

Common Problem Analysis

1. The position and angle of grabbing and placing are wrong, and the cube cannot be clamped tightly?

Answer: Please make sure that the map is installed correctly first, and then use the APP to calibrate the servo.

2. The color recognition effect is not good?

Answer: Since the light in each environment may be different, HSV color calibration is required before starting the experimental routine.

3. The servo behaves abnormally, but can be controlled separately?

Answer: Turn off the power of the device, check whether the power supply is normal, and then power it on again.

4. Garbage classification cannot be recognized normally?

Answer: When garbage classification is recognized, the small cube needs to be placed flat, and the words are facing the direction of the robot arm.

5. When the Jetson Nano flagship version is installed with a 10.1-inch screen, is there a problem with the USB interface allocation?

Answer: Since Jetson Nano uses a USB flash drive as a system disk, it will occupy a USB port. The 10.1-inch screen comes with two USB cables, one for power supply and one for touch. You need to unplug the receiver of the wireless controller before you can plug in both USB cables at the same time; or only connect one screen power cable and wireless controller receiver, and you cannot touch at this time.

6. The supporting products include a variety of building blocks. How to use them in routines?

Answer: The routines with -2D in the course chapters all use 30*30*30 small square building blocks for experiments. Three-dimensional gameplay uses different building blocks according to different routines.

7. What is the system username and password?

Answer: System username: jetson, password: yahboom

8. What is the name and password of the factory hotspot signal?

Answer: Factory hotspot signal name: DOFBOT-Pro, password: 12345678