Delta3D Version 2.4.0

dtInputISense::

Reference Manual

Generated for Delta3D by Doxygen, Graphviz and MikTex

Sat Jan 9 22:23:14 2010

Contents

Chapter 1

Main Page

Delta3D is an Open Source engine which can be used for games, simulations, or other graphical applications.

The Delta3D framework exists as a number of modules, each sitting in its own library, enclosed within its own namespace. At the very core lies the dtCore library. This contains basic, low-level functionality which is mostly required for all 3D applications written in C++.

Around and alongside this sit other supporting libraries, such as dtUtil (containing reusable features which are useful for most applications), dtTerrain (for rendering terrain databases), dtGame, dtNet, etc.

Extensive online documentation is available from the Delta3D Docs section to help in using Delta3D.

The project's original reference guides generated by Doxygen from the source code may be viewed at the Delta3D API Documentation section.

To download source code, binaries, dependencies and sample datasets visit the Delta3D Downloads page.

For more about dependencies see the Delta3D Dependencies page.

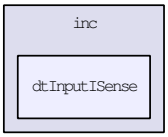
The documentation you are looking at can be downloaded from www.3draum.ch.

Enjoy!

Chapter 2

Directory Documentation

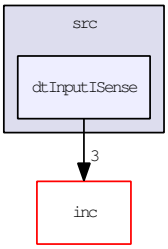
2.1 inc/dtInputISense/ Directory Reference



Files

- file dlcompat.h
- file export.h
- file isense.h
- file mainpage.h
- file tracker.h
- file types.h

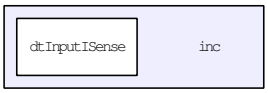
2.2 src/dtInputISense/ Directory Reference



Files

- file dlcompat.c
- file isense.c
- file tracker.cpp

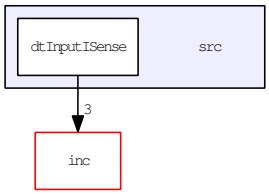
2.3 inc/ Directory Reference



Directories

- directory dtInputISense

2.4 src/ Directory Reference



Directories

- directory dtInputISense

Chapter 3

Namespace Documentation

3.1 dtInputISense Namespace Reference

The dtInputIsense namespace contains classes that allow for reading of Intersense (http://www.isense.com/) tracker devices.

Classes

- class Tracker

  A tracker device.

3.1.1 Detailed Description

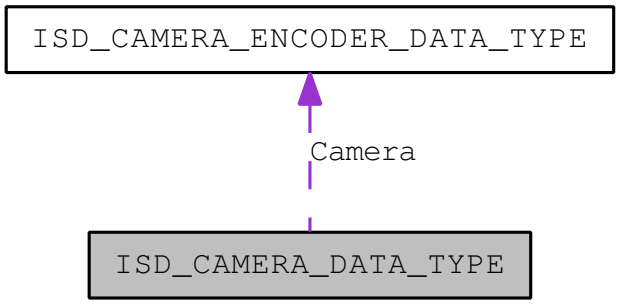
The dtInputIsense namespace contains classes that allow for reading of Intersense (http://www.isense.com/) tracker devices.

Chapter 4

Class Documentation

4.1 ISD_CAMERA_DATA_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`Collaboration diagram for ISD_CAMERA_DATA_TYPE:



Public Attributes

- ISD_CAMERA_ENCODER_DATA_TYPE Camera [ISD_MAX_STATIONS]

4.1.1 Member Data Documentation

4.1.1.1 ISD_CAMERA_ENCODER_DATA_TYPE Camera[ISD_MAX_STATIONS]

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

- isense.h

4.2 ISD_CAMERA_ENCODER_DATA_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- float Aperture
- LONG ApertureEncoder
- BYTE bReserved1
- BYTE bReserved2
- BYTE bReserved3
- float CovarianceOrientation [3]
- float CovariancePosition [3]
- DWORD dwReserved1
- DWORD dwReserved2
- float Focus
- LONG FocusEncoder
- float FOV
- float fReserved1
- float fReserved2
- float fReserved3
- float fReserved4
- float NodalPoint
- DWORD Timecode
- DWORD TimecodeUserBits
- BYTE TrackingStatus
- LONG ZoomEncoder

4.2.1 Member Data Documentation

4.2.1.1 float Aperture

4.2.1.2 LONG ApertureEncoder

4.2.1.3 BYTE bReserved1

4.2.1.4 BYTE bReserved2

4.2.1.5 BYTE bReserved3

4.2.1.6 float CovarianceOrientation[3]

4.2.1.7 float CovariancePosition[3]

4.2.1.8 DWORD dwReserved1

4.2.1.9 DWORD dwReserved2

4.2.1.10 float Focus

4.2.1.11 LONG FocusEncoder

4.2.1.12 float FOV

4.2.1.13 float fReserved1

4.2.1.14 float fReserved2

4.2.1.15 float fReserved3

4.2.1.16 float fReserved4

4.2.1.17 float NodalPoint

4.2.1.18 DWORD Timecode

4.2.1.19 DWORD TimecodeUserBits

4.2.1.20 BYTE TrackingStatus

4.2.1.21 LONG ZoomEncoder

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

- isense.h

4.3 ISD_HARDWARE_INFO_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- DWORD AuxSystem
- DWORD BaudRate
- Bool bReserved1
- struct {
  - Bool bReserved2
  - Bool bReserved3
  - Bool bReserved4
  - Bool Compass
  - Bool CompassCal
  - Bool ConfigLock
  - Bool DiagData
  - DWORD dwReserved1
  - DWORD dwReserved2
  - DWORD dwReserved3
  - DWORD dwReserved4
  - Bool Encoders
  - Bool Enhancement
  - Bool ErrorLog
  - float fReserved2
  - float fReserved3
  - float fReserved4
  - DWORD MaxButtons
  - DWORD MaxChannels
  - DWORD MaxFPses
  - DWORD MaxImus
  - DWORD MaxStations
  - Bool MeasData
  - Bool Orientation
  - Bool PhotoDiode
  - Bool Position
  - Bool Prediction
  - Bool PseConfig
  - Bool SelfTest
  - Bool UltGain
  - float UltMaxRange
  - Bool UltTimeout
  - Bool UltVolume

  } Capability

- char cReserved1 [128]
- char cReserved2 [128]
- char cReserved3 [128]
- char cReserved4 [128]
- float FirmwareRev
- float fReserved1
- DWORD Interface
- char ModelName [128]
- DWORD NumTestLevels
- Bool OnHost
- DWORD Port
- DWORD TrackerModel
- DWORD TrackerType
- Bool Valid

