

Hough circle detection

1. Use

Code path: ~/yahboomcar_ws/src/opencv_apps/launch

- Start the camera

```
roslaunch yahboomcar_visual opencv_apps.launch img_flip:=false
```

- img_flip parameter: whether the image needs to be flipped horizontally, the default is false.

[usb_cam-test.launch] file opens the [web_video_server] node by default, and you can directly use the [IP:8080] web page to view images in real time.

- Start the corner detection function of Opencv_apps

```
roslaunch opencv_apps hough_circles.launch # Hough circle  
detection
```

The debug_view for some functions is disabled, and there is no screen appearing. You can view the effect in the following two ways.

The reason for closing debug_view is that it will generate errors on the terminal, but the actual effect has not been affected!

- Local view image

Enter the following command to select the corresponding topic

```
rqt_image_view
```

- LAN view image

(Same as under LAN) Enter IP+port in the browser, for example:

```
192.168.2.150:8080
```

3. Effect display

You can see an adjustable window appear on the screen, and a round frame detection appears at the same time.

