

Delock USB 2.0 Camera Module with HDR 2.1 mega pixel 84° V6 fix focus

Description

This USB 2.0 camera module by Delock offers in a compact construction a high resolution and low power consumption. It is ideally suited for installation in industrial components like IPCs, embedded systems, sensors and in device manufacture. The use of a photosensitive sensor with back side illumination (BSI) expands the scope of this module.



HDR - High Dynamic Range

Allows to increase the overall dynamic range to ensure more detailed images in scenes with bright and dark areas.

Item no. 12069

EAN: 4043619120697

Country of origin: China

Package: Retail Box

Specification

- Connector: 1 x 4 pin USB 2.0 pin header female SMT, pitch 1.5 mm
- Resolution: 2.1 megapixel
- Sensor: PS4231
- With optical IR filter
- Maximum resolution: 1080p @ 30 fps (1920 x 1080)
- Image sensor processor functions:
 - Automatic black-level calibration (ABLC)
 - Embedded Local Tone Mapping
 - Black sun cancellation by CMOS sensors
- Current consumption: ca. 100 mA
- Operating voltage: 5 V DC
- Operating temperature: -10 °C ~ 70 °C
- Operating humidity: ≤ 80 %
- Sensor size: 1/2.7"
- Sensitivity: 5.8 V / lx s
- Signal-to-noise ratio (SNR): ca. 41 dB
- Dynamic range: 85 dB
- Fix focus: 0.3 m - infinite
- Aperture: F/3.2

- Lens thread: M12
- Frame rates: all resolutions MJPG 30 fps
- Dimensions (LxWxH): ca. 38.0 x 38.0 x 22.3 mm

System requirements

- Device with UVC support
- Windows 10/10-64/11
- DirectX 9.0c or above
- Linux Kernel 2.6.15 and above with Video4Linux

Package content

- Camera Module

Images



General

Supported operating system:	Linux Kernel 2.6.15 and above Windows 10 32-bit Windows 10 64-bit Windows 11
Operating system requirement:	Windows DirectX from 9.0c Linux with Video4Linux

Interface

connector:	1 x 4 pin USB 2.0 pin header female SMT, pitch 1.5 mm
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Technical characteristics

Operating voltage:	5 V DC
Operating temperature:	-10 °C ~ 70 °C
Maximum screen resolution:	1080p
Sensor Size:	1/2.7"
Current consumption:	100 mA

Physical characteristics

Length:	38.0 mm
Width:	38.0 mm
Height:	22.3 mm