

# 8 Megapixels USB Camera

FIT0729

## Product Overview

07-21-2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot 8 Megapixels USB Camera (with Microphone) is an 8000K pixels driver-free camera with up to 3264x2448 resolution. This camera is based on the Sony IMX179 CMOS sensor. The 8 Megapixels USB camera is compatible with multiple systems like Windows, iOS, Android, and Linux.

This camera module comes with a digital microphone that captures the sound of 5 meters around the camera while recording the video. The USB port design makes it easier to use with a Raspberry Pi and Jetson Nano mainboard. The USB camera can be embedded into various devices and is perfect for high-quality video systems, biometrics recognition, industrial photography, and HD monitoring.



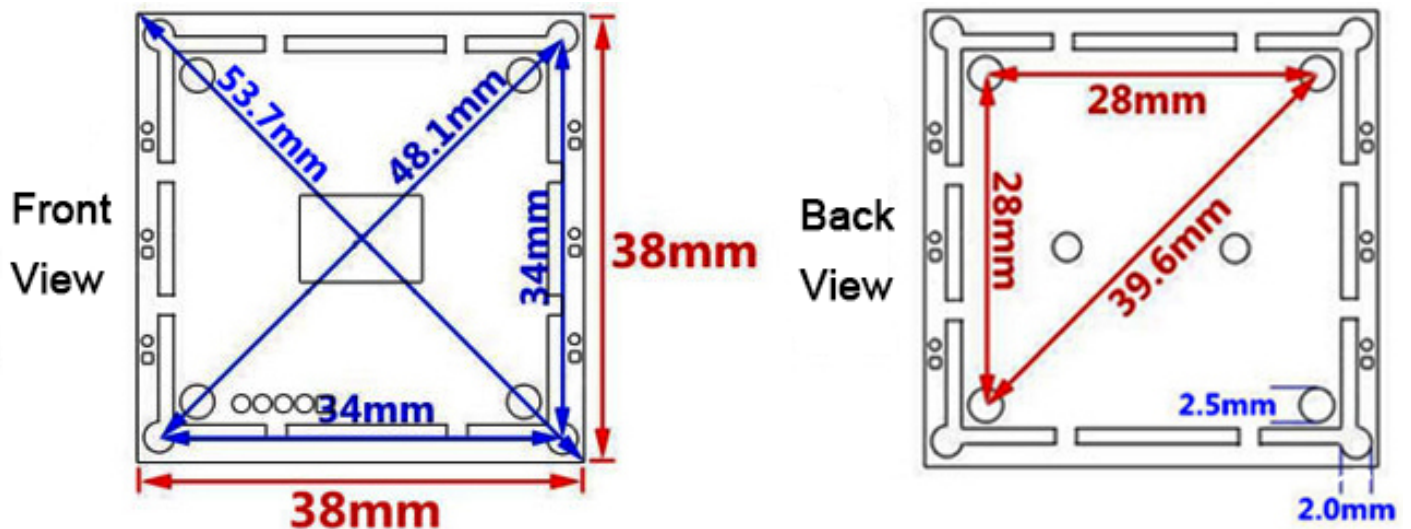
## Features

- CMOS photosensitive element
- Sony IMX179 sensor
- 1/3.2inch lens size
- 1.4 $\mu$ m pixel dimension
- 6.18mm x 5.85mm image area
- 3264(H) x 2448(V) 8-megapixel max effective resolution
- JPEG image output format
- 34dBS/N ratio
- 72.5dB dynamic range
- 0.65V/lux-sec@550nm sensitivity
- 0.5lux mini illumination
- Electronic rolling shutter/frame exposure shutter type
- USB2.0 high-speed interface type
- High-speed photographic apparatus camera, distortionless, size of 1/3.2, auto-focus, and 75-degree camera parameter
- USB Video Class (UVC) driver-free protocol
- USB2.0 OTG OTG protocol
- AEC/AEB/AGC support
- Support photo taking by pressing the button
- Brightness, contrast, saturation, hue, sharpness, gamma, gain, white balance, backlight contrast, exposure adjustable parameter

## Specifications

- 4P-2.0 socket full power supply port
- USB BUS POWER 4P-2.0mm socket power supply
- 5VDC operating voltage
- 160mA to 260mA operating current range
- -10°C to 70°C operating temperature
- -20°C to 85°C storage temperature
- 38mm x 38mm/1.50" x 1.50" dimensions
- Supported resolution and frame rate:
  - 3264 x 2448@15fps/2592 x 1944@15fps
  - 1920 x 1080@30fps/1600 x 1200@30fps
  - 1280 x 720@30fps/960 x 540@30fps
  - 800 x 600@30fps/640 x 480@30fpst
- OS supported:
  - WinXP/Vista/Win7/Win8
  - Linux with UVC (above Linux-2.6.26)
  - MAC-OS X 10.4.8 or later
  - Wince with UVC
  - Android 4.0 or above with UVC

## Camera Dimensions



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-8-megapixels-usb-camera/>