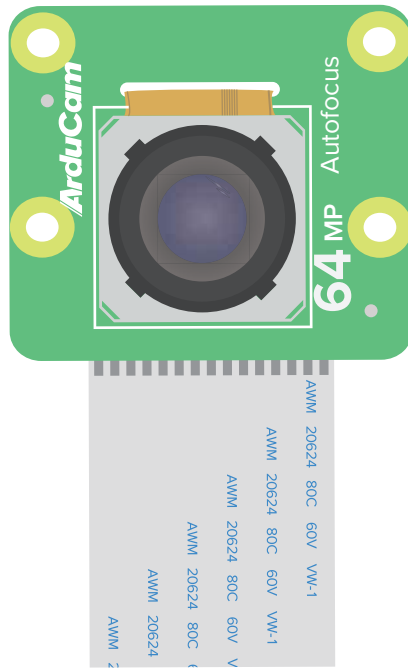


ArduCam

Pi Hawk-eye™

64MP Autofocus Camera

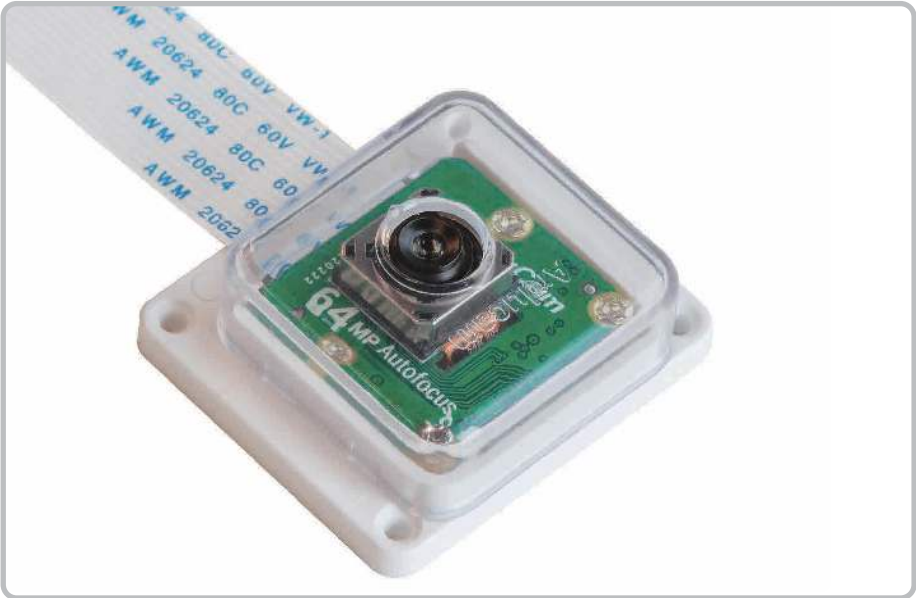
for Raspberry Pi



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Overview



Pi Hawk-eye is a 64MP, ultra high-resolution autofocus camera module exclusively built for the latest and future generations of Raspberry Pis.

By bringing a sensor inside modern-day flagship phones to Raspberry Pi, you can take DSLR-like still images at the maximum resolution resolution of 9152 x 6944. And with an autofocus lens, the ePTZ, and the upcoming continuous-autofocus features, you now get more horsepower to build more applications, to cover more industries, to unlock more fields, at a much lower cost.

For seasoned makers, Pi Hawk-eye is designed to ensure you a smooth upgrade, it is compatible with everything you already have: the v1/v2 form-factor, the MIPI CSI-2 connection, the latest libcamera software, the standard tripod mount, etc.

Even if you are using Raspberry Pi for the first time, you can follow the hands-on guide without hassle.

