



## 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.

### RS Part Numer

**913-2673**

### 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.