Common Problem Analysis

1. Why do you need to download the program through the serial port?

Answer: Since the car does not have the program burned in when it leaves the factory, the user needs to burn the program to control the car.

2. How to find the serial port number corresponding to Arduino Uno?

Open the system's built-in device manager and check the serial port device in the port option.

3. Why does the program fail to be uploaded to Arduino Uno?

Answer: It is usually caused by the serial port being occupied or the wrong development board and serial port number being selected; we can first check whether the development board model and serial port number selected by Arduino IDE are correct, and then check whether the WiFi camera is installed on the expansion board and occupies the serial port.

4. Why can't the APP remote control see the picture?

Answer: The picture transmitted by the WiFi camera requires the device to be in the same LAN. If it is not in the same LAN or the Yahboom Cam login IP is wrong, the picture of the WiFi camera cannot be seen; we recommend that users use the hotspot that comes with the WiFi camera to control it. The login IP of the built-in hotspot is 192.168.4.1.

5. Why can't the APP remote control control the car?

Answer: We can check whether the car program contains the function of WiFi remote control car, and then re-upload the program to test the APP remote control function.

6. No response when the APP remote control servo rotates to the far left or far right?

Answer: The program limits the rotation angle of the servo sent by the APP, and the control rotation range is [35°, 145°], so as to avoid collision or squeezing between the WiFi camera and the car expansion board.

Since we only limit the rotation angle of the servo in the car program, and there is no limit control on the APP, the data sent by the APP is 0°-180°, and the servo can only rotate within the range of 35°-145°. Therefore, the angle of the servo controlled by the APP exceeds the range limited by the program, and the angle beyond the limit needs to be reversed to return to normal control.

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For example: The APP keeps clicking the servo to rotate left, and continues to
click even if the servo does not rotate. Assuming that the angle sent by the APP
is 180° at this time, we need to click the servo to rotate right 35 times before
we can return to normal control of the servo rotation
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7. Why can't the infrared remote control control the car?

Answer: First, we can use the mobile phone camera to aim at the indicator light of the infrared remote control, press the infrared remote control button, and check whether the infrared remote control has a purple light flashing, so as to check whether the infrared remote control is normal; then, we can check whether the car program contains the infrared remote control car function,

and then re-upload the program to test the infrared function.