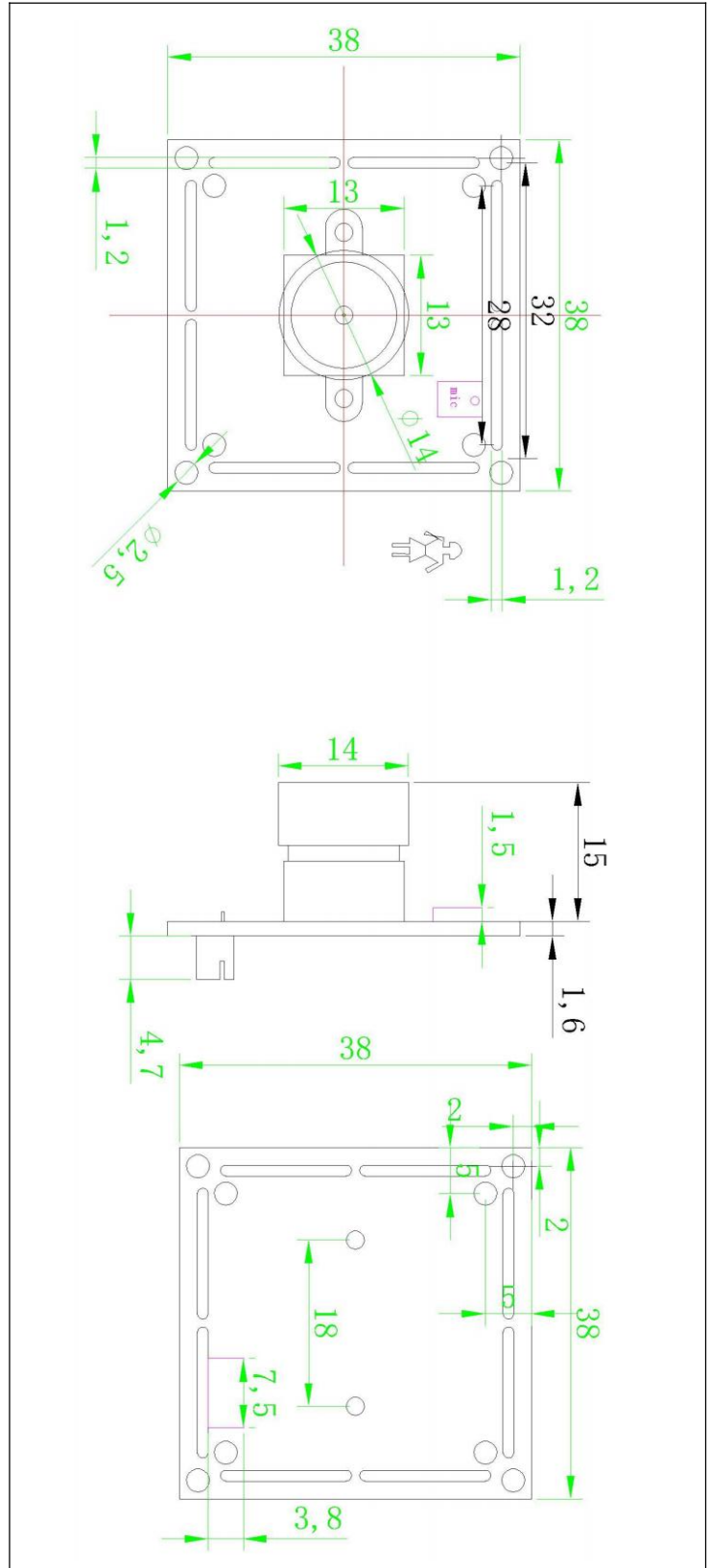
### 3. PIN Definitions

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	130mA
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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