4.3.1 Member Data Documentation

4.3.1.1 DWORD AuxSystem

4.3.1.2 DWORD BaudRate

4.3.1.3 Bool bReserved1

4.3.1.4 Bool bReserved2

4.3.1.5 Bool bReserved3

4.3.1.6 Bool bReserved4

4.3.1.7 struct { ... } Capability

4.3.1.8 Bool Compass

4.3.1.9 Bool CompassCal

4.3.1.10 Bool ConfigLock

4.3.1.11 char cReserved1[128]

4.3.1.12 char cReserved2[128]

4.3.1.13 char cReserved3[128]

4.3.1.14 char cReserved4[128]

4.3.1.15 Bool DiagData

4.3.1.16 DWORD dwReserved1

4.3.1.17 DWORD dwReserved2

4.3.1.18 DWORD dwReserved3

4.3.1.19 DWORD dwReserved4

4.3.1.20 Bool Encoders

4.3.1.21 Bool Enhancement

4.3.1.22 Bool ErrorLog

4.3.1.23 float FirmwareRev

4.3.1.24 float fReserved1

4.3.1.25 float fReserved2

4.3.1.26 float fReserved3

4.3.1.27 float fReserved4

4.3.1.28 DWORD Interface

4.3.1.29 DWORD MaxButtons

4.3.1.30 DWORD MaxChannels

4.3.1.31 DWORD MaxFPses

4.3.1.32 DWORD MaxImus

4.3.1.33 DWORD MaxStations

4.3.1.34 Bool MeasData

4.3.1.35 char ModelName[128]

4.3.1.36 DWORD NumTestLevels

4.3.1.37 Bool OnHost

4.3.1.38 Bool Orientation

4.3.1.39 Bool PhotoDiode

4.3.1.40 DWORD Port

4.3.1.41 Bool Position

4.3.1.42 Bool Prediction

- isense.h

4.4 ISD_STATION_DATA_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- float AccelBodyFrame [3]
- float AccelNavFrame [3]
- short AnalogData [ISD_MAX_CHANNELS]
- float AngularVelBodyFrame [3]
- float AngularVelNavFrame [3]
- float AngularVelRaw [3]
- BYTE AuxInputs [ISD_MAX_AUX_INPUTS]
- float BatteryLevel
- BYTE BatteryState
- Bool ButtonState [ISD_MAX_BUTTONS]
- BYTE CommIntegrity
- float CompassYaw
- float Euler [3]
- BYTE NewData
- float Position [3]
- float Quaternion [4]
- DWORD Reserved [64]
- float StillTime
- float TimeStamp
- BYTE TrackingStatus
- float VelocityNavFrame [3]

4.4.1 Member Data Documentation

4.4.1.1 float AccelBodyFrame[3]

4.4.1.2 float AccelNavFrame[3]

4.4.1.3 short AnalogData[ISD_MAX_CHANNELS]

4.4.1.4 float AngularVelBodyFrame[3]

4.4.1.5 float AngularVelNavFrame[3]

4.4.1.6 float AngularVelRaw[3]

4.4.1.7 BYTE AuxInputs[ISD_MAX_AUX_INPUTS]

4.4.1.8 float BatteryLevel

4.4.1.9 BYTE BatteryState

4.4.1.10 Bool ButtonState[ISD_MAX_BUTTONS]

4.4.1.11 BYTE CommIntegrity

4.4.1.12 float CompassYaw

4.4.1.13 float Euler[3]

4.4.1.14 BYTE NewData

4.4.1.15 float Position[3]

4.4.1.16 float Quaternion[4]

4.4.1.17 DWORD Reserved[64]

4.4.1.18 float StillTime

4.4.1.19 float TimeStamp

4.4.1.20 BYTE TrackingStatus

4.4.1.21 float VelocityNavFrame[3]

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

- isense.h

4.5 ISD_STATION_HARDWARE_INFO_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- char CalDate [20]
- struct {
  DWORD AuxInputs
  DWORD AuxOutputs
  Bool bReserved1
  Bool bReserved2
  Bool bReserved3
  Bool bReserved4
  Bool Compass
  DWORD dwReserved1
  DWORD dwReserved2
  DWORD dwReserved3
  DWORD dwReserved4
  DWORD Encoders
  DWORD NumButtons
  DWORD NumChannels
  Bool Orientation
  Bool Position
  } Capability
- char cReserved1 [128]
- char cReserved2 [128]
- char cReserved3 [128]
- char cReserved4 [128]
- char DescVersion [20]
- DWORD DeviceID
- float FirmwareRev
- float fReserved1
- float fReserved2
- float fReserved3
- float fReserved4
- DWORD ID
- DWORD Port
- DWORD SerialNum
- DWORD Type
- Bool Valid

4.5.1 Member Data Documentation

4.5.1.1 DWORD AuxInputs

4.5.1.2 DWORD AuxOutputs

4.5.1.3 Bool bReserved1

4.5.1.4 Bool bReserved2

4.5.1.5 Bool bReserved3

4.5.1.6 Bool bReserved4

4.5.1.7 char CalDate[20]

4.5.1.8 struct { ... } Capability

4.5.1.9 Bool Compass

4.5.1.10 char cReserved1[128]

4.5.1.11 char cReserved2[128]

4.5.1.12 char cReserved3[128]

4.5.1.13 char cReserved4[128]

4.5.1.14 char DescVersion[20]

4.5.1.15 DWORD DeviceID

4.5.1.16 DWORD dwReserved1

4.5.1.17 DWORD dwReserved2

4.5.1.18 DWORD dwReserved3

4.5.1.19 DWORD dwReserved4

4.5.1.20 DWORD Encoders

4.5.1.21 float FirmwareRev

4.5.1.22 float fReserved1

4.5.1.23 float fReserved2

4.5.1.24 float fReserved3

4.5.1.25 float fReserved4

4.5.1.26 DWORD ID

4.5.1.27 DWORD NumButtons

4.5.1.28 DWORD NumChannels

4.5.1.29 Bool Orientation

4.5.1.30 DWORD Port

4.5.1.31 Bool Position

4.5.1.32 DWORD SerialNum

4.5.1.33 DWORD Type

4.5.1.34 Bool Valid

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

- isense.h

4.6 ISD_STATION_INFO_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- DWORD AccelSensitivity
- DWORD AngleFormat
- BYTE bReserved2
- Bool bReserved4
- Bool Compass
- BYTE CompassCompensation
- DWORD CoordFrame
- DWORD dwReserved3
- DWORD dwReserved4
- DWORD Enhancement
- float fReserved4
- Bool GetAuxInputs
- Bool GetCameraData
- Bool GetCovarianceData
- Bool GetEncoderData
- Bool GetInputs
- DWORD ID
- BYTE ImuShockSuppression
- LONG InertiaCube
- DWORD Prediction
- DWORD Sensitivity
- Bool State
- Bool TimeStamped
- float TipOffset [3]
- BYTE UrmRejectionFactor

