CMAKE does not work #57

Open wangandaiao opened this issue on May 16, 2018 · 13 comments

New Issue

wangandaiao commented on May 16, 2018

I tried to use cmake to build the project. However, the following error messages shows.
CMake Warning at C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.1.0/OpenCVConfig.cmake:166 (message):
Found OpenCV Windows Pack but it has no binaries compatible with your configuration.

You should manually point CMake variable OpenCV_DIR to your build of OpenCV library.
Call Stack (most recent call first):
CMakeLists.txt:15 (find_package)

CMake Error at CMakeLists.txt:15 (find_package):
Found package configuration file:

```
C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.1.0/OpenCVConfig.cmake
```

but it set OpenCV_FOUND to FALSE so package "OpenCV" is considered to be NOT FOUND.
I need other ZED project without using opencv and they all work. Anyone knows how to fix this? Thanks

dbraun commented on May 16, 2018 Member

Hi,

The OpenCV version provided by the SDK only contains binaries compatible with VS2015 x64 (we the x64 folder).
Either use VS2015 x64 when you choose the compiler with cmake, or install your own opencv version (with VS2017 binaries for example)

1

SumaiahMansoor commented on Sep 6, 2018

Hi,
I am newbie.
I am also facing the same issue, after installing OpenCV 3.4.3 we pack.

---- Windows 10
---- Visual Studio 15 2017 Win64
---- CUDA 9.2
---- OpenCV 3.4.3 win pack

@dbraun-sl
So solve this issue: How can I make VS2017 binary compatible according to your suggestion?
Thank you

ERROR

Found CUDA: C:/Program Files/NVIDIA GPU Computing Toolkit/CUDA/v9.2 (found suitable exact version "9.2")
OpenCV ARCH x64
OpenCV RUNTIME
OpenCV STATIC ON
CMake Warning at C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.1.0/OpenCVConfig.cmake:166 (message):
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C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.1.0/OpenCVConfig.cmake
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but it set OpenCV_FOUND to FALSE so package "OpenCV" is considered to be NOT FOUND.

dbraun-sl commented on Sep 6, 2018 Member

Cmake is still looking at OpenCV in the ZED SDK dependencies folder. That's why it still does not find opencv proper binaries.

- Make sure first you delete the cache for cmake. (File >> Delete cache)
- Click on configure, select VS2017.
- Look at the OPENCV_DIR variable in the cmake entry. It must be your opencv 3.4 installation. If it's not the case , then change it to the correct one and click on configure again.

SumaiahMansoor commented on Sep 6, 2018

Thank You
Would you please guide me
Do I have to edit the OpenCVConfig.cmake file in OpenCV_3.1.0 folder for chaning OPENCV_DIR variable?

As this file can not be edited directly on windows 10. So I would have to install any cmake editor to change the variable value in this file.

dbraun-sl commented on Sep 6, 2018 Member

It's better not to change a cmake file (unless you know exactly what you're doing).

Use the Cmake gui to change a configuration (I assume that's what you are using on windows).
When you click on configure and you get the cmake error, you should see a list of name and value such as :

```
Ungrouped Entries
CMake1
CUDA
OpenCV
ZED
```

Open the OpenCV value, then you should have :

```
OpenCV_CONFIG_PATH with a value C:/Program Files(x86)/ZED SDK/.../...
OpenCV_FOUND probably unchecked.
```

Modify the value of OpenCV_CONFIG_PATH to the correct path of your OpenCV 3.4 installation. Then press configure again.

SumaiahMansoor commented on Sep 7, 2018

Thank You
Yes, I am using windows 10 and I have installed opencV in C:/Program Files(x86)/ZED SDK/dependencies/opencv_3.4.3 folder.
When I select OpenCV_CONFIG_PATH through cmake GUI, it asks for File Name. I don't know which file should I specify here. So I gave every file in bin (opencv_3.4.3x64vc15.dll) one by one.
But it shows the same error and also resets the path of OpenCV_CONFIG_PATH as C:/Program Files(x86)/ZED SDK/dependencies/opencv_3.1.0 when I click "Configure" button.

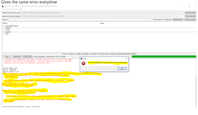
Although, I have set the environmental variables as well.

