

安装如下

## 安装 libfreenect2

```
cd ~/catkin_ws/src
```

```
git clone https://github.com/OpenKinect/libfreenect2.git
```

```
cd libfreenect2
```

```
sudo apt-get install build-essential cmake pkg-config
```

```
sudo apt-get install libusb-1.0-0-dev
```

```
sudo apt-get install libturbojpeg libjpeg-turbo8-dev
```

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```
sudo apt-get install libglfw3-dev
```

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```
sudo apt-get install beignet-dev
```

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```
sudo apt-get install libopenni2-dev
```

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```
mkdir build && cd build
```

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```
cmake .. -DCMAKE_INSTALL_PREFIX=$HOME/freenect2
```

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.

```
make
```

.

.

```
make install
```

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```
sudo cp ../platform/linux/udev/90-kinect2.rules /etc/udev/rules.d/
```

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```
sudo apt-get install openni2-utils && sudo make install-openni2 && NiViewer2
```

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测试一下

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```
./bin/Protonect cpu
```

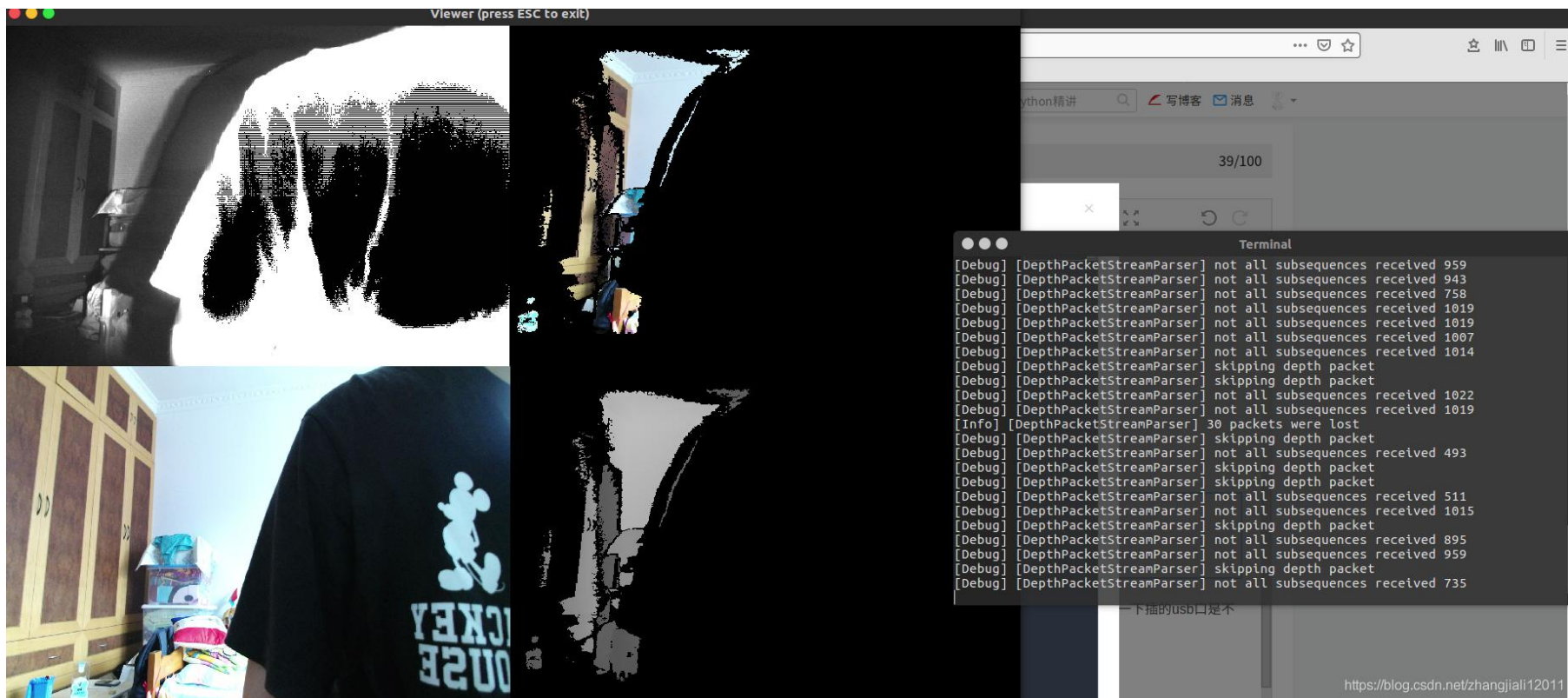
.

```
./bin/Protonect gl
```

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```
./bin/Protonect cl
```

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这里有两个问题注意一下，一个是很多人遇到的。./bin/Protonect 测试的时候显示 **no device**，这个问题可以考虑一下插的 usb 口是不是 usb3.0，kinect2 比较金贵，只能在 usb3.0 口运行。有时候已经是 usb3.0 了 kinect2 也会闹小脾气检测不到设备，重新插拔，或者换个插口就好了。

另一个是 ./bin/Protonect 的时候报错 **bash: ./bin/Protonect: No such file or directory**

这个只要进入正确的路径即可

```
cd ~/catkin_ws/src/libfreenect2/build
```

## 安装 iai\_kinect2

```
cd ~/catkin_ws/src/
```

```
git clone https://github.com/code-iai/iai_kinect2.git
```

```
cd iai_kinect2
```

```
rosdep install -r --from-paths .
```

```
cd ~/catkin_ws
```

```
catkin_make -DCMAKE_BUILD_TYPE="Release"
```

测试一下

```
roslaunch kinect2_bridge kinect2_bridge.launch
```

```
roslaunch kinect2_viewer kinect2_viewer
```

