Time of Flight (ToF) Camera
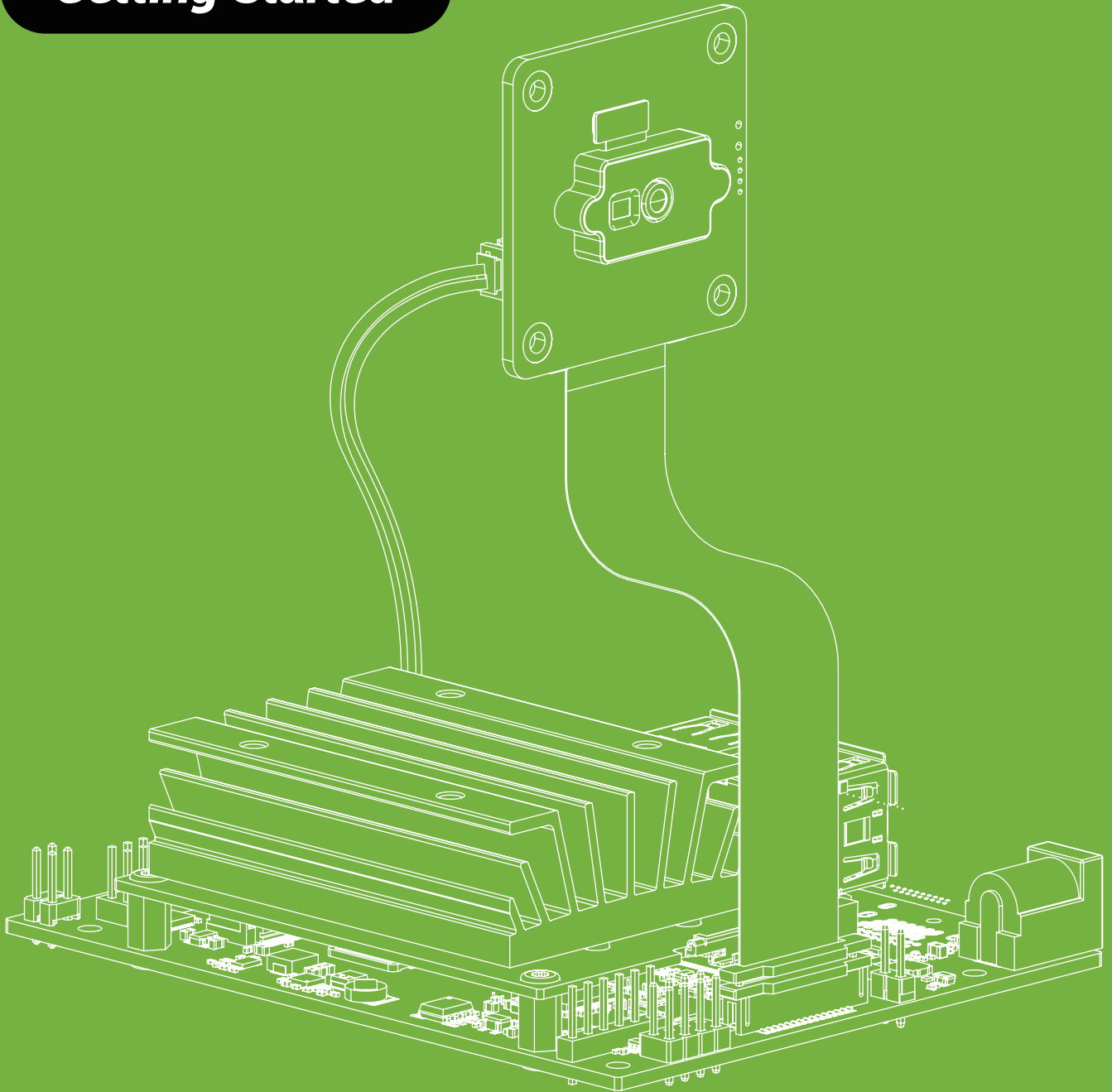## for Jetson Nano/Xavier NX

