23、LK optical flow algorithm

23.1、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.

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.

23.2、Display method

- rqt_image_view

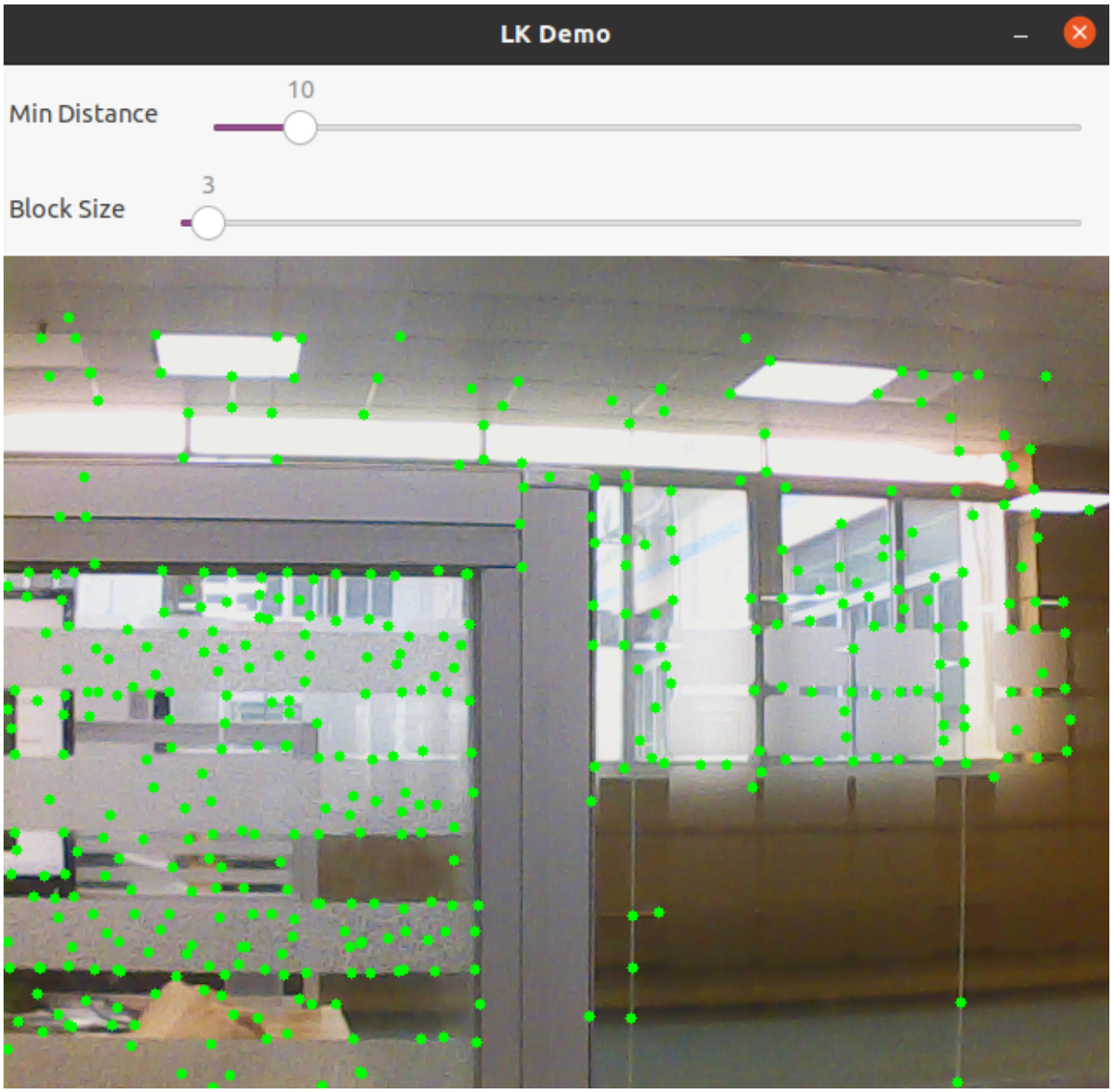
Input the following command to select the corresponding topic

```
rqt_image_view
```

- opencv

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

23.3、Effect display


LK Demo
Min Distance
10
Block Size
3