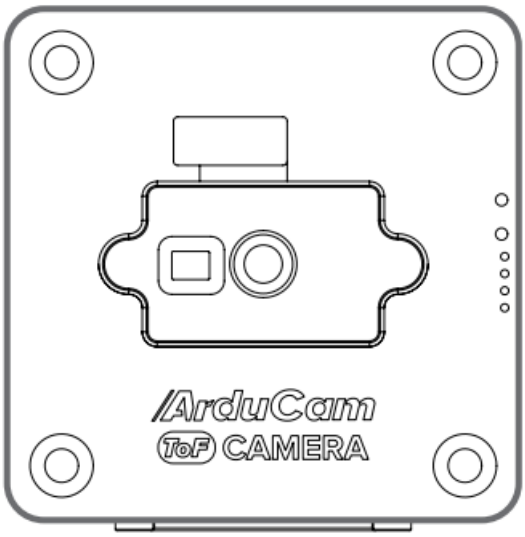
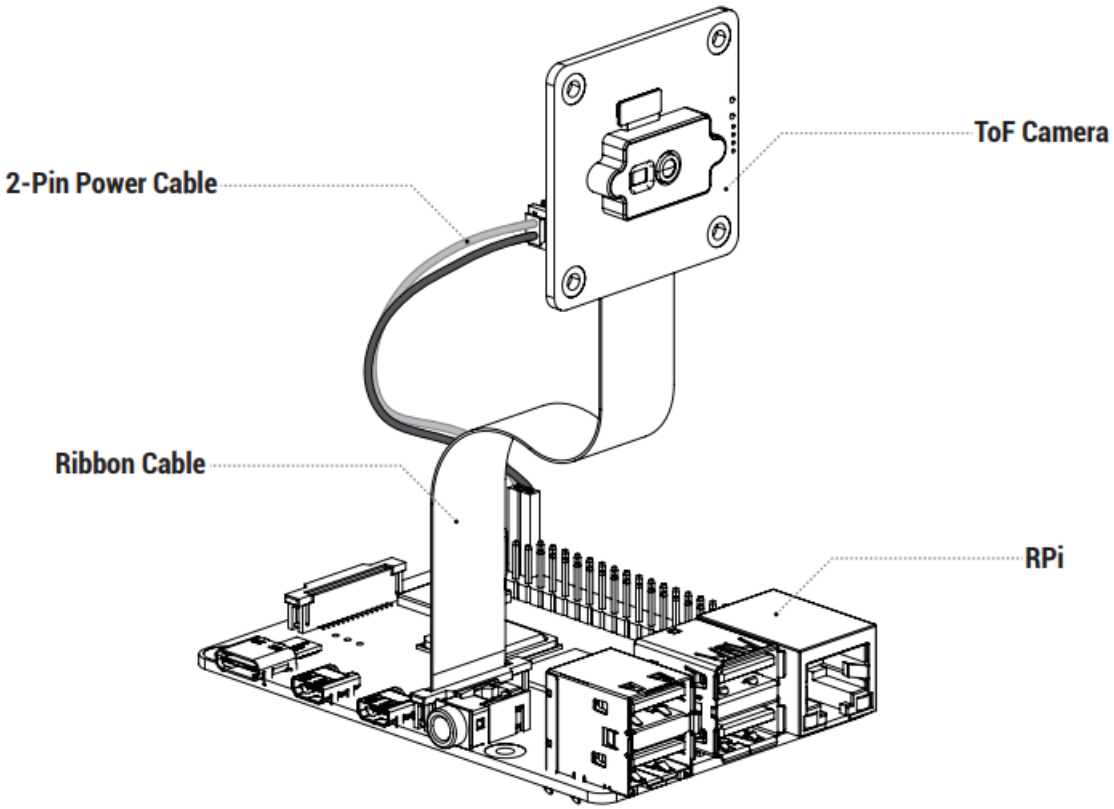
ArduCom B0367 18MP Color Camera Module User Manual