Getting Started

ArduCam
www.arducam.com

Installation

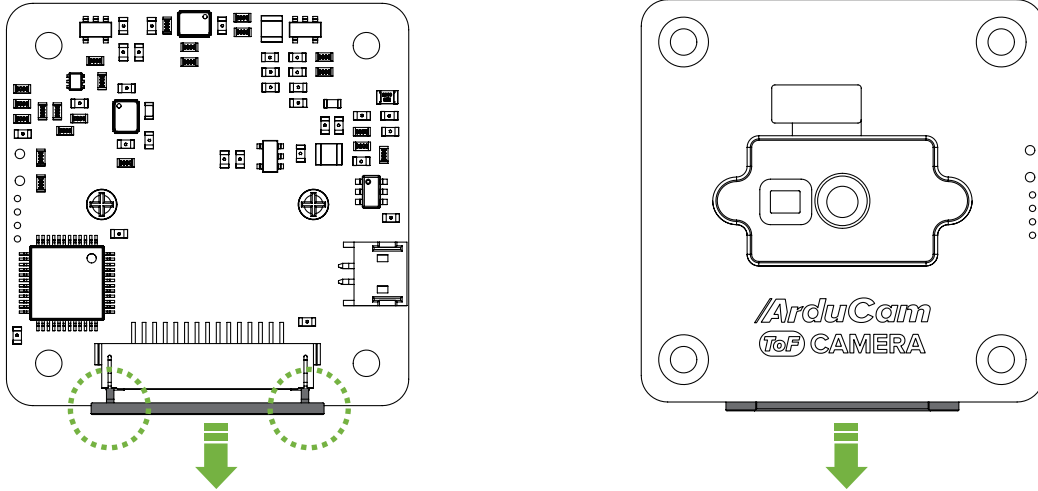## ToF Camera

ToF Camera
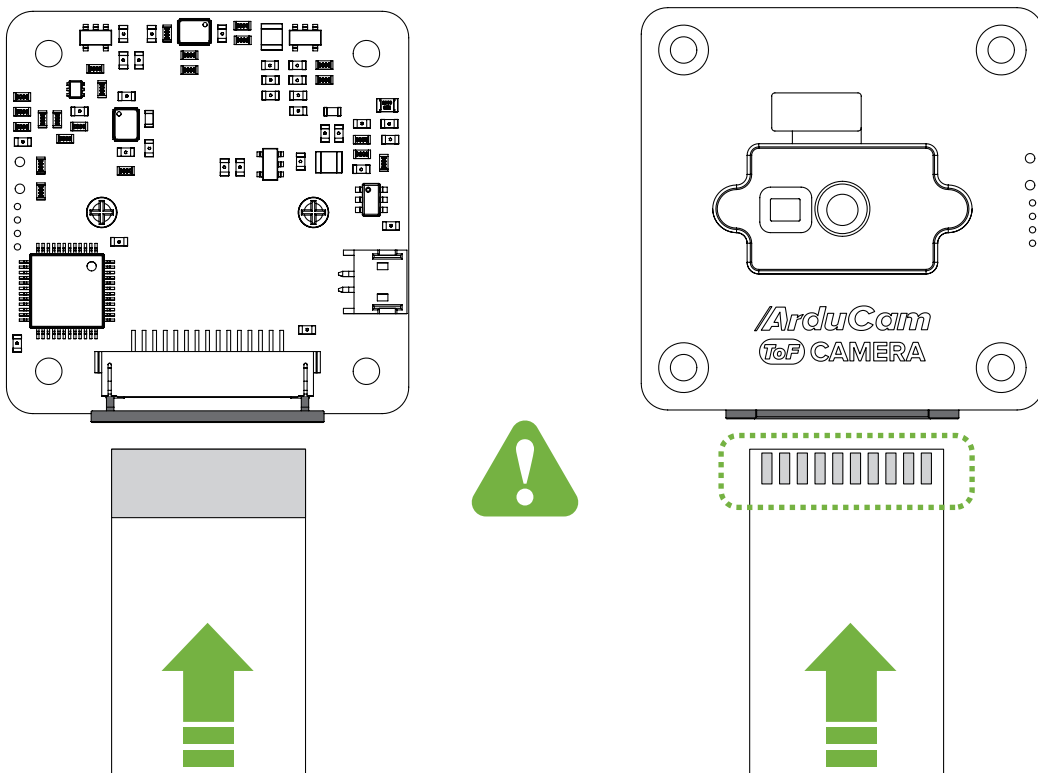
