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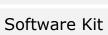WEB www.svs-vistek.com

SVCam GigE

SoftwareKit for Linux

Release Notes

Version: 2.4.7

Date: 2021-03

SVCam GigE

Content

Release Notes:

1. Version 2.4.7

Bugfix Release:
Bugfixed on camera get information functions to support strncpy for clang compiler
Minor internal bugfixed

2. Version 2.4.6 2020-07

Bugfix Release:
Improved packet resend mechanism
Minor bugfixes

3. Version 2.4.5 2020-05

Bugfix Release:
Cleanup unused resources in streaming channel

4. Version 2.4.4 2018-03

Bugfix Release:
Minor changes on heartbeat mechanism

5. Version 2.4.3 2017-09

Bugfix Release:
Bugfixed for Image_getImage12bitAs16bit()

6. Version 2.4.2 2017-09

Bugfix Release:
Bugfixed for Image_getImage12bitAs16bit()

7. Version 2.4.1 2017-03

Bugfix Release:
rewrite the "gec" example to fix the issue from version 2.3.1.

8. Version 2.4.0 2016-10

new feature: support Multicast
function added:
+Camera_setMulticastGroup()

breaking changes:
openCamera()/openCameraExt(), add one more parameter to support multicast mode

9. Version 2.3.1 2016-08

function added:

+ Camera_loadSequenceParameters();

Know Issue:

The "Gec"-Example could not be successfully compiled with GNU compiler (version from 5.x.x) , due to ABI incompatibility with the logging. But this issue has no impact on using the API function in the SDK.

10. Version 2.3.0 2015-06

Bugfixed for Camera_setAcquisitionControl()/Camera_setAcquisitionMode()

Bugfixed for discoverCameras()/discoverCamerasExt()

function added:

+ Camera_setFlippingMode()

+ Camera_getFlippingMode()

+ Camera_setShutterMode()

+ Camera_getShutterMode()

+ Camera_isLensAvailable()

+ Camera_getLensName()

+ Camera_setLensFocalLenght()

+ Camera_getLensFocalLenght()

+ Camera_getLensFocalLenghtMin()

+ Camera_getLensFocalLenghtMax()

+ Camera_setLensFocusUnit()

+ Camera_getLensFocusUnit()

+ Camera_setLensFocus()

+ Camera_getLensFocus()

+ Camera_getLensFocusMin()

+ Camera_getLensFocusMax()

+ Camera_setLensAperture()

+ Camera_getLensAperture()

+ Camera_getLensApertureMin()

+ Camera_getLensApertureMax()

11. Verion 2.2.1 2015-06

 function added:

+ Camera_setTapConfigurationEx()

+ Camera_getTapConfigurationEx()

+ function deprecated:

+ Camera_setTapConfiguration()compatible reason

+ Camera_getTapConfiguration()

12. Version 2.2.0/ 2014-02

function added:

+ Camera_getMaxIOMuxIN()

+ Camera_getMaxIOMuxOUT()

+ Camera_getIOInputStatus()

+ Camera_getIOOutputStatus()

+ Camera_setIOConfig()

+ Camera_getIOConfig()

+ Camera_setIOAssignmentExt()

Bug-fixed:

- Remove the member variable camera with the type Camera_handle in SVGigE_IMAGE structure

13. Version 2.1.1 /2014-01

function added:
+ Cleanup svgige headerfile
+ Bugfixed for getOffsetmax()

+ Bugfixed error on commode_update

14. Version 2.1.0 /2013-10

function added:
 + StreamingChannel_getTotalPacketResend()
 + StreamingChannel_getTotalPacketCount()
 + Image_getPacketCount()
 + Image_getPacketResend()

15. Version 2.0.0 /2013-10

New versioning scheme is introduced by Linux SDK.

The versioning follows the following scheme:

<Major>.<Minor>.<Sub-Minor>

An example would be "2.0.0."

The Major number is increased when there are significant changes in functionality, the Minor number is incremented when only minor features have been added and the Sub-Minor number is incremented when minor issues are fixed.