Contents

ArduCom B0367 18MP Color Camera Module

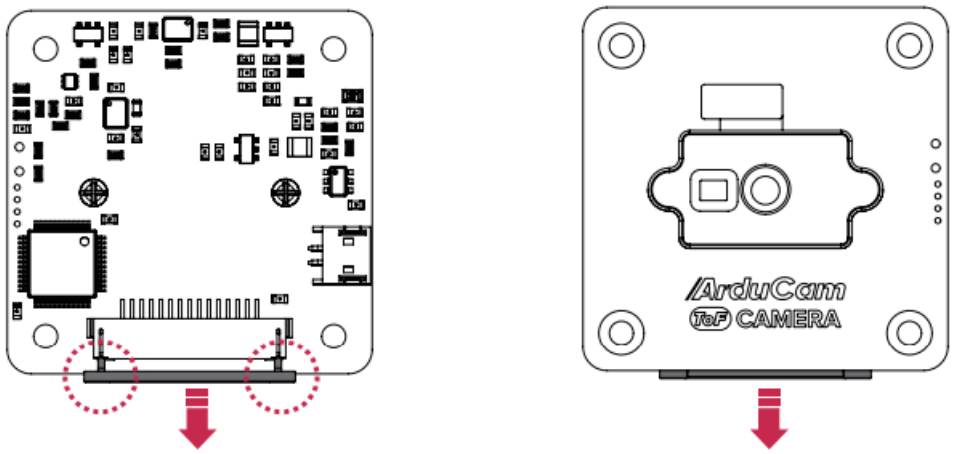
ToF Camera



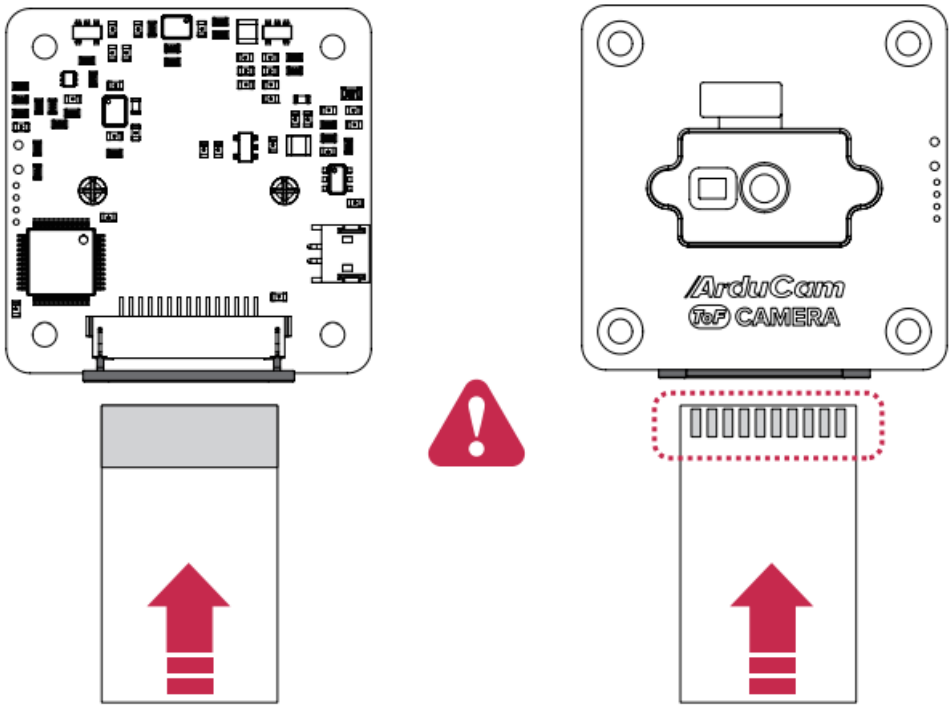


Installation

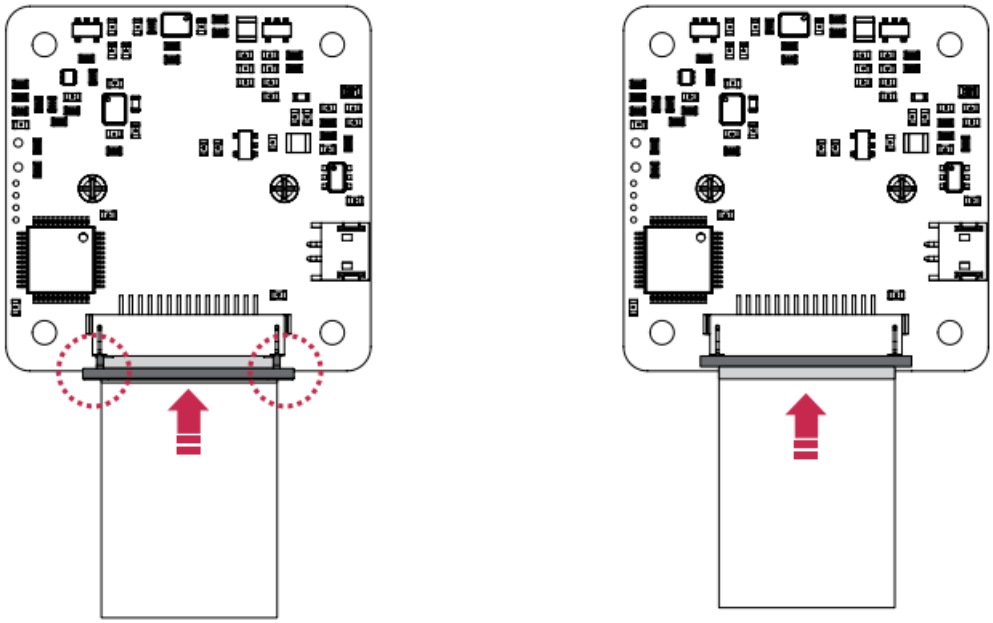
1. Find the camera connector, gently pull the plastic catch up.



