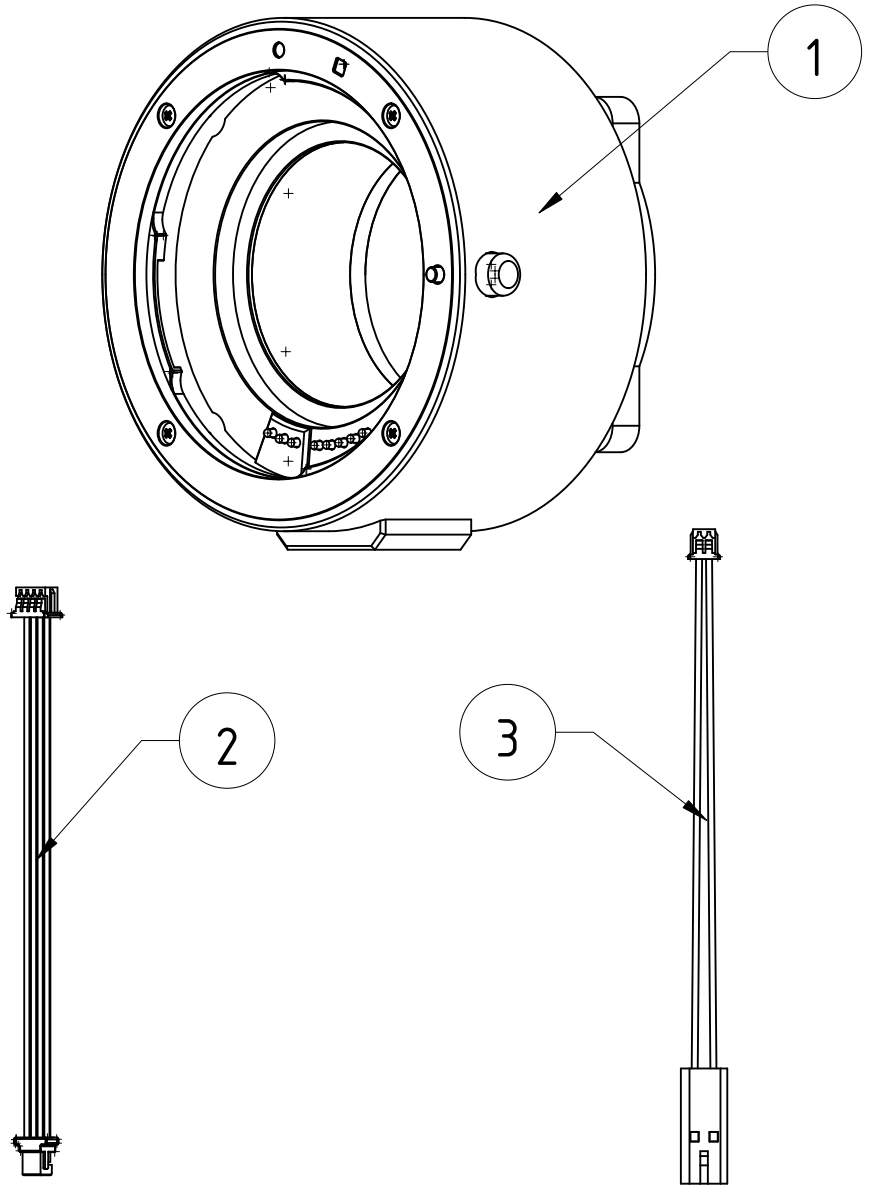
Package Contents

1) The adapter
2) 4-wire data cable
3) 2-wire power cable

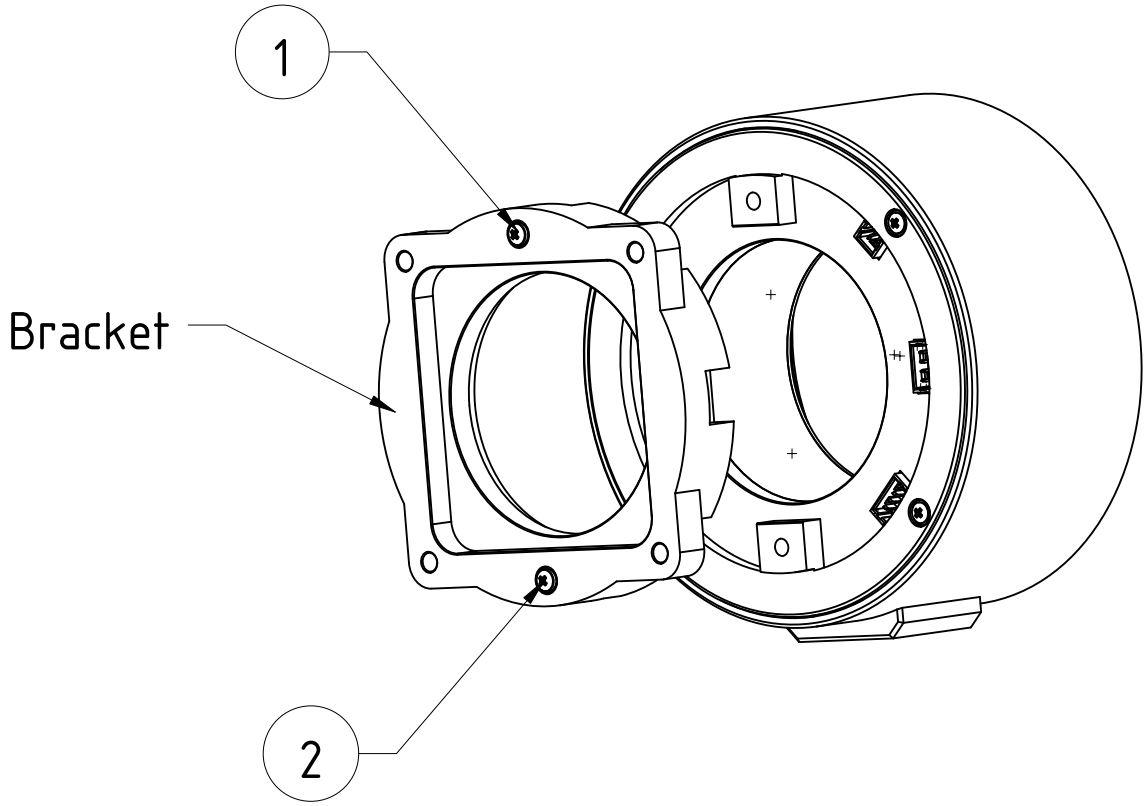
You will also need (not Included in the Package)

- Canon EF or EF-S lens
- Raspberry Pi computer and related accessories
- FourthirdsEye camera board
- Camera flex cable
- Tripod, stand, lens ring or other compatible mount
- Small Phillips & Hex screwdriver
- Optional 4-wire serial cable



1. Remove the bracket

Unscrew the two screws and carefully remove the bracket.

