Tool Track

1

Generated by Doxygen 1.7.1

Thu Jul 12 2012 15:48:25

Contents

1 Namespace Index **1**

1.1 Namespace List 1

2 Class Index **3**

2.1 Class List 3

3 Namespace Documentation **5**

3.1 ttrk Namespace Reference 5

3.1.1 Detailed Description 5

4 Class Documentation **7**

4.1 ttrk::TTrack Class Reference 7

4.1.1 Member Function Documentation 7

4.1.1.1 Instance 7

4.1.2 Member Data Documentation 7

4.1.2.1 classifier_ 7

4.1.2.2 current_frame_ 7

4.1.2.3 tracker_ 7

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

ttrk 5

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

ttrk::TTrack 7

Chapter 3

Namespace Documentation

3.1 ttrk Namespace Reference

Classes

- class TTrack

3.1.1 Detailed Description

This is the interface class of the project. It owns the tracker and the detector as well as performing tasks like saving current frames for validation and the initial interaction with the filesystem.

Chapter 4

Class Documentation

4.1 ttrk::TTrack Class Reference

Static Public Member Functions

- static TTrack & Instance ()

Protected Attributes

- Tracker tracker_
- Classifier classifier_
- cv::Mat * current_frame_

4.1.1 Member Function Documentation

4.1.1.1 static TTrack& ttrk::TTrack::Instance ( ) [static]

A factory for getting a refernce to the singleton instance

4.1.2 Member Data Documentation

4.1.2.1 Classifier ttrk::TTrack::classifier_ [protected]

The class responsible for classifying the pixels in the image

4.1.2.2 cv::Mat* ttrk::TTrack::current_frame_ [protected]

A pointer to the current classified frame that will be passed from the classifier to the tracker

4.1.2.3 Tracker ttrk::TTrack::tracker_ [protected]

The class responsible for finding the instrument in the image

The documentation for this class was generated from the following file:

- headers/ttrack.h

Index

classifier_
    ttrk::TTrack, 7
current_frame_
    ttrk::TTrack, 7

Instance
    ttrk::TTrack, 7

tracker_
    ttrk::TTrack, 7
ttrk, 5
ttrk::TTrack, 7
    classifier_, 7
    current_frame_, 7
    Instance, 7
    tracker_, 7