🌿 Manuals+

☰

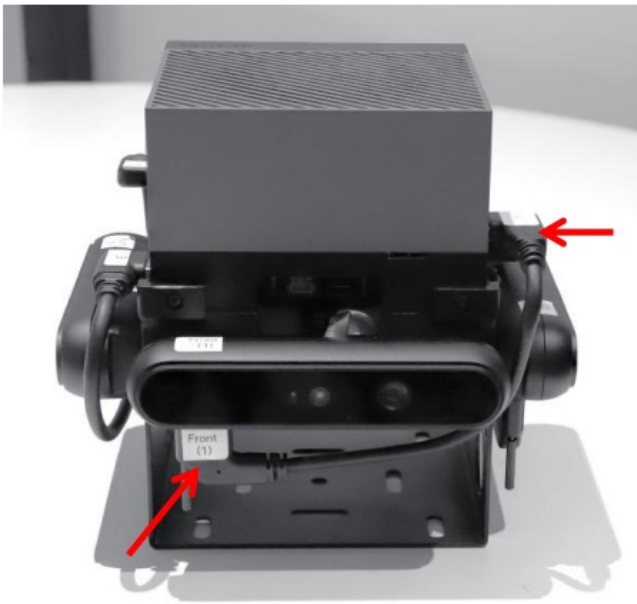**ORBBEC OPDK Perceptor DevKit**

Contents [hide]

Quick Start Guide

Step 1: Connect a monitor and mouse-keyboard set to the Jetson AGX Orin

Step 2: Plug in USB cables for Gemini 335L cameras

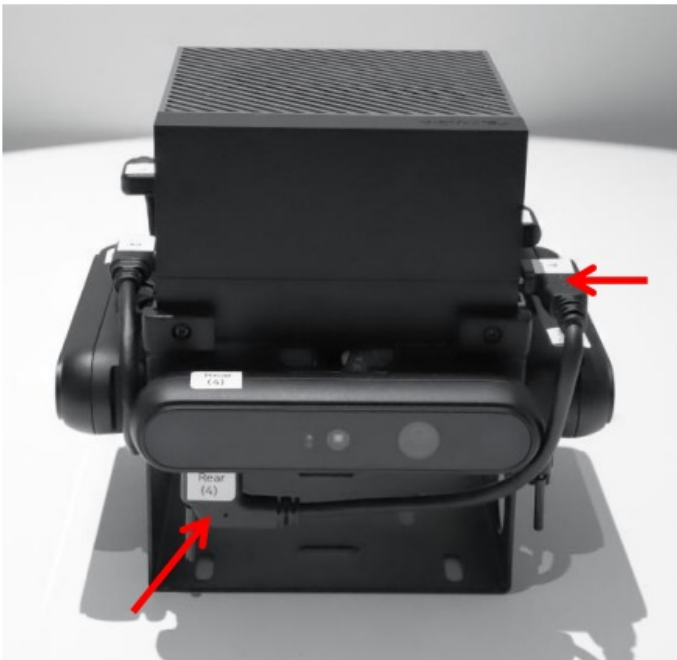Plug in cable 1-1 (type C to C) for camera 1 (Front camera)

Plug in cable 2-2 (type A to C) for camera 2 (left camera)

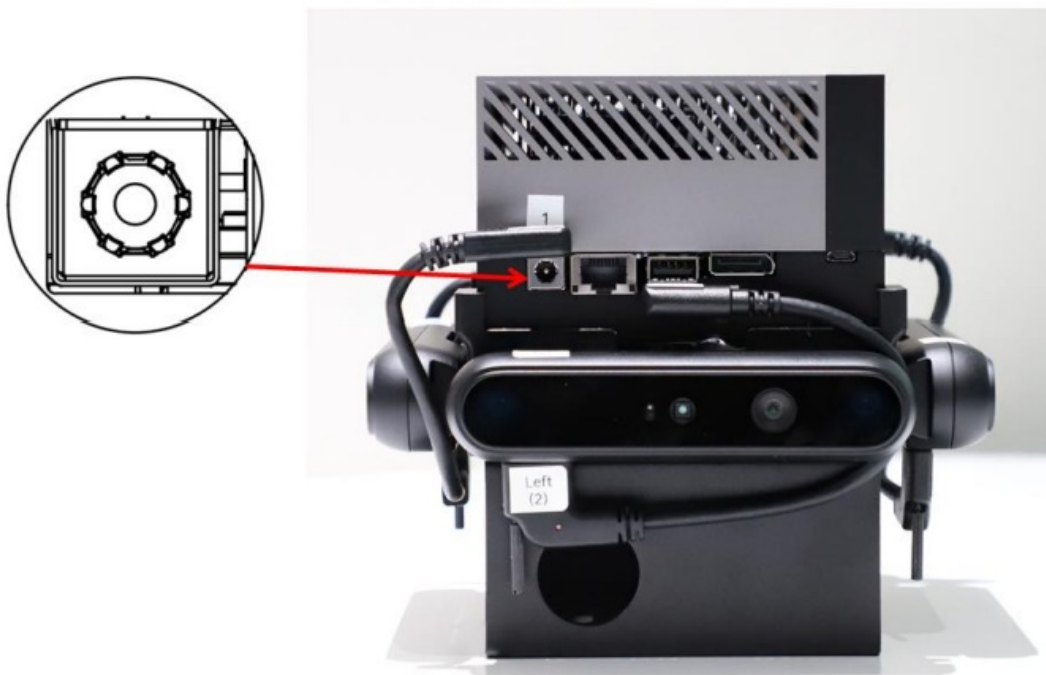Plug in cable 3-3 (type A to C) for camera 3 (right camera)

