第一步:下载 osdk-master

git clone https://github.com/dji-sdk/Onboard-SDK.git

```
dji@manifold2:~/project/test$ git clone https://github.com/dji-sdk/Onboard-SDK.git
Cloning into 'Onboard-SDK'...
remote: Enumerating objects: 2536, done.
remote: Counting objects: 100% (2536/2536), done.
remote: Compressing objects: 100% (742/742), done.
remote: Total 11122 (delta 1618), reused 2484 (delta 1601), pack-reused 8586
Receiving objects: 100% (11122/11122), 89.75 MiB | 951.00 KiB/s, done.
Resolving deltas: 100% (6200/6200), done.
Checking connectivity... done.
```

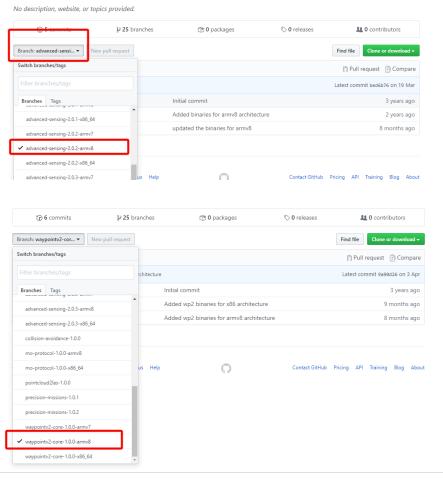
第二步:编译 cd Onboard-SDK/ mkdir build

cd build

```
dji@manifold2:~/project/test$ cd Onboard-SDK/
dji@manifold2:~/project/test/Onboard-SDK$ mkdir build
dji@manifold2:~/project/test/Onboard-SDK$ cd build
dji@manifold2:~/project/test/Onboard-SDK$ cd build
dji@manifold2:~/project/test/Onboard-SDK/build$ cmake .. -DADVANCED_SENSING=ON -DWAYPT2_CORE=ON
```