Still facing the same problem. So need your help.
Thanks

Error screenshot

It asks for file name

Gives the same error everytime



and resets the path to opencv_3.1.0 again

dbraun-sl commented on Sep 7, 2018 Member

You need to put OpenCVConfig.cmake for OpenCV_CONFIG_PATH.
If OpenCV is properly installed, it should be located in C:/Program Files(x86)/ZED SDK/dependencies/opencv_3.4.3/ on your PC.

SumaiahMansoor commented on Sep 7, 2018

Thank You
I did it but still the problem is there.
Although, OpenCV is properly installed because OpenCVConfig.cmake is located in C:/Program Files(x86)/ZED SDK/dependencies/opencv_3.4.3/

dbraun-sl commented on Sep 7, 2018 Member

- Remove opencv3.1.0 folder from dependencies to avoid conflicts (or zip it and remove folder if you want to keep a trace)
- Select opencv3.4.3/OpenCVConfig.cmake in OpenCV_CONFIG_PATH and press configure.
- You may still have an error but it should create a field OpenCV_DIR. Set the value as your opencv3.4 path. Press configure again. If you have "configure done" at the end, you can generate the solution.

SumaiahMansoor commented on Sep 7, 2018

In this case, the problem is if I remove opencv3.1.0 folder from dependencies then it does not show OPENCV in cmake GUI to reset OpenCV_CONFIG_PATH and OpenCV_DIR. Also gives error

If I install Visual Studio 2015 and use OpenCV_3.1.0, also I download SDK again after installing VS 2015 then what do you think, this opencV_3.1.0 problem would be solved?

May be this issue is due to VS 2017 therefore cmake also gives this error

```
CMake Deprecation Warning at CMakelists.txt:1 (cmake_policy):
  The OLD behavior for policy CMP0153 will be removed from a future version
  of CMake.

  The cmake-policies(7) manual explains that the OLD behavior of all
  policies are deprecated and that a policy should be set to OLD only under
  specific short-term circumstances.  Projects should be ported to the NEW
  behavior and not rely on setting a policy to OLD.

CMake Deprecation Warning at CMakelists.txt:7 (cmake_policy):
  The OLD behavior for policy CMP0153 will be removed from a future version
  of CMake.

  The cmake-policies(7) manual explains that the OLD behavior of all
  policies are deprecated and that a policy should be set to OLD only under
  specific short-term circumstances.  Projects should be ported to the NEW
  behavior and not rely on setting a policy to OLD.
```

As you can see these 2 errors.

So, what would you suggest? should I install VS 2015 and reinstall ZED SDK?

dbraun-sl commented on Sep 7, 2018 Member

On your first picture, the OpenCV_Dir appears but in ungrouped entries. Try to set it to see what it gives.

On my side, I had no problem using VS2017 with ZED SDK 2.5 and opencv 3.4 (your configuration).

SumaiahMansoor commented on Sep 8, 2018

Thank You
This error is fixed now by setting OpenCV_Dir in CMakeLists.txt as SET(OpenCV_DIR "C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.4.3")

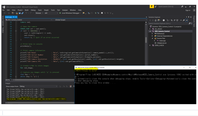
It shows
Configuration Done
Generating Done

But it also gives the message "You might need to add C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.4.3/x64/vc15/bin* to your path to be able to run your application.

Therefore, I am facing another issue now. When I run Zed Camera Control Project in Visual Studio 2017. It goes error "Camera Failed to Setup". In Debug, it also shows "The program '[9896] ZED_Camera_Control.exe' has exited with code 1 (0x1).

I tried to solve this issue by adding SET(OpenCV_CONFIG_PATH "C:/Program Files (x86)/ZED SDK/dependencies/opencv_3.4.3/x64/vc15/bin") in CMakeLists.txt . But still it displays the same message (You might need to add ..... bin to path....) in cmake GUI and therefore, it does not setup camera in VS2017.

Here are the screenshots.



dbraun-sl commented on Sep 10, 2018 Member

Since you have configuration/generation done, the build is correct and you can execute the program, therefore don't worry about the warning printed by cmake.

The program executes properly but (open) returns an error CAMERA_FAILED_TO_SETUP. Make sure that you ZED is connected to an USB3.0 port and switch USB3.0 port.
You can also contact the support, they will be able to see why the camera is not properly setup.

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