

[AVFoundation](#) / AVCaptureFileOutput

Class

AVCaptureFileOutput

The abstract superclass for capture outputs that can record captured data to a file.

iOS 4.0+ | iPadOS 4.0+ | Mac Catalyst 14.0+ | macOS 10.7+ | tvOS 17.0+

```
class AVCaptureFileOutput
```

Topics

Setting file output properties

`var delegate: (any AVCaptureFileOutputDelegate)?`

The delegate object for the capture file output.

`var maxRecordedDuration: CMTime`

The longest duration allowed for the recording.

`var maxRecordedFileSize: Int64`

The maximum size, in bytes, of the data that should be recorded by the receiver.

`var minFreeDiskSpaceLimit: Int64`

The minimum amount of free space, in bytes, required for recording to continue on a given volume.

`var outputFileURL: URL?`

The URL to which output is directed.

`var recordedDuration: CMTime`

Indicates the duration of the media recorded to the current output file.

`var recordedFileSize: Int64`

Indicates the size, in bytes, of the data recorded to the current output file.

`var isRecording: Bool`

Indicates whether recording is in progress.

`var isRecordingPaused: Bool`

Indicates whether recording to the current output file is paused.

Managing recording

`func startRecording(to: URL, recordingDelegate: any AVCaptureFileOutputRecordingDelegate)`

Starts recording media to the specified output URL.

`func stopRecording()`

Tells the receiver to stop recording to the current file.

`func pauseRecording()`

Pauses recording to the current output file.

`func resumeRecording()`

Resumes recording to the current output file after it was previously paused using [pauseRecording\(\)](#).

Relationships

Inherits From

AVCaptureOutput

Inherited By

AVCaptureAudioFileOutput, AVCaptureMovieFileOutput

Conforms To

CVarArg

CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSObjectProtocol

See Also

File capture

 Recording movies in alternative formats

Change the default format for capturing movie files.

`class` AVCaptureMovieFileOutput

A capture output that records video and audio to a QuickTime movie file.

`class` AVCaptureAudioFileOutput

A capture output that records audio and saves the recorded audio to a file.

`protocol` AVCaptureFileOutputDelegate

Methods for monitoring or controlling the output of a media file capture.

`protocol` AVCaptureFileOutputRecordingDelegate

Methods for responding to events that occur while recording captured media to a file.