

OpenCV - Bug # 804: linking problem - missing references

Status:	Done	Priority:	Low
Author:	brendan ruff	Category:	features2d
Created:	2011-01-11	Assignee:	Maria Dimashova
Updated:	2011-01-11	Due date:	

Affected version:

Difficulty:

Pull request:

Operating System:

HW Platform:

Description: Hi

I've downloaded opencv2.2.0 and I've compiled some of the new demo apps without problem (eg houghlines.cpp though you have to add the include for stdafx.h), but the SURF app mathcher_simple.cpp cannot resolve any of the cv:: object methods.

I think there is at least one lib missing in the instructions on creating a Visual Studio project. Could you post an updated list please ?

thanks

Brendan

Associated revisions

2013-04-12 12:59 pm - **Andrey Kamaev**

Merge pull request #804 from gpsinghsandhu:staticCast

History

2011-01-11 06:42 pm - **brendan ruff**

.. and this is the linker errors in their full glory.

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1>MainSURF.obj : error LNK2019: unresolved external symbol "void +cdecl cv::drawMatches(class cv::Mat const &,class std::vector<class cv::KeyPoint,class std::allocator<class cv::KeyPoint> > const &,class cv::Mat const &,class std::vector<class cv::KeyPoint,class std::allocator<class cv::KeyPoint> > const &,class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> > const &,class cv::Mat &,class cv::Scalar_<double> const &,class cv::Scalar_<double> const &,class std::vector<char,class std::allocator<char> > const &,int)"
(?drawMatches@cv@@@YAXABVMat@1@ABV?$vector@VKeyPoint@cv@@@V?$allocator@VKeyPoint@cv@@@std@@@std@@@01ABV?$vector@UDMatch@cv@@@V?$allocator@UDMatch@cv@@@std@@@4@AAV21@ABV?$Scalar_@N@1@4ABV?$vector@DV?$allocator@D@std@@@4@H@Z) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: void +thiscall cv::DescriptorMatcher::match(class cv::Mat const &,class cv::Mat const &,class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> > &,class cv::Mat const &)const "
(?match@DescriptorMatcher@cv@@@QBEXABVMat@2@0AAV?$vector@UDMatch@cv@@@V?$allocator@UDMatch@cv@@@std@@@std@@@0@Z) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: void +thiscall cv::DescriptorExtractor::compute(class cv::Mat const &,class std::vector<class cv::KeyPoint,class std::allocator<class cv::KeyPoint> > &,class cv::Mat &)const "
(?compute@DescriptorExtractor@cv@@@QBEXABVMat@2@AAV?$vector@VKeyPoint@cv@@@V?$allocator@VKeyPoint@cv@@@std@@@std@@@AAV32@@@Z) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: +thiscall cv::SurfDescriptorExtractor::SurfDescriptorExtractor(int,int,bool)"
(??0SurfDescriptorExtractor@cv@@@QAE@HH_N@Z) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: void +thiscall cv::FeatureDetector::detect(class cv::Mat const &,class std::vector<class cv::KeyPoint,class std::allocator<class cv::KeyPoint> > &,class cv::Mat const &)const "
(?detect@FeatureDetector@cv@@@QBEXABVMat@2@AAV?$vector@VKeyPoint@cv@@@V?$allocator@VKeyPoint@cv@@@std@@@std@@@0@Z)
```

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) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: +thiscall cv::SurfFeatureDetector::SurfFeatureDetector(double,int,int)"
(??0SurfFeatureDetector@cv@@@QAE@NHH@Z) referenced in function _main
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: virtual +thiscall cv::FeatureDetector::~FeatureDetector(void)"
(??1FeatureDetector@cv@@@UAE@XZ) referenced in function "public: virtual +thiscall cv::SurfFeatureDetector::~SurfFeatureDetector(void)"
