# 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 Number**  
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.