

## Software

OS: win7 Service Pack 1

Cmake (cmake-gui) Version: 3.12.0

Updated PLC to be → PCL-1.8.1-AllInOne-msvc2015-win64

Visual studio 14 2015 Win64

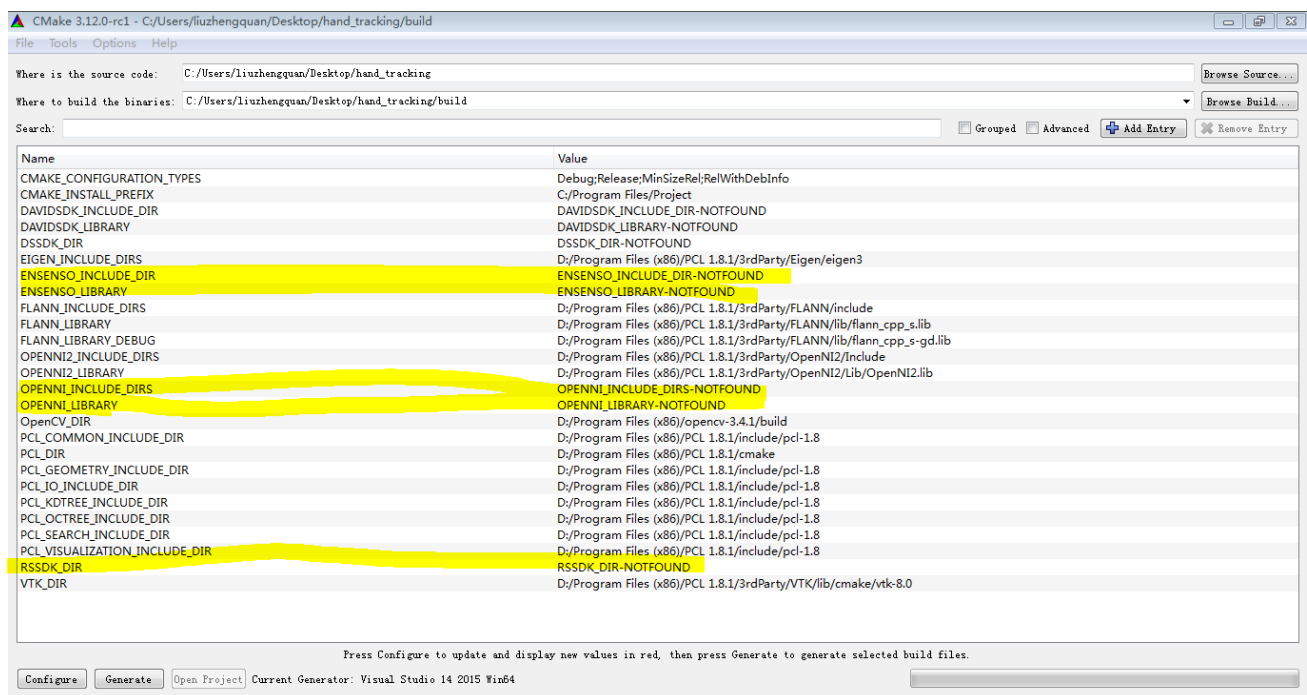
DemoApplications: TinTin, hand\_tracking

## Hardware

OPT8241-CDK-EVM

## Issue

When I used the cmake-gui to build the project hand\_tracking, found **warnings** as following:



```

Boost version: 1.64.0
Found the following Boost libraries:
  system
  filesystem
  thread
  date_time
  iostreams
  serialization
  chrono
  atomic
  regex
Could NOT find openni (missing: OPENNI_LIBRARY OPENNI_INCLUDE_DIRS)
** WARNING ** io features related to openni will be disabled
Could NOT find ensenso (missing: ENSENSO_LIBRARY ENSENSO_INCLUDE_DIR)
** WARNING ** io features related to ensenso will be disabled
Could NOT find DAVIDSDK (missing: DAVIDSDK_LIBRARY DAVIDSDK_INCLUDE_DIR)
** WARNING ** io features related to davidSDK will be disabled
Could NOT find DSSDK (missing: _DSSDK_LIBRARIES)
** WARNING ** io features related to dssdk will be disabled
Could NOT find RSSDK (missing: _RSSDK_LIBRARIES)
** WARNING ** io features related to rssdk will be disabled
** WARNING ** io features related to pcap will be disabled
** WARNING ** io features related to png will be disabled
Could NOT find openni (missing: OPENNI_LIBRARY OPENNI_INCLUDE_DIRS)
** WARNING ** visualization features related to openni will be disabled
Could NOT find ensenso (missing: ENSENSO_LIBRARY ENSENSO_INCLUDE_DIR)
** WARNING ** visualization features related to ensenso will be disabled
Could NOT find DAVIDSDK (missing: DAVIDSDK_LIBRARY DAVIDSDK_INCLUDE_DIR)
** WARNING ** visualization features related to davidSDK will be disabled

Could NOT find DSSDK (missing: _DSSDK_LIBRARIES)
** WARNING ** visualization features related to dssdk will be disabled
Could NOT find RSSDK (missing: _RSSDK_LIBRARIES)
** WARNING ** visualization features related to rssdk will be disabled
looking for PCL_COMMON
looking for PCL_OCTREE
looking for PCL_IO
looking for PCL_KDTREE
looking for PCL_GEOMETRY
looking for PCL_SEARCH
looking for PCL_VISUALIZATION
OpenCV ARCH: x64
OpenCV RUNTIME: vc14
OpenCV STATIC: ON
Found OpenCV 3.4.1 in D:\Program Files (x86)\opencv-3.4.1\build\x64\vc14\lib
You might need to add D:\Program Files (x86)\opencv-3.4.1\build\x64\vc14\bin to your PATH to be able to run your applications.
Configuring done

```

➔ According to your experience, shall I download Ensenso, OPENNI and RSSDK as WARNING mentioned SDK to fix them or I could ignore these warnings? The project and code can be generated now.

When I use the command in Windows terminal: `cmake --build . --target ALL_BUILD --config Release`, found as following warnings and errors

| 错误列表   |       |  |      |          |                   |  |
|--------|-------|--|------|----------|-------------------|--|
| 整个解决方案 |       | 错误 3   | 警告 4 | 消息 0     | 生成 + IntelliSense |  |
|        | 代码    | 说明   | 项目   | 文件       | 行                 |  |
| ⚠      | D9002 | 忽略未知选项 "-msse2"  | main | cl       | 1                 |  |
| ⚠      | D9002 | 忽略未知选项 "-pthread"                                      | main | cl       | 1                 |  |
| ⚠      | D9002 | 忽略未知选项 "-fPIC"   | main | cl       | 1                 |  |
| ⚠      | D9002 | 忽略未知选项 "-ffast-math"                                   | main | cl       | 1                 |  |
| ✖      | C1083 | 无法打开包括文件: "CameraSystem.h" : No such file or directory | main | TOFApp.h | 19                |  |
| ✖      | C1083 | 无法打开包括文件: "CameraSystem.h" : No such file or directory | main | TOFApp.h | 19                |  |
| ✖      | C1083 | 无法打开包括文件: "CameraSystem.h" : No such file or directory | main | TOFApp.h | 19                |  |

Warning code = D9002, ignore unknown item "-msse2 -pthread -fPIC -ffast-math"

Error code = C1083, Cannot open include file "CameraSystem.h"

➔ Do you have some ideas about issues? Can you provide Windows template of hand\_tracking CMakeLists.txt file for me to learn how to make changes?

Thanks a lot!