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Subject: OpenCV

Posted by [forlano](#) on Mon, 11 Feb 2013 22:08:09 GMT

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Hello,

Two days ago I fought with OpenCV 2.2 on Windows and at the end I gave up. I used the Koldo's upp package and I was able to run simple demo and activate my cam. But when I wanted to run the example in the opencv SAMPLE directory nothing worked.

Yesterday I moved to SimpleCV. After downloading several times the package and reading manuals and tutorials even stupid demo didn't want to work.

Today I've installed a fresh lubuntu 12.10. Tried with OpenCV 2.4.3 and installed million libraries to avoid the complain of compiler. Again no luck. Some useless demo works but most hang without reason (my cam is a Logitech 9000 that works under windows and linux as well).

I am not an expert but neither a complete newcomer. The OpenCV installation seems a very hard task and the instructions does not spend too much words about it. I wonder if somebody was able to use Upp+OpenCV2.4 under linux/windows and set correctly the build methods (PATH/INCLUDE/LIB directories) or package lib flag to let it to work, i.e. to compile the sample example.

Many thanks,

Luigi

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Subject: Re: OpenCV

Posted by [koldo](#) on Tue, 12 Feb 2013 07:35:47 GMT

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Hello Forlano

I have tried the /Bazaar/OpenCV package in Windows and it works well. In fact it was designed to be a simple and safe base to work with OpenCV. I do not know what is the SAMPLE directory.

I think that based in OpenCV\_Demo it is possible to do things very interesting. Could you detail the problem you found with it?

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Subject: Re: OpenCV

Posted by [forlano](#) on Tue, 12 Feb 2013 11:27:39 GMT

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koldo wrote on Tue, 12 February 2013 08:35 Could you detail the problem you found with it?

Thank you for the feedback.

I was studying the book "Learning OpenCV Computer Vision With The OpenCV Library", Gary Bradski And Adrian Kaehler , that give this exercise

and build lkdemo.c (this is an example motion tracking program).

initialize tracking. [skip]>>

This code is absent in your package. I downloaded OpenCV2.2 and found it under C++ directory. Then I compiled it and this is the message:

Linking...

```
main.obj : error LNK2019: unresolved external symbol "void __cdecl
cv::calcOpticalFlowPyrLK(class cv::Mat const &,cl
ass cv::Mat const &,class std::vector<class cv::Point_<float>,class std::allocator<class
cv::Point_<float> > > c
onst &,class std::vector<class cv::Point_<float>,class std::allocator<class cv::Point_<float> > >
&,class std::v
ector<unsigned char,class std::allocator<unsigned char> > &,class std::vector<float,class
std::allocator<float>
> &,class cv::Size_<int>,int,class cv::TermCriteria,double,int)"
(?calcOpticalFlowPyrLK@cv@@YAXABVMat@1@0ABV?$ve
ctor@V?$Point_@M@cv@@V?$allocator@V?$Point_@M@cv@@@std@ @ @ @std@ @ @AAV34@
AAV?$vector@EV?$allocator@E@std@ @ @ @4@AAV?$vec
tor@MV?$allocator@M@std@ @ @ @4@V?$Size_@H@1@HVTermCriteria@1@NH@Z)
referenced in function "void __cdecl GuiMainFn_(
void)" (?GuiMainFn_@@YAXXZ)
C:\upp\out\MyApps\MSC10.Gui.Sse2\opencvLkdemo.exe : fatal error LNK1120: 1 unresolved
externals
```

I attach the package with the original file.

Thank you,  
Luigi

#### File Attachments

1) [opencvLkdemo.rar](#), downloaded 366 times

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Subject: Re: OpenCV

Posted by [koldo](#) on Wed, 13 Feb 2013 13:34:21 GMT

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Hello Forlano

OpenCV uses lots of libraries that have to be explicitly included and change with every version.

In our case rename all libraries to "240" and add these ones:

- opencv\_video240d
- opencv\_videostab240d
- vfw32
- libjasperd
- libjpegd
- libpngd
- libtiffd

Unfortunately U++ tiff support clash with "libtiffd". The dirty solution has been to remove plugin/tiff and remove some lines in Functions4U.

This way your sample runs..., although I do not know what it does.

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Subject: Re: OpenCV

Posted by [forlano](#) on Thu, 14 Feb 2013 04:19:52 GMT

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koldo wrote on Wed, 13 February 2013 14:34Hello Forlano

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- opencv\_video240d
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- libtiffd

Unfortunately U++ tiff support clash with "libtiffd". The dirty solution has been to remove plugin/tiff and remove some lines in Functions4U.

This way your sample runs..., although I do not know what it does.

Thank you very much. I'll try very soon your suggestion.

Luigi

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