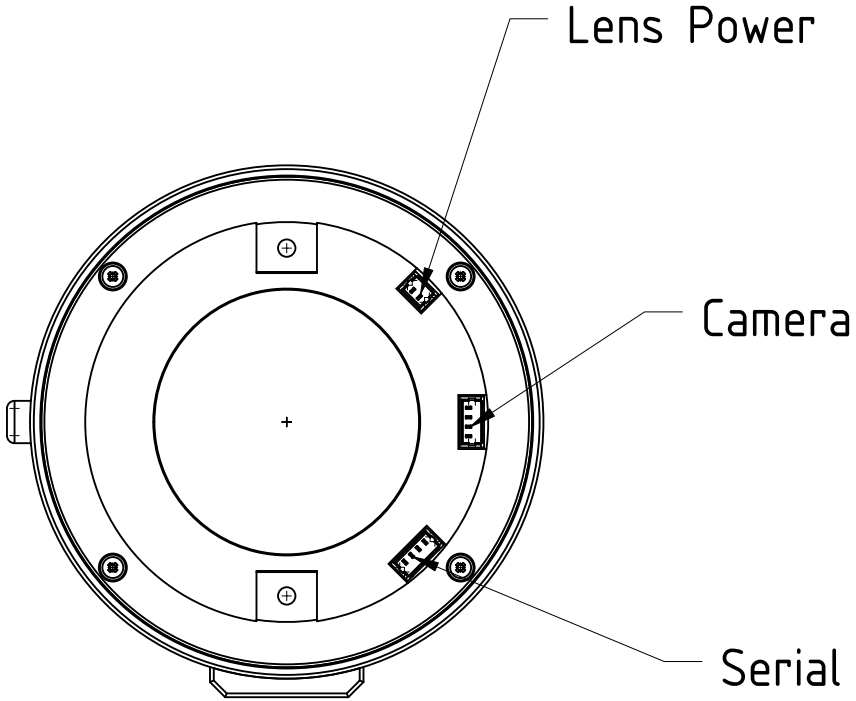


2. Connect the cables to the adapter

1) **Lens power cable**
The adapter has a 2-pin connector for powering the lens. Use the supplied 2-wire power cable and insert its connector into the 2-pin socket on the adapter.

2) **Camera cable**
Connect the supplied short 4-wire cable (with a Qwiic connector for the camera board) to the middle 4-pin header on the adapter. This connector is located between the 2-pin power connector and the other 4-pin connector.

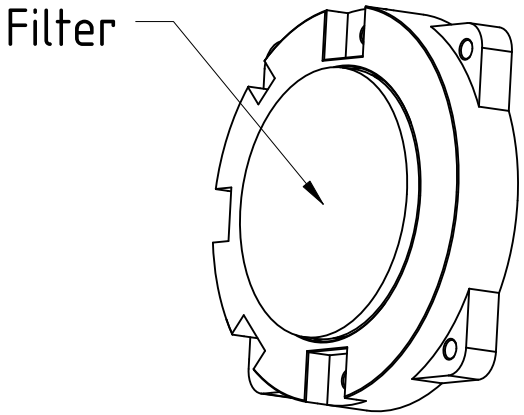
3) **Serial interface cable (optional)**
If you want to control the lens via the serial interface, connect the appropriate cable to the remaining 4-pin header on the adapter (the last connector when moving clockwise around the adapter's circumference).

