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

Getting Started
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.

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

![Warning Icon] 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_dependencies_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.