1. Download SDK and Documentation

SDK&Demo download
中国大陆地区请访问百度网盘，提取码: be87

2. We choose Arm64 and make the example as follows:

To run visual samples(e.g., SimpleViewer), you will need freeglut3 header and libaries, please install:

```
$ sudo apt-get install build-essential freeglut3 freeglut3-dev
```

check udev version, Orbbec Driver need libudev.so.1, if can't find it, can make symbolic link from libudev.so.x.x, which usually locate in /lib/x86_64-linux-gnu or /lib/i386-linux-gnu

```
$ldconfig -p | grep libudev.so.1
$cd /lib/aarch64-linux-gnu
$sudo ln -s libudev.so.x.x.x libudev.so.1
```

copy tgz file to any place you want(e.g., Home)

unzip tgz file

```
$ tar zxvf OpenNI_2.3.0.63.tar.gz
$ cd OpenNI_2.3.0.63/Linux/OpenNI-Linux-Arm64-2.3.0.63
```

run install.sh to generate OpenNIDevEnvironment, which contains OpenNI development environment (run sudo chmod 777 install.sh for elevated permission)

```
$ sudo ./install.sh
```

- please replug in the device for usb-register

add environment variables

```
$ source OpenNIDevEnvironment
```

build sample(e.g., SimpleViewer)

```
$ cd Samples/SimpleViewer
$ make
```

run sample

connect sensor

```
$ cd Bin/Arm64-Release
$ ./SimpleViewer
```

now you should be able to see a GUI window showing the depth stream video

- for using with Astra Embedded S/Stereo S

please change the resolution in 'orbbec.ini' to 'Resolution=17' for Depth and IR streams

Documentation

```
OpenNI_2.3.0.63/Windows/Astra OpenNI2 Development Instruction(x64)_V1.3/OpenNI2/OpenNI-Windows-x64-2.3.0.63/Documentation/OpenNI.chm
```