

# Polygon outline

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### 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.

The [usb\_cam-test.launch] file opens the [web\_video\_server] node by default, and you can directly use the [IP:8080] web pages to view images in real time.

- Start the corner detection function of Opencv\_apps

```
roslaunch opencv_apps convex_hull.launch # Polygonal outline
```

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 Screen

Enter the following command and select the corresponding topic to see the effect:

```
rqt_image_view
```

- LAN viewing screen

In the same local area network, enter IP+port (8080) in the browser, for example:

```
192.168.2.150:8080 # IP is the IP of the host computer
```

### 2. Effect display

Combine the images captured by the camera into a polygonal outline.

