

[AVFoundation](#) / AVAssetReaderVideoCompositionOutput

## Class

# AVAssetReaderVideoCompositionOutput

An object that reads composited video frames from one or more tracks of an asset.

iOS 4.1+ | iPadOS 4.1+ | Mac Catalyst 13.1+ | macOS 10.7+ | tvOS 9.0+ | visionOS 1.0+

```
class AVAssetReaderVideoCompositionOutput
```

## Topics

### Creating a video composition output

```
init(videoTracks: [AVAssetTrack], videoSettings: [String : Any]?)
```

Creates an object that reads composited video frames from the specified video tracks.

### Configuring video settings

```
var videoComposition: AVVideoComposition?
```

The video composition to use for the output.

```
var customVideoCompositor: (any AVVideoCompositing)?
```

A custom video compositor for the output.

### Inspecting an output

```
var videoTracks: [AVAssetTrack]
```

The tracks from which the output reads the composited video.

```
var videoSettings: [String : Any]?
```

The video settings that the output uses.

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## Relationships

### Inherits From

AVAssetReaderOutput

### Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

Sendable

SendableMetatype

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## See Also

### Media reading

`{}` Reading multiview 3D video files

Render single images for the left eye and right eye from a multiview High Efficiency Video Coding format file by reading individual video frames.

```
class AVAssetReader
```

An object that reads media data from an asset.

```
class AVAssetReaderOutput
```

An abstract class that defines the interface to read media samples from an asset reader.

```
class AVAssetReaderTrackOutput
```

An object that reads media data from a single track of an asset.

`class AVAssetReaderAudioMixOutput`

An object that reads audio samples that result from mixing audio from one or more tracks.

`class AVAssetReaderSampleReferenceOutput`

An object that reads sample references from an asset track.

`class AVAssetReaderOutputMetadataAdaptor`

An object that creates timed metadata group objects for an asset track.