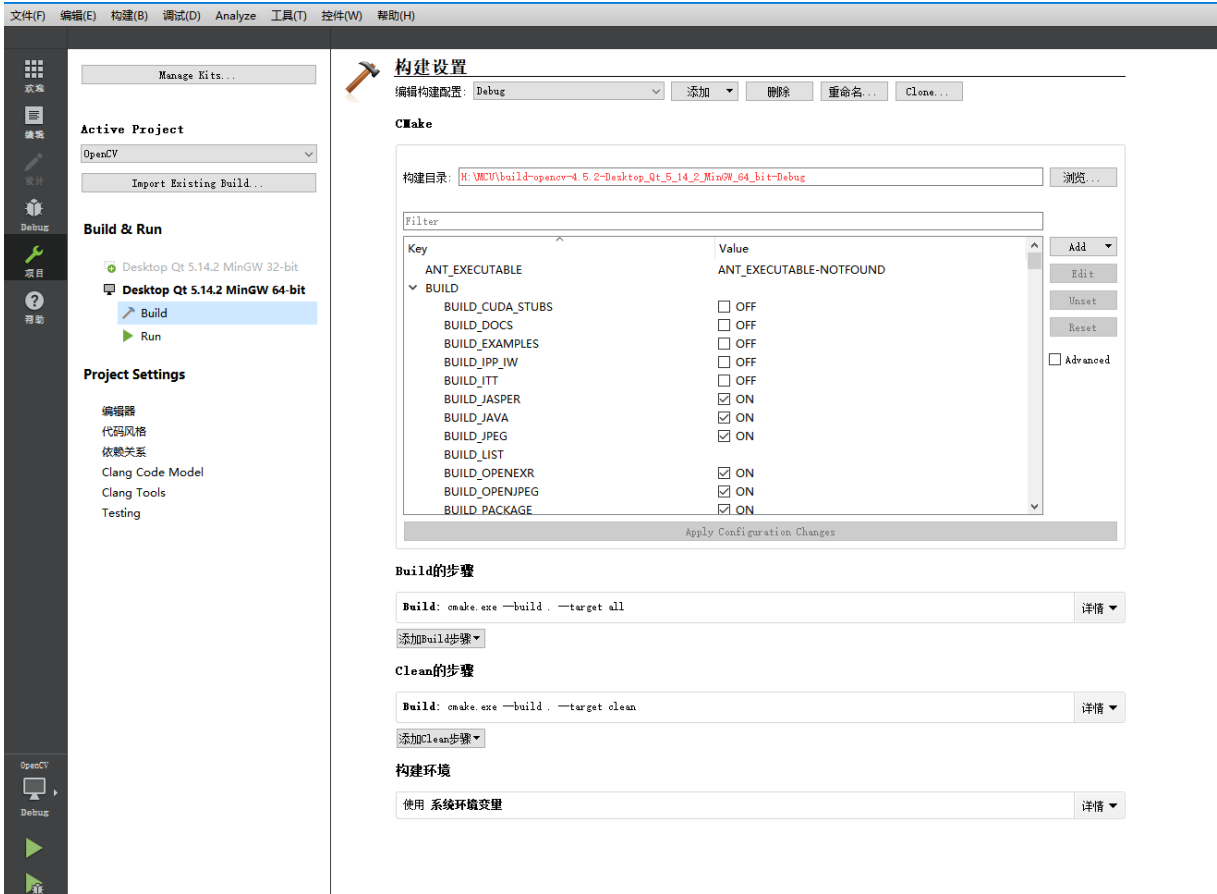


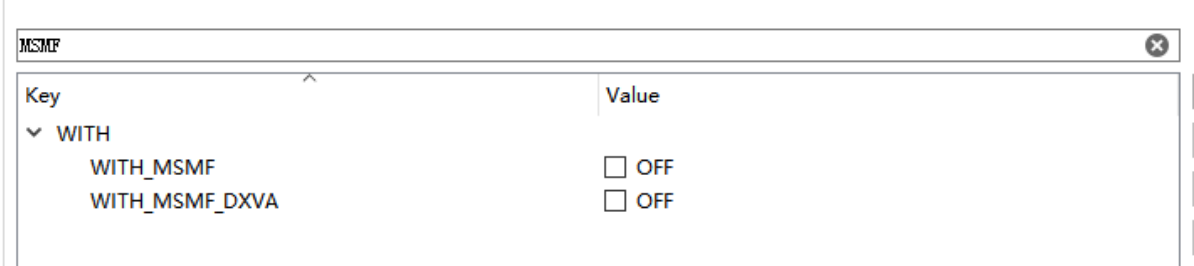
2.Window平台Qt环境源码编译

1.编译opencv步骤

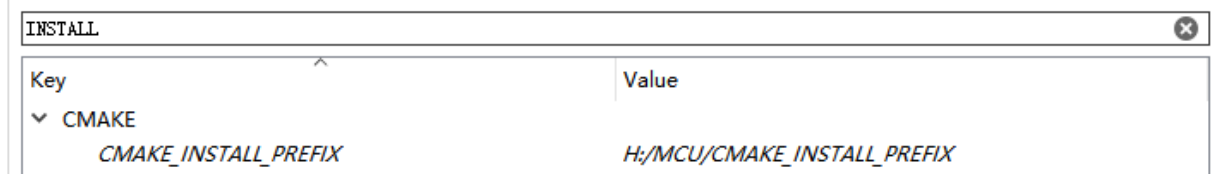
- 1. 文件 -> 打开文件或项目 -> H:\MCU\opencv-4.5.2\CMakeLists.txt
- 2. 配置环境：在 Filter 快速搜索



- 1.
- 2. 编辑构建配置：Release
- 3. 取消：WITH_MSMF -> OFF



4. 更改安装路径: CMAKE_INSTALL_PREFIX : 自己决定



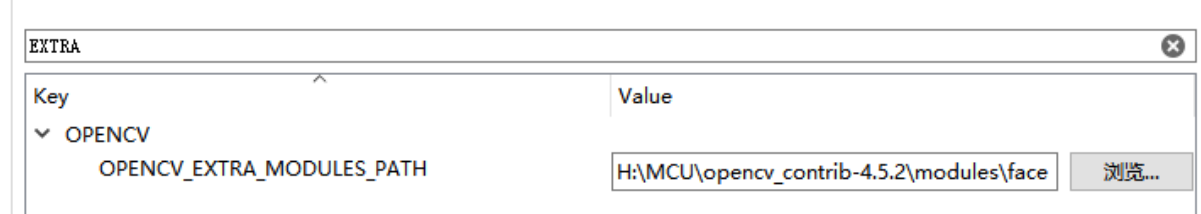
