

[AVFoundation](#) / Photo capture

API Collection

Photo capture

Capture high-quality still images, Live Photos, and supporting photo data.

Topics

Photo capture

{ } Capturing consistent color images

Add the power of a photography studio and lighting rig to your app with the new Constant Color API.

:≡ Capturing still and Live Photos

Configure and capture single or multiple still images, Live Photos, and other forms of photography.

📄 Capturing photos in RAW and Apple ProRAW formats

Support professional photography workflows by enabling minimally processed image capture in your camera app.

📄 Supporting Continuity Camera in Your Mac App

Incorporate scanned documents and pictures from a user's iPhone, iPad, or iPod touch into your Mac app using Continuity Camera.

class AVCapturePhoto

A container for image data from a photo capture output.

class AVCaptureDeferredPhotoProxy

A lightly-processed photo with data that the system may use to process and fetch a higher-resolution asset at a later time.

```
class AVCapturePhotoOutput
```

A capture output for still image, Live Photos, and other photography workflows.

```
protocol AVCapturePhotoCaptureDelegate
```

Methods for monitoring progress and receiving results from a photo capture output.

```
class AVCapturePhotoOutputReadinessCoordinator
```

An object that monitors changes to a photo output's capture readiness.

```
protocol AVCapturePhotoOutputReadinessCoordinatorDelegate
```

A delegate protocol to receive updates about a photo output's capture readiness.

```
class AVCaptureStillImageOutput
```

A capture output for capturing still photos.

Deprecated

Photo settings

```
class AVCapturePhotoSettings
```

A specification of the features and settings to use for a single photo capture request.

```
class AVCapturePhotoBracketSettings
```

A specification of the features and settings to use for a photo capture request that captures multiple images with varied settings.

```
class AVCaptureResolvedPhotoSettings
```

A description of the features and settings in use for an in-progress or complete photo capture request.

Matte data

```
class AVPortraitEffectsMatte
```

An auxiliary image used to separate foreground from background with high resolution.

```
class AVSemanticSegmentationMatte
```

An object that wraps a matting image for a particular semantic segmentation.

See Also

Capture

☰ Capture setup

Configure built-in cameras and microphones, and external capture devices, for media capture.

☰ Audio and video capture

Capture audio and video directly to media files, or capture streams of media for direct access to media sample buffers.

☰ Additional data capture

Capture additional data including depth and metadata, and synchronize capture from multiple outputs.