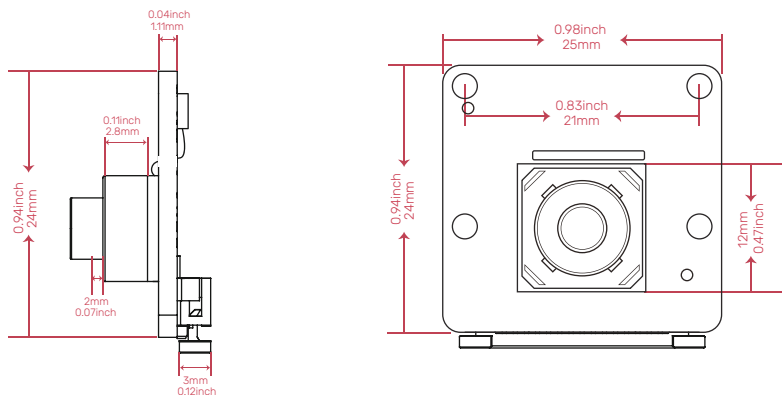
The package comes with a camera board and a 15cm cable by default, there is also an optional camera enclosure, with a built-in tripod mount, that is also compatible with V1 and V2 cameras.

Specification

Sensor:	Sony back-illuminated sensor 64 megapixels 0.8 μm \times 0.8 μm pixel size support 2 \times 2 binning to 1.6 μm Super Pixel. 9.25 mm diagonal (Type 1/1.7")
Output:	JPEG/YUV/RGB/RAW10
Lens:	Autofocus, f/1.8 EFL: 5.1 FoV: 84° Focus Range: 8 cm ~ infinite
IR cut filter:	Integrated
Tripod mount:	1/4"-20
Enclosure (optional):	ABS, also compatible w/ camera module v1 & v2.
Ribbon Cable Length:	150mm

▲ The sensor natively supports RAW10, but with Raspberry Pi's ISP you can also get JPEG/YUC/RGB.

