QTMovieView Class Reference

QuickTime > Cocoa

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QTMovieView Class Reference

Inherits from	NSView : NSResponder : NSObject
Conforms to	NSTextInput NSUserInterfaceValidations NSCoding NSAnimatablePropertyContainer (NSView) NSCoding (NSResponder) NSObject (NSObject)
Framework	/System/Library/Frameworks/QTKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	QTMovieView.h
Related sample code	QTAudioExtractionPanel QTKitCreateMovie QTKitMovieShuffler QTKitPlayer QTKitTimeCode

Overview

A `QTMovieView` is a subclass of `NSView` that can be used to display and control QuickTime movies. You normally use a QTMovieView in combination with a QTMovie object, which supplies the movie being displayed. A QTMovieView also supports editing operations on the movie.

The movie can be placed within an arbitrary bounding rectangle in the view's coordinate system, and the remainder of the view can be filled with a fill color. The movie controller, if it is visible, can also be placed within an arbitrary bounding rectangle in the view's coordinate system.

Adopted Protocols

NSMenuValidations

```
- validateMenuItem:
```

NSUserInterfaceValidations

```
- validateUserInterfaceItem
```


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Tasks

Initializing the View

- `initWithFrame:` (page 12)

Getting View Characteristics

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  Sets the specified controller bar button to be visible or invisible, according to the state parameter.
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  Returns the current visibility state of the specified controller bar button.
- `areZoomButtonsVisible` (page 9)
  Returns the current visibility state of the specified controller bar button.

Instance Methods

add:

```
- (IBAction)add:(id)sender
```

Discussion
This action method adds the contents of the clipboard to the movie at the current movie time. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

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Declared In
QTMovieView.h

addScaled:

```
- (IBAction)addScaled:(id)sender
```

Discussion
This action method adds the contents of the clipboard to the movie, scaled to fit into the current movie selection. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
QTMovieView.h

areStepButtonsVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)areStepButtonsVisible
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
QTMovieView.h

areZoomButtonsVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)areZoomButtonsVisible
```

Discussion
These methods allow applications to hide and show specific buttons in the movie controller bar.

Availability
Available in Mac OS X v10.5 and later.

Declared In
QTMovieView.h

controllerBarHeight

```
- (float)controllerBarHeight
```

Discussion
Returns the height of the controller bar.

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Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

copy:

```
- (IBAction)copy:(id)sender
```

Discussion
This action method copies the current movie selection onto the clipboard. If there is no selection, the current frame is copied. The movie does not need to be editable.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

cut:

```
- (IBAction)cut:(id)sender
```

Discussion
This action method deletes the current movie selection from the movie, placing it on the clipboard. If there is no selection, the current frame is deleted. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

delete:

```
- (IBAction)delete:(id)sender
```

Discussion
This action method deletes the current movie selection from the movie, placing it on the clipboard. If there is no selection, the current frame is deleted. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

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fillColor

```
- (NSColor *)fillColor
```

Discussion
Returns the fill color of the QTMovieView.

Availability
Available in Mac OS X v10.3 and later.

Declared In
QTMovieView.h

gotoBeginning:

```
- (IBAction)gotoBeginning:(id)sender
```

Discussion
This action method sets the current movie time to the beginning of the movie. If the movie is playing, the movie continues playing from the new position.

Availability
Available in Mac OS X v10.3 and later.

Declared In
QTMovieView.h

gotoEnd:

```
- (IBAction)gotoEnd:(id)sender
```

Discussion
This action method sets the current movie time to the end of the movie. If the movie is playing in one of the looping modes, the movie continues playing accordingly; otherwise, play stops.

Availability
Available in Mac OS X v10.3 and later.

Declared In
QTMovieView.h

gotoNextSelectionPoint:

```
- (IBAction)gotoNextSelectionPoint:(id)sender
```

Discussion
This action method sets the current movie time to the next selection point.

Availability
Available in Mac OS X v10.3 and later.

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Declared In
`QTMovieView.h`

gotoPosterFrame:

```
- (IBAction)gotoPosterFrame:(id)sender
```

Discussion
This action method sets the current movie time to the movie poster frame.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

gotoPreviousSelectionPoint:

```
- (IBAction)gotoPreviousSelectionPoint:(id)sender
```

Discussion
This action method sets the current movie time to the previous selection point.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

initWithFrame:

```
- (id)initWithFrame:(NSRect)frame
```

Discussion
Initializes a newly allocated QTMovieView with *frame* as its frame rectangle. The new movie view object must be inserted into the view hierarchy of an NSWindow before it can be used. This method is the designated initializer for the `QTMovieView` class.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

isBackButtonVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)isBackButtonVisible
```


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Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

isControllerVisible

```
- (BOOL)isControllerVisible
```

Discussion
Returns `YES` if the movie controller bar of the QTMovieView object is visible. The default is `YES`.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

isCustomButtonVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)isCustomButtonVisible
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

isEditable

```
- (BOOL)isEditable
```

Discussion
Returns `YES` if the QTMovieView object is editable. When editable, a movie can be modified using editing methods and associated key commands. The default is `NO`.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

isHotSpotButtonVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)isHotSpotButtonVisible
```


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Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

isTranslateButtonVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)isTranslateButtonVisible
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

isVolumeButtonVisible

Returns the current visibility state of the specified controller bar button.

