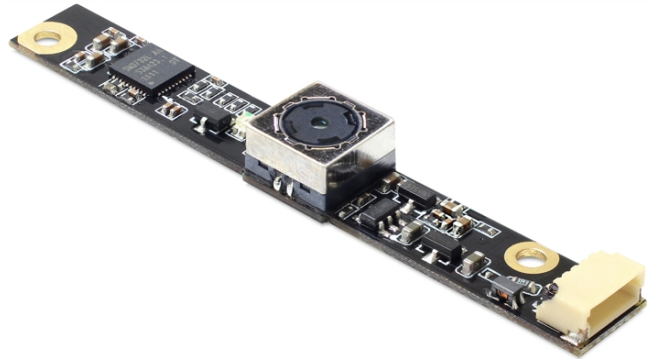


USB 2.0 Camera Module 3.14 Megapixel 62° Auto Focus

Description

The USB 2.0 camera module offers a very compact design, high resolution and low power consumption. It is ideally suited for integration into your projects. The use of a photosensitive sensor with backside illumination (BSI) expands the scope of this module.



Specification

- USB 2.0 high speed
- 3.14 Mega Pixel
- Standard SCCB interface (I²C Bus)
- Output support for RAW RGB, RGB565/555/444, CCIR656, YUV422/420, YCbCr422 and compression
- Supports resolutions: QXGA (2048 x 1536)
- Different fully-automated shutter priority:
 - 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 autom. 50/60 Hz luminance detection
- Supports scaling
- Power consumption: suspend: 90 mA
active: 430 mA $\pm$ 5 mA @ 640x480
- Low operating voltage 5 V
- Operating temperature: 5 ~ 40 °C
- Relative humidity during operation: max. 20 – 80 %
- Lense dimension: 1/4 inch
- Sensitivity: 0.6 V (Lux. sec)
- Signal-to-noise ratio: 36 dB
- Dynamic range: 68 dB
- Auto focus
- Lense: F/2.8
- Frame rates: 30fps@HVGA, VGA, XGA, 720p, QVGA
15fps@UXGA, 1080p, QXGA
- Dimension: 60 x 8 x 5.8 mm (L/W/H)

System requirements

- PC with UVC support
- Win Vista/ 7/ 8,
- MS DirectX 9.0c and above
- Linux 2.6.15 and above with Video4Linux
- Minimum P4 1.4 GHz, 128 MB RAM

Details

Country of origin: China

Package: Poly bag



Images