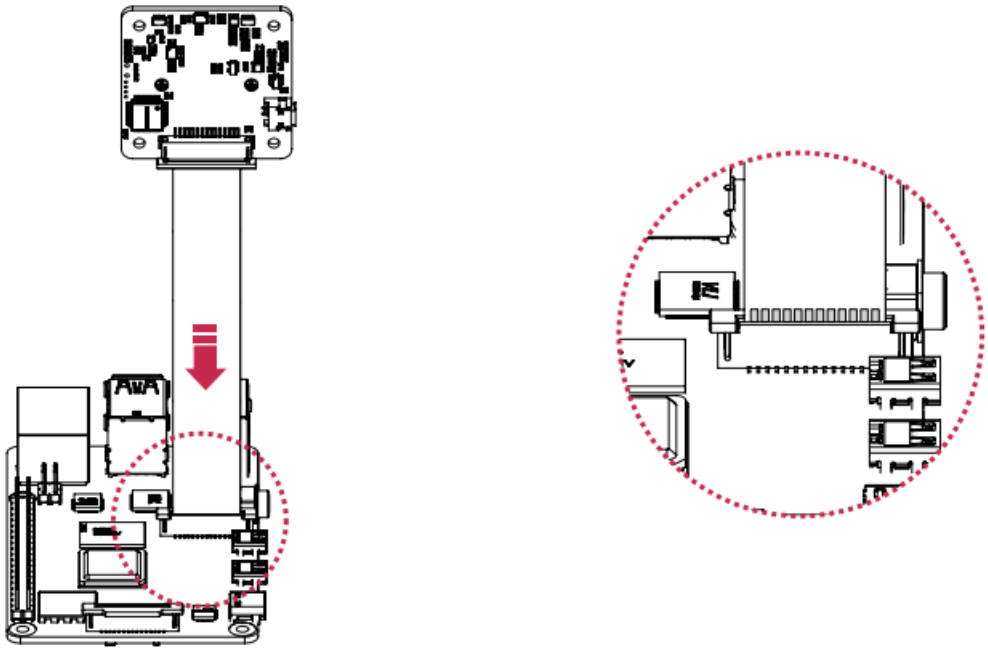
2. Insert the ribbon cable with pins facing away from the catch.



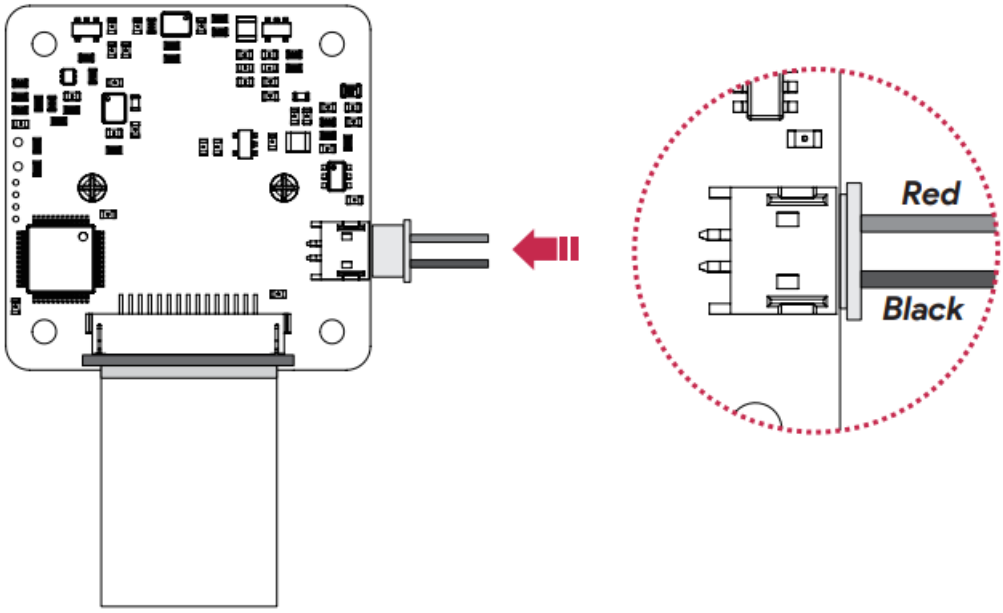
3. Push the catch back in.



