Structure

vImageMDTableUsageHint

Constants that indicate the use for a multidimensional lookup table.

iOS | iPadOS | Mac Catalyst | macOS | tvOS | visionOS | watchOS

```
struct vImageMDTableUsageHint
```

Topics

Usage hint constants

var `kvImageMDTableHint_16Q12:` vImageMDTableUsageHint

A table for transforming 16Q12 data.

var `kvImageMDTableHint_Float:` vImageMDTableUsageHint

A table for transforming floating-point data.

Raw values

`init(UInt32)`

Creates a table usage hint with an unsigned-integer value.

`init(rawValue: UInt32)`

Creates a table usage hint with an unsigned-integer value.

var `rawValue: UInt32`

The raw value that represents the table usage hint.

Relationships

Conforms To

```
BitwiseCopyable
Equatable
Hashable
RawRepresentable
Sendable
```

See Also

Transforming with a multidimensional lookup table

📄 Applying color transforms to images with a multidimensional lookup table

Precompute translation values to optimize color space conversion and other pointwise operations.

{} Cropping to the subject in a chroma-keyed image

Convert a chroma-key color to alpha values and trim transparent pixels using Accelerate.

{} Applying transformations to selected colors in an image

Desaturate a range of colors in an image with a multidimensional lookup table.

```
func vImageMultidimensionalTable_Create(UnsafePointer<UInt16>, UInt32,
UInt32, UnsafePointer<UInt8>, vImageMDTableUsageHint, vImage_Flags,
UnsafeMutablePointer<vImage_Error>!) -> vImage_MultidimensionalTable!
```
Creates a multidimensional lookup table.

```
func vImageMultiDimensionalInterpolatedLookupTable_PlanarF(Unsafe
Pointer<vImage_Buffer>, UnsafePointer<vImage_Buffer>, UnsafeMutableRaw
Pointer!, vImage_MultidimensionalTable, vImage_InterpolationMethod, v
Image_Flags) -> vImage_Error
```
Uses a multidimensional lookup table to transform a 32-bit planar image.

func **vImageMultiDimensionalInterpolatedLookupTable_Planar16Q12**(Unsafe Pointer<vImage_Buffer>, UnsafePointer<vImage_Buffer>, UnsafeMutableRaw Pointer!, vImage_MultidimensionalTable, vImage_InterpolationMethod, v Image_Flags) -> vImage_Error

    Uses a multidimensional lookup table to transform a 16Q12 planar image.

func **vImageMultidimensionalTable_Retain**(vImage_MultidimensionalTable!) -> vImage_Error

    Retains a multidimensional table.

func **vImageMultidimensionalTable_Release**(vImage_MultidimensionalTable!) -> vImage_Error

    Releases a multidimensional table.

typealias **vImage_MultidimensionalTable**

    An opaque pointer that represents a multidimensional lookup table.

struct **vImage_InterpolationMethod**

    Constants that represent different interpolation methods.