Plug in cable 4-4 (type C to C) for camera 4 (back camera)

Step 3: Provide power to the DevKit

Power the Jetson AGX Orin using the barrel DC power connector.

Step 3: First Boot Up

Log into the Jetson AGX Orin using the username and password below.

Default Username: orbbec
Password: orbbec

Step 4: Software Start Up

When ready, open the Orbbec Perceptor Developer Kit (OPDK) online document to get started (https://github.com/orbbec/opdk).

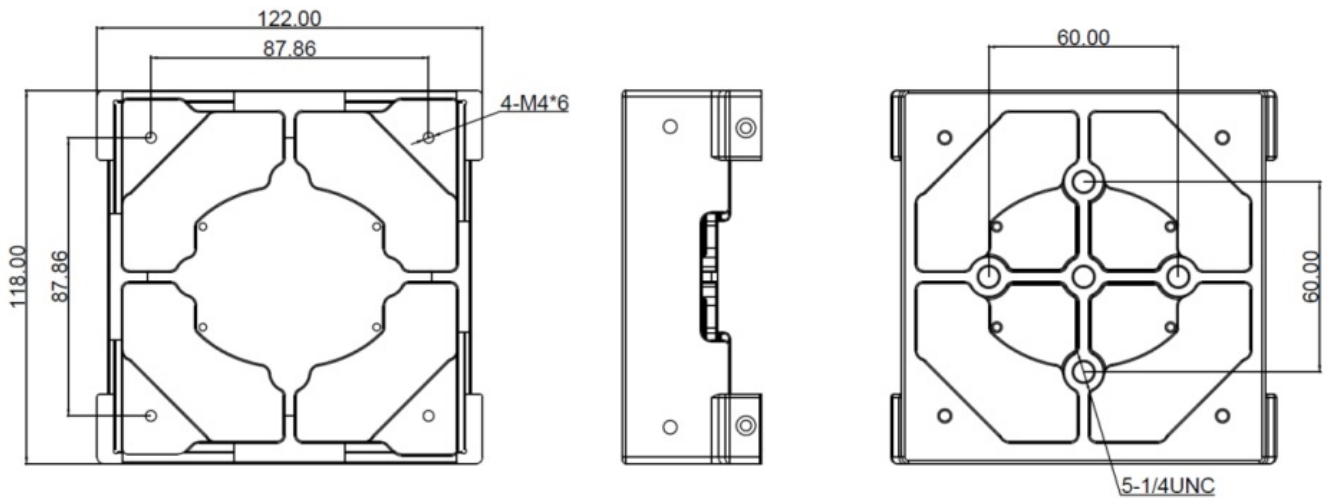**List of Pre-Installed Software Environment**

