

[Video Toolbox](#) / `VTFrameRateConversionConfiguration`

Class

VTFrameRateConversionConfiguration

An object that enables the frame rate conversion on a frame processing session.

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

```
class VTFrameRateConversionConfiguration
```

Topics

Creating a frame rate conversion configuration

```
init?(frameWidth: Int, frameHeight: Int, usePrecomputedFlow: Bool,  
qualityPrioritization: VTFrameRateConversionConfiguration.Quality  
Prioritization, revision: VTFrameRateConversionConfiguration.Revision)
```

Creates a new frame rate conversion configuration with specified flow width and height.

Determining processor availability

```
class var processorSupported: Bool
```

A Boolean value that indicates whether the processor supported on the current configuration.

Deprecated

Inspecting the configuration

```
var frameWidth: Int
```

The width of a source frame in pixels.

```
var frameHeight: Int
```

The height of a source frame in pixels.

```
var usePrecomputedFlow: Bool
```

A Boolean value to indicates whether the optical flow will be provided by the user.

```
var sourcePixelBufferAttributes: [String : any Sendable]
```

A dictionary of pixel buffer attributes describing requirements for pixel buffers used as source frames and reference frames.

```
var destinationPixelBufferAttributes: [String : any Sendable]
```

A dictionary of pixel buffer attributes describing the requirements for pixel buffers used as destination frames.

```
var qualityPrioritization: VTFrameRateConversionConfiguration.Quality Prioritization
```

A value that specifies whether to prioritize quality or performance.

```
enum QualityPrioritization
```

Values that specify whether to prioritize quality or performance.

Inspecting revision information

```
var revision: VTFrameRateConversionConfiguration.Revision
```

The specific algorithm or configuration revision to use to perform the request.

```
class var defaultRevision: VTFrameRateConversionConfiguration.Revision
```

The default revision of a particular algorithm or configuration.

```
class var supportedRevisions: IndexSet
```

The collection of currently-supported algorithms or configuration revisions for the class of configurations.

```
enum Revision
```

The specific algorithm or configuration revision that is to be used to perform the request.

Instance Properties

```
var frameSupportedPixelFormats: [NSNumber] Deprecated
```

```
var supportedPixelFormats: [OSType]
```

Type Properties

class var `isSupported`: Bool

Reports whether the system supports this processor.

Relationships

Inherits From

NSObject

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

Sendable

SendableMetatype

VTFrameProcessorConfiguration

See Also

Frame rate conversion

class `VTFrameRateConversionParameters`

An object that contains the required input and output parameters to run a frame rate conversion processor on a frame.