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- Release-History for the Chromasens camera API
  - CS API: Chromasens application programming interface
  - Last changes: May 13, 2019, Sczech, Bellmann
- 

We welcome any suggestions, questions, bug reports:  
support@chromasens.de

Version 1.7.1

Fixed a problem when setting/getting white balancing parameters for allPIXA wave.  
-> Parameters were not set correctly -> fixed

Version 1.7.0

Fixed handling of reference calculation in C#  
Extended the get\_error\_text function to output also the API internal error description

!!! Attention:

In the CS\_CALCULATE\_REFERENCE\_STRUCT a parameter has changed from INT16 to CS\_REFERENCE\_VERSION

This CS\_REFERENCE\_VERSION is an enum which also was changed from CS\_REFERENCE\_TYPE in order to provide a better understanding of the parameters.

Also in the CS\_TRIGGER\_STRUCT the following elements were changed to UINT16:

UINT16 scan\_lines\_after\_stop;  
UINT16 max\_no\_of\_scan\_lines;  
UINT16 no\_of\_suppressed\_lines;

In order to provide the possibility to record larger images the img\_height Element in the CS\_IMAGE\_PARAMETER\_STRUCT was changed to UINT32:

Version 1.6.8 BETA Build 4

Added wave specific functions like XLC4 control  
Speed variable in operational values changed to float  
Fixed problems when sending .set files to the cameras which did not contain the full command set (Parameters present in the camera but not in the file will remain untouched)  
Fixed problems when the configuration files were placed into the DLLs directory.  
Fixed problem when connecting via RS232 to the camera: Errors occurred on certain interfaces (e.g. virtual COM-ports on framegrabbers)  
White calib values are saved by default when performing tap or white-balancing

Version 1.6.6 BETA

Fixed problem with setting IO configurations -> Master/slave settings were overwritten

C# wrapper: It is now possible to get the interface descriptions by calling:  
get\_interface\_description

Version 1.6.5 BETA

Added possibility to query the current master/slave operating mode

Version 1.6.4 BETA

Fixed problems when closing and reopening the CSAPI within the same thread/program  
Fixed problems with the autodetect function

Version 1.6.3 BETA

Fixed problems when getting var tags containing long value types via the get\_var\_tag function

Version 1.6.1 BETA

Added Auto-detect functions to retrieve the connected Chromasens cameras to the system

Version 1.6.0 BETA

Possibility added to store and retrieve user data to/from camera flash memory

Version 1.5.1 BETA

Fixed data types in C# interface for Image parameters

Version 1.5.0

Fixed problem where an error code was not given back after sending a faulty setting to the camera (e.g. wrong integration time)

Removed all message boxes from the API which indicated errors or status messages. Only the ones explicitly called are displayed now

Connection behaviour changed: the API will now try to connect to the camera with the requested baud rate first (Should save time)

It is now possible to put the configuration files into another directory. Simply initialize the API constructor with the directory path

-> InitCsCameraIf(char\* pConfigPath)

If no path is given, the API will still look in the underlying config directory for the files. No changes necessary from the user side

Fixed bug where a wrong error code got returned when the clallserial.dll was missing.

The CSAPI will now check the content of the download files in order to determine if this is a XML or a binary file format(send\_hsi\_file\_2\_camera).

Version 1.4.0

Added possibility to set the IO configuration

Serial number of the camera can now be read

Count and description of available interfaces can be retrieved by the API

Adapted CameraLink settings to the ALLPIXA pro

Fixed a bug in the interpolation mode of the flat field correction generation

2Do: C#-API is still based on 1.3.1

Version 1.3.1

Wrong definition of constants GREEN\_EVEN\_REAR and GREEN\_ODD\_REAR -> were swapped

Version 1.3.0

Parameter "first valid pixel" in the CS\_IMAGE\_PARAMETER\_STRUCT is obsolete and was removed

Added parameter master\_slave\_operation to CS\_TRIGGER\_STRUCT. This feature may be used to synchronize cameras.

Interface selection dialog changed (Options for GigE-camera is hidden now)

Version 1.2.0

Additional mode for white reference selection

Number of offset/shading references increased to 4

Fixed bug that occurred after sending a hsi-file to the camera

API did crash when doing a "new", "delete", "new" sequence. -> fixed

Version 1.1.2.0

Introduced new parameter for selection of CameraLink transmission speed

Version 1.0.3.0

Introduced parameter "scan direction" and "RGB line distance" into the API

Selection of the color conversion matrix added