4.6.1 Member Data Documentation

4.6.1.1 DWORD AccelSensitivity

4.6.1.2 DWORD AngleFormat

4.6.1.3 BYTE bReserved2

4.6.1.4 Bool bReserved4

4.6.1.5 Bool Compass

4.6.1.6 BYTE CompassCompensation

4.6.1.7 DWORD CoordFrame

4.6.1.8 DWORD dwReserved3

4.6.1.9 DWORD dwReserved4

4.6.1.10 DWORD Enhancement

4.6.1.11 float fReserved4

4.6.1.12 Bool GetAuxInputs

4.6.1.13 Bool GetCameraData

4.6.1.14 Bool GetCovarianceData

4.6.1.15 Bool GetEncoderData

4.6.1.16 Bool GetInputs

4.6.1.17 DWORD ID

4.6.1.18 BYTE ImuShockSuppression

4.6.1.19 LONG InertiaCube

4.6.1.20 DWORD Prediction

4.6.1.21 DWORD Sensitivity

4.6.1.22 Bool State

4.6.1.23 Bool TimeStamped

4.6.1.24 float TipOffset[3]

4.6.1.25 BYTE UrmRejectionFactor

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

- isense.h

4.7 ISD_TRACKER_INFO_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`

Public Attributes

- Bool bReserved2
- Bool bReserved3
- Bool bReserved4
- DWORD dwReserved4
- float FirmwareRev
- float fReserved2
- float fReserved3
- float fReserved4
- DWORD Interface
- float KBitsPerSec
- Bool LedEnable
- float LibVersion
- DWORD Port
- DWORD RecordsPerSec
- DWORD SyncPhase
- float SyncRate
- DWORD SyncState
- DWORD TrackerModel
- DWORD TrackerType
- DWORD UltTimeout
- DWORD UltVolume

4.7.1 Member Data Documentation

4.7.1.1 Bool bReserved2

4.7.1.2 Bool bReserved3

4.7.1.3 Bool bReserved4

4.7.1.4 DWORD dwReserved4

4.7.1.5 float FirmwareRev

4.7.1.6 float fReserved2

4.7.1.7 float fReserved3

4.7.1.8 float fReserved4

4.7.1.9 DWORD Interface

4.7.1.10 float KBitsPerSec

4.7.1.11 Bool LedEnable

4.7.1.12 float LibVersion

4.7.1.13 DWORD Port

4.7.1.14 DWORD RecordsPerSec

4.7.1.15 DWORD SyncPhase

4.7.1.16 float SyncRate

4.7.1.17 DWORD SyncState

4.7.1.18 DWORD TrackerModel

4.7.1.19 DWORD TrackerType

4.7.1.20 DWORD UltTimeout

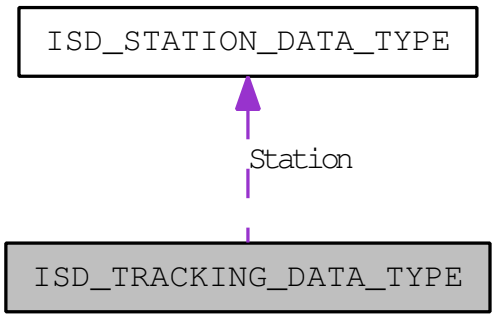
4.7.1.21 DWORD UltVolume

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

- isense.h

4.8 ISD_TRACKING_DATA_TYPE Struct Reference

`#include <inc/dtInputISense/isense.h>`Collaboration diagram for ISD_TRACKING_DATA_TYPE:



Public Attributes

- ISD_STATION_DATA_TYPE Station [ISD_MAX_STATIONS]

4.8.1 Member Data Documentation

4.8.1.1 ISD_STATION_DATA_TYPE Station[ISD_MAX_STATIONS]

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

- isense.h

4.9 Tracker Class Reference

A tracker device.

`#include <inc/dtInputISense/tracker.h>`

Public Member Functions

- void Poll ()
  Manually polls the state of this tracker, updating all of its features.

Static Public Member Functions

- static void CreateInstances ()
  Creates instances of Tracker corresponding to each connected tracker device.
- static void DestroyInstances ()
  Destroys all Tracker instances.
- static void PollInstances ()
  Polls all Tracker instances.

4.9.1 Detailed Description

A tracker device.

4.9.2 Member Function Documentation

4.9.2.1 void CreateInstances () [static]

Creates instances of Tracker corresponding to each connected tracker device.

4.9.2.2 void DestroyInstances () [static]

Destroys all Tracker instances.

4.9.2.3 void Poll ()

Manually polls the state of this tracker, updating all of its features.

4.9.2.4 void PollInstances () [static]

Polls all Tracker instances.

