

PRODUCT CHANGE NOTIFICATION (PCN)

PCN Number: 09/2022
Title: **New Firmware Features
Sequencer and Static Defect
Pixel Correction**
Product Family: ace 2 and Basler boost
Release date: November 22, 2022
Contact: Basler Support
Type of Change:
 Miscellaneous **Firmware** **PC Software**
 Product design **Process**

Reason for Change

The camera features Sequencer and Static Defect Pixel Correction are available for Basler boost and ace 2 cameras now.

Please see in the table below which feature is available for which camera family:

Feature	Basler boost	ace 2 BAS	ace 2 PRO
Sequencer	yes	no	yes
Static Defect Pixel Correction	yes	yes	yes

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

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

Change Description

Sequencer

The Sequencer camera feature allows you to define sets of parameter settings, called sequencer sets, and apply them to a sequence of image acquisitions.

As the camera acquires images, it applies one sequencer set after the other. This enables you to quickly change camera parameters without compromising the maximum frame rate.

For further information about this feature please take a look at our [product documentation](#) or contact the Basler Support.

Static Defect Pixel Correction

The Defect Pixel Correction camera feature allows you to minimize the influence of sensitivity differences of individual pixels of the sensor.

In acquired images, some pixels may appear significantly brighter or darker than the rest, even if uniform light is used. This problem is caused by differences in sensitivity of the individual pixels which in turn are due to production tolerances.

The Static Defect Pixel Correction is based on files that are stored on the camera and contain a list of defect pixel coordinates.

The following defect pixel correction files can be stored on the camera:

- **Factory file:** Contains the coordinates of defect pixels that were detected during camera production. With this file, the camera corrects pixels that have a significantly lower intensity value than the neighboring pixels, including completely black pixels.
- **User file:** Contains user-defined coordinates. You can upload this file to the camera. This allows you to define new defect pixels that might have occurred over time, regardless of whether these pixels are too dark or too bright.

For further information about this feature please take a 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

Affected models and expected first production / shipping date

	Model	Part Number	Revision	Production /shipping Date
Basler boost	boA4112-68cm - IMX253	107801	06	January 2023
	boA4112-68cc - IMX253	107802	06	January 2023
	boA4096-93cm - IMX255	107803	06	January 2023
	boA4096-93cc - IMX255	107804	06	January 2023
	boA5328-100cm - IMX530	108376	04	January 2023
	boA5328-100cc - IMX530	108377	04	January 2023
	boA4504-100cm - IMX531	108378	04	January 2023
	boA4504-100cc - IMX531	108379	04	January 2023
	boA5320-150cm - IMX532	108380	04	January 2023
	boA5320-150cc - IMX532	108381	04	January 2023
	boA4096-180cm - IMX535	108668	05	January 2023
	boA4096-180cc - IMX535	108669	05	January 2023
	boA2832-190cm - IMX536	108670	05	January 2023
	boA2832-190cc - IMX536	108671	05	January 2023
	boA2448-250cm - IMX537	108672	05	January 2023
	boA2448-250cc - IMX537	108673	05	January 2023
	boA1936-400cm - IMX421	108674	05	January 2023
	boA1936-400cc - IMX421	108675	05	January 2023
	boA4500-45cm - XGS20000	108389	08	January 2023
	boA4500-45cc - XGS20000	108390	08	January 2023
	boA6500-36cm - XGS32000	108391	09	January 2023
	boA6500-36cc - XGS32000	108392	08	January 2023
boA8100-16cm - XGS45000	108393	09	January 2023	
boA8100-16cc - XGS45000	108394	08	January 2023	

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

PRODUCT CHANGE NOTIFICATION (PCN)

	Model	Part Number	Revision	Production /shipping Date
ace 2 USB	a2A1920-160umBAS - IMX392	107820	23	January 2023
	a2A1920-160ucBAS - IMX392	107821	23	January 2023
	a2A1920-160umPRO - IMX392	107961	14	January 2023
	a2A1920-160ucPRO - IMX392	107962	13	January 2023
	a2A3840-45umBAS - IMX334	108014	14	January 2023
	a2A3840-45ucBAS - IMX334	108015	15	January 2023
	a2A3840-45umPRO - IMX334	108125	9	January 2023
	a2A3840-45ucPRO - IMX334	108126	9	January 2023
	a2A2590-60umBAS - IMX334ROI	108028	12	January 2023
	a2A2590-60ucBAS - IMX334ROI	108029	13	January 2023
	a2A2590-60umPRO - IMX334ROI	108129	9	January 2023
	a2A2590-60ucPRO - IMX334ROI	108130	9	January 2023
	a2A5328-15umBAS - IMX540	108115	12	January 2023
	a2A5328-15ucBAS - IMX540	108116	11	January 2023
	a2A5328-15umPRO - IMX540	108119	13	January 2023
	a2A5328-15ucPRO - IMX540	108120	12	January 2023
	a2A4504-18umBAS - IMX541	108161	13	January 2023
	a2A4504-18ucBAS - IMX541	108162	12	January 2023
	a2A4504-18umPRO - IMX541	108165	13	January 2023
	a2A4504-18ucPRO - IMX541	108166	12	January 2023
	a2A5320-23umBAS - IMX542	108171	13	January 2023
	a2A5320-23ucBAS - IMX542	108172	12	January 2023
	a2A5320-23umPRO - IMX542	108175	13	January 2023
	a2A5320-23ucPRO - IMX542	108176	12	January 2023
	a2A4096-30umBAS - IMX545	108408	8	January 2023
	a2A4096-30ucBAS - IMX545	108409	8	January 2023
	a2A4096-30umPRO - IMX545	108420	8	January 2023
	a2A4096-30ucPRO - IMX545	108421	8	January 2023
a2A2840-48umBAS - IMX546	108412	8	January 2023	

