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**PCN Number:** 02 2020  
**Title:** **Firmware Update For ace 2 Cameras**  
**Product Family:** ace 2  
**Release date:** June 17, 2020 (PM)  
**Contact:** Basler Support  
**Type of Change:**  
 **Miscellaneous**    **Firmware**    **PC Software**  
 **Product design**    **Process**

## Reason for Change

There are two main reasons for this new firmware release:

1. We fixed a bug in our ace 2 models which mainly limited the possible speed increase for our Compression Beyond feature on ace 2 GigE cameras.
2. We added a new High Speed Burst Mode, allowing the user to trigger a predefined burst of images at the maximum sensor speed possible in our hardware.

## Change Description

### 1. Fixed Bug

The fixed behavior of our camera now allows the user to achieve a factor two increase in speed on ace 2 Pro GigE cameras by using the Compression Beyond feature. The accurate increase heavily depends on the working point of the camera (pixel format, ROI, etc.).

### 2. New High Speed Burst Mode

Usually, the frame rate of the camera is not only limited by its sensor and internal buffer, but also by its ability to transfer data. This includes, e.g., the interface bandwidth or your network setup.

The High Speed burst mode allows you to work around these data transfer limitations and acquire a burst of images as quickly as possible.

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To achieve this, during a burst, acquiring images and filling the camera's internal buffer is highly prioritized over transmitting data. Usually, images will be transmitted only after all images of a burst have been acquired. This may introduce a delay after each burst, i.e., lower the burst rate.

For further information on this new feature, please take a look at our product documentation.

## Affected models and expected first production / shipping date

Model	Part Number	Revision	Production /shipping Date
a2A1920-51gmBAS	107822	18	01.07.2020
a2A1920-51gcBAS	107823	18	01.07.2020
a2A1920-51gmPRO	107963	10	01.07.2020
a2A1920-51gcPRO	107964	10	01.07.2020
a2A1920-160umBAS	107820	18	01.07.2020
a2A1920-160ucBAS	107821	18	01.07.2020
a2A1920-160umPRO	107961	09	01.07.2020
a2A1920-160ucPRO	107962	08	01.07.2020

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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