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

- tracker.h
- tracker.cpp

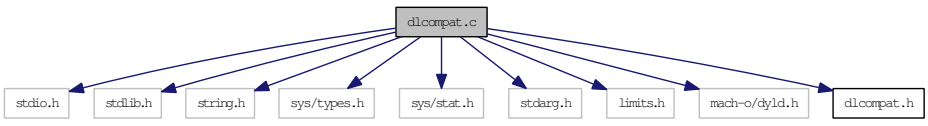
Chapter 5

File Documentation

5.1 dlcompat.c File Reference

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <stdarg.h>
#include <limits.h>
#include <mach-o/dyld.h>
#include "dlcompat.h"
```

Include dependency graph for dlcompat.c:



Defines

- #define ERR_STR_LEN 256

Functions

- int dlclose (void *handle)
- const char * dlerror (void)
- void * dlopen (const char *path, int mode)
- void * dlsym (void *handle, const char *symbol)
- static void * dlsymIntern (void *handle, const char *symbol)
- static const char * error (int setget, const char *str,...)

5.1.1 Define Documentation

5.1.1.1 #define ERR_STR_LEN 256

5.1.2 Function Documentation

5.1.2.1 int dlclose (void * *handle*)

5.1.2.2 const char* dlerror (void)

5.1.2.3 void* dlopen (const char * *path*, int *mode*)

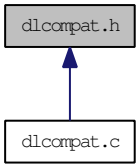
5.1.2.4 void* dlsym (void * *handle*, const char * *symbol*)

5.1.2.5 void * dlsymIntern (void * *handle*, const char * *symbol*) [static]

5.1.2.6 static const char * error (int *setget*, const char * *str*, ...) [static]

5.2 dlcompat.h File Reference

This graph shows which files directly or indirectly include this file:



Defines

- #define RTLD_GLOBAL 0x8
- #define RTLD_LAZY 0x1
- #define RTLD_LAZY_UNDEF 0x100
- #define RTLD_LOCAL 0x4
- #define RTLD_NODELETE 0x80
- #define RTLD_NOLOAD 0x10
- #define RTLD_NOW 0x2
- #define RTLD_SHARED 0x20
- #define RTLD_UNSHARED 0x40

Functions

- int dlclose (void *handle)
- const char * dlerror (void)
- void * dlopen (const char *path, int mode)
- void * dlsym (void *handle, const char *symbol)

5.2.1 Define Documentation

5.2.1.1 #define RTLD_GLOBAL 0x8

5.2.1.2 #define RTLD_LAZY 0x1

5.2.1.3 #define RTLD_LAZY_UNDEF 0x100

5.2.1.4 #define RTLD_LOCAL 0x4

5.2.1.5 #define RTLD_NODELETE 0x80

5.2.1.6 #define RTLD_NOLOAD 0x10

5.2.1.7 #define RTLD_NOW 0x2

5.2.1.8 #define RTLD_SHARED 0x20

5.2.1.9 #define RTLD_UNSHARED 0x40

5.2.2 Function Documentation

5.2.2.1 int dlclose (void * *handle*)

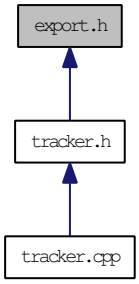
5.2.2.2 const char* dlerror (void)

5.2.2.3 void* dlopen (const char * *path*, int *mode*)

5.2.2.4 void* dlsym (void * *handle*, const char * *symbol*)

5.3 export.h File Reference

This graph shows which files directly or indirectly include this file:



Defines

- #define DT_INPUT_ISENSE_EXPORT

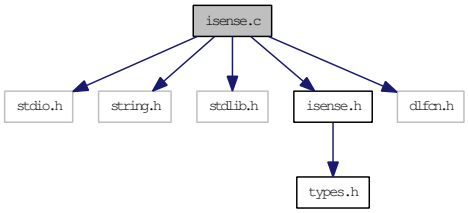
5.3.1 Define Documentation

5.3.1.1 #define DT_INPUT_ISENSE_EXPORT

5.4 isense.c File Reference

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include "isense.h"
#include <dlfcn.h>
```

Include dependency graph for isense.c:



Defines

- #define ISD_LIB_NAME "libisense"

Typedefs

- typedef void DLL
- typedef Bool(* ISD_AUX_OUTPUT_FN)(ISD_TRACKER_HANDLE, WORD, BYTE *, WORD)
- typedef Bool(* ISD_BORESIGHT_FN)(ISD_TRACKER_HANDLE, WORD, Bool)
- typedef Bool(* ISD_BORESIGHT_REF_FN)(ISD_TRACKER_HANDLE, WORD, float, float, float)
- typedef Bool(* ISD_CAMERA_DATA_FN)(ISD_TRACKER_HANDLE, ISD_CAMERA_DATA_TYPE *)
- typedef Bool(* ISD_COMM_INFO_FN)(ISD_TRACKER_HANDLE, ISD_TRACKER_INFO_TYPE *)
- typedef Bool(* ISD_COMMAND_FN)(ISD_TRACKER_HANDLE)
- typedef Bool(* ISD_CONFIG_FILE_FN)(ISD_TRACKER_HANDLE, char *, Bool)
- typedef Bool(* ISD_COUNT_FN)(WORD *)
- typedef Bool(* ISD_DATA_FN)(ISD_TRACKER_HANDLE, ISD_TRACKING_DATA_TYPE *)
- typedef Bool(* ISD_GET_HARDW_INFO_FN)(ISD_TRACKER_HANDLE, ISD_STATION_HARDWARE_INFO_TYPE *, WORD)
- typedef float(* ISD_GET_TIME)(void)
- typedef DWORD(* ISD_OPEN_ALL_FN)(Hwnd, ISD_TRACKER_HANDLE *, Bool, Bool)
- typedef ISD_TRACKER_HANDLE(* ISD_OPEN_FN)(Hwnd, DWORD, Bool, Bool)
- typedef Bool(* ISD_QRY_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD, ISD_STATION_DATA_TYPE *, DWORD *, DWORD *)
- typedef Bool(* ISD_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD)
- typedef Bool(* ISD_RESET_HEADING_FN)(ISD_TRACKER_HANDLE, WORD)
- typedef Bool(* ISD_SCRIPT_FN)(ISD_TRACKER_HANDLE, char *)
- typedef Bool(* ISD_SET_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD, ISD_STATION_DATA_TYPE *, DWORD)
- typedef Bool(* ISD_STATION_CONFIG_FN)(ISD_TRACKER_HANDLE, ISD_STATION_INFO_TYPE *, WORD, Bool)
- typedef Bool(* ISD_SYS_INFO_FN)(ISD_TRACKER_HANDLE, ISD_HARDWARE_INFO_TYPE *)
- typedef Bool(* ISD_SYSTEM_CONFIG_FN)(ISD_TRACKER_HANDLE, ISD_TRACKER_INFO_TYPE *, Bool)
- typedef Bool(* ISD_UDP_BROADCAST_FN)(ISD_TRACKER_HANDLE, DWORD, ISD_TRACKING_DATA_TYPE *, ISD_CAMERA_DATA_TYPE *)

