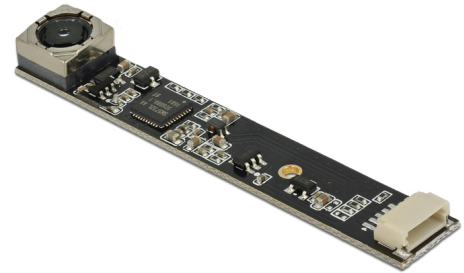


# Delock USB 2.0 Camera Module 5.04 mega pixel 62° vertical edge auto focus

## Description

The USB 2.0 camera module by Delock offers a very compact design, high resolution and low power consumption. It is ideally suited for integration into devices. The use of a photosensitive sensor with back side illumination expands the scope of this module.



**Item no. 96381**

EAN: 4043619963812

Country of origin: China

Package:

## Specification

- Connector: USB 2.0 5 pin SMT female SMT, 1 mm pitch
- Resolution: 5.04 mega pixel
- With optical IR filter
- Standard SCCB interface (I<sup>2</sup>C Bus)
- Output support for RAW RGB, RGB565/555/444, CCIR656, YUV422/420, YCbCr422 and compression
- Maximum resolution: QXGA (2592 x 1944)
- Automatic image control functions including
  - Automatic exposure control (AEC)
  - Automatic white balance (AWB)
  - Automatic band filter (ABF)
  - Automatic black-level calibration (ABLC)

- Image quality controls including colour saturation, gamma, sharpness (edge enhancement), lens correction, white pixel canceling, noise canceling, and automatic 50/60 Hz luminance detection
- Supports scaling
- Power consumption:  
Sensor suspend: 90 mA  
Sensor active: 140 mA  $\pm$  5 mA @ 640 x 480 pixel
- Operating voltage: 5 V DC
- Operating temperature: 5 °C ~ 50 °C
- Relative humidity during operation: max. 80 %
- Sensor size: 1/4 inch
- Sensitivity: 0.6 V (lx s)
- Signal to noise ratio: 36 dB
- Dynamic range: 68 dB
- Auto focus: from 0.1 m
- Lens: F/2.8
- Frame rates:  
30 fps @ HVGA, VGA, XGA, 720p, QVGA  
15 fps @ UXGA, 1080p, QXGA  
7 fps @ 2592 x 1944
- Dimension (LxWxH): ca. 60 x 8 x 6.3 mm

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## System requirements

- Windows 7/8.1/10
  - MS DirectX 9.0c and above
  - Linux 2.6.15 and above with Video4Linux
  - CPU minimum P4 1.4 GHz, 128 MB RAM
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## Package content

- Camera module

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## Images



## General

Supported operating system:	Linux Kernel 2.6 or above Windows 10 32-Bit Windows 10 64-Bit Windows 7 32-Bit Windows 7 64-Bit Windows 8 32-bit Windows 8 64-bit Windows 8.1 32-Bit Windows 8.1 64-Bit Windows Vista 32-bit Windows Vista 64-bit
Operating system requirement:	Windows DirectX from 9.0c Linux with Video4Linux

## Interface

connector:	1 x WTB ACES 87214 – 0500 plug
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## Technical characteristics

Operating voltage:	5 V
Operating temperature:	0 °C ~ 50 °C
Maximum screen resolution:	2592 x 1944 @ 7 fps
Sensor Size:	1/4"
Current consumption:	430 mA @ 640 x 480

## Physical characteristics

Length:	60 mm
Width:	8.0 mm
Height:	6.3 mm