Physical specifications

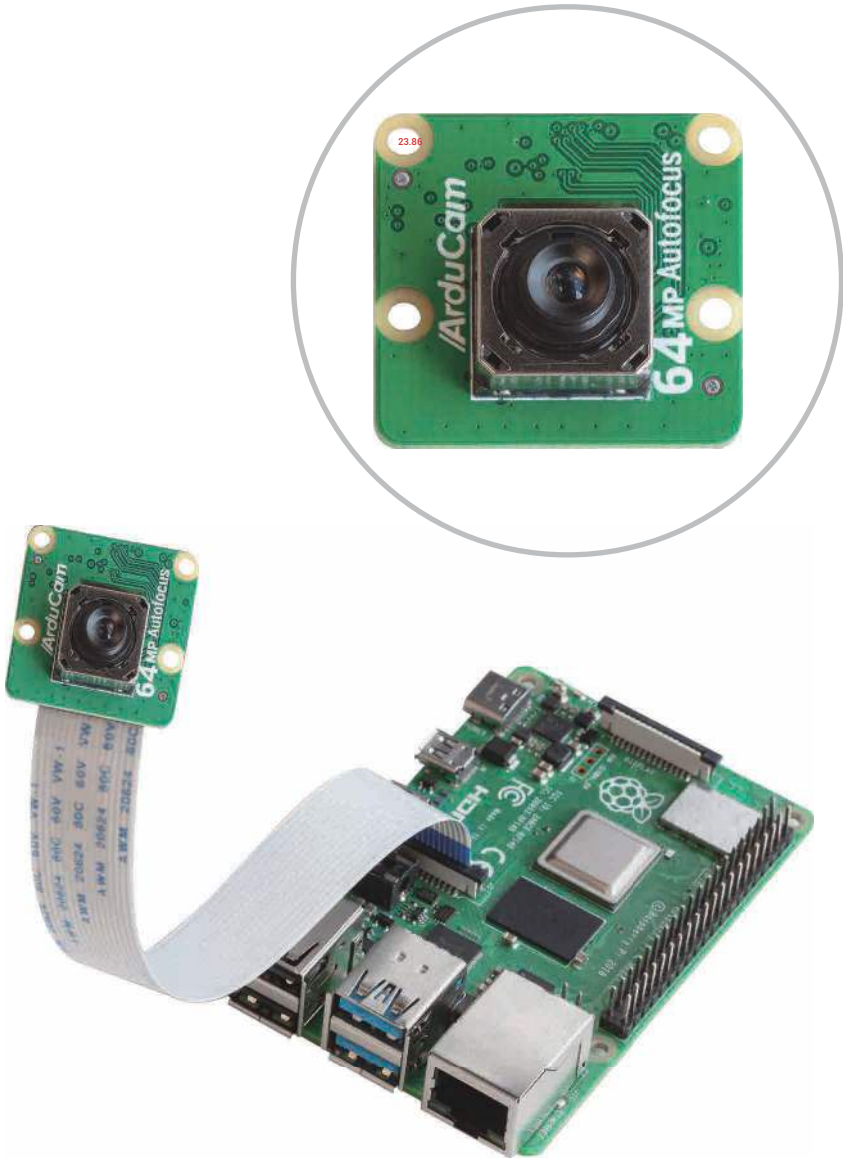


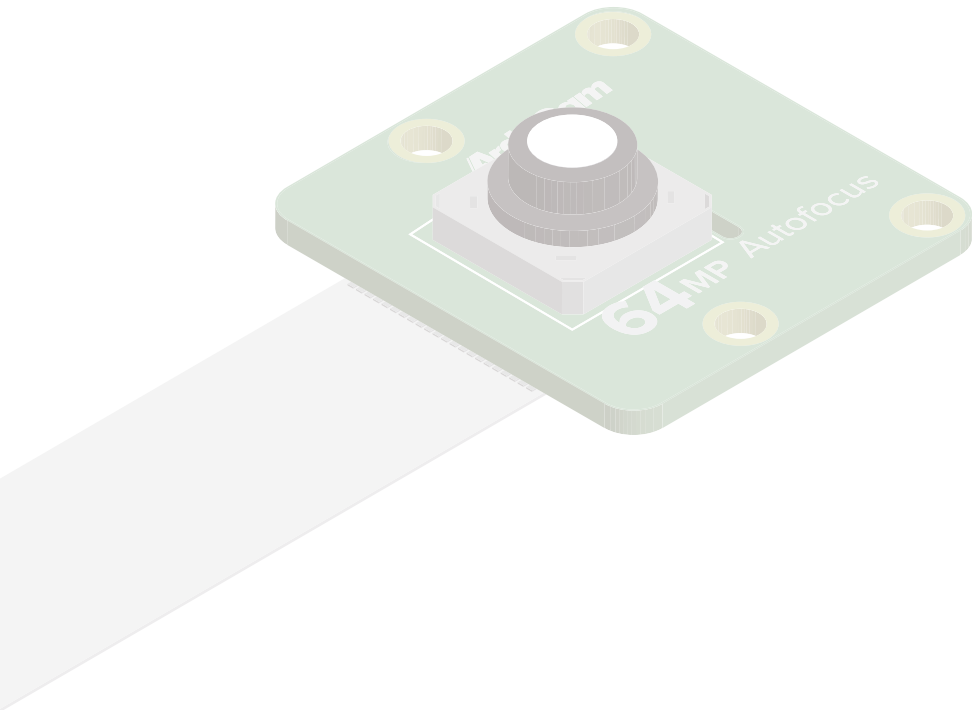
Safety instructions

First-time using a Raspberry Pi camera? Please note:

- Before connecting, you should always power the Raspberry Pi off and remove the power supply first.
- Make sure the cable on the camera board is locked in place.
- Make sure the cable is correctly inserted in the Raspberry Pi board's MIPI CSI-2 connector.
- Avoid high temperatures.
- Avoid water, moisture, or conductive surfaces while in operation.
- Avoid folding, or straining the flex cable.
- Avoid cross-threading with tripods.
- Gently push/pull the connector to avoid damaging the printed circuit board.
- Avoid moving or handling the printed circuit board excessively while it's in operation.
- Handle by the edges to avoid damages from electrostatic discharge.
- Where the camera board is stored should be cool and as dry as possible.
- Sudden temperature/humidity changes can cause dampness in the lens and affect the image/video quality.

Pi Hawk-eye





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