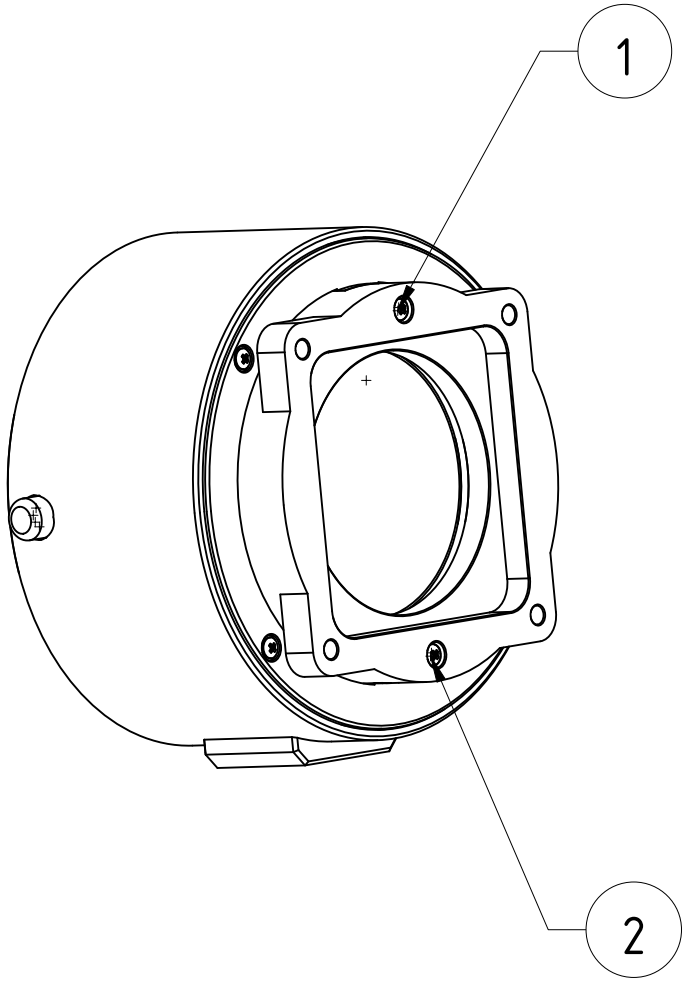


3. Bracket and Filter installation

If required, insert the unmounted 36 × 2 mm IR-cut filter into the designated compartment in the bracket.

Reattach the bracket to the adapter and secure it with the two screws removed in Step 1.

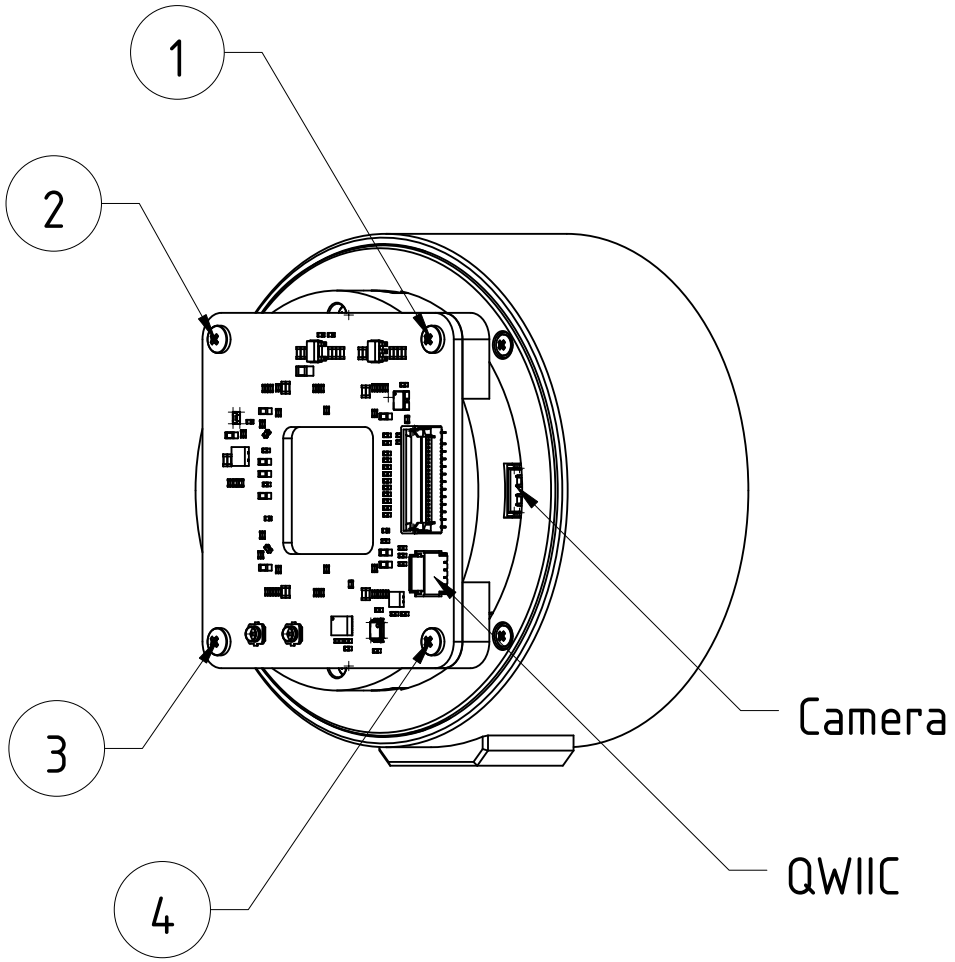




4. Install the camera board

Secure the camera board to the bracket using the four screws at its corners.