Functions

- static DLL_EP dll_entrypoint (DLL *dll, const char *name)
- static DLL * dll_load (const char *name)
- static void dll_unload (DLL *dll)
- DLLEXPORT Bool DLLENTRY ISD_AuxOutput (ISD_TRACKER_HANDLE handle, WORD stationID, BYTE *AuxOutput, WORD length)
- DLLEXPORT Bool DLLENTRY ISD_Boresight (ISD_TRACKER_HANDLE handle, WORD stationNum, Bool set)
- DLLEXPORT Bool DLLENTRY ISD_BoresightReferenced (ISD_TRACKER_HANDLE handle, WORD stationNum, float yaw, float pitch, float roll)
- DLLEXPORT Bool DLLENTRY ISD_CloseTracker (ISD_TRACKER_HANDLE handle)
- DLLEXPORT Bool DLLENTRY ISD_ConfigSave (ISD_TRACKER_HANDLE handle)
- DLLEXPORT Bool DLLENTRY ISD_ConfigureFromFile (ISD_TRACKER_HANDLE handle, char *path, Bool verbose)
- static void ISD_FreeLib (void)
- DLLEXPORT Bool DLLENTRY ISD_GetCameraData (ISD_TRACKER_HANDLE handle, ISD_CAMERA_DATA_TYPE *Data)
- DLLEXPORT Bool DLLENTRY ISD_GetCommInfo (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker)
- DLLEXPORT Bool DLLENTRY ISD_GetStationConfig (ISD_TRACKER_HANDLE handle, ISD_STATION_INFO_TYPE *Station, WORD stationNum, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_GetStationHardwareInfo (ISD_TRACKER_HANDLE handle, ISD_STATION_HARDWARE_INFO_TYPE *info, WORD stationNum)
- DLLEXPORT Bool DLLENTRY ISD_GetSystemHardwareInfo (ISD_TRACKER_HANDLE handle, ISD_HARDWARE_INFO_TYPE *hwInfo)
- DLLEXPORT float DLLENTRY ISD_GetTime (void)
- DLLEXPORT Bool DLLENTRY ISD_GetTrackerConfig (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_GetTrackingData (ISD_TRACKER_HANDLE handle, ISD_TRACKING_DATA_TYPE *Data)
- static DLL * ISD_LoadLib (void)
- DLLEXPORT Bool DLLENTRY ISD_NumOpenTrackers (WORD *num)
- DLLEXPORT DWORD DLLENTRY ISD_OpenAllTrackers (Hwnd hParent, ISD_TRACKER_HANDLE *handle, Bool infoScreen, Bool verbose)
- DLLEXPORT ISD_TRACKER_HANDLE DLLENTRY ISD_OpenTracker (Hwnd hParent, DWORD commPort, Bool infoScreen, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_ResetHeading (ISD_TRACKER_HANDLE handle, WORD stationNum)
- DLLEXPORT Bool ISD_RingBufferQuery (ISD_TRACKER_HANDLE handle, WORD stationID, ISD_STATION_DATA_TYPE *currentData, DWORD *head, DWORD *tail)
- DLLEXPORT Bool ISD_RingBufferSetup (ISD_TRACKER_HANDLE handle, WORD stationID, ISD_STATION_DATA_TYPE *dataBuffer, DWORD samples)
- DLLEXPORT Bool ISD_RingBufferStart (ISD_TRACKER_HANDLE handle, WORD stationID)
- DLLEXPORT Bool ISD_RingBufferStop (ISD_TRACKER_HANDLE handle, WORD stationID)
- DLLEXPORT Bool DLLENTRY ISD_SendScript (ISD_TRACKER_HANDLE handle, char *script)
- DLLEXPORT Bool DLLENTRY ISD_SetStationConfig (ISD_TRACKER_HANDLE handle, ISD_STATION_INFO_TYPE *Station, WORD stationNum, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_SetTrackerConfig (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_UdpBroadcastData (ISD_TRACKER_HANDLE handle, DWORD port, ISD_TRACKING_DATA_TYPE *trackerData, ISD_CAMERA_DATA_TYPE *cameraData)

Variables

- ISD_AUX_OUTPUT_FN _ISD_AuxOutput = NULL
- ISD_BORESIGHT_FN _ISD_Boresight = NULL
- ISD_BORESIGHT_REF_FN _ISD_BoresightReferenced = NULL
- ISD_COMMAND_FN _ISD_CloseTracker = NULL

- ISD_COMMAND_FN _ISD_ConfigSave = NULL
- ISD_CONFIG_FILE_FN _ISD_ConfigureFromFile = NULL
- ISD_CAMERA_DATA_FN _ISD_GetCameraData = NULL
- ISD_COMM_INFO_FN _ISD_GetCommInfo = NULL
- ISD_STATION_CONFIG_FN _ISD_GetStationConfig = NULL
- ISD_GET_HARDW_INFO_FN _ISD_GetStationHardwareInfo = NULL
- ISD_SYS_INFO_FN _ISD_GetSystemHardwareInfo = NULL
- ISD_GET_TIME _ISD_GetTime = NULL
- ISD_SYSTEM_CONFIG_FN _ISD_GetTrackerConfig = NULL
- ISD_DATA_FN _ISD_GetTrackingData = NULL
- ISD_COUNT_FN _ISD_NumOpenTrackers = NULL
- ISD_OPEN_ALL_FN _ISD_OpenAllTrackers = NULL
- ISD_OPEN_FN _ISD_OpenTracker = NULL
- ISD_RESET_HEADING_FN _ISD_ResetHeading = NULL
- ISD_QRY_RBUFFER_FN _ISD_RingBufferQuery = NULL
- ISD_SET_RBUFFER_FN _ISD_RingBufferSetup = NULL
- ISD_RBUFFER_FN _ISD_RingBufferStart = NULL
- ISD_RBUFFER_FN _ISD_RingBufferStop = NULL
- ISD_SCRIPT_FN _ISD_SendScript = NULL
- ISD_STATION_CONFIG_FN _ISD_SetStationConfig = NULL
- ISD_SYSTEM_CONFIG_FN _ISD_SetTrackerConfig = NULL
- ISD_UDP_BROADCAST_FN _ISD_UdpBroadcastData = NULL
- static DLL * hLib = NULL

5.4.1 Define Documentation

5.4.1.1 #define ISD_LIB_NAME "libisense"

5.4.2 Typedef Documentation

5.4.2.1 typedef void DLL

5.4.2.2 typedef Bool(∗ ISD_AUX_OUTPUT_FN)(ISD_TRACKER_HANDLE, WORD, BYTE ∗, WORD)

5.4.2.3 typedef Bool(∗ ISD_BORESIGHT_FN)(ISD_TRACKER_HANDLE, WORD, Bool)

5.4.2.4 typedef Bool(∗ ISD_BORESIGHT_REF_FN)(ISD_TRACKER_HANDLE, WORD, float, float, float)

5.4.2.5 typedef Bool(∗ ISD_CAMERA_DATA_FN)(ISD_TRACKER_HANDLE, ISD_CAMERA_DATA_TYPE ∗)

5.4.2.6 typedef Bool(∗ ISD_COMM_INFO_FN)(ISD_TRACKER_HANDLE, ISD_TRACKER_INFO_TYPE ∗)

5.4.2.7 typedef Bool(∗ ISD_COMMAND_FN)(ISD_TRACKER_HANDLE)

5.4.2.8 typedef Bool(∗ ISD_CONFIG_FILE_FN)(ISD_TRACKER_HANDLE, char ∗, Bool)

5.4.2.9 typedef Bool(∗ ISD_COUNT_FN)(WORD ∗)

5.4.2.10 typedef Bool(∗ ISD_DATA_FN)(ISD_TRACKER_HANDLE, ISD_TRACKING_DATA_TYPE ∗)

5.4.2.11 typedef Bool(∗ ISD_GET_HARDW_INFO_FN)(ISD_TRACKER_HANDLE, ISD_STATION_HARDWARE_INFO_TYPE ∗, WORD)

5.4.2.12 typedef float(∗ ISD_GET_TIME)(void)

5.4.2.13 typedef DWORD(∗ ISD_OPEN_ALL_FN)(Hwnd, ISD_TRACKER_HANDLE ∗, Bool, Bool)

5.4.2.14 typedef ISD_TRACKER_HANDLE(∗ ISD_OPEN_FN)(Hwnd, DWORD, Bool, Bool)

5.4.2.15 typedef Bool(∗ ISD_QRY_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD, ISD_STATION_DATA_TYPE ∗, DWORD ∗, DWORD ∗)

