

INFINICAM SDK

Release Notes

Ver. 1.6.2.0 E

Photron

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Chapter 1. Release Summary

1.1. SDK Ver. 1.6.2.0 Release Notes

1.1.1. SDK Version

- SDK (PUCLIB.DLL) Ver. 1.6.2.0

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. 1.6.2.0 New Functions

2.1.1. New Camera Support

N/A

2.1.2. Additional Function

N/A

2.1.3. Modified Function

N/A

2.2. SDK Ver. 1.6.2.0 Fixed Bugs

2.2.1. Fixed Bug

- Changed the specification where repeatedly calling the external sync setting API would decrease the exposure time each time. Modified it so that when the same parameters as the current settings are specified in the external sync settings, the process is not executed.
- Added the missing process to update the Resolution to the maximum setting when switching the Sync In setting to “External” sync mode.

2.3. CamMonitor Ver. 1.6.1.0 New Functions

2.3.1. New Camera Support

N/A

2.3.2. Additional Functions

- CamMonitor now automatically opens a connected camera upon startup.
* It does not automatically open if two or more cameras are connected.
- Added the ability to show/hide certain settings. These appear when the Advanced Settings checkbox is enabled.
- Added Memory record function to reduce dropped frames, in addition to the existing Storage record function.
 - Switch modes using radio button
 - Displays the recording time available for each mode
 - Memory record allows changing the record time
- Added a function in the FILE tab to convert compressed saved data (mdat) to another format and resave it.
 - Can convert to AVI / MP4 / BMP
 - Saves after trimming to the playback range specified in the playback control panel
- Added a function to insert interpolated frames for dropped frames when resaving compressed saved data (mdat).
 - Choose from: none, black image, pre-frame image
 - Applies only when re-saving via the FILE tab; not applied when saving compressed data captured in LIVE tab
- Added a function in the FILE tab to automatically load and open the last captured data.
- Added a function to restore the last frame rate, shutter speed, and resolution when launching CamMonitor.
- Changed to add timestamps to the names of data captured in the LIVE tab.

2.4. CamMonitor Ver. 1.6.2.0 New Functions

2.4.1. New Camera Support

N/A

2.4.2. Additional Functions

- Added the ability to rotate live images within CamMonitor. This change will not be reflected in compressed saved data, but will be applied when re-saving to AVI / MP4 / BMP formats.
- You can now select the startup menu from “Setting mode” or “Record Mode”. This can be changed via the “Setting” menu bar.
- Added a scroll bar to the settings panel in the LIVE tab. This addresses an issue where some settings items were hidden when the window size was small.

2.5. CamMonitor Ver. 1.6.2.0 Fixed Bugs

2.5.1. Fixed Bug

- Fixed an issue where CamMonitor might crash under the following conditions:
 - When exiting CamMonitor
 - After setting a lower resolution and then changing the shutter speed, causing the displayed resolution to increase
 - Performing actions that increase resolution, such as lowering the frame rate after a camera reset or CamMonitor startup
- Fixed an issue where specifying a frame rate below 1,000fps and then exiting CamMonitor would prevent CamMonitor from launching afterward.
- Fixed a display issue where the progress bar did not reach 100% during the save process when re-saving mdat data to video format, even though the save operation completed successfully.

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