5. Build的步骤: 选择 install

Build: cmake.exe --build . --target install

Build的步骤



6. 添加第三方模块 face :



7. 更改后 Apply Configuration Changes

3. Crtl + R 运行编译 (时间非常长)

2.编译Seatface2步骤

1. 文件 -> 打开文件或项目 -> H:\MCU\SeetaFace2\CMakeLists.txt

2. 配置环境: 在 Filter 快速搜索

1. 更改安装路径和OpenCV目录



2. Build的步骤: 选择 install

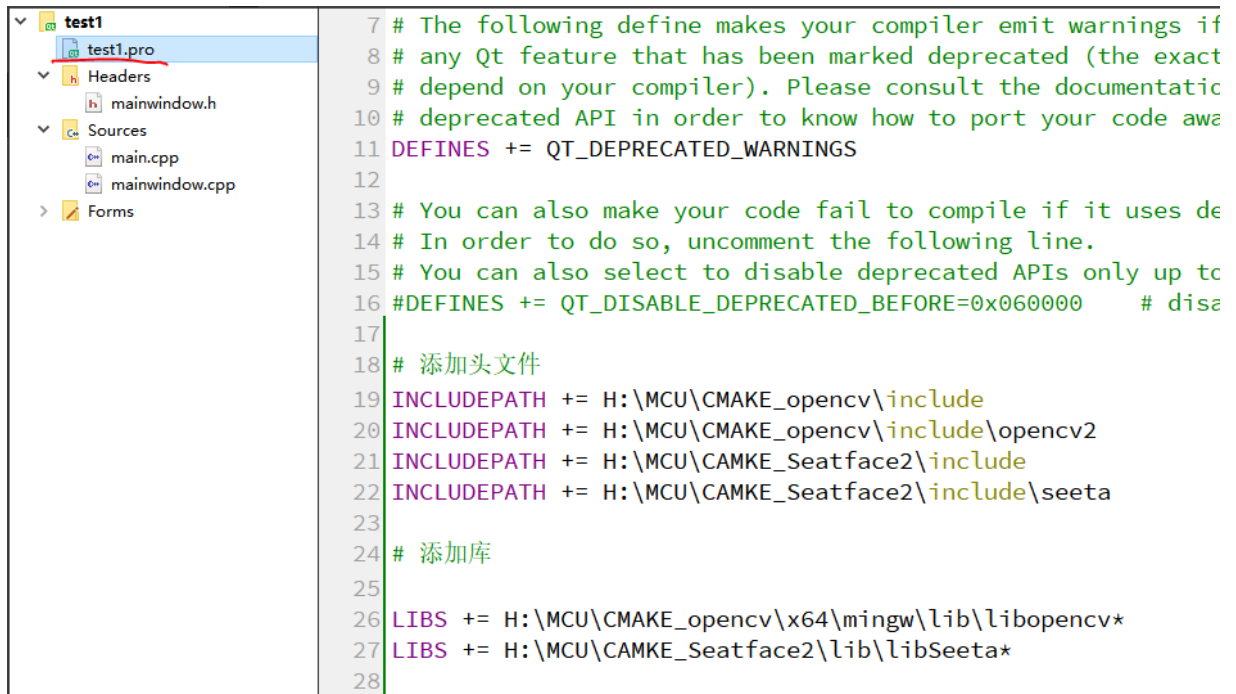
Build: cmake.exe --build . --target install