5.4.2.16 typedef Bool(∗ ISD_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD)

5.4.2.17 typedef Bool(∗ ISD_RESET_HEADING_FN)(ISD_TRACKER_HANDLE, WORD)

5.4.2.18 typedef Bool(∗ ISD_SCRIPT_FN)(ISD_TRACKER_HANDLE, char ∗)

5.4.2.19 typedef Bool(∗ ISD_SET_RBUFFER_FN)(ISD_TRACKER_HANDLE, WORD, ISD_STATION_DATA_TYPE ∗, DWORD)

5.4.2.20 typedef Bool(∗ ISD_STATION_CONFIG_FN)(ISD_TRACKER_HANDLE, ISD_STATION_INFO_TYPE ∗, WORD, Bool)

5.4.2.21 typedef Bool(∗ ISD_SYS_INFO_FN)(ISD_TRACKER_HANDLE, ISD_HARDWARE_INFO_TYPE ∗)

5.4.2.22 typedef Bool(∗ ISD_SYSTEM_CONFIG_FN)(ISD_TRACKER_HANDLE, ISD_TRACKER_INFO_TYPE ∗, Bool)

5.4.2.23 typedef Bool(∗ ISD_UDP_BROADCAST_FN)(ISD_TRACKER_HANDLE, DWORD, ISD_TRACKING_DATA_TYPE ∗, ISD_CAMERA_DATA_TYPE ∗)

5.4.3 Function Documentation

5.4.3.1 static DLL_EP dll_entrypoint (DLL ∗ *dll*, const char ∗ *name*) [static]

5.4.3.2 static DLL ∗ dll_load (const char ∗ *name*) [static]

5.4.3.3 static void dll_unload (DLL ∗ *dll*) [static]

5.4.3.4 DLLEXPORT Bool DLLENTRY ISD_AuxOutput (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, BYTE ∗ *AuxOutput*, WORD *length*)

5.4.3.5 DLLEXPORT Bool DLLENTRY ISD_Boresight (ISD_TRACKER_HANDLE *handle*, WORD *stationNum*, Bool *set*)

5.4.3.6 DLLEXPORT Bool DLLENTRY ISD_BoresightReferenced (ISD_TRACKER_HANDLE *handle*, WORD *stationNum*, float *yaw*, float *pitch*, float *roll*)

5.4.3.7 DLLEXPORT Bool DLLENTRY ISD_CloseTracker (ISD_TRACKER_HANDLE *handle*)

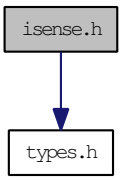
5.4.3.8 DLLEXPORT Bool DLLENTRY ISD_ConfigSave (ISD_TRACKER_HANDLE *handle*)

5.4.3.9 DLLEXPORT Bool DLLENTRY ISD_ConfigureFromFile (ISD_TRACKER_HANDLE *handle*, char ∗ *path*, Bool *verbose*)

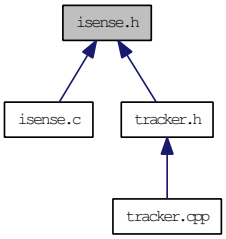
5.5 isense.h File Reference

```
#include "types.h"
```

Include dependency graph for isense.h:



This graph shows which files directly or indirectly include this file:



Classes

- struct ISD_CAMERA_DATA_TYPE
- struct ISD_CAMERA_ENCODER_DATA_TYPE
- struct ISD_HARDWARE_INFO_TYPE
- struct ISD_STATION_DATA_TYPE
- struct ISD_STATION_HARDWARE_INFO_TYPE
- struct ISD_STATION_INFO_TYPE
- struct ISD_TRACKER_INFO_TYPE
- struct ISD_TRACKING_DATA_TYPE

Defines

- #define DLL_EP_PTR *
- #define DLLENTRY
- #define DLLEXPORT
- #define FALSE 0
- #define ISD_DEFAULT_FRAME 1
- #define ISD_EULER 1
- #define ISD_MAX_AUX_INPUTS 4
- #define ISD_MAX_AUX_OUTPUTS 4
- #define ISD_MAX_BUTTONS 8
- #define ISD_MAX_CHANNELS 10
- #define ISD_MAX_STATIONS 8
- #define ISD_MAX_TRACKERS 32
- #define ISD_QUATERNION 2
- #define ISD_VSET_FRAME 2
- #define TRUE 1

Typedefs

- typedef void(* DLL_EP)(void)
- typedef int ISD_TRACKER_HANDLE

Enumerations

- enum ISD_AUX_SYSTEM_TYPE {
  ISD_AUX_SYSTEM_NONE = 0, ISD_AUX_SYSTEM_ULTRASONIC, ISD_AUX_SYSTEM_OPTICAL, ISD_AUX_SYSTEM_MAGNETIC,
  ISD_AUX_SYSTEM_RF, ISD_AUX_SYSTEM_GPS }
- enum ISD_INTERFACE_TYPE {
  ISD_INTERFACE_UNKNOWN = 0, ISD_INTERFACE_SERIAL, ISD_INTERFACE_USB, ISD_INTERFACE_ETHERNET_UDP,
  ISD_INTERFACE_ETHERNET_TCP, ISD_INTERFACE_IOCARD, ISD_INTERFACE_PCMCIA, ISD_INTERFACE_FILE }
- enum ISD_SYSTEM_MODEL {
  ISD_UNKNOWN = 0, ISD_IS300, ISD_IS600, ISD_IS900,
  ISD_INTERTRAX, ISD_INTERTRAX_2, ISD_INTERTRAX_LS, ISD_INTERTRAX_LC,
  ISD_ICUBE2, ISD_ICUBE2_PRO, ISD_IS1200, ISD_ICUBE3,
  ISD_ICUBE4, ISD_INTERTRAX_3, ISD_IMUK, ISD_ICUBE2B_PRO }
- enum ISD_SYSTEM_TYPE { ISD_NONE = 0, ISD_PRECISION_SERIES, ISD_INTERTRAX_SERIES }

