IKPictureTaker Class Reference

Graphics & Imaging > Quartz

2007-10-31

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IKPictureTaker Class Reference

Inherits from	NSPanel : NSWindow : NSResponder : NSObject
Conforms to	NSUserInterfaceValidations (NSWindow) NSAnimatablePropertyContainer (NSWindow) NSCoding (NSResponder) NSObject (NSObject)
Framework	System/Library/Frameworks/Quartz.framework/ImageKit.framework
Availability	Available in Mac OS X v10.5 and later.
Declared in	IKPictureTaker.h

Overview

The `IKPictureTaker` class represents a panel that allows users to choose images by browsing the file system. The picture taker panel provides an Open Recent menu, supports image cropping, and supports taking snapshots from an iSight or other digital camera.

Tasks

Getting and Setting Images

`- setInputImage:` (page 9)
Set the image input for the picture taker.

`- inputImage` (page 8)
Returns the input image associated with the picture taker.

`- outputImage` (page 8)
Returns the edited image.

Managing the Picture Taker

`+ pictureTaker` (page 6)
Returns a shared `IKPictureTaker` instance, creating it if necessary.

`- beginPictureTakerSheetForWindow:withDelegate:didEndSelector:contextInfo:` (page 6)
Opens a picture taker as a sheet whose parent is the specified window.

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- `beginPictureTakerWithDelegate:didEndSelector:contextInfo:` (page 7)
  Opens a picture taker pane.
- `popUpRecentsMenuForView:withDelegate:didEndSelector:contextInfo:` (page 9)
  Displays the Open Recent popup menu associated with the picture taker.
- `runModal` (page 9)
  Opens a modal picture taker dialog.

Getting and Setting Mirroring

- `setMirroring:` (page 10)
  Controls whether the receiver enables video mirroring during snapshots.
- `mirroring` (page 8)
  Returns whether video mirroring is enabled during snapshots.

Class Methods

pictureTaker

Returns a shared `IKPictureTaker` instance, creating it if necessary.

```
+ (IKPictureTaker *) pictureTaker;
```

Return Value
An `IKPictureTaker` object.

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

Declared In
`IKPictureTaker.h`

Instance Methods

beginPictureTakerSheetForWindow:withDelegate:didEndSelector:contextInfo:

Opens a picture taker as a sheet whose parent is the specified window.

```
- (void) beginPictureTakerSheetForWindow:(NSWindow *)aWindow withDelegate:(id)
    delegate didEndSelector:(SEL) didEndSelector contextInfo:(void *) contextInfo;
```

Parameters
aWindow
The parent window of the picture taker sheet.

delegate
The object that will invoke the selector `didEndSelector` when the picture taker session terminates.

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didEndSelector
The selector to invoke when the picture taker session terminates.

contextInfo
Any data that must be passed as an argument to the delegate through `didEndSelector` after the picture taker session terminates.

Discussion
The `didEndSelector` method should have the following signature:

```
- (void)pictureTakerDidEnd:(IKPictureTaker *)sheet returnCode:(NSInteger)returnCode
contextInfo:(void *)contextInfo;
```

The `returnCode` value is set to `NSOKButton` if the user validates, or to `NSCancelButton` if the user cancels.

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

See Also
`- beginPictureTakerWithDelegate:didEndSelector:contextInfo:` (page 7)

Declared In
`IKPictureTaker.h`

beginPictureTakerWithDelegate:didEndSelector:contextInfo:

Opens a picture taker pane.

```
- (void) beginPictureTakerWithDelegate:(id) delegate didEndSelector:(SEL)
    didEndSelector contextInfo:(void *) contextInfo;
```

Parameters
delegate
The object that will invoke the selector `didEndSelector` when the picture taker session terminates.

didEndSelector
The selector to invoke when the picture taker session terminates.

contextInfo
Any data that must be passed as an argument to the delegate through `didEndSelector` after the picture taker session terminates.

Discussion
The `didEndSelector` method should have the following signature:

```
- (void)pictureTakerDidEnd:(IKPictureTaker *)sheet returnCode:(NSInteger)returnCode
contextInfo:(void *)contextInfo;
```

The `returnCode` value is set to `NSOKButton` if the user validates, or to `NSCancelButton` if the user cancels.

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

See Also
`- beginPictureTakerSheetForWindow:withDelegate:didEndSelector:contextInfo:` (page 6)

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Declared In
IKPictureTaker.h

inputImage

Returns the input image associated with the picture taker.

```
- (NSImage*) inputImage;
```

Return Value
The input image.

Discussion
The input image is never modified by the picture taker.

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

See Also
- setInputImage: (page 9)

Declared In
IKPictureTaker.h

mirroring

Returns whether video mirroring is enabled during snapshots.

```
- (BOOL) mirroring;
```

Return Value
Returns YES if video mirroring is enabled, NO otherwise.

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

Declared In
IKPictureTaker.h

outputImage

Returns the edited image.

```
- (NSImage*) outputImage;
```

Return Value
The edited image.

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

Declared In
IKPictureTaker.h

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popUpRecentsMenuForView:withDelegate:didEndSelector:contextInfo:

Displays the Open Recent popup menu associated with the picture taker.

```
- (void) popUpRecentsMenuForView:(NSView *) aView withDelegate:(id) delegate
    didEndSelector:(SEL) didEndSelector contextInfo:(void *) contextInfo;
```

Parameters

delegate

The object that will invoke the selector `didEndSelector` when the picture taker session terminates.

didEndSelector

The selector to invoke when the picture taker session terminates.

contextInfo

Any data that must be passed as an argument to the delegate through `didEndSelector` after the picture taker session terminates.

Discussion
The `didEndSelector` method should have the following signature:

```
- (void)pictureTakerDidEnd:(IKPictureTaker *)sheet returnCode:(NSInteger)returnCode
contextInfo:(void *)contextInfo;
```

The `returnCode` value is set to `NSOKButton` if the user validates, or to `NSCancelButton` if the user cancels.

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

Declared In
`IKPictureTaker.h`

runModal

Opens a modal picture taker dialog.

```
- (NSInteger) runModal;
```

Return Value
Returns `NSOKButton` if the user edits or chooses an image; `NSCancelButton` if the user cancels or does not change the default image.

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

Declared In
`IKPictureTaker.h`

setInputImage:

Set the image input for the picture taker.

```
- (void) setInputImage:(NSImage *) image;
```


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Parameters

image

An `NSImage` object.

Discussion

The input image is never modified by the picture taker.

Availability

Available in Mac OS X v10.5 and later.

See Also

`- inputImage` (page 8)

Declared In

`IKPictureTaker.h`

setMirroring:

Controls whether the receiver enables video mirroring during snapshots.

```
- (void) setMirroring:(BOOL)b;
```

Parameters

b

The default setting is `YES`.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`IKPictureTaker.h`

Constants

Picture Taker Keys

Keys for customizing the picture taker appearance and behavior.

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```
NSString *const IKPictureTakerAllowsVideoCaptureKey;
NSString *const IKPictureTakerAllowsFileChoosingKey;
NSString *const IKPictureTakerShowRecentPictureKey;
NSString *const IKPictureTakerUpdateRecentPictureKey;
NSString *const IKPictureTakerAllowsEditingKey;
NSString *const IKPictureTakerShowEffectsKey;
NSString *const IKPictureTakerInformationalTextKey;
NSString *const IKPictureTakerImageTransformsKey;
NSString *const IKPictureTakerOutputImageMaxSizeKey;
NSString *const IKPictureTakerCropAreaSizeKey;
NSString *const IKPictureTakerShowAddressBookPictureKey;
NSString *const IKPictureTakerShowEmptyPictureKey;
```

Constants

`IKPictureTakerAllowsVideoCaptureKey`

A key for allowing video capture. The associated value is an `NSNumber` value (`BOOL`) whose default value is `YES`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerAllowsFileChoosingKey`

A key for allowing the user to choose a file. The associated value is an `NSNumber` object that contains a `BOOL` value whose default value is `YES`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerUpdateRecentPictureKey`

A key for allowing a recent picture to be updated. The associated value is an `NSNumber` object that contains a `BOOL` value whose default value is `YES`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerAllowsEditingKey`

A key for allowing image editing. The associated value is an `NSNumber` object that contains a `BOOL` value whose default value is `YES`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerShowEffectsKey`

A key for showing effects. The associated value is an `NSNumber` object that contains a `BOOL` value whose default value is `NO`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerInformationalTextKey`

A key for informational text. The associated value is an `NSString` or `NSAttributedString` object whose default value is `"Drag Image Here"`.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

`IKPictureTakerImageTransformsKey`

A n image transformation key. The associated value is an `NSDictionary` object that can be serialized.

Available in Mac OS X v10.5 and later.

Declared in `IKPictureTaker.h`.

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`IKPictureTakerOutputImageMaxSizeKey`
: A key for the maximum size of the output image. The associated value is an `NSValue` object (`NSSize`).

  Available in Mac OS X v10.5 and later.

  Declared in `IKPictureTaker.h`.

`IKPictureTakerCropAreaSizeKey`
: A key for the cropping area size. The associated value is an `NSValue` object (`NSSize`).

  Available in Mac OS X v10.5 and later.

  Declared in `IKPictureTaker.h`.

`IKPictureTakerShowAddressBookPictureKey`
: A key for showing the address book picture. The associated value is a Boolean value packages as an `NSNumber` object. The default value is `NO`. If set to YES, the picture taker automatically adds the address book image for the Me user at the end of the Recent Pictures pop-up menu.

  Available in Mac OS X v10.5 and later.

  Declared in `IKPictureTaker.h`.

`IKPictureTakerShowEmptyPictureKey`
: A key for showing an empty picture. The associated value is an `NSImage` object. The default value is `nil`. If set to an image, the picture taker automatically shows an image at the end of the Recent Pictures pop-up menu. that means "no picture."

  Available in Mac OS X v10.5 and later.

  Declared in `IKPictureTaker.h`.

Discussion
You can set picture taker options using `setValue:forKey` (`NSKeyValueCoding`).

Declared In
`IKPictureTaker.h`

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Document Revision History

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

Date	Notes
2007-10-31	New document that descibes the class that provides a panel for choosing images.

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Document Revision History

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