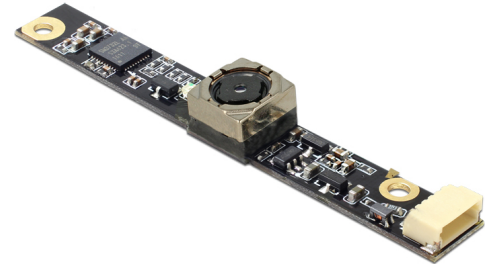# Delock USB 2.0 Camera Module 5.04 mega pixel 62° auto focus

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.

Item no. 96000

EAN: 4043619960002

Country of origin: China

Package: Zip poly bag

Technical details

- Connector: 1 x 5 pin USB 2.0 pin header female SMT, pitch 1.00 mm
- Resolution: 5.04 megapixel
- With optical IR filter
- Standard SCCB interface (I²C Bus)
- Output support for RAW RGB, RGB565/555/444, CCIR656, YUV422/420, YCbCr422 and compression
- Maximum resolution: QSXGA (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 ± 5 mA @ 640 x 480 Pixel

- Operating voltage: 5 V DC
- Operating temperature: 5 °C ~ 40 °C
- Operating humidity: 20 ~ 80 %
- Sensor size: 1/4"
- Sensitivity: 0.6 V / lx s
- Signal-to-noise ratio (SNR): ca. 36 dB
- Dynamic range: 68 dB
- Auto focus
- Aperture: F/2.8
- Frame rates:
  30 fps @ HVGA, VGA, XGA, 720p, QVGA
  15 fps @ UXGA, 1080p, QXGA, QSXGA
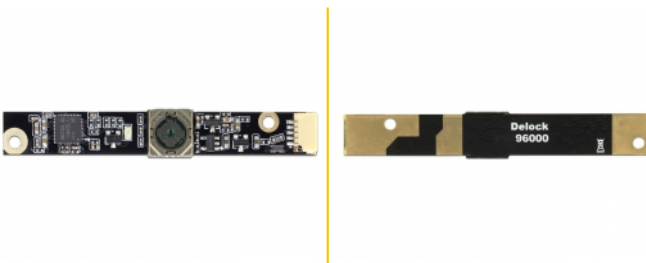- Dimensions (LxWxH): ca. 60 x 8 x 5.8 mm

System requirements

- Windows XP(SP2)/Vista/7/8.1
- DirectX 9.0c or above
- Linux Kernel 2.6.15 and above with Video4Linux
- Minimum CPU P4 1.4 GHz, 128 MB RAM

Package content

- Camera Module
- CD with user manual

Images

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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

Technical characteristics

Operating temperature:	0 °C ~ 50 °C
Maximum screen resolution:	2592 x 1944 @ 15 Hz
Sensor Size:	1/4"
Current consumption:	140 mA @ 640 x 480

Physical characteristics

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

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