

Photron FASTCAM Viewer

for High Speed Digital Imaging

Release Note
Ver. 4.0.1.0

Photron

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Chapter 1. Release Summary

1.1. PFV4 Release Note

1.1.1. PFV Version

- PFV Ver. 4.0.1.0
- SDK(PDCLIB.DLL) Ver. 3.1.0.0

1.1.2. Contents of the folder in DVD

- PFV Setup32: PFV setup for 32bit Windows
- PFV Setup64: PFV setup for 64bit Windows
- PFA: PFA (Photron FASTCAM Analysis) setup
- SDK: SDK components, documents, and samples
- LabVIEW and MATLAB: SDK for LabVIEW and MATLAB, documents, and samples
- Doc: Manuals of PFV, cameras, and others
- CheckerBoard: Image data of checkerboard for lens distortion correction
- ReleaseNotes: Release notes of PFV
- ReportSample: Sample data for Report output function
- Driver: Device drivers
- AdobeReader: Adobe Acrobat Reader DC 2018.011.20058

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Chapter2. New Function

2.1. PFV4.0.1 New Functions

2.1.1. New Camera Support

Support to FASTCAM Nova.

Support to FASTCAM MH6.

2.1.2. Additional Function

Adding the Cycle View Function.

Multiple cameras / files can be grouped and switched in one window.

Supported reading and writing of Initial file (inf file).

Files can be opened by drag & drop.

When FIT button is pressed, it keeps fitting even if changing the window size until releasing the FIT button.

Adding the Center fixed function of Cloth Cursor.

When using the Calibration function, support to the setting of arbitrary origin and direction.
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When using the Calibration function, adding the function to specify by distance per 1 pixel.
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Adding the Manual Tracking Function.

Adding the Report Output Function.

Info Save / Report Output functions supported other language selection.

Support to language selection (JP/EN) when saving information.
--

Support to reading and writing of Custom Info.
--

Adding the function to display all the connected cameras and start recording when the camera is in Ready state.

Adding frequency setting function of synchronization signal generator KEYSIGHT 33210A.
--

Adding "km/h" as speed unit.

Support to Skip save function in time units (msec).

Adding the file reading / writing function for lens calibration.
--

Trigger input from PFV is always specified in the order from the youngest IP address.

If Gigabit connection and USB connection are mixed, the USB is triggered in serial number order after gigabit.

Adding Factory default function.

In the batch converter function, support to multiple conversion of the same files.

Support to the function that the current frame moves according to the range specification frame when specifying the range with the playback bar.

Support to playback of PhotoCam Speeder's uncompressed AVI.

When setting the variable resolution, the recording speed is displayed in descending order.

When dummy camera is added, IP address is automatically incremented so that it does not overlap.

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Chapter3. Bug Fix and Other Changes

3.1. PFV4.0.1 Fixed Bugs and Changes

This version does not give details on first release for customers.

Please contact our technical staff for details.

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Chapter4. The Contents of SDK

4.1. The Contents of SDK

4.1.1. New Camera Support

Support to FASTCAM Nova.

Support to FASTCAM MH6.

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