

[Video Toolbox](#) / `VTRAWProcessingSession`

Class

VTRAWProcessingSession

An object that processes frames in camera native formats such as RAW or Bayer.

macOS 15.0+

```
class VTRAWProcessingSession
```

Overview

A RAW processing session supports processing of frames that have been output from decoders in camera native formats, such as RAW or Bayer formats.

The session reference is a reference-counted CF object.

Topics

Configuring parameters

```
func parameters() -> any AsyncSequence<[VTRAWProcessingSession.Parameter], Never>
```

Returns an asynchronous sequence that provides updates to the processing Parameter array if the processing extension makes changes to the set of Parameters.

```
func updateParameter(values: [String : Any]) throws
```

Sets the value for one or more of the processing parameters.

```
var processingParameters: [VTRAWProcessingSession.Parameter]
```

An array of processing parameters available for this RAW processing session.

enum Parameter

A parameter expresses a control or a set of controls that influence frame processing.

Processing frames

```
func process(frame: CVPixelBuffer) async throws -> CVPixelBuffer
```

Processes an input pixel buffer.

Configuring the Metal device

```
var metalDevice: (any MTLDevice)?
```

The preferred device to use for any Metal-based processing performed by the RAW Processing Extension.

Initializers

```
init(referencing: VTRAWProcessingSession)
```

Type Aliases

```
typealias T
```

Relationships

Conforms To

Copyable

Equatable

Hashable

Sendable

SendableMetatype