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<b>PCN Number:</b>	07/2019	
<b>Title:</b>	<b>New Firmware 1.6 for dart and pulse including PGI feature for monochrome cameras</b>	
<b>Product Family:</b>	dart USB, dart BCON for LVDS, pulse, embedded development kits	
<b>Release date:</b>	August 18 <sup>th</sup> 2019	
<b>Contact:</b>	Basler Support	
<b>Type of Change:</b>		
<input type="checkbox"/> Miscellaneous	<input checked="" type="checkbox"/> Firmware	<input type="checkbox"/> PC Software
<input type="checkbox"/> Product design	<input type="checkbox"/> Process	

## Reason for Change

As the PGI image enhancement feature – up to now only available for color cameras - revealed as a useful and powerful tool, its features which are suitable for monochrome images shall be provided as well.

These features include improved sharpness and denoising which are now available as a standard. More about PGI on our website at <https://www.baslerweb.com/PGI>

## Change Description

The firmware update includes the following items:

- PGI for mono versions
- Harmonization of dart USB and dart BCON for LVDS firmware versions which includes some bug fixings for the dart BCON for LVDS versions
- some bug fixing

Full backwards compatibility for the mono versions is provided. I.e. the wake-up settings are such that the PGI part of the pre-processing is set to 'off' (only in the mono versions). Hence, one gets – if no custom parametrization is utilized - the same image as in older FW versions.

This change is also valid for cameras supplied with the development kits for dart USB and dart BCON for LVDS, respectively.

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**Affected models and expected first production / shipping date**

Model	Part Number	Revision	Production /shipping Date
daA1280-54um - AR0134 no Mount	106680	15	Aug 21st 2019
daA1280-54um - AR0134 CS-Mount	106681	15	Aug 21st 2019
daA1280-54um - AR0134 S-Mount	106682	15	Aug 21st 2019
daA1280-54uc - AR0134 no Mount	106683	15	Aug 21st 2019
daA1280-54uc - AR0134 CS-Mount	106684	18	Aug 21st 2019
daA1280-54uc - AR0134 S-Mount	106685	15	Aug 21st 2019
daA1920-30um - MT9P031 no Mount	106686	15	Aug 21st 2019
daA1920-30um - MT9P031 CS-Mount	106687	15	Aug 21st 2019
daA1920-30um - MT9P031 S-Mount	106688	15	Aug 21st 2019
daA1920-30uc - MT9P031 no Mount	106689	15	Aug 21st 2019
daA1920-30uc - MT9P031 CS-Mount	106690	18	Aug 21st 2019
daA1920-30uc - MT9P031 S-Mount	106691	15	Aug 21st 2019
daA2500-14um - MT9P031 no Mount	106692	15	Aug 21st 2019
daA2500-14um - MT9P031 CS-Mount	106693	15	Aug 21st 2019
daA2500-14um - MT9P031 S-Mount	106694	15	Aug 21st 2019
daA2500-14uc - MT9P031 no Mount	106695	15	Aug 21st 2019
daA2500-14uc - MT9P031 CS-Mount	106696	18	Aug 21st 2019
daA2500-14uc - MT9P031 S-Mount	106697	15	Aug 21st 2019
daA1920-15um - MT9P031 no Mount	106732	15	Aug 21st 2019
puA1280-54um - AR0134	106953	13	Aug 21st 2019
puA1280-54uc - AR0134	106954	13	Aug 21st 2019
puA1920-30um - MT9P031	106955	13	Aug 21st 2019
puA1920-30uc - MT9P031	106956	13	Aug 21st 2019
puA2500-14um - MT9P031	106957	13	Aug 21st 2019
puA2500-14uc - MT9P031	106958	13	Aug 21st 2019

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# PRODUCT CHANGE NOTIFICATION (PCN)



Model	Part Number	Revision	Production /shipping Date
daA1600-60um - EV6C7570 no Mount	106980	12	Aug 21st 2019
daA1600-60um - EV76C570 CS-Mount	106981	13	Aug 21st 2019
daA1600-60um - EV76C570 S-Mount	106982	12	Aug 21st 2019
daA1600-60uc - EV76C570 no Mount	106983	12	Aug 21st 2019
daA1600-60uc - EV76C570 CS-Mount	106988	13	Aug 21st 2019
daA1600-60uc - EV76C570 S-Mount	106989	12	Aug 21st 2019
puA1600-60um - EV76C570 CS-Mount	106990	15	Aug 21st 2019
puA1600-60uc - EV76C570 CS-Mount	106991	16	Aug 21st 2019
daA1600-60lm - EV76C570 No Mount	107110	9	Aug 21st 2019
daA1600-60lm - EV76C570 CS-Mount	107111	10	Aug 21st 2019
daA1600-60lm - EV76C570 S-Mount	107112	9	Aug 21st 2019
daA1600-60lc - EV76C570 No Mount	107113	9	Aug 21st 2019
daA1600-60lc - EV76C570 CS-Mount	107114	10	Aug 21st 2019
daA1600-60lc - EV76C570 S-Mount	107115	9	Aug 21st 2019
daA1280-54lm - AR0134 No Mount	107139	7	Aug 21st 2019
daA1280-54lm - AR0134 CS-Mount	107140	6	Aug 21st 2019
daA1280-54lm - AR0134 S-Mount	107141	6	Aug 21st 2019
daA1280-54lc - AR0134 No Mount	107142	6	Aug 21st 2019
daA1280-54lc - AR0134 CS-Mount	107143	6	Aug 21st 2019
daA1280-54lc - AR0134 S-Mount	107144	6	Aug 21st 2019
daA2500-14lm - MT9P031 No Mount	107145	7	Aug 21st 2019
daA2500-14lm - MT9P031 CS-Mount	107146	7	Aug 21st 2019
daA2500-14lm - MT9P031 S-Mount	107147	7	Aug 21st 2019
daA2500-14lc - MT9P031 No Mount	107148	7	Aug 21st 2019
daA2500-14lc - MT9P031 CS-Mount	107149	7	Aug 21st 2019
daA2500-14lc - MT9P031 S-Mount	107150	7	Aug 21st 2019
daA2500-14uc-EVA	107244	5	Aug 21st 2019
daA2500-14lc-MZ7010	107391	6	Aug 21st 2019

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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.

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