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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.