

## I3MP USB3.0 Camera Module Specifications



### I. Main Parameters

Product Name	I3MP USB3.0 Camera Module
Product Code	WN-L2306K360MB-258I3M U3
Module Size	PCB: 40*29mm FPC: 162.44mm
Image Sensor	1/3.06-inch IMX258 CMOS Sensor
Max. Resolution	4208 H x 3120V I3MP, 3840 H x 2160 V 4K
Pixel Size	1.12*1.12μm
Output Format	MJPEG, YUY2, H.264
Field of View	79°
Lens	EFL: 3.79mm, F/No: 2.0, 5P+IR 650nm
Audio Input	Digital Microphone
Focus Mode	Autofocus
Shutter Mode	Electronic Rolling Shutter
Output & Power Supply	High Speed USB3.0
Interface	USB3.0 Type-C
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 1.5 Meter USB Cable

### 2. Supported Resolutions and Frame Rates

Formats	Resolutions	Frame Rates
MJPEG	4208 x 3210	15FPS
	3840 x 2160	30FPS
	2952 x 1944	30FPS
	2048 x 1536	30FPS
	1920 x 1080	30FPS
	1600 x 1200	30FPS
	1280 x 960	30FPS
	1280 x 720	30FPS
	800 x 600	30FPS
YUY2	4208 x 3210	8FPS
	3840 x 2160	15FPS
	2952 x 1944	30FPS
	2048 x 1536	30FPS
	1920 x 1080	30FPS
	1280 x 960	30FPS

	1280 x 720	30FPS
	800 x 600	30FPS
	640 x 480	30FPS
H.264	1920 x 1080	30FPS
	1600 x 1200	30FPS
	1280 x 960	30FPS
	1280 x 720	30FPS
	800 x 600	30FPS
	640 x 480	30FPS

### 3. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	5V Power
2	DP	Data-
3	DM	Data+
4	GND	GND
5	SSPXNI	USB3.0 SSPXNI
6	SSPXPI	USB3.0 SSPXPI
7	GND	GND
8	SSTXNI	USB3.0 SSTXNI
9	SSTXPI	USB3.0 SSTXPI

### 4. Working Conditions

Working Voltage	DC 5V
Working Current	480mA
Working Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	80 ~85%

### 5. Shape and Dimensions (Unit: mm)

