Class

VTMotionBlurConfiguration

A configuration object to enable motion blur on a frame processing session.

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

```
class VTMotionBlurConfiguration
```

Topics

Creating a motion blur configuration

init?(frameWidth: Int, frameHeight: Int, usePrecomputedFlow: Bool, qualityPrioritization: VTMotionBlurConfiguration.QualityPrioritization, revision: VTMotionBlurConfiguration.Revision)

Creates a new motion blur configuration with specified flow width and height.

Determining processor availability

~~class var processorSupported: Bool~~

A Boolean value that indicates whether the processor is supported.

`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 destinationPixelBufferAttributes: [String : any Sendable]`

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

`var sourcePixelBufferAttributes: [String : any Sendable]`

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

`var qualityPrioritization: VTMotionBlurConfiguration.Quality Prioritization`

A value that specifies whether to prioritize quality or performance.

`enum QualityPrioritization`

Values that specify whether to prioritize quality or performance.

`var usePrecomputedFlow: Bool`

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

Inspecting revision information

`var revision: VTMotionBlurConfiguration.Revision`

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

`class var defaultRevision: VTMotionBlurConfiguration.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

Motion blur

`class` `VTMotionBlurParameters`

This object contains both input and output parameters necessary to run the motion blur processor on a frame.