(??1SurfFeatureDetector@cv@@@UAE@XZ)
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: virtual +thiscall cv::DescriptorExtractor::~DescriptorExtractor(void)"
(??1DescriptorExtractor@cv@@@UAE@XZ) referenced in function "public: virtual +thiscall cv::SurfDescriptorExtractor::~SurfDescriptorExtractor(void)"
(??1SurfDescriptorExtractor@cv@@@UAE@XZ)
1>MainSURF.obj : error LNK2001: unresolved external symbol "public: virtual void +thiscall cv::DescriptorMatcher::add(class std::vector<class
cv::Mat,class std::allocator<class cv::Mat> > const &)"
(?add@DescriptorMatcher@cv@@@UAEXABV?$vector@VMat@cv@@@V?$allocator@VMat@cv@@@std@@@std@@@Z)
1>MainSURF.obj : error LNK2001: unresolved external symbol "public: virtual void +thiscall cv::DescriptorMatcher::clear(void)"
(?clear@DescriptorMatcher@cv@@@UAEXXZ)
1>MainSURF.obj : error LNK2001: unresolved external symbol "public: virtual void +thiscall cv::DescriptorMatcher::train(void)"
(?train@DescriptorMatcher@cv@@@UAEXXZ)
1>MainSURF.obj : error LNK2001: unresolved external symbol "public: virtual void +thiscall cv::DescriptorMatcher::read(class cv::FileNode const &)"
(?read@DescriptorMatcher@cv@@@UAEXABVFileNode@2@@@Z)
1>MainSURF.obj : error LNK2001: unresolved external symbol "public: virtual void +thiscall cv::DescriptorMatcher::write(class cv::FileStorage &)const "
(?write@DescriptorMatcher@cv@@@UBEXAAVFileStorage@2@@@Z)
1>MainSURF.obj : error LNK2001: unresolved external symbol "protected: virtual void +thiscall cv::BruteForceMatcher<struct cv::L2<float>
>::knnMatchImpl(class cv::Mat const &,class std::vector<class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> > >,class
std::allocator<class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> > > &,int,class std::vector<class cv::Mat,class
std::allocator<class cv::Mat> > const &,bool)"
(?knnMatchImpl@?$BruteForceMatcher@U?$L2@M@cv@@@cv@@@MAEXABVMat@2@AAV?$vector@V?$vector@UDMatch@cv@@@V?$allocator
@UDMatch@cv@@@std@@@std@@@V?$allocator@V?$vector@UDMatch@cv@@@V?$allocator@UDMatch@cv@@@std@@@std@@@2@@@std
@@@HABV?$vector@VMat@cv@@@V?$allocator@VMat@cv@@@std@@@5@_N@Z)
1>MainSURF.obj : error LNK2001: unresolved external symbol "protected: virtual void +thiscall cv::BruteForceMatcher<struct cv::L2<float>
>::radiusMatchImpl(class cv::Mat const &,class std::vector<class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> >,class
std::allocator<class std::vector<struct cv::DMatch,class std::allocator<struct cv::DMatch> > > &,float,class std::vector<class cv::Mat,class
std::allocator<class cv::Mat> > const &,bool)"
(?radiusMatchImpl@?$BruteForceMatcher@U?$L2@M@cv@@@cv@@@MAEXABVMat@2@AAV?$vector@V?$vector@UDMatch@cv@@@V?$alloca
tor@UDMatch@cv@@@std@@@std@@@V?$allocator@V?$vector@UDMatch@cv@@@V?$allocator@UDMatch@cv@@@std@@@std@@@2@@@std
@@@MABV?$vector@VMat@cv@@@V?$allocator@VMat@cv@@@std@@@5@_N@Z)
1>MainSURF.obj : error LNK2019: unresolved external symbol "public: virtual +thiscall cv::DescriptorMatcher::~DescriptorMatcher(void)"
(??1DescriptorMatcher@cv@@@UAE@XZ) referenced in function "public: virtual +thiscall cv::BruteForceMatcher<struct cv::L2<float>
>::~BruteForceMatcher<struct cv::L2<float> >(void)" (??1?$BruteForceMatcher@U?$L2@M@cv@@@cv@@@UAE@XZ)

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2011-01-11 06:48 pm - brendan ruff

- Status changed from Open to Done

- (deleted custom field) set to fixed

OK I resolved it. The 2d features library opencv_features2d220d.lib is missing, as are a few others from the instructions. No biggy