23.LK optical flow algorithm

1. Use

Source code launch file path: ~/jetcobot_ws/src/opencv_apps/launch

Step 1: Start camera

roslaunch jetcobot_visual opencv_apps.launch img_flip:=false

• img_flip parameter: Whether the image needs to be horizontally flipped, default is false.

The [usc_cam-test.launch] file defaults to the [web-video_user] node, which allows real-time viewing of images directly using the [IP: 8080] webpage.

Step 2: Start OpenCv-apps feature

roslaunch opencv_apps lk_flow.launch # LK optical flow algorithm

Each feature case will have a parameter [debug-view], boolean type, whether to use Opencv to display images, default display.

If it is not necessary to display, set it to [False], for example

roslaunch opencv_apps contour_moments.launch debug_view:=False

However, after starting in this way, some cases may not be displayed through other means because in the source code, if the debug-view is set to False, the image processing will be turned off.

2. Display method

rqt_image_view

Input the following command to select the corresponding topic

rqt_image_view

opencv

The system defaults to display, no further processing is required.

View webpage

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

192.168.2.116:8080

Specific IP address, use your current robot's IP address.

3. Effect display

