QTKit Constants Reference

QuickTime > Cocoa

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QTKit Constants Reference

Framework: QTKit/QTKit.h

Declared in QTError.h

Overview

This document defines constants in the QTKit framework that are not associated with a particular class.

Constants

QTKit Error Domain

The QTKit error domain identifier, and keys for extracting specific values from the userInfo dictionary of an error returned by QTKit.

```
NSString * const QTKitErrorDomain;
NSString * const QTErrorCaptureInputKey;
NSString * const QTErrorCaptureOutputKey;
NSString * const QTErrorDeviceKey;
NSString * const QTErrorExcludingDeviceKey;
NSString * const QTErrorRecordingSuccesfullyFinishedKey;
```

Constants

`QTKitErrorDomain`

The QTKit error domain identifier.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

`QTErrorCaptureInputKey`

Use this key to retrieve the `QTCaptureInput` object for which the error occurred.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

`QTErrorCaptureOutputKey`

Use this key to retrieve the `QTCaptureOutput` object for which the error occurred.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

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`QTErrorDeviceKey`

Use this key to retrieve the `QTCaptureDevice` object for which the error occurred.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

`QTErrorExcludingDeviceKey`

Use this key to retrieve the `QTCaptureDevice` object for the device whose presence is excluding the device for which the error occurred.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

`QTErrorRecordingSuccesfullyFinishedKey`

Use this key to determine whether the products of a recording were successfully finished after recording stopped due to an error. The value is an `NSNumber` interpreted as a `BOOL`.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

QTKit Error Codes

Error codes returned within QTKitErrorDomain.

```
enum {
    QTErrorUnknown                                  = -1,
    QTErrorIncompatibleInput                        = 1002,
    QTErrorIncompatibleOutput                       = 1003,
    QTErrorInvalidInputsOrOutputs                   = 1100,
    QTErrorDeviceAlreadyUsedbyAnotherSession        = 1101,
    QTErrorNoDataCaptured                           = 1200,
    QTErrorSessionConfigurationChanged              = 1201,
    QTErrorDiskFull                                 = 1202,
    QTErrorDeviceWasDisconnected                    = 1203,
    QTErrorMediaChanged                             = 1204,
    QTErrorMaximumDurationReached                   = 1205,
    QTErrorMaximumFileSizeReached                   = 1206,
    QTErrorMediaDiscontinuity                       = 1207,
    QTErrorDeviceNotConnected                       = 1300,
    QTErrorDeviceInUseByAnotherApplication          = 1301,
    QTErrorDeviceExcludedByAnotherDevice            = 1302,
};
```

Constants

`QTErrorUnknown`

Indicates an unexpected or unknown error.

Check `NSUnderlyingErrorKey` for an NSError representing the internal cause of the error.

Available in Mac OS X v10.5 and later.

Declared in `QTError.h`.

`QTErrorInputAlreadyConnectedToAnotherSession`

The input could not be added to the specified session because it is already connected to another session.

Check `QTErrorCaptureInputKey` for the input experiencing the error.

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`QTErrorOutputAlreadyConnectedToAnotherSession`
: The output could not be added to the specified session because it is already connected to another session.

  Check `QTErrorCaptureOutputKey` for the output experiencing the error.

`QTErrorIncompatibleInput`
: The input could not be added to the specified session because it is incompatible with existing inputs and outputs in the session.

  Check `QTErrorCaptureInputKey` for the input experiencing the error.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorIncompatibleOutput`
: The output could not be added to the specified session because it is incompatible with existing inputs and outputs in the session.

  Check `QTErrorCaptureOutputKey` for the output experiencing the error.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorInvalidInputOrOutput`
: The input or output could not be added to the specified session because the session experiences a runtime error due to a problem with one of the inputs or outputs.

  Check `NSUnderlyingErrorKey` for an NSError representing the internal cause of the error.

`QTErrorDeviceAlreadyUsedbyAnotherSession`
: The device could not be added to the session because it experiences a runtime error trying to use a device already being used by another session.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorNoDataCaptured`
: Returned when no data was successfully captured during a recording or other capture operation.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorSessionConfigurationChanged`
: The recording has been automatically stopped because an input or output has been added or removed, or the channels of an input or output have changed.

  Check `QTErrorCaptureSuccesfullyFinishedKey` to determine if the recorded products were successfully completed when recording was stopped.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorDiskFull`
: The recording has been automatically stopped because the disk being used for recorded products is full.

  Check `QTErrorCaptureSuccesfullyFinishedKey` to determine if the recorded products were successfully completed when recording was stopped. This error will occur while the destination disk still has sufficient space to avoid system wide warnings about low disk space.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

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`QTErrorDeviceWasDisconnected`
: The recording has been automatically stopped because an input device was disconnected.

  Check `QTErrorCaptureSuccesfullyFinishedKey` to determine if the capture products were successfully completed when recording was stopped.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorMediaChanged`
: The recording has been automatically stopped because the format of the input media changed or the media samples were invalid.

  Check `QTErrorCaptureSuccesfullyFinishedKey` to determine if the capture products were successfully completed when recording was stopped.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorMaximumDurationReached`
: Returned when recording has reached the maximum duration specified by the application.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorMaximumFileSizeReached`
: Returned when recording has reached the maximum file size specified by the application.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorMediaDiscontinuity`
: Returned when there is a discontinuity in captured media, usually because of perfomance problems on the user's system or because of a change in a device's state. This error generally indicates that media samples have been dropped in order to maintain real time capture.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorDeviceNotConnected`
: The device is not connected to the computer.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorDeviceInUseByAnotherApplication`
: The device is in use by another application.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

`QTErrorDeviceExcludedByAnotherDevice`
: The device is excluded by another device.

  Check `QTErrorExcludingDeviceKey` to determine the device that needs to be closed to open the device that failed.

  Available in Mac OS X v10.5 and later.

  Declared in `QTError.h`.

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Document Revision History

This table describes the changes to *QTKit Constants Reference*.

Date	Notes
2007-07-19	New document that describes QTKit constants for working with video capture.

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