



Pi NoIR Camera Module

Product Name

Pi NoIR - Raspberry Pi Infrared Camera Module

Product Description

Featuring the same 8 megapixel image sensor as the standard Raspberry Pi camera with the infrared cut-off filter removed to increase IR light sensitivity. The Pi NoIR is compatible with all Raspberry Pi models and provides high definition, high sensitivity, low crosstalk and low noise image capture in an ultra small and lightweight design. The camera module connects to the Raspberry Pi board via the CSI connector which is capable of extremely high data rates and it exclusively carries pixel data to the processor.

Specifications

Image Sensor

Sony IMX 219 PQ CMOS image sensor in a fixed-focus module with IR blocking filter removed.

Resolution

8-megapixel

Still picture resolution

3280 x 2464

Max image transfer rate

1080p: 30fps (encode and decode)
720p: 60fps

Connection to Raspberry Pi

15-pin ribbon cable, to the dedicated 15-pin MIPI Camera Serial Interface (CSI-2).

Image control functions

Automatic exposure control
Automatic white balance
Automatic band filter
Automatic 50/60 Hz luminance detection
Automatic black level calibration

Temp range

Operating: -20° to 60°
Stable image: -20° to 60°

Lens size

1/4"

Dimensions

23.86 x 25 x 9mm

Weight

3g

Note

The Pi NoIR camera is sensitive to short-wavelength IR radiation (around 880nm) and requires IR illumination to see in the dark.