

MBS REALbasic EyeOne Plugin Documentation

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0.1 Introduction

This is the PDF version of the documentation for the REALbasic Plug-in from Monkeybread Software Germany. Plugin part: MBS REALbasic EyeOne Plugin

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Chapter 2

Eye-One Color

2.1 class EyeOneMBS

class EyeOneMBS

class, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: A class which handles the EyeOneSDK from Realbasic.

Example:

```
dim d as integer
dim i1 as EyeOneMBS

i1=new EyeOneMBS
' ... other stuff
d=i1.SetOption("Reset", "All")
```

Notes:

Check the website for more details:
<http://www.i1color.com/>

This class just reproduces the functions from the C SDK so you may get the docs from this SDK for more

details.

You may need to do a Reset on the end of your application to avoid a crash on Mach-O Targets.

2.1.1 Methods

Available as Boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: True if the shared library was loaded.

Calibrate as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Calibrates the Eye-One hardware device.

Notes: Returns -1 in case the shared library was not loaded.

GetDensities(values as memoryblock, byref pxAutoDensityIndex as integer, axIndex as integer) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Get all possible densities (CMYK) of a previous triggered measurement.

Notes:

The memoryblock is filled with single values.

Returns -1 in case the shared library was not loaded.

GetDensity(byref yxDensity as single, axIndex as integer) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Get the density of a previous triggered measurement.

Notes: Returns -1 in case the shared library was not loaded.

GetNumberOfAvailableSamples as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Returns the number of available samples for the current measurement mode.

Notes: Returns -1 in case the shared library was not loaded.

GetOption(key as string) as string

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Returns information about the current state of the Eye-One hardware device and its measurement conditions.

Example:

```
dim e as EyeOneMBS
dim f as FolderItem

f=GetFolderItem("i1C.framework")
e=new EyeOneMBS
if e.LoadFrameworkFile(f) then
msgbox e.GetOption(EyeOneMBS.I1_ VERSION)
else
msgbox "Failed to load "+f.name
end if
```

Notes: Returns "" in case the shared library was not loaded.

GetSpectrum(values as memoryblock, axIndex as integer) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Get the spectrum of a previous triggered measurement.

Notes:

The memoryblock is filled with single values.
Returns -1 in case the shared library was not loaded.

Memoryblock must be at least big enough for 36 single values (144 bytes).

GetTriStimulus(values as memoryblock, axIndex as integer) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Get the tri-stimulus of a previous triggered measurement.

Notes:

The memoryblock is filled with single values.
Returns -1 in case the shared library was not loaded.

Memoryblock must be at least big enough for 3 single values (12 bytes).

IsConnected as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Tests if a hardware device is connected.

Notes: Returns -1 in case the shared library was not loaded.

KeyPressed as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Tests if the key on the Eye-One Pro hardware device has been pressed. You can use this method to wait for the user before scanning.

Notes: Returns -1 in case the shared library was not loaded.

LibraryLoadError as Integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: The platform dependent error code from the LoadLibrary function.

Notes: 0 if successfull.

LibraryLoadErrorMessage as String

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: An error message if available.

Notes:

The Mac OS error string from LoadCFMLibrary.
Empty if no error occurred.

LoadDLL(name as string) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, console safe, Mac OS X: Does nothing, Windows: Works, Linux x86: Does nothing.

Function: Loads the shared library.

Notes:

Pass the ASCII encoded path string.

e.g. name "eyeone" or "eyeone.dll" or a full path "C:\Eyeone\eyeone.dll".
 Returns true on success and false on failure.
 Deprecated in plugin version 10.4.

LoadFramework(name as string) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin
 version: 5.4, console safe, Mac OS X: Works, Windows: Does nothing, Linux x86: Does nothing.

Function: Loads the EyeOne framework.

Notes:

Pass the name of the framework.
 e.g. "i1C.framework"
 Deprecated in plugin version 10.4.

