USB 2.0 Camera Module with Wide Dynamic Range 1.92 mega pixel 120° 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.

WDR - Wide Dynamic Range
It allows the adjustment of the brightest and darkest parts of the image to improve the quality of the still image.



Item no. 96411

EAN: 4043619964116

Country of origin: China

Package: White 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: 1.92 megapixel
- With optical IR filter
- Maximum resolution: 1920 x 1080
- 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
- Current consumption:
  sensor active: 160 mA ± 5 mA @ 1920 x 1080
- Operating voltage: 5 V DC
- Operating temperature: 5 °C ~ 50 °C
- Operating humidity: 0 ~ 80 %
- Sensor size: 1/2.7"
- Fix focus: 50 cm - infinite

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- Aperture: F/2.0
- Frame rates:
  30 fps @ 1820 x 1080
  30 fps @ 1280 x 720
  30 fps @ 800 x 600
  30 fps @ 640 x 480
  30 fps @ 320 x 240
- Dimensions (LxWxH): ca. 38 x 38 x 25 mm

System requirements

- PC with UVC support
- Android 4.4 or above
- Linux Kernel 2.6.15 and above with Video4Linux
- Mac OS 10.5 or above
- Windows 8.1/8.1-64/10/10-64/11
- 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:	1920 x 1080 @ 30 Hz
Minimum screen resolution:	160 x 120 @ 30 Hz
Sensor size:	1/2.7"
Fix focus:	0.5 m - infinite

Physical characteristics

Length:	38 mm
Width:	38 mm
Height:	25 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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