Functions

- DLLEXPORT Bool DLLENTRY ISD_AuxOutput (ISD_TRACKER_HANDLE handle, WORD stationID, BYTE *AuxOutput, WORD length)
- DLLEXPORT Bool DLLENTRY ISD_Boresight (ISD_TRACKER_HANDLE handle, WORD stationID, Bool set)
- DLLEXPORT Bool DLLENTRY ISD_BoresightReferenced (ISD_TRACKER_HANDLE handle, WORD stationID, float yaw, float pitch, float roll)
- DLLEXPORT Bool DLLENTRY ISD_CloseTracker (ISD_TRACKER_HANDLE handle)
- DLLEXPORT Bool ISD_ConfigSave (ISD_TRACKER_HANDLE handle)
- DLLEXPORT Bool ISD_ConfigureFromFile (ISD_TRACKER_HANDLE handle, char *path, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_GetCameraData (ISD_TRACKER_HANDLE handle, ISD_CAMERA_DATA_TYPE *Data)
- DLLEXPORT Bool DLLENTRY ISD_GetCommInfo (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker)
- DLLEXPORT Bool DLLENTRY ISD_GetStationConfig (ISD_TRACKER_HANDLE handle, ISD_STATION_INFO_TYPE *Station, WORD stationID, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_GetStationHardwareInfo (ISD_TRACKER_HANDLE handle, ISD_STATION_HARDWARE_INFO_TYPE *info, WORD stationID)
- DLLEXPORT Bool DLLENTRY ISD_GetSystemHardwareInfo (ISD_TRACKER_HANDLE handle, ISD_HARDWARE_INFO_TYPE *hwInfo)
- DLLEXPORT float DLLENTRY ISD_GetTime (void)
- DLLEXPORT Bool DLLENTRY ISD_GetTrackerConfig (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_GetTrackingData (ISD_TRACKER_HANDLE handle, ISD_TRACKING_DATA_TYPE *Data)
- DLLEXPORT Bool DLLENTRY ISD_NumOpenTrackers (WORD *num)
- DLLEXPORT DWORD DLLENTRY ISD_OpenAllTrackers (Hwnd hParent, ISD_TRACKER_HANDLE *handle, Bool infoScreen, Bool verbose)
- DLLEXPORT ISD_TRACKER_HANDLE DLLENTRY ISD_OpenTracker (Hwnd hParent, DWORD commPort, Bool infoScreen, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_ResetHeading (ISD_TRACKER_HANDLE handle, WORD stationID)
- DLLEXPORT Bool ISD_RingBufferQuery (ISD_TRACKER_HANDLE handle, WORD stationID, ISD_STATION_DATA_TYPE *currentData, DWORD *head, DWORD *tail)
- DLLEXPORT Bool ISD_RingBufferSetup (ISD_TRACKER_HANDLE handle, WORD stationID, ISD_STATION_DATA_TYPE *dataBuffer, DWORD samples)
- DLLEXPORT Bool ISD_RingBufferStart (ISD_TRACKER_HANDLE handle, WORD stationID)
- DLLEXPORT Bool ISD_RingBufferStop (ISD_TRACKER_HANDLE handle, WORD stationID)

- DLLEXPORT Bool DLLENTRY ISD_SendScript (ISD_TRACKER_HANDLE handle, char *script)
- DLLEXPORT Bool DLLENTRY ISD_SetStationConfig (ISD_TRACKER_HANDLE handle, ISD_STATION_INFO_TYPE *Station, WORD stationID, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_SetTrackerConfig (ISD_TRACKER_HANDLE handle, ISD_TRACKER_INFO_TYPE *Tracker, Bool verbose)
- DLLEXPORT Bool DLLENTRY ISD_UdpDataBroadcast (ISD_TRACKER_HANDLE handle, DWORD port, ISD_TRACKING_DATA_TYPE *trackingData, ISD_CAMERA_DATA_TYPE *cameraData)

5.5.1 Define Documentation

5.5.1.1 #define DLL_EP_PTR *

5.5.1.2 #define DLLENTRY

5.5.1.3 #define DLLEXPORT

5.5.1.4 #define FALSE 0

5.5.1.5 #define ISD_DEFAULT_FRAME 1

5.5.1.6 #define ISD_EULER 1

5.5.1.7 #define ISD_MAX_AUX_INPUTS 4

5.5.1.8 #define ISD_MAX_AUX_OUTPUTS 4

5.5.1.9 #define ISD_MAX_BUTTONS 8

5.5.1.10 #define ISD_MAX_CHANNELS 10

5.5.1.11 #define ISD_MAX_STATIONS 8

5.5.1.12 #define ISD_MAX_TRACKERS 32

5.5.1.13 #define ISD_QUATERNION 2

5.5.1.14 #define ISD_VSET_FRAME 2

5.5.1.15 #define TRUE 1

5.5.2 Typedef Documentation

5.5.2.1 typedef void(* DLL_EP)(void)

5.5.2.2 typedef int ISD_TRACKER_HANDLE

5.5.3 Enumeration Type Documentation

5.5.3.1 enum ISD_AUX_SYSTEM_TYPE

Enumerator:

ISD_AUX_SYSTEM_NONE
ISD_AUX_SYSTEM_ULTRASONIC
ISD_AUX_SYSTEM_OPTICAL
ISD_AUX_SYSTEM_MAGNETIC
ISD_AUX_SYSTEM_RF
ISD_AUX_SYSTEM_GPS

5.5.3.2 enum ISD_INTERFACE_TYPE

Enumerator:

ISD_INTERFACE_UNKNOWN
ISD_INTERFACE_SERIAL
ISD_INTERFACE_USB
ISD_INTERFACE_ETHERNET_UDP
ISD_INTERFACE_ETHERNET_TCP

ISD_INTERFACE_IOCARD

ISD_INTERFACE_PCMCIA

ISD_INTERFACE_FILE

5.5.3.3 enum ISD_SYSTEM_MODEL

Enumerator:

ISD_UNKNOWN

ISD_IS300

ISD_IS600

ISD_IS900

ISD_INTERTRAX

ISD_INTERTRAX_2

ISD_INTERTRAX_LS

ISD_INTERTRAX_LC

ISD_ICUBE2

ISD_ICUBE2_PRO

ISD_IS1200

ISD_ICUBE3

ISD_ICUBE4

ISD_INTERTRAX_3

ISD_IMUK

ISD_ICUBE2B_PRO

5.5.3.4 enum ISD_SYSTEM_TYPE

Enumerator:

ISD_NONE

ISD_PRECISION_SERIES

ISD_INTERTRAX_SERIES

5.5.4 Function Documentation

5.5.4.1 DLLEXPORT Bool DLLENTRY ISD_AuxOutput (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, BYTE * *AuxOutput*, WORD *length*)

5.5.4.2 DLLEXPORT Bool DLLENTRY ISD_Boresight (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, Bool *set*)

5.5.4.3 DLLEXPORT Bool DLLENTRY ISD_BoresightReferenced (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, float *yaw*, float *pitch*, float *roll*)

5.5.4.4 DLLEXPORT Bool DLLENTRY ISD_CloseTracker (ISD_TRACKER_HANDLE *handle*)

5.5.4.5 DLLEXPORT Bool ISD_ConfigSave (ISD_TRACKER_HANDLE *handle*)

5.5.4.6 DLLEXPORT Bool ISD_ConfigureFromFile (ISD_TRACKER_HANDLE *handle*, char * *path*, Bool *verbose*)

5.5.4.7 DLLEXPORT Bool DLLENTRY ISD_GetCameraData (ISD_TRACKER_HANDLE *handle*, ISD_CAMERA_DATA_TYPE * *Data*)

5.5.4.8 DLLEXPORT Bool DLLENTRY ISD_GetCommInfo (ISD_TRACKER_HANDLE *handle*, ISD_TRACKER_INFO_TYPE * *Tracker*)

5.5.4.9 DLLEXPORT Bool DLLENTRY ISD_GetStationConfig (ISD_TRACKER_HANDLE *handle*, ISD_STATION_INFO_TYPE * *Station*, WORD *stationID*, Bool *verbose*)

