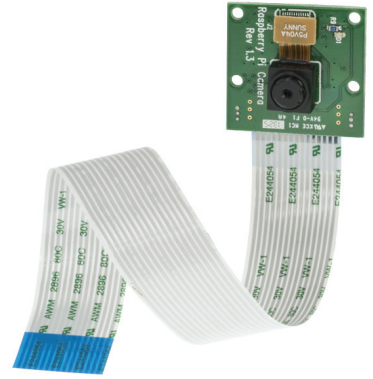


# Raspberry Pi



## CAMERA MODULE

### Product Name

**Raspberry Pi Camera Module**

### Product Description

High definition camera module compatible with the Raspberry Pi model A and model B. Provides 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 designed specifically for interfacing to cameras. The CSI bus is capable of extremely high data rates, and it exclusively carries pixel data to the BCM2835 processor.

### Specifications

#### Image Sensor

Omnivision 5647 CMOS image sensor in a fixed-focus module with integral IR filter

#### Resolution

5-megapixel

#### Still picture resolution

2592 x 1944

#### 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: -30° to 70°  
Stable image: 0° to 50°

#### Lens size

1/4"

#### Dimensions

20 x 25 x 10mm

#### Weight

3g