

[Accelerate](#) / [StaticPixelFormat](#)

Protocol

StaticPixelFormat

A pixel format that's known at compile time.

iOS 16.0+ | iPadOS 16.0+ | Mac Catalyst | macOS 13.0+ | tvOS 16.0+ | visionOS | watchOS 9.0+

```
protocol StaticPixelFormat : SinglePlanePixelFormat
```

Topics

Type Properties

`static var bitCountPerPixel: Int`

The number of bits allocated for a single pixel.

Required

`static var channelCount: Int`

The number of channels in a pixel buffer.

Required

Relationships

Inherits From

`PixelFormat, SinglePlanePixelFormat`

Conforming Types

```
vImage.Interleaved16Fx2  
vImage.Interleaved16Fx4  
vImage.Interleaved16Ux2  
vImage.Interleaved16Ux4  
vImage.Interleaved8x2  
vImage.Interleaved8x3  
vImage.Interleaved8x4  
vImage.InterleavedFx2  
vImage.InterleavedFx3  
vImage.InterleavedFx4  
vImage.Planar16F  
vImage.Planar16U  
vImage.Planar8  
vImage.PlanarF
```

See Also

Protocols

```
protocol InitializableFromCGImage
```

A pixel format that supports initialization from a Core Graphics image.

```
protocol MultiplePlanePixelFormat
```

A pixel format that contains multiple homogeneous planes represented by multiple underlying vImage buffers.

```
protocol PixelFormat
```

A pixel buffer pixel format.

```
protocol SinglePlanePixelFormat
```

A pixel format that contains a single underlying vImage buffer.