

Delock USB 2.0 Camera Module 3.14 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. 95999

EAN: 4043619959990 Country of origin: China Package: Zip poly bag

Specification

- Connector: 1 x 5 pin USB 2.0 pin header female SMT, pitch 1.00 mm
- Resolution: 3.14 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: QXGA (2048 x 1536)
- · 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

DATASHEET



• Operating voltage: 5 V DC

• Operating temperature: 5 °C ~ 40 °C

• Operating humidity: 20 ~ 80 %

• Sensor size: 1/4"

• Sensitivity: 0.6 V / Ix 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

• Dimensions (LxWxH): ca. 60 x 8 x 5.8 mm

System requirements

- PC with UVC support
- Windows Vista/7/8.1/10/10-64
- 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

