

[Video Toolbox](#) / [VTFrameProcessorFrame](#)

Class

# VTFrameProcessorFrame

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

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

```
class VTFrameProcessorFrame
```

## Overview

Instances retain the buffer backing them.

## Topics

### Create a frame object

```
init?(buffer: CVPixelBuffer, presentationTimeStamp: CMTime)
```

Creates a frame object with a pixel buffer and presentation time.

### Inspecting the frame

```
var buffer: CVPixelBuffer
```

The pixel buffer specified when the object was created.

```
var presentationTimeStamp: CMTime
```

The presentation timestamp specified when the object was created.

## Structures

```
struct ReadOnlyFrame
```

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## Relationships

### Inherits From

NSObject

### Conforms To

CVarArg  
CustomDebugStringConvertible  
CustomStringConvertible  
Equatable  
Hashable  
NSObjectProtocol

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## 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.

```
protocol VTFrameProcessorConfiguration
```

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

```
protocol VTFrameProcessorParameters
```

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