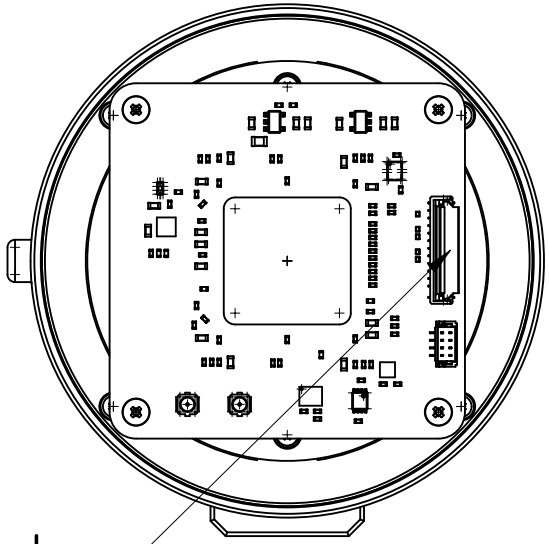
Connect the short 4-wire cable to the Qwiic connector on the camera board.

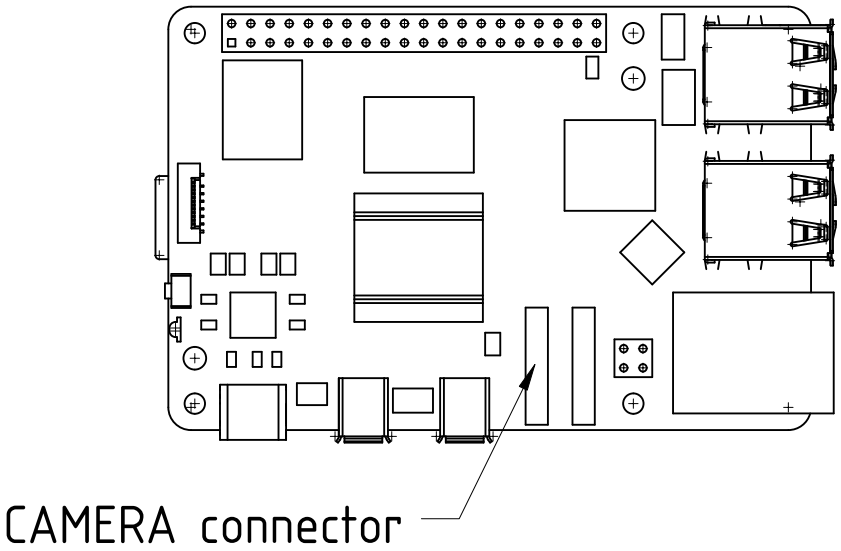


5. Connect the Flex cable

To avoid any potential damage, power off the Raspberry Pi and disconnect it from any power source.

The camera module comes with a flex cable, use it to connect the module to the Raspberry Pi. Insert one end of the cable into the camera board **FPC** connector, and the other end into the connector labeled **CAMERA** on the Raspberry Pi.