3. 更改后 Apply Configuration Changes

3. Crtl + R 运行编译

3.环境测试

1. 新建项目
2. 直接引用<opencv.hpp>会显示 Not found
 1. 在 .pro 文件中添加路径



添加头文件

```
INCLUDEPATH += H:\MCU\CMAKE_opencv\include
```

```
INCLUDEPATH += H:\MCU\CMAKE_opencv\include\opencv2
```

```
INCLUDEPATH += H:\MCU\CAMKE_Seataface2\include
```

```
INCLUDEPATH += H:\MCU\CAMKE_Seataface2\include\seeta
```

添加库

```
LIBS += H:\MCU\CMAKE_opencv\x64\mingw\lib\libopencv*
```

```
LIBS += H:\MCU\CAMKE_Seataface2\lib\libSeeta*
```

3. main 文件

```
#include "mainwindow.h"
#include <QApplication>
#include <opencv.hpp>
#include <FaceDetector.h>

using namespace cv;

int main(int argc, char *argv[])
{
    QApplication a(argc, argv);
    MainWindow w;
    w.show();

    cv::namedWindow("1");
    Mat img = imread("./P1040823.jpg");
    imshow("1",img);
    waitKey();

    seeta::ModelSetting::Device device = seeta::ModelSetting::CPU ;
    int id = 0;
    seeta::ModelSetting
    FD_model("H:/MCU/CAMKE_Seaface2/bin/model/fd_2_00.dat",device ,id);
    seeta::FaceDetector FD(FD_model);

    return a.exec();
}
```

4. 运行成功，证明环境安装好。

问题

1. 打开opencv的CMakeLists.txt文件显示警告： no kits are enabled for this project
解决：项目文件要放在英文目录下，不能在中文目录。
2. 打开Seaface2的CMakeLists.txt文件显示错误：

CMake Error at example/points81/CMakeLists.txt:15 (find_package):
By not providing "FindOpenCV.cmake" in CMAKE_MODULE_PATH this project has
asked CMake to find a package configuration file provided by "OpenCV", but
CMake did not find one.

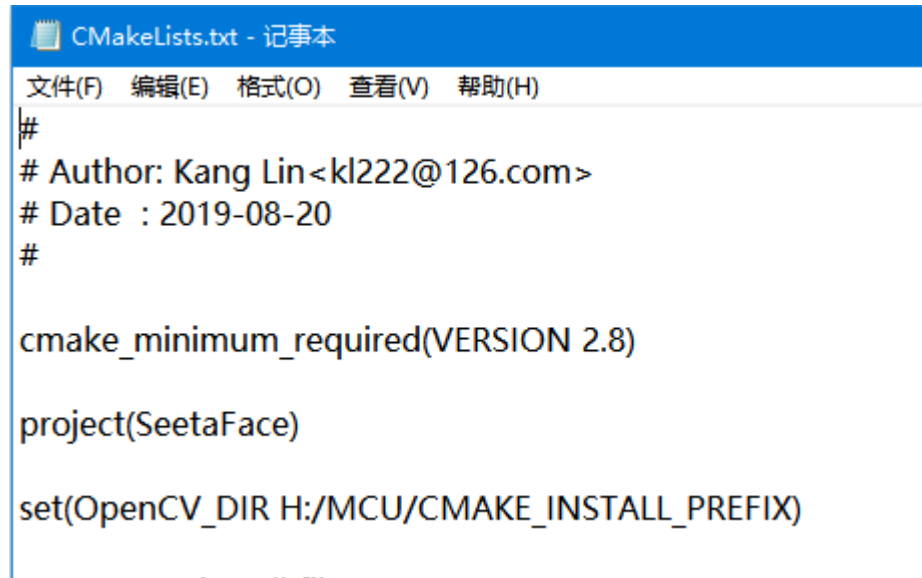
Could not find a package configuration file provided by "OpenCV" with any of
the following names:

OpenCVConfig.cmake
opencv-config.cmake

Add the installation prefix of "OpenCV" to CMAKE_PREFIX_PATH or set
"OpenCV_DIR" to a directory containing one of the above files. If "OpenCV"
provides a separate development package or SDK, be sure it has been installed.