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

PRODUCT CHANGE NOTIFICATION (PCN)

	Model	Part Number	Revision	Production /shipping Date
	a2A2840-48ucBAS - IMX546	108413	9	January 2023
	a2A2840-48umPRO - IMX546	108424	8	January 2023
	a2A2840-48ucPRO - IMX546	108425	9	January 2023
	a2A2448-75umBAS - IMX547	108416	8	January 2023
	a2A2448-75ucBAS - IMX547	108417	9	January 2023
	a2A2448-75umPRO - IMX547	108428	8	January 2023
	a2A2448-75ucPRO - IMX547	108429	9	January 2023
	a2A2600-64umBAS - GMAX2505	108370	9	January 2023
	a2A2600-64ucBAS - GMAX2505	108371	9	January 2023
	a2A2600-64umPRO - GMAX2505	108372	9	January 2023
	a2A2600-64ucPRO - GMAX2505	108373	9	January 2023
	a2A4200-40umBAS - GMAX2509	108362	9	January 2023
	a2A4200-40ucBAS - GMAX2509	108363	9	January 2023
	a2A4200-40umPRO - GMAX2509	108364	9	January 2023
	a2A4200-40ucPRO - GMAX2509	108365	9	January 2023
	ace 2 GigE	a2A1920-51gmBAS - IMX392	107822	24
a2A1920-51gcBAS - IMX392		107823	24	January 2023
a2A1920-51gmPRO - IMX392		107963	16	January 2023
a2A1920-51gcPRO - IMX392		107964	16	January 2023
a2A3840-13gmBAS - IMX334		108016	15	January 2023
a2A3840-13gcBAS - IMX334		108017	16	January 2023
a2A3840-13gmPRO - IMX334		108127	10	January 2023
a2A3840-13gcPRO - IMX334		108128	10	January 2023
a2A2590-22gmBAS - IMX334ROI		108030	14	January 2023
a2A2590-22gcBAS - IMX334ROI		108031	15	January 2023
a2A2590-22gmPRO - IMX334ROI		108131	10	January 2023
a2A2590-22gcPRO - IMX334ROI		108132	10	January 2023
a2A5328-4gmBAS - IMX540		108117	13	January 2023
a2A5328-4gcBAS - IMX540		108118	12	January 2023

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

PRODUCT CHANGE NOTIFICATION (PCN)

Model	Part Number	Revision	Production /shipping Date
a2A5328-4gmPRO - IMX540	108121	14	January 2023
a2A5328-4gcPRO - IMX540	108122	13	January 2023
a2A4504-5gmBAS - IMX541	108163	14	January 2023
a2A4504-5gcBAS - IMX541	108164	13	January 2023
a2A4504-5gmPRO - IMX541	108167	14	January 2023
a2A4504-5gcPRO - IMX541	108168	13	January 2023
a2A5320-7gmBAS - IMX542	108173	14	January 2023
a2A5320-7gcBAS - IMX542	108174	13	January 2023
a2A5320-7gmPRO - IMX542	108177	14	January 2023
a2A5320-7gcPRO - IMX542	108178	13	January 2023
a2A4096-9gmBAS - IMX545	108410	8	January 2023
a2A4096-9gcBAS - IMX545	108411	8	January 2023
a2A4096-9gmPRO - IMX545	108422	8	January 2023
a2A4096-9gcPRO - IMX545	108423	8	January 2023
a2A2840-14gmBAS - IMX546	108414	8	January 2023
a2A2840-14gcBAS - IMX546	108415	9	January 2023
a2A2840-14gmPRO - IMX546	108426	8	January 2023
a2A2840-14gcPRO - IMX546	108427	9	January 2023
a2A2448-23gmBAS - IMX547	108418	8	January 2023
a2A2448-23gcBAS - IMX547	108419	9	January 2023
a2A2448-23gmPRO - IMX547	108430	8	January 2023
a2A2448-23gcPRO - IMX547	108431	9	January 2023
a2A2600-20gmBAS - GMAX2505	108366	9	January 2023
a2A2600-20gcBAS - GMAX2505	108367	9	January 2023
a2A2600-20gmPRO - GMAX2505	108368	9	January 2023
a2A2600-20gcPRO - GMAX2505	108369	9	January 2023
a2A4200-12gmBAS - GMAX2509	108358	9	January 2023
a2A4200-12gcBAS - GMAX2509	108359	9	January 2023
a2A4200-12gmPRO - GMAX2509	108360	9	January 2023

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

PRODUCT CHANGE NOTIFICATION (PCN)



	Model	Part Number	Revision	Production /shipping Date
	a2A4200-12gcPRO - GMAX2509	108361	9	January 2023

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

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.

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