64MP-AF Synchronized Quad-Camera Kit for Raspberry Pi

Getting Started
Installation

Packing List

- 3 x Screw
- 3 x Spacer
- 3 x Nut
- 1 x Flex Cable (For Raspberry Pi)
- 4 x 64MP Autofocus Camera Module (Exclusive Version)
- 1 x Quad-Camera HAT
- 4 x Fex Cable (For Cameras)

⚠️ Turn off your Raspberry Pi and disconnect the power supply.

1. Connect the HAT’s MIPI_TX0 port to Raspberry Pi’s camera port.
2. Connect the Quad-Camera HAT.

3. Connect the 4 camera modules to the Rx ports.

4. Power your Raspberry Pi on.
Operating The Camera

The camera requires a driver to be installed according to the platform in use, please see the following.

**for Raspberry Pi**

*Quick start:*
https://docs.arducam.com/Raspberry-Pi-Camera/Native-camera/Quick-Start-Guide/#imx519hawkeye-64mp-cameras

*Autofocus:*
https://docs.arducam.com/Raspberry-Pi-Camera/Native-camera/Libcamera-User-Guide/#autofocusmanual-focus-function

**for Octopi**

https://docs.arducam.com/Raspberry-Pi-Camera/Native-camera/64MP-Hawkeye/#how-to-use-octopi-with-arducam-64mp-camera
To properly use the Arducam quad-camera kit, kindly 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.
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