Item no.: 384224

EB7291 - Raspberry Pi 12 MP HQ camera

from **64,84 EUR**

Item no.: 384224
shipping weight: 0.10 kg
Manufacturer: Raspberry Pi Foundation

Product Description

The official Raspberry Pi High Quality Hamera is the latest camera accessory from and for the Raspberry Pi.It offers a higher resolution of 12 megapixels, compared to the 8 megapixels of the previous modules and an extended sensitivity (approx. 50% more area per pixel for improved low light performance) than the existing V2 camera moduleThe new official Raspberry Pi camera module is designed for use with interchangeable lenses with C and CS mounts. Other lens form factors can be adapted and used with third party lens adapters.The High Quality Camera is an alternative to the Camera Module v2, especially for industrial and consumer applications, including security and surveillance purposes, that require the highest level of visual fidelity and/or integration with specialised optics. The module is compatible with all models of the single board computer Raspberry Pi.(Also from Raspberry Pi 1 model B!) However, the camera requires the use of the latest software version(s) of www.raspberrypi.org! The required driver packages are NOT included in older operating systems! Please upgrade your system or use a new installation!The package includes a circuit board with a scope of delivery:- Sony IMX477 sensor,- an FPC cable for connection to a Raspberry Pi single board computer,- a milled aluminium lens mount with integrated tripod mount- and focus adjustment ring,- as well as a C- to CS-mount adapter.A Raspberry Pi, lenses and other accessories are not included!Datasheet 12MP Raspberry Pi HQ Camera:- Sensor: Sony IMX477R- stacked, back-illuminated sensor 12.3 megapixels- 7.9 mm sensor diagonal 1 .55 µm × 1.55 µm pixel size- Output: RAW12/10/8, COMP8- Back focus: Adjustable (12.5 mm-22.4 mm)- Lens standards: C-mount CS-mount (C-CS adapter included)- IR cut filter: Integrated2- Ribbon cable length: 200 mm SAFETY INSTRUCTIONSTo avoid malfunction or damage to this product, please observe the following points:- Before connecting the device, shut down your Raspberry Pi computer and disconnect it from external power.- If the cable comes loose, unplug it. If the cable comes loose, pull the locking mechanism on the connector forwards, insert the ribbon Make sure the metal contacts are facing the PCB and then push the locking mechanism back into place.- This device should be operated in a dry environment at 0-50°C.- Do not expose it to water or moisture or place it on a conductive surface during operation.- Do not expose it to excessive heat from any source.- Care should be taken not to kink or stretch the ribbon cable.- Care should be taken when screwing in parts or mounting a stand. Cross threading can cause irreparable damage.- When handling, take care to avoid mechanical or electrical damage to the PCB. and connectors.- Avoid handling the PCB while it is live and only handle it by the edges to minimise the risk of damage from electrostatic discharge.- Store the device in a cool place. Store the device in a cool, dry place.- Avoid rapid temperature changes that can lead to moisture accumulating in the device.- Removing the IR filter is a non-recoverable modification (personal responsibility!).To remove the IR filter from the camera sensor and modify the HQ camera to the NoIR version, please follow the steps below (instructions) and be sure to observe the warnings!

Specifications

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