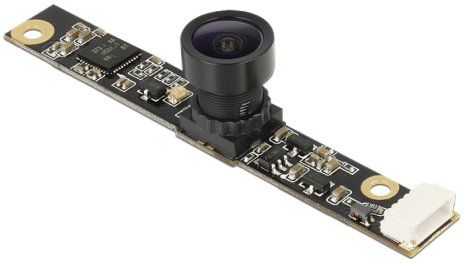
Delock USB 2.0 IR Camera Module 3.14 mega pixel 80° V5 fix focus

Description

The Delock USB 2.0 camera module offers in compact construction low power consumption as well as high resolution. It is ideal for installation in industry components like IPCs, embedded systems, sensors, notebooks, smartphones, tablets or instrument manufacture. You can perform with suitable IR lighting shots in the dark.The use of a photosensitive sensor with back side illumination (BSI) expands the scope of this module.



Item no. 95979

EAN: 4043619959792

Country of origin: China

Package:

Specification

- Connector: USB 2.0 5 pin jack SMT, 1 mm pitch
- Resolutiob: 3.14 Mega Pixel
- Without optical IR filter
- Standard SCCB interface (I^2C 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: 430 mA ± 5 mA @ 640 x 480 pixel

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- 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
- Fix focus: 0.3 m ~ infinite
- Lens: F/2.5
- Frame rates:
  30 fps @ HVGA, VGA, XGA, 720p, QVGA
  15 fps @ UXGA, 1080p, QXGA
- Dimension (LxWxH): ca. 60 x 8 x 13 mm

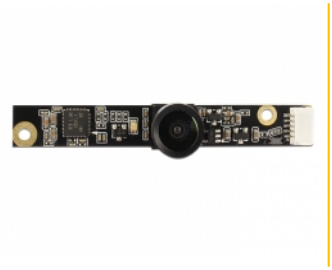
System requirements

- PC with UVC support
- Windows Vista/ 7/ 8/ 10
- DirectX 9.0c and above
- Linux 2.6.15 and above with Video4Linux
- Minimum CPU P4 1.4 GHz, 512 MB RAM

Package content

- Camera module
- CD ROM with user manual

Images



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