APDCAM 1G Linux API   
Change Log  
Last modified on: 12.04.2017.

**2015.01.22.**

* Upgrading linux version to tha same version as windows version

**2015.01.23.**

* Upgrading linux version to tha same version as windows version

**2015.01.30**

* GeCCommands.h changed
  + typedef unsigned long changed to unsigned int

**2015.09.30**

* LowLevelFunctions.cpp changed
  + WritePDI was changed, added do while loop and modified expression.
    - Timeout was reduced to 50 ms
    - the function will tries to resend data 10 time if error occures
  + ReadPDI was also changed to behave the same
* UPDClient.cpp changed
  + „Unhandled event” printf line was commented out

**2015.11.02.**

* LowLevelFunctions.cpp
  + bug fixed when tried to read and write more than 1 byte to registers

**2015.11.18**

* APDCAM\_SWOptios was changed to APDCAM\_SWOption in APDLib.h and HighlevelFunction.cpp

**2016.02.03**

* **Merged with the actual Windows API**

**2016.02.26**

* APDCAM\_GetStatus always returned ADT\_OK
* standard output displays delted from LowLevelFunctions.cpp
* sampleDiv fixed, At some places it was multipled by 7 but when it was read it wasn't divided by 7.

**2016.03.05**

* Temporary fix of Continuity counter error issue

**2016.04.07**

* DataEvaluation class
  + ProcessFrame(\*pFrame, packetNo) function
    - Added else statement when calling FindPreamb
    - Added test for m\_StreamNo variable
  + Handler
    - m\_StreamNo was initialized to zero
  + Added stream data dump to file debug functionality

**2016.05.25**

* HighLevelFunctions class
  + Arm
    - Multiple bugs were found, mistiping of different stream settings, etc
* APDCAM\_Allocate primary buffer size parameter changed from default 10 to 100.
* TypeDefs.h
  + defined detectorReferenceTemp field for apdStr struct
* ADPCAM\_GetConfig
  + added detector reference temp reading
* InternalFunctions
  + Added Set/GetReferenceTemp function
* APDLib.h
  + Defined APDCAM\_SetDetectorReferenceTemp
  + Defined APDCAM\_GetDetectorReferenceTemp
* HighLevelFunctions.cpp
  + Implemented APDCAM\_SetDetectorReferenceTemp
  + Implemented APDCAM\_GetDetectorReferenceTemp
* Added 100 ms Sleep in Arm function when setting resolution(it did not set before)
* Added continuity counter error handling code from the windows project

**2017.04.12**

* Appliing changes made in Windows version from 2016.05.26
  + LowLevelFunction
    - Implemented WritePDISafe
    - Changed all WritePDI to WritePDISafe
  + Defined APDFactory structure in TypeDefs.h
  + APDCAM\_GetConfig is the same as in the Windows version
  + APDCAM\_GetFactoryConfig implemented
  + Implemented Set/Get APDCAM analog power
  + Reimplemented Set/GetTestMode in InternalFunctions
  + Implemented GetFactoryData in InternalFunctions
  + REimplemented Set/Get APDCAM HV
  + Reimplemented APDCAM\_Calibrate
  + **Version number is now v1.5.2**

**2017.06.02**

* Implementing Network speed checking function
  + Implemented APDCAM\_GetNetworkConfig in HighLevelFunctions class
  + Defined NetConfStr structure
  + Implemented GetNetworkConfiguration in InternalFunctions class
  + Corrected SENDACK struct naming in GECCommands.h
  + Implemented SendAck function in LowLevelFunctions class
    - The implementation seems rignt because depending on to the ackType the correct byte of data was received according to the GEC card documentation
  + Tested, it works
* **Version number is now v1.6**