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Class

# VTOpticalFlowParameters

An object that describes frame-level optical flow parameters.

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

```
class VTOpticalFlowParameters
```

## Topics

### Creating a parameters object

```
init?(sourceFrame: VTFrameProcessorFrame, nextFrame: VTFrameProcessorFrame, submissionMode: VTOpticalFlowParameters.SubmissionMode, destinationOpticalFlow: VTFrameProcessorOpticalFlow)
```

### Inspecting the parameters

`var sourceFrame: VTFrameProcessorFrame`

The current source frame.

`var nextFrame: VTFrameProcessorFrame`

The next source frame in presentation time order.

`var destinationOpticalFlow: VTFrameProcessorOpticalFlow`

A user allocated mutable optical flow that will receive the results.

`var submissionMode: VTOpticalFlowParameters.SubmissionMode`

A value describing the processing request in a parameters submission object.

```
enum SubmissionMode
```

A value describing the processing request in a parameters submission object.

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# Relationships

## Inherits From

NSObject

## Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

VTFrameProcessorParameters

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## See Also

### Optical flow

```
class VTFrameProcessorOpticalFlow
```

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

```
class VTOpticalFlowConfiguration
```

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