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1. 说明

官方提供了一些工具供用户使用，当安装好libsensorSDK后，在/usr/bin文件夹中可看到一下工具

rs-align	rs-capture	rs-depth-quality	rs-gl	rs-pointcloud	rs-record	rs-software-device
rs-align-advanced	rs-color	rs-distance	rs-hello-realsense	rs-pose	rs-record-playback	rs-terminal
rs-ar-basic	rs-convert	rs-enumerate-devices	rs-measure	rs-pose-and-image	rs-roshag-inspector	rs-tracking-and-depth
rs-benchmark	rs-data-collect	rs-fw-logger	rs-motion	rs-pose-predict	rs-save-to-disk	rs-trajectory
rs-callback	rs-depth	rs-fw-update	rs-multicam	rs-post-processing	rs-sensor-control	

2. 修改相机参数

使用 rs-sensor-control，根据提示修改相应参数。

2.1. 关闭红外投射

```
//打开terminal 运行命令  
rs-sensor-control
```

```
Found the following devices:  
  
0 : Intel RealSense D435I #912112074105  
  
Select a device by index: 0
```

输入0然后按回车键

```
Device information:  
Name : Intel RealSense D435I  
Serial Number : 912112074105  
Firmware Version : 05.11.01.100  
Recommended Firmware Version : 05.11.15.00  
Physical Port : /sys/devices/pci0000:00/0000:00:14.0/usb4/4-2/4-2:1.0/video4linux/video1  
Debug Op Code : 15  
Advanced Mode : YES  
Product Id : 0B3A  
Camera Locked : YES  
Usb Type Descriptor : 3.2  
Product Line : D400  
Asic Serial Number : 919423050420  
Firmware Update Id : 919423050420  
  
=====
```

```
Device consists of 3 sensors:  
  
0 : Stereo Module  
1 : RGB Camera  
2 : Motion Module  
  
Select a sensor by index: 0
```

选择Stereo Module 输入0。

```
What would you like to do with the sensor?  
  
0 : Control sensor's options  
1 : Control sensor's streams  
2 : Show stream intrinsics  
3 : Display extrinsics  
  
Select an action: 0
```

输入0，选择control sensor's options，在终端会输出各个参数选项的id及描述。

```
43: Stream Filter is not supported
44: Stream Format Filter is not supported
45: Stream Index Filter is not supported
46: Emitter On Off
    Description : Emitter On/Off Mode: 0:disabled(default), 1:enabled(emitter toggles between on and off). Can only be set before streaming
    Current Value : 0
47: Zero Order Point X is not supported
48: Zero Order Point Y is not supported
49: Lld Temperature is not supported
50: Mc Temperature is not supported
51: Ma Temperature is not supported
52: Hardware Preset is not supported
53: Global Time Enabled
    Description : Enable/Disable global timestamp.
    Current Value : 1
54: Apd Temperature is not supported
55: Enable Mapping is not supported
56: Enable Relocalization is not supported
57: Enable Pose Jumping is not supported
58: Enable Dynamic Calibration is not supported
59: Depth Offset is not supported

select an option by index: █
```

输入18，emitter enabled。

```
Supported range for option Emitter Enabled:
Min Value : 0
Max Value : 1
Default Value : 1
Step : 1
Change option's value?[y/n]: y
Enter the new value for this option: █
```

如果需要关闭红外投射则输入0。

3. 查看相机配置信息

rs-enumerate-devices 可以查看相机图像能配置的分辨率列表。