到 https://github.com/dji-sdk/Onboard-SDK-Resources/

选择相应平台的 AD 包和 WPv2 包并下载



先将 AD 和 WPv2 存放到 Onboard-SDK/osdk-core 目录下

```
ji@manifold2:~/project/test/Dnboard-SDK/osdk-core$ ll
total 9324
drwxrwxr-x 9 dji dji
                         4096 Nov 25 13:35
drwxrwxr-x 9 dji dji
                         4096 Nov 25 13:26
drwxrwxr-x 4 dji dji
                        4096 Nov 25 13:25 api/
                        11159 Nov 25 13:25 CMakeLists.txt
 rw-rw-r-- 1 dji
                 dji
drwxrwxr-x 3 dji dji
                         4096 Nov 25 13:27 cmake-modules,
 rw-rw-r-- 1 dji dji
                          121 Nov 25 13:25 config_example.json
                          65 Nov 25 13:25 .gitignore
             dji dji
 - rw- rw- r--
             dji
                         4096 Nov 25
                                     13:25 hal/
drwxrwxr-x 4
                 dji
             dji dji
                         4096 Nov 25
                                     13:25 module
drwxrwxr-x 4
                                     13:31 Onboard-
13:31 Onboard-
                 dji
 rw-r--r-- 1 dji
                      1576929 Nov 25
                      7907551 Nov 25
             dji dji
                         4096 Nov 25 13:25 placiorm/
4096 Nov 25 13:25 protocol/
818 Nov 25 13:25 README.md
 drwxrwxr-x 7
             dji dji
drwxrwxr-x 4 dji dji
 rw-rw-r-- 1 dji
drwxrwxr-x 4 dji
                              Nov 25 13:25 utilit
解压 advanced-sensing-2.0.3
unzip Onboard-SDK-Resources-advanced-sensing-2.0.3-armv8.zip
cd Onboard-SDK-Resources-advanced-sensing-2.0.3-armv8/
tar zxf advanced-sensing-2.0.3.tar.gz
mkdir advanced-sensing-2.0.3
mv inc/ advanced-sensing-2.0.3
mv lib/ advanced-sensing-2.0.3
mv advanced-sensing-2.0.3 ../
cd ../
rm -rf Onboard-SDK-Resources-advanced-sensing-2.0.3-armv8*
解压 AD 包并创建 advanced-sensing-2.0.文件夹包含 inc 和 lib,移动到 osdk-core 目录下
dji@manifold2:~/project/test/Onboard-SDK/osdk-core$ ll
total 7796
drwxrwxr-x 12 dji dji
                           4096 Nov 25 13:44
                          4096 Nov 25 13:26 ../
4096 Nov 25 13:39 advanced-sensing-2.0.3/
drwxrwxr-x
            9 dji dji
drwxrwxr-x
            4 dji dji
drwxrwxr-x
            4 dji dji
                          4096 Nov 25 13:25 ap1/
                          11159 Nov 25 13:25 CMakeLists.txt
             1 dji dji
                          4096 Nov 25 13:27 cmake-modules/
121 Nov 25 13:25 config_example.json
             3 dji dji
drwxrwxr-x
             1 dji dji
                          65 Nov 25 13:25 .gitignore
4096 Nov 25 13:25 hal/
               dji dji
drwxrwxr-x
             4 dji dji
drwxrwxr-x
               dji dji
                          4096 Jun
                                    2 07:55 inc/
drwxrwxr-x
             2 dji dji
                           4096 Jun
                                     2 07:55 lib/
                           4096 Nov 25 13:25 modules/
drwxrwxr-x
            4 dji dji
             1 dji dji 7907551 Nov 25 13:31
drwxrwxr-x
             7 dji dji
                           4096 Nov 25 13:25 platform/
                           4096 Nov 25 13:25 protocol/
818 Nov 25 13:25 README.md
drwxrwxr-x
            4 dji dji
               dji
                   dji
drwxrwxr-x
            4 dji dji
                           4096 Nov 25 13:25 utility/
WPv2 也是类似如上的操作步骤:
unzip Onboard-SDK-Resources-waypointv2-core-1.0.0-armv8.zip
cd Onboard-SDK-Resources-waypointv2-core-1.0.0-armv8/
tar zxf waypointv2-core-1.0.0.tar.gz
mkdir waypointv2-core-1.0.0
mv inc/ waypointv2-core-1.0.0
mv lib/ waypointv2-core-1.0.0
mv waypointv2-core-1.0.0 ../
cd ../
rm -rf Onboard-SDK-Resources-waypointv2-core-1.0.0-armv8*
```

```
dji@manifold2:~/project/test/Onboard-SDK/osdk-core$ 11
total 76
drwxrwxr-x 13 dji dji 4096 Nov 25 13:48 ./
drwxrwxr-x 9 dji dji 4096 Nov 25 13:26 ../
drwxrwxr-x 4 dji dji 4096 Nov 25 13:39 advanced-sensii
drwxrwxr-x 4 dji dji 4096 Nov 25 13:25 api/
-rw-rw-r-- 1 dji dji 11159 Nov 25 13:25 CMakeLists.txt
                                        4096 Nov 25 13:39 advanced-sensing-2.0.3/
drwxrwxr-x 3 dji dji
                                        4096 Nov 25 13:27 cmake-modules/
 -rw-rw-r-- 1 dji dji
                                           121 Nov 25 13:25 config example.json
 -rw-rw-r-- l dji dji
                                           65 Nov 25 13:25 .gitignore
drwxrwxr-x 4 dji dji 4096 Nov 25 13:25 hal/
drwxrwxr-x 2 dji dji 4096 Jun 2 07:55 inc/
drwxrwxr-x 2 dji dji 4096 Jun 2 07:55 lib/
drwxrwxr-x 4 dji dji 4096 Nov 25 13:25 modul
drwxrwxr-x 7 dji dji 4096 Nov 25 13:25 plati
drwxrwxr-x 4 dji dji 4096 Nov 25 13:25 proto
-rw-rw-r-- 1 dji dji 818 Nov 25 13:25 READN
                                        4096 Jun 2 07:55 inc/
4096 Jun 2 07:55 lib/
4096 Nov 25 13:25 modules/
                                         4096 Nov 25 13:25 platform/
                                        4096 Nov 25 13:25 protocol/
                                          818 Nov 25 13:25 README.md
drwxrwxr-x 4 dji dji 4096 Nov 25 13:25 utilitv/
drwxrwxr-x 4 dji dji 4096 Nov 25 13:48 waypointv2-core-1.0.0/
dji@manifold2:~/project/test/Onboard-SDK/osdk-core$ [
```

最后完成编译

cd ../build

cmake .. -DADVANCED_SENSING=ON -DWAYPT2_CORE=ON make