-- Configuring incomplete, errors occurred!
CMake process exited with exit code 1.

解决: [cmake 出现问题 - double-vane - 博客园 \(cnblogs.com\)](http://cnblogs.com/double-vane/)



```
#
# Author: Kang Lin <kl222@126.com>
# Date : 2019-08-20
#

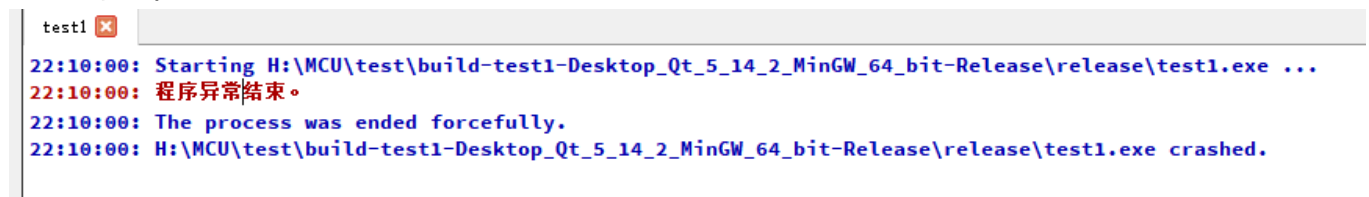
cmake_minimum_required(VERSION 2.8)

project(SeetaFace)

set(OpenCV_DIR H:/MCU/CMAKE_INSTALL_PREFIX)
```

OpenCV_DIR 后的目录为Q编译opencv后的生成目录里, 注意斜杠方向。

3. 能编译不能运行



```
test1
22:10:00: Starting H:\MCU\test\build-test1-Desktop_Qt_5_14_2_MinGW_64_bit-Release\release\test1.exe ...
22:10:00: 程序异常结束。
22:10:00: The process was ended forcefully.
22:10:00: H:\MCU\test\build-test1-Desktop_Qt_5_14_2_MinGW_64_bit-Release\release\test1.exe crashed.
```

解决：添加opencv和seatface中的bin文件夹到PATH

式查

编辑

设计

Debug

项目

帮助

test1

Release

Manage Kits...

Active Project

test1

Import Existing Build...

Build & Run

Desktop Qt 5.14.2 MinGW 32-bit

Desktop Qt 5.14.2 MinGW 64-bit

Build

Run

Project Settings

编辑器

代码风格

依赖关系

Clang Code Model

Clang Tools

Testing

没有Deploy步骤

添加Deploy步骤

运行

运行配置: test1

Add...

删除

重命名...

Clone...

Executable: H:\MCU\test\build-test1-Desktop_Qt_5_14_2_MingW_64-bit-Release\release\test1.exe

Command line arguments:

Working directory: H:\MCU\test\build-test1-Desktop_Qt_5_14_2_MingW_64-bit-Release

浏览...

Run in terminal

Add build library search path to PATH

Run Environment

使用 Build Environment 和 设置 Path 到 G:\Qt\5.14.2\mingw73_64\bin;G:\Qt\Tools\mingw730_64\bin;G:\Qt\5.14.2\mingw73_64\bin;G:\Qt\T

详情

Base environment for this run configuration: Build Environment

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
HOMEDRIVE	C:
HOMEPATH	\Users\13260
LOCALAPPDATA	C:\Users\13260\AppData\Local
LOGONSERVER	\\LLLLA
NUMBER_OF_PROCESSORS	4
OneDrive	C:\Users\13260\OneDrive
OneDriveConsumer	C:\Users\13260\OneDrive
OS	Windows_NT
Path	G:\Qt\5.14.2\mingw73_64\bin;G:\Qt\Tools\mingw730_64\bin;G:\Qt\5.14.2\...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	x86
PROCESSOR_ARCHITECTURE	AMD64
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 142 Stepping 9, GenuineIntel
PROCESSOR_LEVEL	6
PROCESSOR_REVISION	8e09
ProgramData	C:\ProgramData
ProgramFiles	C:\Program Files (x86)
ProgramFiles(x86)	C:\Program Files (x86)

Edit

添加(A)

重置(R)

取消设置(U)

Disable

Append Path...

Prepend Path...

批量编辑(B)...

Open Terminal