```
- (BOOL)isVolumeButtonVisible
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

movie

```
- (QTMovie *)movie
```

Discussion
Returns the QTMovie object associated with the QTMovieView.

Availability
Available in Mac OS X v10.3 and later.

Related Sample Code
QTKitTimeCode

Declared In
`QTMovieView.h`

movieBounds

```
- (NSRect)movieBounds
```


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Discussion
Returns the rectangle currently occupied by the movie in a QTMovieView. This rectangle does not include the area occupied by the movie controller bar (if it's visible).

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

movieControllerBounds

```
- (NSRect)movieControllerBounds
```

Discussion
Returns the rectangle currently occupied by the movie controller bar (if it's visible) in a QTMovieView.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

paste:

```
- (IBAction)paste:(id)sender
```

Discussion
This action method inserts the contents of the clipboard (if it contains a movie clip) into the movie at the current play position. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

pause:

```
- (IBAction)pause:(id)sender
```

Discussion
This action method pauses the movie playback. This method does nothing if the movie is already paused.

Availability
Available in Mac OS X v10.3 and later.

Related Sample Code
MyMovieFilter

Declared In
`QTMovieView.h`

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play:

```
- (IBAction)play:(id)sender
```

Discussion
This action method starts the movie playing at its current location. This method does nothing if the movie is already playing.

Availability
Available in Mac OS X v10.3 and later.

Related Sample Code
MyMovieFilter

Declared In
`QTMovieView.h`

preservesAspectRatio

```
- (BOOL)preservesAspectRatio
```

Discussion
Returns `YES` if the QTMovieView object maintains the aspect ratio of the movie when drawing it in the view. The remainder is filled with `fillColor`.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

replace:

```
- (IBAction)replace:(id)sender
```

Discussion
This action method replaces the current movie selection with the contents of the clipboard. If there is no selection, the contents of the clipboard replace the entire movie. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

selectAll:

```
- (IBAction)selectAll:(id)sender
```

Discussion
This action method selects the entire movie.

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Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

selectNone:

```
- (IBAction)selectNone:(id)sender
```

Discussion
This action method selects nothing. Note that it does not change the movie time.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setBackButtonVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setBackButtonVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

setControllerVisible:

```
- (void)setControllerVisible:(BOOL)controllerVisible
```

Discussion
Sets the visibility state of the movie controller bar in a QTMovieView to *controllerVisible*.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setCustomButtonVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setCustomButtonVisible:(BOOL)state
```


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Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

setEditable:

```
- (void)setEditable:(BOOL)editable
```

Discussion
Sets the edit state of a QTMovieView to *`editable`*. The default state is `NO`.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setFillColor:

```
- (void)setFillColor:(NSColor *)fillColor
```

Discussion
Sets the fill color of a QTMovieView to *`fillColor`*. Note that this may cause a redraw.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setHotSpotButtonVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setHotSpotButtonVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

setMovie:

```
- (void)setMovie:(QTMovie *)movie
```


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Discussion
Sets the QTMovie object in a QTMovieView to *movie*. The currently set QuickTime movie is disposed of using `DisposeMovie`, unless the QTMovie was created with a call to `initWithQuickTimeMovie` and the `disposeWhenDone` flag was `NO`.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setPreservesAspectRatio:

```
- (void)setPreservesAspectRatio:(BOOL)preservesAspectRatio
```

Discussion
Sets the aspect ratio state of a QTMovieView to *preservesAspectRatio*. If *preservesAspectRatio* is `YES`, the longer side of the movie rectangle is scaled to exactly fit into the view's frame and the other side is centered in the view frame; the remaining area is filled with the view's fill color. Note that the movie view may be redrawn, but not resized.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setShowsResizeIndicator:

```
- (void)setShowsResizeIndicator:(BOOL)show
```

Discussion
Shows or hides the movie controller grow box.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

setStepButtonsVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setStepButtonsVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
`QTMovieView.h`

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setTranslateButtonVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setTranslateButtonVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
QTMovieView.h

setVolumeButtonVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setVolumeButtonVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
QTMovieView.h

setZoomButtonsVisible:

Sets the specified controller bar button to be visible or invisible, according to the state parameter.

```
- (void)setZoomButtonsVisible:(BOOL)state
```

Availability
Available in Mac OS X v10.5 and later.

Declared In
QTMovieView.h

stepBackward:

```
- (IBAction)stepBackward:(id)sender
```

Discussion
This action method steps the movie backward one frame.

Availability
Available in Mac OS X v10.3 and later.

Declared In
QTMovieView.h

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stepForward:

```
- (IBAction)stepForward:(id)sender
```

Discussion
This action method steps the movie forward one frame.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

trim:

```
- (IBAction)trim:(id)sender
```

Discussion
This action method trims the movie to the current movie selection. If there is no selection, the current frame is retained and the remainder of the movie is deleted. This action is undoable. If the movie is not editable, this method raises an exception.

Availability
Available in Mac OS X v10.3 and later.

Declared In
`QTMovieView.h`

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Document Revision History

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

Date	Notes
2007-05-01	Updated to include new methods available in Mac OS X v10.5.

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