Item no.: 384219

EB5685 - NoIR camera module - Raspberry Pi camera V2

from **32,54 EUR**

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shipping weight: 0.10 kg
Manufacturer: Raspberry Pi Foundation

Product Description

NoIR camera module V2 for Raspberry Pi (IR version - "night vision" model without IR filter)This HD camera extension for the Raspberry Pi can be used on all* CSI-capable models of the Pi board. This enables HD videos and high-resolution photos directly on the RasPi.The small camera module is equipped with an (IMX219PQ) image sensor from Sony, which enables video and photo recordings with very high speed and light sensitivity.The Raspberry Pi camera module reduces image noise, a fly screen effect or blurring in the image. Furthermore, the extension has automatic control functions, e.g. for exposure, white balance and light intensity detection.* for RPi Zero an optionally available, narrower Mini CSI adapter cable is required!Features and details of the PiCam module:- high-quality image sensor for photo and (HD) video- 8 megapixel resolution with fixed focus- offers 1080p (FullHD resolution), 720p60 and VGA90 mode- Sony IMX219PQ CMOS image sensor- 15-pin ribbon cable already includedEasy mounting of the camera module on the Raspberry Pi:The 15cm long ribbon cable is plugged into the CSI port of the Pi camera and the Raspberry Pi. It is operated via the MMAL (Multi-Media Abstraction Layer) or the V4L API (Video for Linux).Alternatively, many libraries such as Picamera Python are already available online and very well documented.Typical applications:The camera module is particularly suitable for applications in the field of botany, pet and wildlife observation, and especially in security areas (alarm and access control).Noir Camera V2 for Raspberry Pi (IR version)- Number of channels 1- Interface CSI-2- Max. resolution 3280 x 2464 pixels- Max. frame rate 30fps- Dimensions 23.86 x 25 x 9mm- Length/width/height 23.86mm/25mm/9mm- operating temperature min/max -20/+60°CScope of delivery:- Raspberry Pi camera module- flat ribbon data cable Please note that this is the model WITHOUT integrated infrared filter. This allows IR light to reach the image sensor unfiltered and thus enables "night vision functions". However, the appropriate "lighting" is still required for this.This can be realised using IR spotlights or LED lights. The emitted light is not visible to the human eye, but is recognised by the camera optics and shown on monitors or displays. However, the resolution and colour reproduction is very reduced and depends on the lighting, environment and image output. The camera module is supplied without a Raspberry Pi board, software, housing or other accessories!

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability