2MP USB Night Camera (with Microphone)

FIT0730

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot 2 Megapixels USB Night Camera (with Microphone) is a driver-free night camera with up to 1920x1080 resolution. The camera is based on the Sony IMX291 sensor and is equipped with features like manual focus, interchangeable lens, plug, and play, for HD photos and video even in low light conditions.

This USB night camera is compatible with operating systems like Windows®, iOS, Android, and Linux. The camera module includes a digital microphone that captures the sound of 5 meters around the camera.

Features

- CMOS photosensitive element
- Sony IMX291 sensor
- 1/2.8" lens size
- 2.9µm x 2.9µm pixel size
- 1cm to infinity image distance
- 1920(H) x 1080(V) 2MP max effective pixels
- MJPG/YUY2 image output format
- Supported resolution and frame rate:
    - MJPG: 1920X1080 at 30fps/YUY2: 1920X1080 at 5fps
    - MJPG: 1920X480 at 30fps/YUY2: 1920X480 at 10fps
    - MJPG: 1280X720 at 30fps/YUY2: 1280X720 at 10fps
    - MJPG: 1280X480 at 30fps/YUY2: 1280X480 at 10fps
    - MJPG: 640X480 at 30fps /YUY2: 640X480 at 10fps
    - SMT (ROSH) manufacturing
- USB2.0 high speed (4Pin-2.0mm connector) interface
- Adjustable focus, manual focus, or fixed focus
- 0.0001 Lux minimum illumination
- USB Video Class (UVC) driver-free protocol
- AEC/AEB/AGC support

Features

- Brightness, contrast, saturation, hue, sharpness, gamma, gain, white balance, backlight contrast, exposure adjustable parameters
- USB BUS POWER 4P-2.0mm socket power supply
- DC 5V operating voltage
- 160mA (VGA) operating current
- -20°C to 70°C operating temperature
- Size 1/2.8", 1.8mm, 2.1mm, 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm optional lens
- 38mm x 38mm/1.50" x 1.50" dimension
- WinXP/Vista/Win7/Win8 support OS:
  - 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

Mouser Part Number

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To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-2-megapixels-usb-night-camera/