2-Pin Power Cable

Ribbon Cable
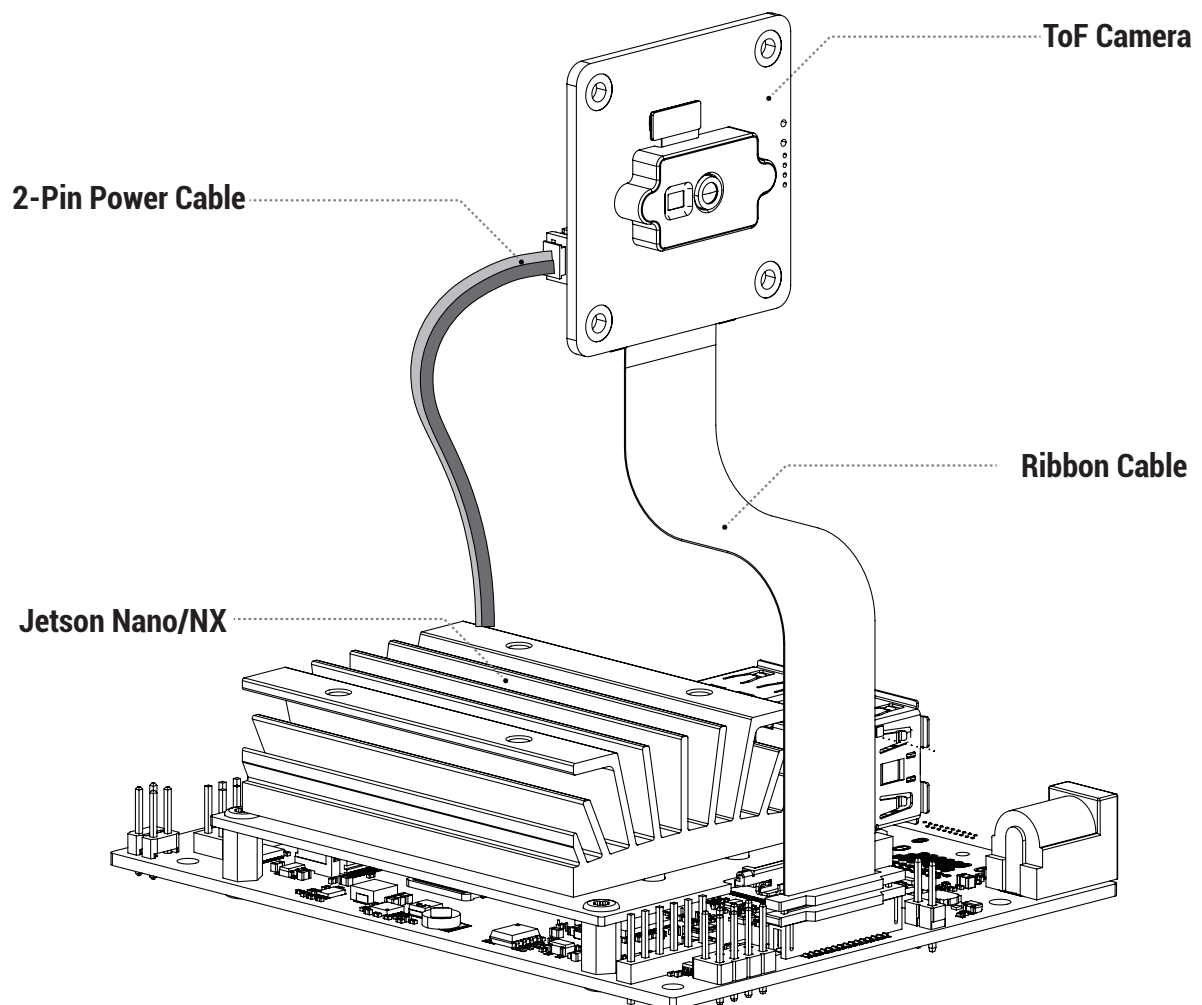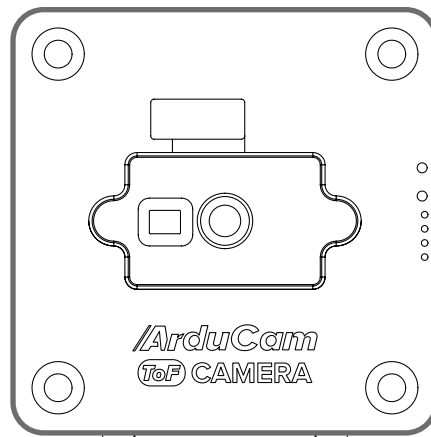
Jetson Nano/NX

