



RASPBERRY PI CAMERA 8MP NOIR



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.

The Pi NoIR gives you everything the regular Camera Module offers, with one difference: it does not employ an infrared filter. (NoIR = **No Infrared**.) This means that pictures you take by daylight will look decidedly curious, but it gives you the ability to see in the dark with infrared lighting.

We bundle a little square of blue gel with the Pi NoIR, which you can use with the camera to monitor the health of green plants. The Pi NoIR is very popular among wildlife hobbyists: with a few infrared LEDs, you can monitor what nocturnal animals are doing in your garden without disturbing them.

The camera works with **all models** of Raspberry Pi 1, 2, and 3. It can be accessed through the MMAL and V4L APIs, and there are numerous third-party libraries built for it, including the Picamera Python library.

Features:

1. 8-Megapixel native resolution high-quality Sony IMX219 image sensor
2. Cameras are capable of 3280 x 2464-pixel static images
3. Capture video at 1080p30, 720p60 and 640x480p90 resolutions
4. All software is supported within the latest version of Raspbian Operating System
5. No Infrared filter making it perfect for taking Infrared photographs or photographing objects in low light (twilight) conditions.
6. 1.4 μm X 1.4 μm pixel with OmniBSI technology for high performance
7. Optical size of 1/4"

Specifications:

Image Sensor	Sony IMX219PQ CMOS
Video Modes	1080p30, 720p60, 640x480p60/9
Dimensions in mm (l x w x h)	25 x 20 x 9 (approx).
Weight (gm)	4
Shipping Weight	0.005 kg
Shipping Dimensions	8 x 4 x 2 cm