- **a**. NVIDIA Jetson Linux JetPack6.1
- **b**. NVIDIA Issac Perceptor 3.2 (NVblox and cuVSLAM)
- **c**. OrbbecSDK_ROS2 OPDK Branch
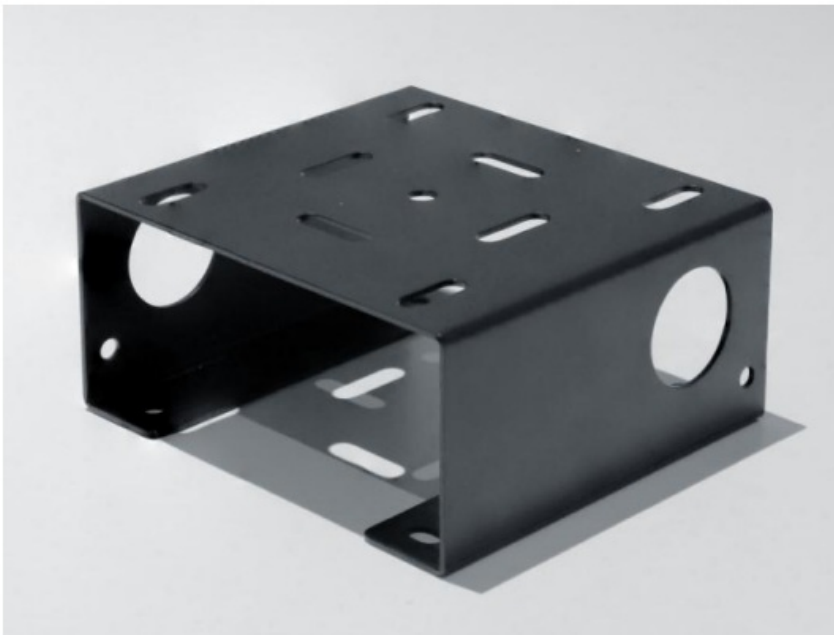
Mounting Guide
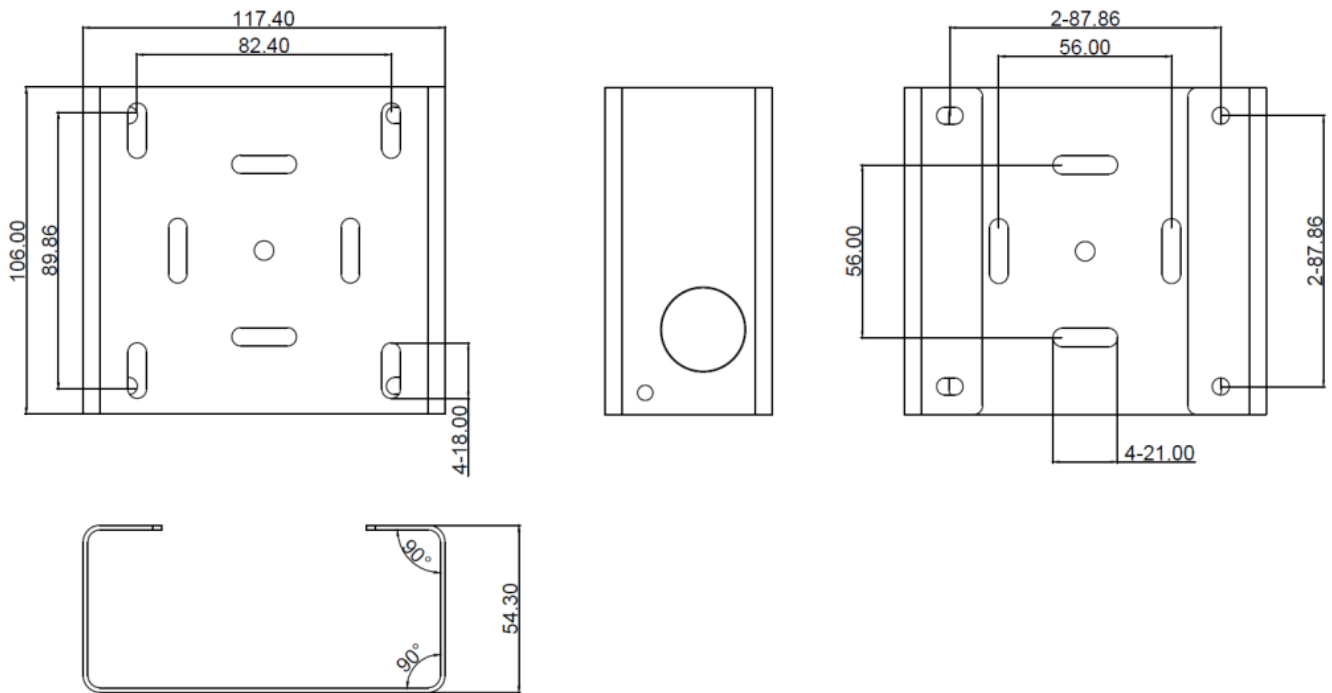
1. Photo of the camera mounting base

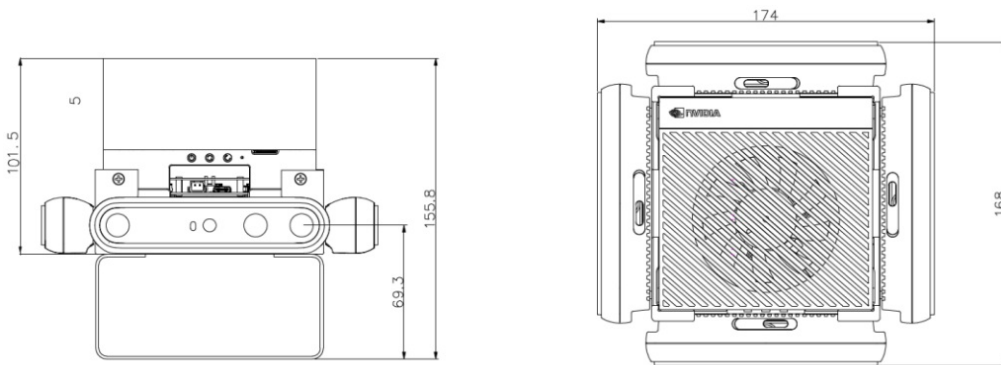2. 2D sketches of the camera mounting base (unit:mm)

3. Photo of the Robot Mounting Adapter Bracket

4. 2D sketches of the Robot Mounting Adapter Bracket (unit: mm)

5. 2D sketches of the full assembly (unit: mm)

Documents / Resources

	ORBBEC OPDK Perceptor DevKit [pdf] User Guide OPDK Perceptor DevKit, OPDK, Perceptor DevKit, DevKit

References

- [User Manual](#)

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search