

Delock USB 2.0 Camera Module 5.04 mega pixel 55° 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. The use of a photosensitive sensor with back side illumination (BSI) expands the scope of this module.



Item no. 96370

EAN: 4043619963706

Country of origin: China

Package:

Specification

- Connector: USB 2.0 5 pin jack SMT, 1 mm pitch
- Resolution: 5.04 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: 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 ~ 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/3.0
- 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 12 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



General

Supported operating system:	Linux Kernel 2.6.15 and 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:	USB 2.0
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Technical characteristics

Operating voltage:	5 V
Operating temperature:	5 °C ~ 50 °C
Maximum screen resolution:	2592 x 1944 @ 7 fps
Minimum screen resolution:	160 x 144 @ 30 fps
Sensor Size:	1/4"
Current consumption:	140 mA @ 640 x 480

Physical characteristics

Length:	60 mm
Width:	8 mm
Height:	13 mm