
PCN Number: 08/2023

Title: **New Firmware Features Pixel Correction Beyond, Line Noise Reduction and Blooming Reduction**

Product Family: ace 2 X visSWIR

Release date: November 08, 2023

Contact: Basler Support

Type of Change:

Miscellaneous **Firmware** **PC Software**

Product design **Process**

Reason for Change

To improve the image quality for Basler ace 2 X visSWIR cameras, new firmware features have been added: Pixel Correction Beyond, Line Noise Reduction and Blooming Reduction are available for Basler ace 2 X visSWIR cameras now. Further, the maximum exposure time has been decreased from 10s to 1s for those cameras.

We also further improved the functionality of the cameras by including maintenance work and fixing bugs.

Change Description

Pixel Correction Beyond

The Pixel Correction Beyond feature significantly decreases defective pixels dynamically in each image while maintaining even small structures. By adjusting a standardized threshold, the intensity of the correction can be customized. It is possible to switch off the feature. There is no influence on the Static Pixel Correction feature.

For further information about this feature please look at our product documentation or contact the Basler Support.

Basler AG
Europe, Middle East, Africa
Tel. +49 4102 463 515
Fax +49 4102 463 599
support.europe@baslerweb.com
www.baslerweb.com

The Americas
Tel. +1 610 280 0171
Fax +1 610 280 7608
support.usa@baslerweb.com

Asia-Pacific Region
Tel. +65 6367 1355
Fax +65 6367 1255
support.asia@baslerweb.com

Line Noise Reduction

The Line Noise Reduction feature dynamically reduces horizontal streaks in the image. The intensity of the correction can be adjusted by a standardized threshold. It is possible to switch off the feature.

For further information about this feature please look at our product documentation or contact the Basler Support.

Blooming Reduction

The Blooming Correction feature reduces blooming artifacts. Per default, it is deactivated.

For further information about this feature please look at our product documentation or contact the Basler Support.

Decreased Maximum Exposure Time

The Maximum Exposure Time has been decreased to 1 seconds. Due to the sensor InGaAs technology, an exposure of more than 1 second generates not sensible images.

Affected models and expected first production / shipping date

Model	Part Number	Revision	Production /shipping Date
a2A640-240gmSWIR	108571	05	November 2023
a2A1280-80gmSWIR	108572	05	November 2023
a2A640-240umSWIR	108807	04	November 2023
a2A1280-125umSWIR	108808	04	November 2023

Customized cameras based on the same product model might be affected, please contact the Basler Support for clarification.

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Fax +65 6367 1255

support.asia@baslerweb.com

It is possible to update already shipped cameras. Please reach out to Basler Support for more information.

Additional Information

Basler may make changes to specifications and product descriptions at any time, without notice. The information in this document is subject to change without notice.

There is no claim to exchange or update the stock or the delivered goods due to the PCN. This applies to customer inventories as well as Basler's own inventory. Also there is no claim to receive the old revision after change.

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Fax +49 4102 463 599
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