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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 sourcePixelFormatAttributes: [String : any Sendable]`

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

`var destinationPixelFormatAttributes: [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 frameSupportedPixelFormatFormats: [NSNumber]`~~ Deprecated

`var supportedPixelFormatFormats: [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.