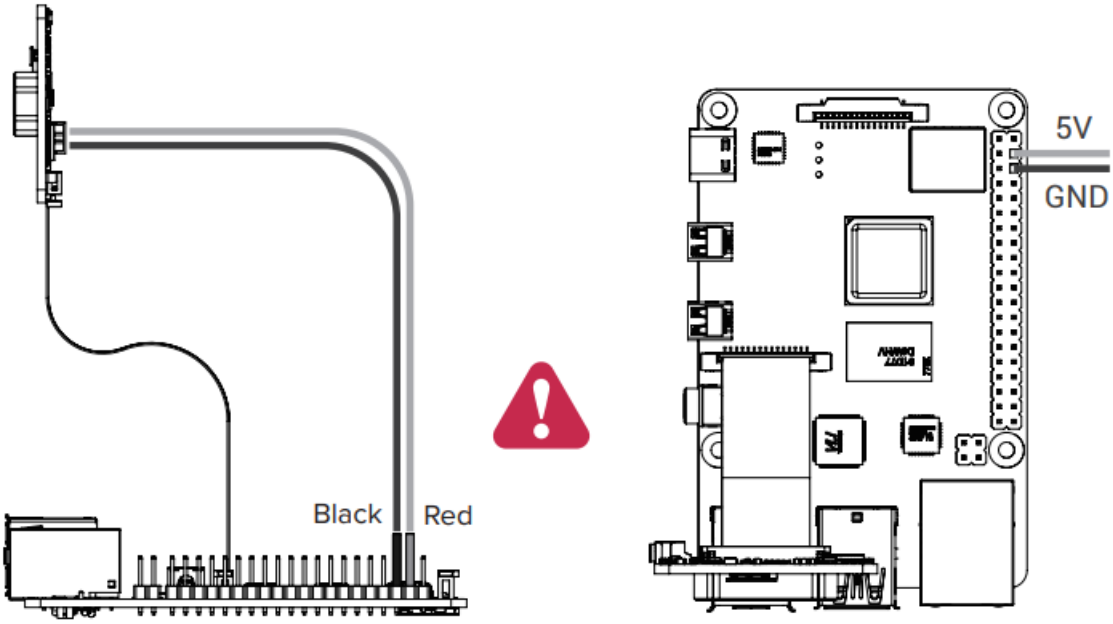
4. Connect the camera to Raspberry Pi, with pins facing away from the catch.



5. Connect the 2-pin power cable.



6. Connect the 2-pin cable to Raspberry Pi’s GPIO (5V & GND).



Operating The Camera

Before You Start

- Make sure you are running a newer version of Raspberry Pi OS. (04/04/2022 or later releases)
- A fresh install is highly recommended.

Step 1. Install the camera driver

- wget -O install_pivariety_pkgs.sh
- https://github.com/ArduCAM/Arducam-Pivariety-V4L2-Driver/releases/download/install_script/install_pivariety_pkgs.sh
- chmod +x install_pivariety_pkgs.sh
- install_pivariety_pkgs.sh -p kernel_driver

When you see the reboot prompt, press y and then press enter to reboot.

Step 2. Pull the repository.

git clone
https://github.com/ArduCAM/Arducam_tof_camera.git

Step 3. Change the directory to Arducam_tof_camera

cd Downloads/Arducam_tof_camera

Step 4. Install dependencies

- chmod +x Install_dependencies.sh
- Install_dependencies.sh

Raspberry Pi will automatically reboot.

Step 5. Change the directory to Arducam_tof_camera
cd Downloads/Arducam_tof_camera

Step 6. compile & run

- chmod +x compile.sh
- compile.sh

Once it's successfully complied, live previews of the camera will automatically pop up.

For more information, please visit:
https://www.arducam.com/docs/cameras-for-raspberry-pi/tof-camera-for-raspberry-pi/

Instructions for Safe Use

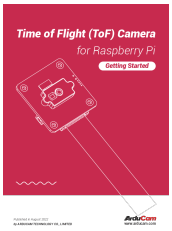
To properly use the Arudcam ToF Camera, kindly note:

- 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 connec-tor.
- 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.

Arducam ToF Camera for Raspberry Pi

Visit us at
www.arducam.com
Pre-Sale
sales@arducam.com
Raspberry Pi and the Raspberry Pi logo are trademarks of the Raspberry Pi Foundation

Documents / Resources

	**ArduCom B0367 18MP Color Camera Module** [pdf] User Manual B0367, 18MP Color Camera Module, B0367 18MP Color Camera Module, Color Camera Module, Camera Module

References

- Compile.sh - The cloud for developers and startups.
- Simplifying embedded vision for all. - Arducam
- GitHub - ArduCAM/Arducam_tof_camera
- Redirecting...