5.5.4.10 DLLEXPORT Bool DLLENTRY ISD_GetStationHardwareInfo (ISD_TRACKER_HANDLE *handle*, ISD_STATION_HARDWARE_INFO_TYPE * *info*, WORD *stationID*)

5.5.4.11 DLLEXPORT Bool DLLENTRY ISD_GetSystemHardwareInfo (ISD_TRACKER_HANDLE *handle*, ISD_HARDWARE_INFO_TYPE * *hwInfo*)

5.5.4.12 DLLEXPORT float DLLENTRY ISD_GetTime (void)

5.5.4.13 DLLEXPORT Bool DLLENTRY ISD_GetTrackerConfig (ISD_TRACKER_HANDLE *handle*, ISD_TRACKER_INFO_TYPE * *Tracker*, Bool *verbose*)

5.5.4.14 DLLEXPORT Bool DLLENTRY ISD_GetTrackingData (ISD_TRACKER_HANDLE *handle*, ISD_TRACKING_DATA_TYPE * *Data*)

5.5.4.15 DLLEXPORT Bool DLLENTRY ISD_NumOpenTrackers (WORD * *num*)

5.5.4.16 DLLEXPORT DWORD DLLENTRY ISD_OpenAllTrackers (Hwnd *hParent*, ISD_TRACKER_HANDLE * *handle*, Bool *infoScreen*, Bool *verbose*)

5.5.4.17 DLLEXPORT ISD_TRACKER_HANDLE DLLENTRY ISD_OpenTracker (Hwnd *hParent*, DWORD *commPort*, Bool *infoScreen*, Bool *verbose*)

5.5.4.18 DLLEXPORT Bool DLLENTRY ISD_ResetHeading (ISD_TRACKER_HANDLE *handle*, WORD *stationID*)

5.5.4.19 DLLEXPORT Bool ISD_RingBufferQuery (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, ISD_STATION_DATA_TYPE * *currentData*, DWORD * *head*, DWORD * *tail*)

5.5.4.20 DLLEXPORT Bool ISD_RingBufferSetup (ISD_TRACKER_HANDLE *handle*, WORD *stationID*, ISD_STATION_DATA_TYPE * *dataBuffer*, DWORD *samples*)

5.5.4.21 DLLEXPORT Bool ISD_RingBufferStart (ISD_TRACKER_HANDLE *handle*, WORD *stationID*)

5.5.4.22 DLLEXPORT Bool ISD_RingBufferStop (ISD_TRACKER_HANDLE *handle*, WORD *stationID*)

5.5.4.23 DLLEXPORT Bool DLLENTRY ISD_SendScript (ISD_TRACKER_HANDLE *handle*, char * *script*)

5.5.4.24 DLLEXPORT Bool DLLENTRY ISD_SetStationConfig (ISD_TRACKER_HANDLE *handle*, ISD_STATION_INFO_TYPE * *Station*, WORD *stationID*, Bool *verbose*)

5.5.4.25 DLLEXPORT Bool DLLENTRY ISD_SetTrackerConfig (ISD_TRACKER_HANDLE *handle*, ISD_TRACKER_INFO_TYPE * *Tracker*, Bool *verbose*)

5.5.4.26 DLLEXPORT Bool DLLENTRY ISD_UdpDataBroadcast (ISD_TRACKER_HANDLE *handle*, DWORD *port*, ISD_TRACKING_DATA_TYPE * *trackingData*, ISD_CAMERA_DATA_TYPE * *cameraData*)

5.6 mainpage.h File Reference

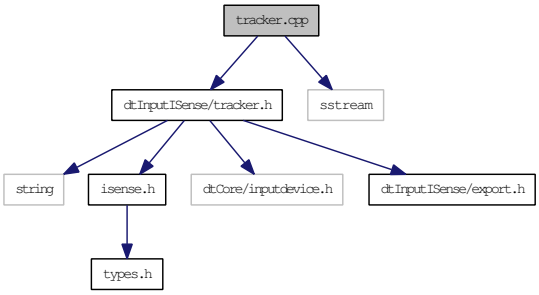
5.6.1 Detailed Description

This file contains Doxygen special commands and text for the Main Page and some other minor aspects of this documentation. It is not part of Delta3D.

5.7 tracker.cpp File Reference

```
#include <dtInputISense/tracker.h>
#include <sstream>
```

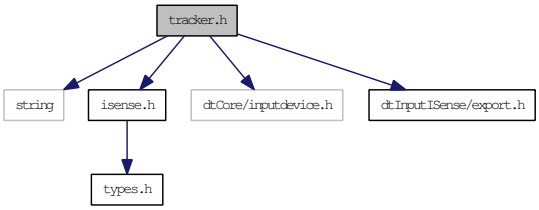
Include dependency graph for tracker.cpp:



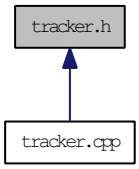
5.8 tracker.h File Reference

```
#include <string>
#include "isense.h"
#include <dtCore/inputdevice.h>
#include <dtInputISense/export.h>
```

Include dependency graph for tracker.h:



This graph shows which files directly or indirectly include this file:



Classes

- class Tracker

  A tracker device.

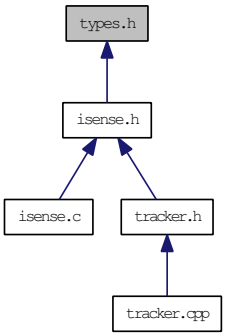
Namespaces

- namespace dtInputISense

  The dtInputIsense namespace contains classes that allow for reading of Intersense (http://www.isense.com/) tracker devices.

5.9 types.h File Reference

This graph shows which files directly or indirectly include this file:



Typedefs

- typedef long Bool
- typedef unsigned char BYTE
- typedef unsigned long DWORD
- typedef long Hwnd
- typedef long LONG
- typedef unsigned short WORD

5.9.1 Typedef Documentation

5.9.1.1 typedef long Bool

5.9.1.2 typedef unsigned char BYTE

5.9.1.3 typedef unsigned long DWORD

5.9.1.4 typedef long Hwnd

5.9.1.5 typedef long LONG

5.9.1.6 typedef unsigned short WORD

Index

- D -

- E -

- F -

- G -

- H -

- I -

- K -

- U -

- V -

- W -

- Z -