LoadFrameworkFile(folderitem as folderitem) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin
 version: 5.4, console safe, Mac OS X: Works, Windows: Does nothing, Linux x86: Does nothing.

Function: Loads the EyeOne framework.

Example:

```
dim f as FolderItem
dim s as EyeOneMBS

f=SpecialFolder.Desktop.Child("i1C.framework")
s=new EyeOneMBS

if s.LoadFrameworkFile(f) then
  MsgBox "OK"
end if
```

Notes:

Pass the folderitem of the framework.
 Deprecated in plugin version 10.4.

LoadInternalDLL(data as string) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, console safe, Mac OS X: Does nothing, Windows: Works, Linux x86: Does nothing.

Function: Loads the shared library from inside the project.

Notes:

Drop the DLL into your project and pass it as string.

Returns true on success and false on failure.

LoadLibrary(file as folderitem) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Loads the EyeOne shared library.

Notes: Loads a Windows DLL, a Linux shared library, a Mac OS X shared library or a Mac OS X framework from the given path.

See also:

- 2.1.1 LoadLibrary(path as string) as boolean 13

LoadLibrary(path as string) as boolean

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Loads the EyeOne shared library.

Notes: Loads a Windows DLL, a Linux shared library, a Mac OS X shared library or a Mac OS X framework from the given path.

See also:

- 2.1.1 LoadLibrary(file as folderitem) as boolean 13

RegisterDeviceMessageEvent

method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Registers a device message event handler callback function.

Notes: Only one class can have an activate device message event handler at a given time.

RegisterErrorEvent

method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Registers an error handler callback function.

Notes:

In case of an error, this handler is invoked before returning from a call to the Eye-One-SDK. Only one class can have an activate error event at a given time.

SetOption(key as string, value as string) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Used to set the desired device type, measurement mode and physical measurement conditions.

Notes: Returns -1 in case the shared library was not loaded.

SetSubstrate(values as memoryblock) as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Sets the substrate reference spectrum that is needed for density calculations.

Notes:

The memoryblock is filled with single values.
Returns -1 in case the shared library was not loaded.

TriggerMeasurement as integer

shared method from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: Triggers a measurement depending on the current measurement mode.

Notes:

Before a measurement can be triggered the device must be calibrated in the desired measurement mode. Returns -1 in case the shared library was not loaded.

2.1.2 Events

DeviceMessage(Message as integer, text as string)

event from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: A message was received from the device.

Error(context as string, errorcode as integer, text as string)

event from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 3.3, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Does nothing.

Function: The error callback.

2.1.3 Constants

COLOR_ SPACE_ CIELab="CIELab"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIELCh="CIELCh"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIELChuv="CIELChuv"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIELuv="CIELuv"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIE_{xy}Y="CIE_{xy}Y"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIEXYZ="CIEXYZ"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIE_ UV_ Y1960="CIE_{uv}Y1960"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ CIE_ UV_ Y1976="CIE_{uv}Y1976"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_ SPACE_ HunterLab="HunterLab"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_SPACE_KEY="ColorSpaceDescription.Type"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_SPACE_LAB_MG="LABmg"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_SPACE_LCH_MG="LCHmg"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_SPACE_RGB="RGB"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

COLOR_SPACE_RXRYRZ="RxRyRz"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_AUTO="Auto"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_BLACK="Black"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_CYAN="Cyan"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_KEY="Colorimetric.DensityFilterMode"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_MAGENTA="Magenta"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_MAX="Max"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_FILTER_MODE_YELLOW="Yellow"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_SIZE=4

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_ANSIA="ANSIA"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_ANSIE="ANSIE"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_ANSII="ANSII"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_ANSIT="ANSIT"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_DIN="DIN"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_DINNB="DINNB"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_KEY="Colorimetric.DensityStandard"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

DENSITY_STANDARD_SPI="SPI"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

eDeviceButtonPressed=0

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eDeviceDisconnected=1

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eDeviceNotCalibrated=3

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eDeviceNotConnected=2

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eDeviceNotReady=1

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eException=9

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eInvalidArgument=10

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eKeyNotPressed=4

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eNoDataAvailable=8

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eNoError=0

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eNoSubstrateWhite=5

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eStripRecognitionFailed=7

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eUnknownError=11

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eWrongDeviceType=12

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

eWrongMeasureMode=6

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class for error codes.

