Class

VTOpticalFlowConfiguration

A configuration object that enables optical flow on a frame processing session.

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

```
class VTOpticalFlowConfiguration
```

Topics

Creating an optical flow configuration

init?(frameWidth: Int, frameHeight: Int, qualityPrioritization: VTOpticalFlowConfiguration.QualityPrioritization, revision: VTOpticalFlowConfiguration.Revision)

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 source frame in pixels.

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**: VTOpticalFlowConfiguration.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**: VTOpticalFlowConfiguration.Revision

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

class var **defaultRevision**: VTOpticalFlowConfiguration.Revision

The default revision of a particular algorithm or configuration.

class var **supportedRevisions**: IndexSet

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

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

Optical flow

class VTFrameProcessorOpticalFlow

    A class to wrap bidirectional optical flow to send to the processor.

class VTOpticalFlowParameters

    An object that describes frame-level optical flow parameters.