

## 19、HLS color filtering

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### 19.1、Use

Source code launch file path: ~/jetcobot\_ws/src/opencv\_apps/launch

Step 1: Start the camera

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

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

Step 2: Start the corner detection function of Opencv\_apps

```
roslaunch opencv_apps hls_color_filter.launch #HLS Color Filtering
```

Each functional case will have a parameter [debug\_view], Boolean type, whether to use Opencv to display images, which is displayed by default.

If no display is required, set it to [False], for example

```
roslaunch opencv_apps contour_moments.launch debug_view:=False
```

However, after starting in this way, some cases cannot be displayed in other ways, because in the source code, some [debug\_view] is set to [False], which will turn off image processing.

### 19.2、Display method

- rqt\_image\_view

Enter the following command to select the corresponding topic

```
rqt_image_view
```

- opencv

The system displays it by default and no processing is required.

### 19.3、Effect display diagram

The following picture is the picture after hls filtering:

