AVCaptureFileOutput Class Reference

Audio & Video

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AVCaptureFileOutput Class Reference

Inherits from	AVCaptureOutput : NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/AVFoundation.framework
Availability	Available in iOS 4.0 and later.
Declared in	AVCaptureOutput.h

Overview

`AVCaptureFileOutput` is an abstract sub-class of `AVCaptureOutput` that describes a file output destination to an `AVCaptureSession`. You use an instance of its concrete subclass, `AVCaptureMovieFileOutput`, to save capture output to a QuickTime movie file.

Tasks

Managing Recording

`- startRecordingToOutputFileURL:recordingDelegate:` (page 8)
Starts recording to a given URL.

`- stopRecording` (page 8)
Stops recording.

`recording` (page 8) *property*
Indicates whether recording is in progress.

Configuration

`maxRecordedDuration` (page 6) *property*
The longest duration allowed for the recording.

`maxRecordedFileSize` (page 6) *property*
The maximum file size allowed for the recording.

`minFreeDiskSpaceLimit` (page 7) *property*
The minimum available free disk space that must be available for recording to continue.

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Information About Output

`outputFileURL` (page 7) *property*
The URL to which output is directed. (read-only)

`recordedDuration` (page 7) *property*
The total duration recorded to the current output file. (read-only)

`recordedFileSize` (page 7) *property*
The total file size recorded to the current output file. (read-only)

Properties

For more about Objective-C properties, see "Properties" in *The Objective-C Programming Language*.

maxRecordedDuration

The longest duration allowed for the recording.

```
@property(nonatomic) CMTime maxRecordedDuration
```

Discussion
If the limit is reached, `outputFileURL` (page 7) is set to `nil`, and the `captureOutput:didFinishRecordingToOutputFileAtURL:fromConnections:error:` delegate method is invoked with an appropriate error.

Availability
Available in iOS 4.0 and later.

Declared In
`AVCaptureOutput.h`

maxRecordedFileSize

The maximum file size allowed for the recording.

```
@property(nonatomic) int64_t maxRecordedFileSize
```

Discussion
If the limit is reached, `outputFileURL` (page 7) is set to `nil`, and the `captureOutput:didFinishRecordingToOutputFileAtURL:fromConnections:error:` delegate method is invoked with an appropriate error.

Availability
Available in iOS 4.0 and later.

Declared In
`AVCaptureOutput.h`

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minFreeDiskSpaceLimit

The minimum available free disk space that must be available for recording to continue.

```
@property(nonatomic) int64_t minFreeDiskSpaceLimit
```

Discussion
If the limit is reached, `outputFileURL` (page 7) is set to `nil`, and the `captureOutput:didFinishRecordingToOutputFileAtURL:fromConnections:error:` delegate method is invoked with an appropriate error.

Availability
Available in iOS 4.0 and later.

Declared In
`AVCaptureOutput.h`

outputFileURL

The URL to which output is directed. (read-only)

```
@property(nonatomic, readonly) NSURL *outputFileURL
```

Availability
Available in iOS 4.0 and later.

Declared In
`AVCaptureOutput.h`

recordedDuration

The total duration recorded to the current output file. (read-only)

```
@property(nonatomic, readonly) CMTime recordedDuration
```

Availability
Available in iOS 4.0 and later.

Declared In
`AVCaptureOutput.h`

recordedFileSize

The total file size recorded to the current output file. (read-only)

```
@property(nonatomic, readonly) int64_t recordedFileSize
```

Discussion

Availability
Available in iOS 4.0 and later.

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Declared In
AVCaptureOutput.h

recording

Indicates whether recording is in progress.

```
@property(nonatomic, readonly, getter=isRecording) BOOL recording;
```

Availability
Available in iOS 4.0 and later.

Declared In
AVCaptureOutput.h

Instance Methods

startRecordingToOutputFileURL:recordingDelegate:

Starts recording to a given URL.

```
- (void)startRecordingToOutputFileURL:(NSURL *)outputFileURL recordingDelegate:(id
    < AVCaptureFileOutputRecordingDelegate >)delegate
```

Parameters

outputFileURL
The URL to which output is directed.

delegate
A object to serve as delegate for the recording session.

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
AVCaptureOutput.h

stopRecording

Stops recording.

```
- (void)stopRecording
```

Availability
Available in iOS 4.0 and later.

Declared In
AVCaptureOutput.h

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Document Revision History

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

Date	Notes
2010-04-13	First version of a document that describes an abstract sub-class of AVCaptureOutput that describes a file output destination to an AVCaptureSession.

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Document Revision History

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