Installation

1. Find the camera connector, gently pull the plastic catch up.
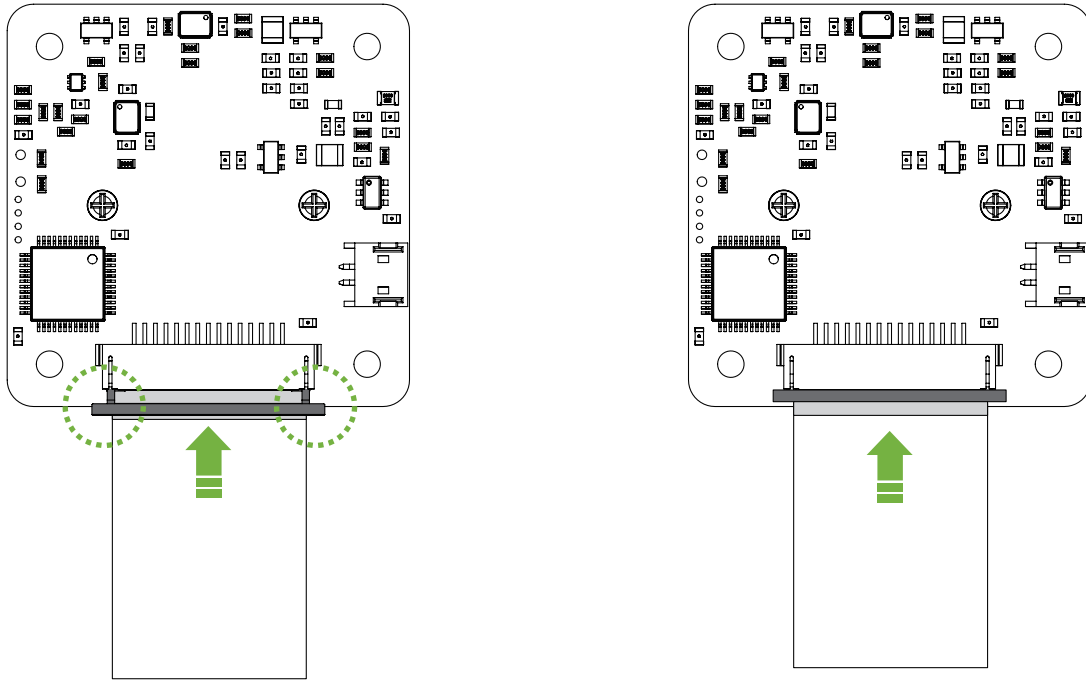
2. Insert the ribbon cable with pins facing away from the catch.

