USB 2.0 Camera Module with Global Shutter black / white 0.92 mega pixel 65° 6 IR LED V6 fix 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.
A built-in light sensor turns on 6 IR LEDs (Infrared) for object illumination when the light is dim.

Global shutter

The module has a global shutter. This makes it predestined for images of fast moving objects.



Item no. 96412

EAN: 4043619964123

Country of origin: China

Package: Box

Technical details

- Connector: 1 x 4 pin USB 2.0 pin header female SMT, pitch 1.5 mm
- Pin assignment:
  pin 1 - GND
  pin 2 - USB D+
  pin 3 - USB D-
  pin 4 - VCC
- Resolution: 0.92 megapixel
- Without optical IR filter
- Maximum resolution: 1280 x 720
- 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 gamma, sharpness (edge enhancement), lens correction, white pixel canceling, noise canceling, and automatic 50 / 60 Hz luminance detection
- Current consumption:
  sensor active: 140 mA ± 5 mA @ 1280 x 720
- Operating voltage: 5 V DC
- Operating temperature: 0 °C ~ 50 °C
- Operating humidity: 0 ~ 80 %
- Sensor size: 1/2.7"
- Fix focus: 0.5 m - infinite

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- Aperture: F/2,5
- Frame rates: 120 fps @ 1280 x 720 - 160 x 120
- Dimensions (LxWxH): ca. 38 x 38 x 18 mm

System requirements

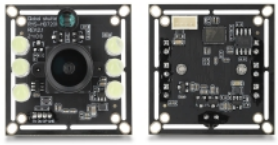
- Android 15.0 or above
- Linux Kernel 6.11 or above
- Mac OS 15.3.2 or above
- Windows 10/10-64/11
- DirectX 9.0c or above

Package content

- Camera Module

Images





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General

Supported operating system:	Windows 10 32-Bit Windows 10 64-Bit Windows 11 Android 15.0 or above Linux Kernel 6.11 or above Mac OS 15.3.2 or above

Interface

Connector:	1 x WTB 1.5 mm Pitch

Technical characteristics

Operating voltage:	5 V DC
Operating temperature:	0 °C ~ 50 °C
Maximum screen resolution:	1280 x 720
Minimum screen resolution:	640 x 480
Sensor size:	1/2.7"
Fix focus:	0.5 m - infinite

Physical characteristics

Length:	38 mm
Width:	38 mm
Height:	18 mm

Manufacturer information

Street	Beeskowdamm 13/15
Postal code	14167
City	Berlin
Country	Deutschland
E-Mail	info@delock.de
Website	www.delock.de

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