I1_ ALL="All"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ AUTO="Auto"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ AVAILABLE_MEASUREMENT_MODES="AvailableMeasurementModes"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ BLEAK="Bleak"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ BRIGHT="Bright"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ BUILD_ VERSION="BuildVersion"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 7.7, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used to get the version.

I1_ CALIBRATION_ COUNT="LastCalibrationCounter"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ CRT_ SCREEN="CRT"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ DEVICE_ TYPE="DeviceType"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ DISPLAY="EyeOneDisplay"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ EXTENDED_ERROR_INFORMATION="ExtendedErrorInformation"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ EYEOONE="EyeOne"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ INTEGRATION_TIME="IntegrationTime"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ ADAPTIVE_ MODE_ ENABLED="AdaptiveMode"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ BEEP_ ENABLED="Beep"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ CONNECTED="Connection"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ KEY_ PRESSED="IsKeyPressed"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ NETPROFILER_ ENABLED="NetProfiler"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ IS_ RECOGNITION_ ENABLED="Recognition"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ LAST_ AUTO_ DENSITY_ FILTER="LastAutoDensityFilter"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ LAST_ CALIBRATION_ TIME="LastCalibrationTime"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ LAST_ ERROR="LastError"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ LCD_SCREEN="LCD"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ MAJOR_VERSION="MajorVersion"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 7.7, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used to get the version.

I1_ MEASUREMENT_MODE="MeasurementMode"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ MINOR_VERSION="MinorVersion"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 7.7, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used to get the version.

I1_ NO="no"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_NO_FILTER="1"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_NUMBER_OF_AVAILABLE_SAMPLES="AvailableSamples"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_PATCH_INTENSITY="PatchIntensity"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_PHYSICAL_FILTER="PhysicalFilter"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ RESET="Reset"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ REVISION_ VERSION="RevisionVersion"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 7.7, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used to get the version.

I1_ SCANNING_ AMBIENT_ LIGHT="ScanningAmbientLight"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SCANNING_ REFLECTANCE="ScanningReflectance"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SCREEN_ TYPE="ScreenType"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SERIAL_ NUMBER="SerialNumber"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SINGLE_ AMBIENT_ LIGHT="SingleAmbientLight"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SINGLE_ EMISSION="SingleEmission"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ SINGLE_ REFLECTANCE="SingleReflectance"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ UNDEFINED_FILTER="0"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ UV_FILTER="2"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ VERSION="Version"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

I1_ YES="yes"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_A="A"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ B="B"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ C="C"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ D50="D50"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ D55="D55"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ D65="D65"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ D75="D75"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ EMISSION="Emission"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ F11="F11"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ F2="F2"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ F7="F7"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

ILLUMINATION_ KEY="Colorimetric.Illumination"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

OBSERVER_ KEY="Colorimetric.Observer"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

OBSERVER_ TEN_ DEGREE="TenDegree"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

OBSERVER_ TWO_ DEGREE="TwoDegree"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

SPECTRUM_ SIZE=36

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

TRISTIMULUS_SIZE=3

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

UNDEFINED="Undefined"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WAVE_LENGTH_380="380nm"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WAVE_LENGTH_730="730nm"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WHITE_ BASE_ ABSOLUTE="Absolute"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WHITE_ BASE_ AUTOMATIC="Automatic"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WHITE_ BASE_ KEY="Colorimetric.WhiteBase"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

WHITE_ BASE_ PAPER="Paper"

const from class EyeOneMBS, Eye-One Color, MBS REALbasic EyeOne Plugin (EyeOne), Plugin version: 5.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: One of the constants used in the EyeOneMBS class.

Chapter 3

List of all classes

- EyeOneMBS

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