AVKit / AVCaptureView

Class

AVCaptureView

A view that displays standard user interface controls for capturing media data.

macOS 10.10+

```
@MainActor
class AVCaptureView
```

Topics

Configuring the Capture Session

`var session: AVCaptureSession?`

    The view's associated capture session.

`func setSession(AVCaptureSession?, showVideoPreview: Bool, showAudioPreview: Bool)`

    Sets the view's capture session.

Customizing the View

`var controlsStyle: AVCaptureViewControlsStyle`

    The style of the capture controls presented by the view.

`enum AVCaptureViewControlsStyle`

    Constants that describe the capture view's supported controls styles.

`var videoGravity: AVLayerVideoGravity`

A string value that defines how the capture view displays video within its bounds.

Configuring the Delegate

`var delegate: (any AVCaptureViewDelegate)?`

    The capture view's delegate object.

`protocol AVCaptureViewDelegate`

    The protocol that defines the methods you can implement to respond to capture view events.

Recording Media

`var fileOutput: AVCaptureFileOutput?`

    The capture file output used to record media data.

Relationships

Inherits From

`NSView`

Conforms To

```
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSAccessibilityElementProtocol
NSAccessibilityProtocol
NSAnimatablePropertyContainer
NSAppearanceCustomization
NSCoding
NSDraggingDestination
NSObjectProtocol
NSStandardKeyBindingResponding
NSTouchBarProvider
NSUserActivityRestoring
```

NSUserInterfaceItemIdentification
Sendable
SendableMetatype

See Also

macOS playback and capture

📄 Implementing Trimming in a macOS Player

Provide a QuickTime media-trimming experience in your macOS app.

`class` AVPlayerView

A view that displays content from a player and presents a native user interface to control playback.