
QTCompressionOptions Class Reference

[QuickTime](#) > [Cocoa](#)



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QTCompressionOptions Class Reference

Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/QTKit.framework
Availability	Available in QuickTime 7.2.1 and later.
Declared in	QTCompressionOptions.h

Overview

This class represents a set of compression options for a particular type of media. `QTCompressionOptions` objects are used to describe compression options for different kinds of media. Compression options are created from presets keyed by a named identifier. Preset identifiers are described in the Constants section that describes the Compression Options Identifiers.

Tasks

Creating and Configuring Compression Options

- + [compressionOptionsIdentifiersForMediaType:](#) (page 6)
Returns all of the possible identifiers for the given media type that can be used with `compressionOptionsWithIdentifier:` on the user's system.
- + [compressionOptionsWithIdentifier:](#) (page 6)
Returns a compression options object configured for the given identifier.

Receiving Compression Options

- [mediaType](#) (page 8)
The media type on which the receiver's compression options should be used.
- [localizedDisplayName](#) (page 7)
A short localized name describing the receiver's compression options.
- [localizedCompressionOptionsSummary](#) (page 7)
A localized summary of the receiver's compression options.

- [isEqualToCompressionOptions:](#) (page 7)
Returns whether the receiver contains options identical to those in the given compression options object.

Class Methods

compressionOptionsIdentifiersForMediaType:

Returns all of the possible identifiers for the given media type that can be used with `compressionOptionsWithIdentifier:` on the user's system.

```
+ (NSArray *)compressionOptionsIdentifiersForMediaType:(NSString *)mediaType
```

Parameters

mediaType

A media type used to create compression options.

Return Value

An array of strings that can be used to create compression options with the `compressionOptionsWithIdentifier:` method.

Discussion

Media types are defined in `QTMedia.h`.

Availability

Mac OS X v10.5 and later.

Declared In

`QTCompressionOptions.h`

compressionOptionsWithIdentifier:

Returns a compression options object configured for the given identifier.

```
+ (id)compressionOptionsWithIdentifier:(NSString *)identifier
```

Parameters

identifier

The identifier for the compression options object.

Return Value

A compression options object with the appropriate compression options.

Availability

Mac OS X v10.5 and later.

Declared In

`QTCompressionOptions.h`

Instance Methods

isEqualToCompressionOptions:

Returns whether the receiver contains options identical to those in the given compression options object.

- (BOOL)isEqualToCompressionOptions:(QTCompressionOptions *)*compressionOptions*

Parameters

compressionOptions

The compression options of the compression options object.

Availability

Mac OS X v10.5 and later.

Declared In

QTCompressionOptions.h

localizedCompressionOptionsSummary

A localized summary of the receiver's compression options.

- (NSString *)localizedCompressionOptionsSummary

Return Value

A localized string summarizing the receiver's compression options.

Availability

Mac OS X v10.5 and later.

Declared In

QTCompressionOptions.h

localizedDisplayName

A short localized name describing the receiver's compression options.

- (NSString *)localizedDisplayName

Return Value

A localized string appropriate for display in the user interface (in a list of compression options, for example).

Availability

Mac OS X v10.5 and later.

Declared In

QTCompressionOptions.h

mediaType

The media type on which the receiver’s compression options should be used.

- (NSString *)mediaType

Return Value

A QuickTime media type, such as `QTMediaTypeVideo` or `QTMediaTypeSound`.

Availability

Mac OS X v10.5 and later.

Declared In

`QTCompressionOptions.h`

Constants

Compression Options Identifiers

These identifiers can be passed to the `compressionOptionsWithIdentifier:` class method to get an instance configured with the compression options for that identifier. Each identifier represents a set of options that determine how media will be compressed.

```
QTCompressionOptionsLosslessAppleIntermediateVideo;
QTCompressionOptionsLosslessAnimationVideo;
QTCompressionOptions120SizeH264Video;
QTCompressionOptions240SizeH264Video;
QTCompressionOptionsSD480SizeH264Video;
QTCompressionOptions120SizeMPEG4Video;
QTCompressionOptions240SizeMPEG4Video;
QTCompressionOptionsSD480SizeMPEG4Video;
QTCompressionOptionsLosslessALCAudio;
QTCompressionOptionsHighQualityAACAudio;
QTCompressionOptionsVoiceQualityAACAudio;
```

Constants

`QTCompressionOptionsLosslessAppleIntermediateVideo`

Compresses video using the Apple Intermediate codec at lossless quality.

This is appropriate for an intermediate format for media that requires further processing.

Not available in 64-bit.

`QTCompressionOptionsLosslessAnimationVideo`

Compresses video using the Animation codec at highest quality and color depth.

This is appropriate for an intermediate format for media that requires further processing.

`QTCompressionOptions120SizeH264Video`

Compresses video using the H.264 codec using medium bit-rate settings with dimensions no larger than 160x120.

This is appropriate for delivery to low-bandwidth and low-capacity destinations.

`QTCompressionOptions240SizeH264Video`

Compresses video using the H.264 codec using medium bit-rate settings with dimensions no larger than 320x240.

This is appropriate for delivery to medium-bandwidth and medium-capacity destinations.

`QTCompressionOptionsSD480SizeH264Video`

Compresses video using the H.264 codec using medium bit-rate settings with dimensions no larger than 720x480.

This is appropriate for delivery to medium and high-bandwidth and medium- and high-capacity destinations.

`QTCompressionOptions120SizeMPEG4Video`

Compresses video using the MPEG-4 codec using medium bit-rate settings with dimensions no larger than 160x120.

This is appropriate for delivery to low-bandwidth and low-capacity destinations.

Not available in 64-bit.

`QTCompressionOptions240SizeMPEG4Video`

Compresses video using the MPEG-4 codec using medium bit-rate settings with dimensions no larger than 320x240.

This is appropriate for delivery to medium-bandwidth and medium-capacity destinations.

Not available in 64-bit.

`QTCompressionOptionsSD480SizeMPEG4Video`

Compresses video using the MPEG-4 codec using medium bit-rate settings with dimensions no larger than 720x480.

This is appropriate for delivery to medium and high-bandwidth and medium- and high-capacity destinations.

Not available in 64-bit.

`QTCompressionOptionsLosslessALCAudio`

Compresses audio using the Apple Lossless codec.

This is appropriate for an intermediate format for media that requires further processing.

`QTCompressionOptionsHighQualityAACAudio`

Compresses audio using the AAC codec at 64 kbps per channel.

This is appropriate for delivery of high-quality music and other audio.

`QTCompressionOptionsVoiceQualityAACAudio`

Compresses audio using the AAC codec at 32 kbps per channel.

This is appropriate for delivery of voice recordings.

Document Revision History

This table describes the changes to *QTCompressionOptions Class Reference*.

Date	Notes
2009-04-08	Fixed constant listings. Minor fixes. Verification of method descriptions.
2009-03-04	Added availability information; 64-bit support. Fixed method descriptions. Minor edit fixes.
2007-07-23	New document that describes the Objective-C API for supporting and working with QuickTime Capture.

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