**0) Hardware Install**

Please add one usb hub with independent power supply. Then insert the double head USB cable together on the USB hub and connect the usb hub to your PC.

**1) SET POINTCLOUD\_SDK\_PATH**

To install vim and cmake, please run:

*sudo apt-get install cmake vim*

Please run *# uname -a* to check system platform version first.

|  |  |
| --- | --- |
| **Plateform** | **SDK Path** |
| MacOs | /libs/macos |
| Ubuntu | /libs/ubuntu |
| Ubuntu arm64 | /libs/ubuntu\_arm |
| Windows | /libs/windows |

Modify .bashrc to set environment variables：

*# vim ~/.bashrc*

add below source code to the end of bashrc file：

*export POINTCLOUD\_SDK\_PATH="your\_directory/libs/windows"*

*export PATH=$POINTCLOUD\_SDK\_PATH/lib:$POINTCLOUD\_SDK\_PATH/bin:$PATH*

We need to make above changes come into effect：

*# source ~/.bashrc*

Finally, echo the constant to verify ：

*# echo $POINTCLOUD\_SDK\_PATH*

**2) Make**

In the root directory of SDK, run below commands one by one：

*$ mkdir build*

*$ cd build/*

*$ cmake ..*

*$ make*

You can get message as below:

*[100%] Built target DepthMeasure*

Plug the module and run it:

*./bin/DepthMeasure*

You can see the result!