

Hardware Testing

Hardware required:

1. Assembled Pluto Drone
2. USB Camera

This file contains instructions to test all the given hardware.

- Attach the USB camera to PC/Laptop and test the camera by following the instructions in the [Camera](#) folder.
- Assemble the drone and install the required ROS package by following the instructions in the [Drone](#) folder.

Testing Instructions:

1. Install and configure the ROS package for the drone by following the instructions given in [Testing_Drone.pdf](#).
2. Connect the drone through Wi-Fi and launch the required file.
3. Press the “a” key on the keyboard to Arm the drone.
4. Press the “d” key on the keyboard to Disarm the drone.
5. You have to record the video of Arming and Disarming the drone **ONLY**.
6. A sample video of drone testing is shown [here](#). Please note that the drone shown in the video is an older version but the commands are still the same and hold good.
7. Attach the USB camera provided in the kit to a PC/Laptop and start the camera node by following the [Testing_Camera.pdf](#).
8. Ensure you are able to receive the camera input on your computer/laptop.
9. Use the screen recorder and start recording the screen which shows the camera output.

Note: Maximum length of the video must be 2 minutes only.

Instructions for uploading the video are provided in the Shipment tab of the portal.