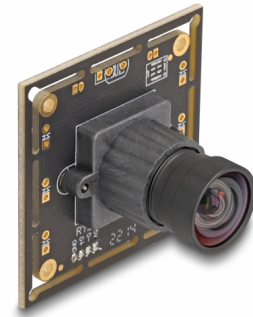


# Delock USB 2.0 Camera Module with HDR 2.1 mega pixel 84° V6 fix focus

## 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

## Technical details

- 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
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## 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
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## Package content

- Camera Module
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## 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