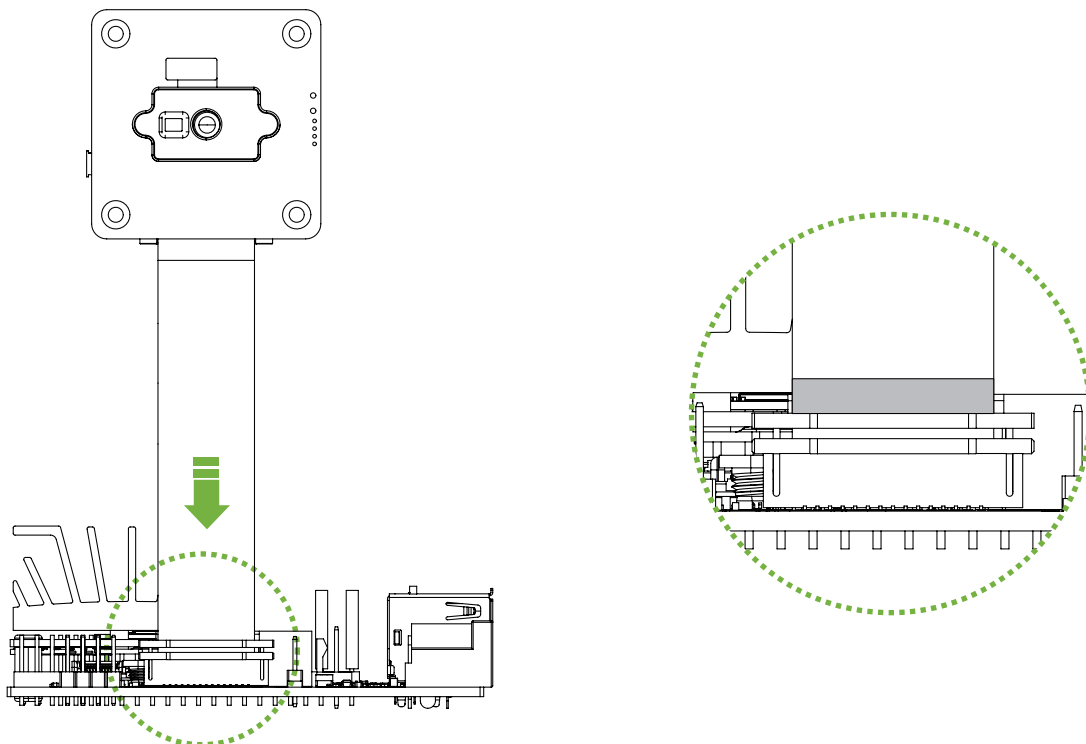# Installation

3. Push the catch back in.
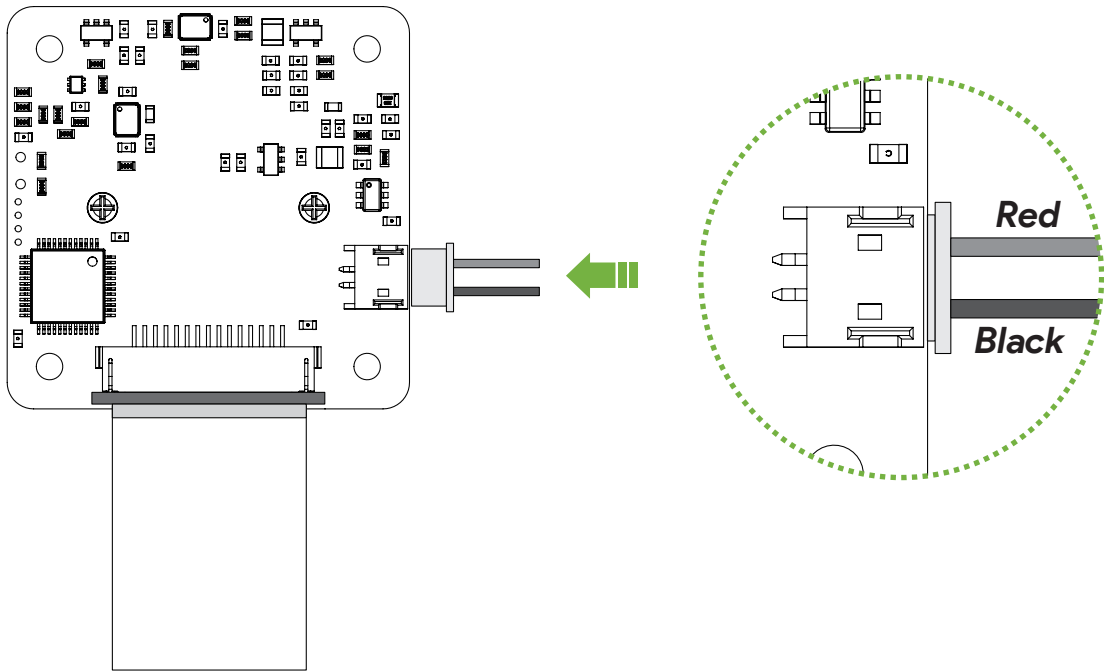

4. Connect the camera to Jetson Nano/NX, with pins facing away from the catch.
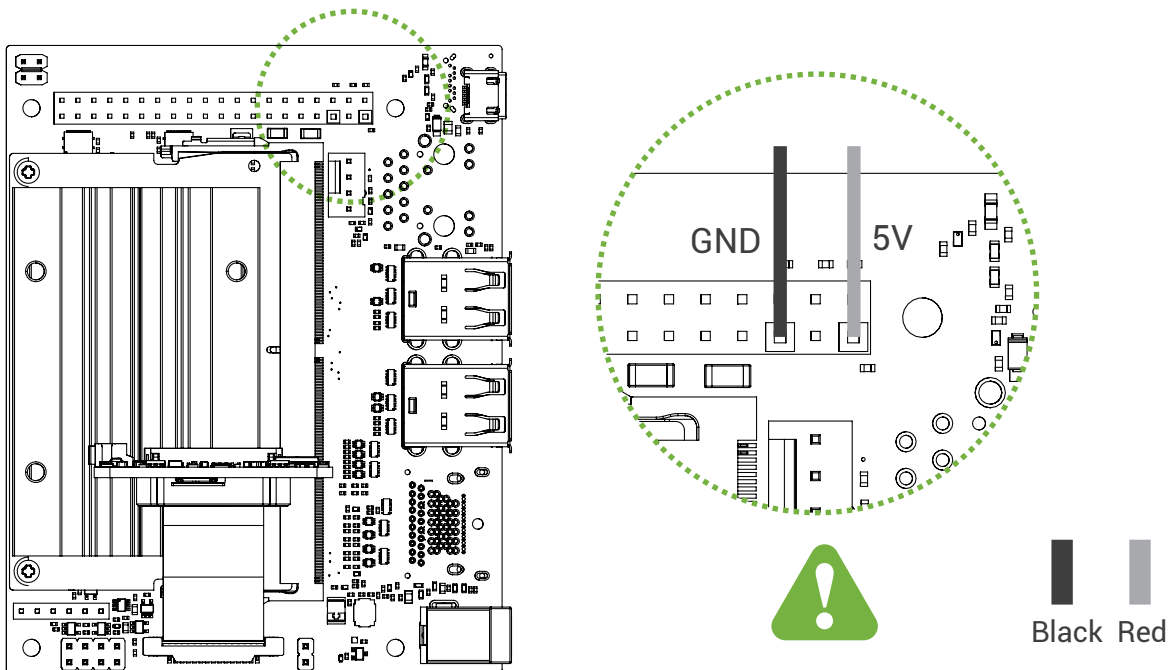
5. Connect the 2-pin power cable to the camera.

Red

Black

6. Connect the 2-pin cable to Jetson Nano's GPIO (5V & GND)

GND   5V

Black Red

Operating The Camera

⚠ Before You Start

- A fresh install is highly recommended.
- Make sure you are running a newer version of Jetpack. (5.0.2 or later) .

Follow each of the steps by running their respective command shown below.

Step 1. Pull the repository.

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

Step 2. Change the directory to Arducam_tof_camera/jetson

```
cd Arducam_tof_camera/jetson
```

Step 3. Installation (Driver, Dependencies, SDK, OpenCV)

```
./Install_dependecies_jetson.sh
```

When you see the reboot prompt, enter y.