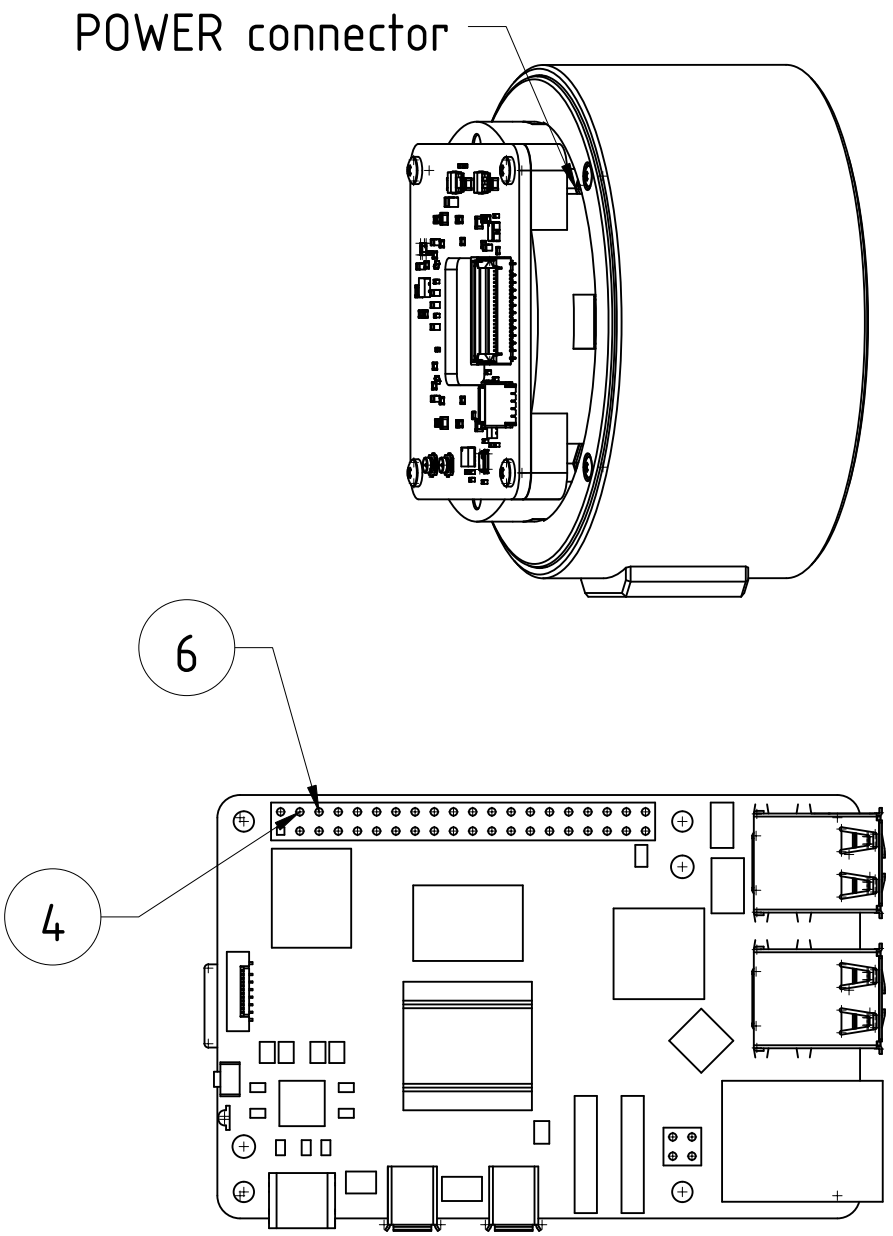




6. Connect the Power Cable

Connect the loose ends of the 2-wire power cable to the Raspberry Pi's 40-pin GPIO header as follows:

Wire	Color	Pin in RPI 40-pin GPIO header
5V power	Red	4
Ground	Black	6



7. Connect the Serial Cable

A serial interface is **not required** for autofocus functionality. Therefore, a 4-wire serial cable is not included with the adapter and must be purchased separately if needed.

If you wish to control the lens via the serial interface, connect the loose wires of the previously installed 4-wire cable to the Raspberry Pi's 40-pin GPIO header as follows:

Wire	Color	Pin in RPI 40-pin GPIO header
3V3 power	Red	1
TX	Yellow	8
RX	Green	10
Ground	Black	9

