

[Video Toolbox](#) / VTFrameProcessorParameters

Protocol

VTFrameProcessorParameters

The base protocol for input and output processing parameters for a frame processor implementation.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 15.4+ | tvOS 26.0+ | visionOS 26.0+

```
protocol VTFrameProcessorParameters : NSObjectProtocol
```

Overview

An instance of a class corresponding to this protocol is passed to [processWithParameters:error:](#) calls and for asynchronous versions of those calls, the same instance is returned in the completion.

Topics

Inspecting the parameters

```
var sourceFrame: VTFrameProcessorFrame
```

A processor frame that contains the current source frame to use for all processing features.

Required

Instance Properties

```
var destinationFrame: VTFrameProcessorFrame?
```

[VTFrameProcessorFrame](#) that contains the destination frame for processors which output a single processed frame.

```
var destinationFrames: [VTFrameProcessorFrame]?
```

Array of [VTFrameProcessorFrame](#) that contains the destination frames for processors which may output more than one processed frame.

Relationships

Inherits From

NSObjectProtocol

Conforming Types

VTFrameRateConversionParameters

VTLowLatencyFrameInterpolationParameters

VTLowLatencySuperResolutionScalerParameters

VTMotionBlurParameters

VTOpticalFlowParameters

VTSuperResolutionScalerParameters

VTTemporalNoiseFilterParameters

See Also

Frame processor

`{}` Enhancing your app with machine learning-based video effects

Add powerful effects to your videos using the VideoToolbox VTFrameProcessor API.

```
class VTFrameProcessor
```

A class that creates a new frame processor for the configured video effect.

```
class VTFrameProcessorFrame
```

An object that wraps video frames to send to the processor, as source, reference, or output frames.

`protocol VTFrameProcessorConfiguration`

A protocol that describes the configuration of a processor to use during a video processing session.