

# **Photron *FASTCAM* Viewer**

*for High Speed Digital Imaging*



## **Release Notes**

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**(Ver.3.6.3)**

**Photron**

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# Chapter.1 Release Summary

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The following describes the release summary.

## 1.1. PFV Ver.3.6.3 Summary

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PFV Ver.3.6.3 supports Random Reset Trigger Mode on FASTCAM Mini WX whose firmware version is 3.02 or later. Low noise and high resolution camera FASTCAM Mini WX can be used for PIV, engine combustion and other field.

Fan stop function is available on FASTCAM Mini UX whose firmware version is 2.00 or later. Small pixel size camera FASTCAM Mini UX has been used for many microscope applications. This function allows additionally using large magnifying lenses because the cooling fan can be stopped.

The shortest shutter speed 159nsec is available at all of frame rates on FASTCAM SA-Z whose firmware version is 1.12 or later. This is useful for penetration, shock wave and others such as fast shutter speed required.

Several bugs have been fixed and you might feel the smooth operation.

We would like the users will enjoy the latest version of PFV with the FASTCAM high-speed cameras being used in various application field.

# Chapter.2 New Function and Operation

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The following describes the new function and the operation.

## 2.1. PFV Ver.3.6.3 Added Functions

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### 2.1.1. FASTCAM Mini UX50/100 function for Fan Control

Fan Control is now supported on the Mini WX 50/100 with Firmware version 2.00 or higher.

### 2.1.2. FASTCAM Mini WX 50/100 Random\_Reset trigger mode

Random Reset trigger mode is now supported on the Mini WX 50/100 with Firmware version 3.02 or higher.

### 2.1.3. Supports a shutter speed of 159 ns for all recording speeds and resolution settings on the FASTCAM SA-Z

The shortest exposure time can now be set to 159 ns for all recording speeds and resolution settings on the FASTCAM SA-Z with Firmware version version 1.12 or higher.



#### Caution

- With the export-controlled models, such as Type 480K, there is a certain constraint on the available framing rates.

# Chapter.3 The Contents of Bug Fix

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The following describes the contents of a bug fix.

### **3.1. PFV Ver.3.6.3 Fixed bugs**

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The following bugs have been fixed in the PFV Ver.3.6.3:

1. At FASTCAM Mini UX/WX/AX, a recorded trigger frame became black image.
2. At FASTCAM Mini UX/WX, both INPUT1 and INPUT2 were able to be set as trigger input in same time.
3. At FASTCAM Mini UX/WX, when a camera is synchronizing with others, the camera did not work correctly if INPUT setting is changed.
4. When there are two images from FASTCAM Mini UX, one image is saved as color 16bit TIFF, the other is saved as bayer 16bit RAWW and converted to color 16bit TIFF, they were not matched each other.
5. At FASTCAM Mini WX, recorded IRIG time was different from actual IRIG time.
6. At FASTCAM Mini WX, shutter speed was not changed even if low light mode is set.
7. At FASTCAM Mini WX/AX, the check box of auto partition increment existed.
8. Saving to SD card function did not work at FASTCAM SA-X2.
9. At a specific PC, playing back images in a FAST Drive did not work.



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