

2MP USB2.0 Camera Module Datasheet



1. Main Parameters

Product Name	2MP USB2.0 Camera Module
Product Code	WN-L187.K35A
Module Size	62*12mm
Image Sensor	1/2.7-Inch JX-F22 CMOS Sensor
Max. Resolution	1920 H x 1080 V
Frame Rate	30FPS
Pixel Size	3.0*3.0 μ m
Output Format	MJPEG, YUY2
Field of View	100°
Lens	EFL: 2.4mm, F/NO:2.2, 2G2P+650IR
Dynamic Range	Up to 69.5dB
Audio Input	Digital Microphone
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
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	1920 x 1080	30FPS
	1280 x 720	30FPS
	800 x 600	30FPS
	640 x 480	30FPS
YUY2	1920 x 1080	5FPS
	1280 x 720	10FPS
	800 x 600	20FPS
	640 x 480	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
5	GND	Ground

4. Working Conditions

Working Voltage	DC 5V
Working Current	160mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

5. Shape and Dimensions (Unit: mm)

