

9. Visual Inspection -OpenCV

9. Visual Inspection -OpenCV

1. Program function description
3. Program reference path
4. The program starts
 - 4.1. Modify the HSV value
 - 4.2. Start the patrol

1. Program function description

After the program starts, the car will read the set HSV value and automatically follow the path line of the corresponding color.

The [L1] button on the handle locks/turns on the car's motion control. When motion control is enabled, the function is locked; This function can be turned on when the motion control is locked.

3. Program reference path

After SSH connection car, the function source code is located in,

```
/userdata/yahboomcar_ws/src/yahboomcar_linefollower/yahboomcar_linefollower/line  
follower.py
```

4. The program starts

4.1. Modify the HSV value

After SSH connects to the car, the terminal runs,

```
sudo vim  
/userdata/yahboomcar_ws/src/yahboomcar_linefollower/yahboomcar_linefollower/Line  
HSV.txt
```

Enter a range of HSV values in the format:

```
H_min,S_min,V_min,H_max,S_max,V_max
```

For example, enter the range of the black line:

