

# Delock USB 2.0 Camera Module with HDR 8.3 mega pixel IMX415 Sony® Starvis™ 81 ° 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. 12073**

EAN: 4043619120734

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: 8.3 megapixel
- Sensor: IMX415 Sony® Starvis™
- With optical IR filter
- Maximum resolution: UHD @ 30 fps (3840 x 2160)
- Current consumption: ca. 100 mA
- Operating voltage: 5 V DC
- Operating temperature: -10 °C ~ 70 °C
- Operating humidity: ≤ 80 %
- Sensor size: 1/2.8"
- Sensitivity: 1.2 V / lx s
- Signal-to-noise ratio (SNR): ca. 41 dB
- Dynamic range: 72 dB
- Fix focus: 0.3 m - infinite
- Aperture: F/2.7
- 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

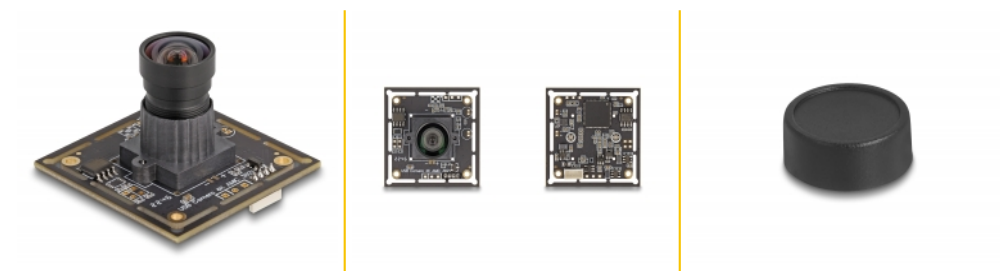
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## Package content

- Camera Module

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## Images



## General

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

## Interface

|            |                                                        |
|------------|--------------------------------------------------------|
| connector: | 1 x 4 pin USB 2.0 pin header female SMT , pitch 1.5 mm |
|------------|--------------------------------------------------------|

## Technical characteristics

|                            |                |
|----------------------------|----------------|
| Operating voltage:         | 5 V DC         |
| Operating temperature:     | -10 °C ~ 70 °C |
| Maximum screen resolution: | 1080p          |
| Sensor Size:               | 1/2.8"         |
| Current consumption:       | 100 mA         |

## Physical characteristics

|         |         |
|---------|---------|
| Length: | 38.0 mm |
| Width:  | 38.0 mm |
| Height: | 22.3 mm |