

Image Component Library - Bug #502

OpenCV ORB features are pure virtual

2017-02-22 09:49 - Timo Korthals

Status:	Closed	Start date:	2017-02-22
Priority:	Normal	Due date:	
Assignee:	Christof Elbrechter	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
So maybe it's just my fault, that I am unable to build with ORB feature in OpenCV 3.2. But it might be a good idea to disable the ORB features by command anyway:			
Index: CMakeLists.txt			

--- CMakeLists.txt (revision 4625)			
+++ CMakeLists.txt (working copy)			
@@ -175,6 +175,7 @@			
# ---- User options ----			
OPTION(BUILD_WITH_OPENCV "Link against OpenCV and provide OpenCV image conversion functions" OFF)			
+OPTION(BUILD_WITH_ORB "Build the ORB features from OpenCV" OFF)			
OPTION(BUILD_WITH_QT "Provides GUI and image visualization framework (needs OPENGGL)" OFF)			
OPTION(BUILD_WITH_OPENGGL "Linked to BUILD_WITH_QT" OFF)			
OPTION(BUILD_WITH_RSB "Link against the RSB framework for network-based image transfer (needs PROTOBUF)" OFF)			
@@ -381,7 +382,7 @@			
ENDIF()			
IF(BUILD_WITH_OPENCV)			
- IF(\${OPENCV_ROOT})			
+ IF(EXISTS \${OPENCV_ROOT})			
SET(OpenCV_DIR \${OPENCV_ROOT})			
ENDIF()			
SET(OpenCV_OLD_LIBS_NOT_FOUND "TRUE")			
@@ -408,7 +409,7 @@			
ELSE()			
ADD_ICL_DEFINITIONS(-DICL_HAVE_OPENCV_NEW_STYLE)			
# we need at least opencv 2.4 for the ORB-feature interface we want to use			
- IF(((NOT OPENCV_VERSION_MAJOR LESS 2) AND (NOT OPENCV_VERSION_MINOR LESS 4))			
+ IF(((NOT OPENCV_VERSION_MAJOR LESS 2) AND (NOT OPENCV_VERSION_MINOR LESS 4) AND (BUILD_WITH_ORB))			
OR (OPENCV_VERSION_MAJOR GREATER 2))			
MESSAGE(STATUS "OpenCV >= 2.4.x detected, adding ORB feature detector")			
ADD_ICL_DEFINITIONS(-DICL_HAVE_OPENCV_FEATURES_2D)			

History

#1 - 2017-02-27 14:49 - Christof Elbrechter

- Status changed from New to Feedback
- % Done changed from 0 to 100

solved together with #501

#2 - 2017-11-22 22:26 - Alexander Neumann

- Status changed from Feedback to Closed

As mentioned in #501, ICL builds with OpenCV 3.1 (Artful Ubuntu), OpenCV 3.2 (Windows) and OpenCV 3.3 (High Sierra).