Step 4. compile & run

```
./compile.sh
```

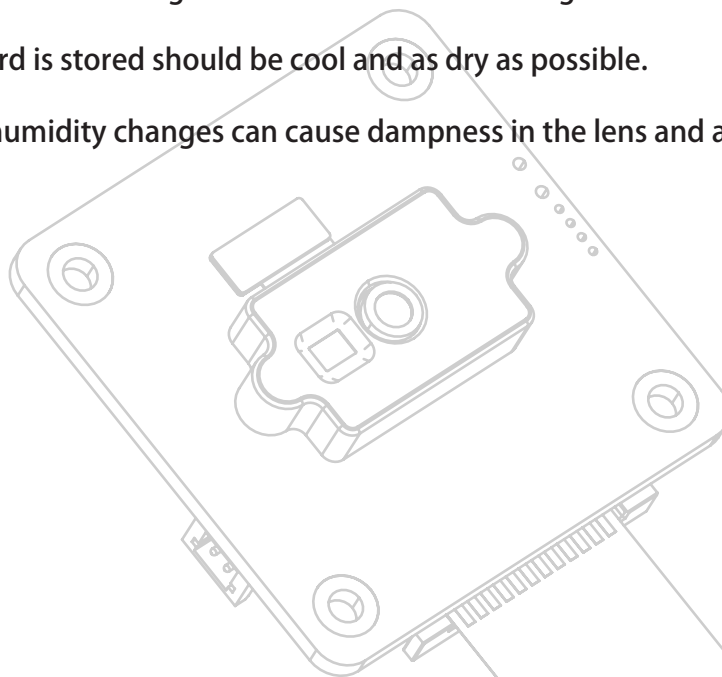Once it's successfully compiled, live previews of the camera will automatically pop up.
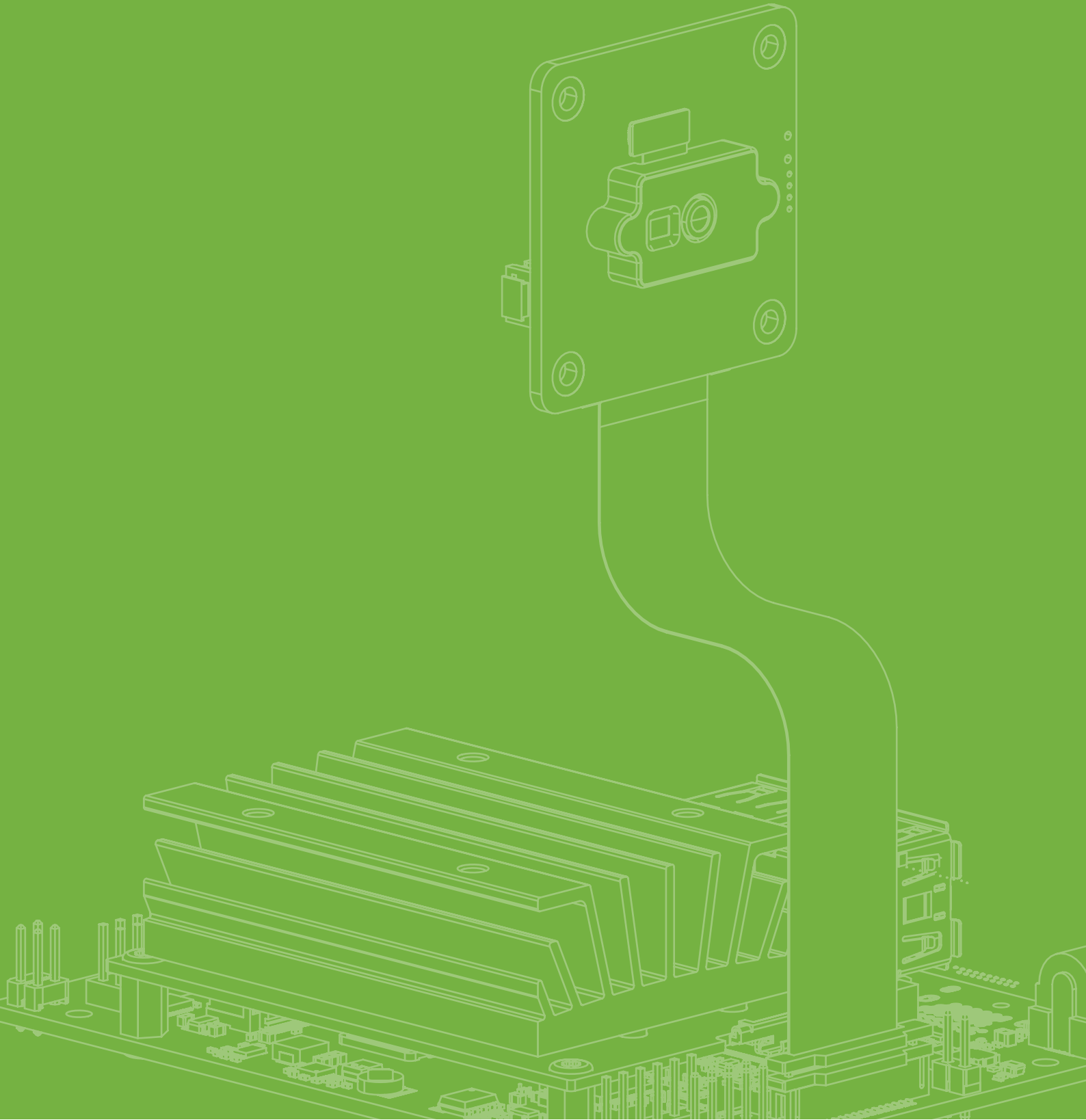
For more information, please visit:
https://www.arducam.com/docs/tof-camera-getting-started/

Instructions for Safe Use

To properly use the Arudcam ToF Camera, kindly note:

● Before connecting, you should always power the Jetson Nano/Xavier NX 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 Jetson Nano/Xavier NX 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.

ArduCam