INFINICAM SDK

Release Notes

Ver. 1.4.0.0 E

Photron

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Chapter 1. Release Summary

1.1. SDK Ver. 1.4.0.0 Release Notes

1.1.1. SDK Version

- SDK (PUCLIB.DLL) Ver. 1.4.0.0

1.1.2. Contents of the folder in SDK

- CamMonitor: Sample Software
- Doc: API Reference, Quick Manual, Release Notes
- Driver: Device drivers
- PUCLIB: SDK components for INFINICAM

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Chapter 2. New Functions and Bug Fix

2.1. SDK Ver. 1.4.0.0 New Functions

2.1.1. New Camera Support

No applicable

2.1.2. Additional Function

- Support for Windows 11

- Addition of the PUC_DecodeDCData function
  Added a function (PUC_DecodeDCData) to decode only the DC component of a compressed transfer image.

- Addition of the PUC_GetFramerateLimit function
  Added a function (PUC_GetFramerateLimit) to get the limit frame rate information.
  The following information is included in the limit frame rate information.
  - Minimum frame rate
  - Maximum frame rate

- Addition of the PUC_ResetDevice function
  Added a function (PUC_ResetDevice) to deal with the problem that the next image transfer will not succeed if PUCLIB is not terminated successfully.

- Addition of the PUC_ResetSequenceNo function
  Added a function (PUC_ResetSequenceNo) to reset the sequence number of transferred images has been added.
  This function is supported by devices with version 1.01 or later.

2.1.3. Modified Function

- Changed the unit for functions that specify time from clock units to 100nsec units
  For the following functions, the unit of argument has been changed from clock to 100nsec unit.
  - PUC_(G)SetSyncOutDelay
  - PUC_(G)SetSyncOutWidth
  - PUC_GetMinExposeTime
  - PUC_(G)SetExposeTime

- Specification change of PUC_GetMaxFramerate
  The following changes have been made.
  - Before change: Retrieve the maximum frame rate for the limit resolution.
  - After change : Retrieve the maximum frame rate for the current resolution.

- Addition of argument for PUC_(G)SetSyncInMode
  Added the polarity of the signal to the function argument.
  Specifying the polarity is not supported for devices prior to version 1.01.

- Changed CamMoniter and create_movie.py to not save the same frame
  Changed to not save duplicate images with the same sequence number when saving image.

- Changed the character encoding of PUCLIB.h to UTF-8
  The following changes have been made.
  - Before change: Shift-JIS
  - After change : UTF-8

2.2. SDK Ver. 1.4.0.0 Fixed Bugs

2.2.1. Fixed Bug

- Fixed a crash problem when some functions are executed without sleep.
  Fixed a crash when running PUC_BeginXferData and PUC_EndXferData without sleep.

- Fixed a crash problem when shifting to [FILE] tab during continuos transfer on CamMonitor.

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