

# Simple filter

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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.

[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 smoothing.launch # Simple filters
```

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
```

## 2. Effect display

You can move the slider to see the filtered image,

## Smoothing Demo

Kernel Size :

7