This version 2.0.0 is based on version 1.4.19.51-7.

function added:	
+ SVGigE_getVersionInfo()	SDK's version info, which is defined at compile time

16. Version 1.4.19.51-7 Beta /2013-07

Bugfixed	

17. Version 1.4.19.51-6 Beta /2013-07

Camera_closeCamera()	Bugfixed

18. Version 1.4.19.51-5 Beta /2013-04

function removed:	
- forceIP()	please use forceIP_MAC() instead

19. Version 1.4.19.51-4 Beta /2012-11

functions added:	
+ Camera_getTimestampTickFrequency()	
functions removed:	
- Camera_getFrameRateRange()	
- Camera_getExposureTimeRange()	
- Camera_getGainMaxExtended()	
- Camera_setPrescalerDevisor()	
- Camera_getPrescalerDevisor()	

- Camera_setStrobePolarityExtended()	
- Camera_getStrobePolarityExtended()	
- Camera_setStrobePositionExtended()	
- Camera_getStrobePositionExtended()	
- Camera_setStrobeDurationExtended()	
- Camera_getStrobeDurationExtended()	
- Camera_getMaxAreaOfInterest()	
- Camera_setGammaCorrection()	
- StreamingChannel_getBufferData()	
- Image_getImageGray()	

20. Version 1.4.19.51-3 Beta /2012-10

new functions:	
+ StreamingChannel_getPixelType()	
+ StreamingChannel_getBufferSize()	
+ StreamingChannel_getImagePitch()	
+ StreamingChannel_getImageSizeX()	
+ StreamingChannel_getImageSizeY()	
+ StreamingChannel_setStreamingPacketSize()	
+ StreamingChannel_getStreamingPacketSize()	
+ Image_getPixelType()	
+ Image_getImageSize()	
+ Image_getPitch()	
+ Image_getSizeX()	
+ Image_getSizeY()	
+ Image_getImageId()	
+ Image_getTimestamp()	
function removed:	
- Image_getBufferIndex()	

21. Version 1.4.19.51-2 Beta /2012-10

new functions:	
+ Camera_getPixelClock()	
+ Camera_getSensorTemperature()	
+ Camera_getFrameRateMin()	
+ Camera_getFrameRateRange()	
+ Camera_getFrameRateIncrement()	
+ Camera_getExposureTimeMin()	
+ Camera_getExposureTimeRange()	
+ Camera_getExposureTimeIncrement()	
+ Camera_getExposureDelayMax()	
+ Camera_getExposureDelayIncrement()	

+ Camera_getGainMaxExtended()	
+ Camera_getGainIncrement()	
+ Camera_getOffsetMax()	
+ Camera_setAutoGainDynamics()	
+ Camera_getAutoGainDynamics()	
+ Camera_setTriggerPolarity()	
+ Camera_getTriggerPolarity()	
+ Camera_setTapConfiguration()	
+ Camera_getTapConfiguration()	
+ Camera_setAutoTapBalanceMode()	
+ Camera_getAutoTapBalanceMode()	
+ Camera_setTapBalance()	
+ Camera_getTapBalance()	
+ Camera_getTapGain()	
+ Camera_getBufferSize()	
+ Camera_getPitch()	
+ Camera_getMaxAreaOfInterest()	
+ Camera_getAreaOfInterestRange()	
+ Camera_getAreaOfInterestIncrement()	
+ Camera_resetTimestampCounter()	
+ Camera_getTimestampCounter()	
+ Camera_getWhiteBalanceMax()	
+ Camera_getMaxIOMuxIN()	
+ Camera_getMaxIOMuxOUT()	
+ Camera_setIOAssignment()	
+ Camera_getIOAssignment()	
+ Camera_setIOMuxIN()	
+ Camera_getIOMuxIN()	
+ Camera_setIO()	
+ Camera_getIO()	
+ Camera_setAcqLEDOverride()	
+ Camera_getAcqLEDOverride()	
+ Camera_setLEDIntensity()	
+ Camera_getLEDIntensity()	
+ Camera_setUARTBuffer()	
+ Camera_getUARTBuffer()	
+ Camera_setUARTBaud()	
+ Camera_getUARTBaud()	
functions removed:	
- Camera_readXMLFile()	
- Camera_setLowpassFilter()	
- StreamingChannel_setSynchronous()	
- StreamingChannel_getSynchronous()	

22. Version 1.4.19.51-1 Beta /2012-10

+ Camera_getAreaOfInterestIncrement()	

23. Version 1.4.19.51 Beta /2012-09	
new functions:	
+ Camera_isCameraFeature()	
+ Camera_readEEPROM()	
+ Camera_writeEEPROM()	
+ getErrorMessage()	
+ Camera_setStrobePolarityExtended()	
+ Camera_getStrobePolarityExtended()	
+ Camera_setStrobePositionExtended()	
+ Camera_getStrobePositionExtended()	
+ Camera_setStrobeDurationExtended()	
+ Camera_getStrobeDurationExtended()	
+ Camera_setPrescalerDevisor()	
+ Camera_getPrescalerDevisor()	
+ Camera_setPivMode()	
+ Camera_getPivMode()	
+ Camera_setDebouncerDuration()	
+ Camera_getDebouncerDuration()	
+ Camera_setTapGain()	
+ Camera_restoreFactoryDefaults()	
24. Version 1.4.19.50 Beta /2012-08	
new streaming technology	
bugfix	