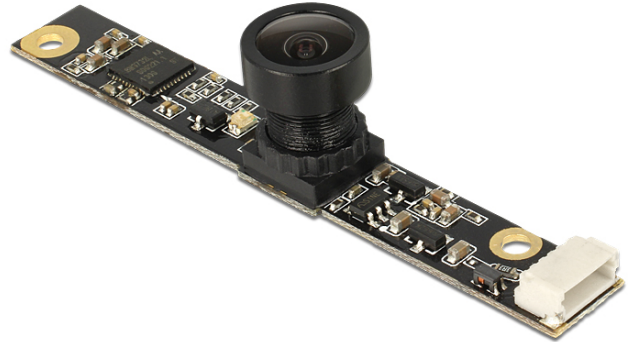


USB 2.0 Camera Module 3.14 mega pixel 80° V5 fix focus

Description

This USB 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 or instrument manufacture. The use of a photosensitive sensor with back side illumination (BSI) expands the scope of this module.



Specification

- Connector: USB 2.0 5 pin jack SMT, 1 mm pitch
- Resolution: 3.14 Mega Pixel
- 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: 430 mA ± 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
- Fix focus: 0.3 m ~ infinite
- Lens: F/2.8
- 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

Details

Country of origin: China

Package:



Images

