
PCN Number: 05/2020
Title: Firmware Update on all ace U and ace L models
Product Family: ace U and ace L
Release date: September 25, 2020
Contact: Basler Support
Type of Change:
 Miscellaneous Firmware PC Software
 Product design Process

Reason for Change

To continuously improve the functionality and quality of our cameras we are now providing a new firmware version. This new firmware contains several bug fixes to ensure best quality and new features which even to raise up the functionality.

Change Description

The new firmware contains several new features and improvements:

Ultra Short exposure time feature for all ace IMX264, IMX265, IMX250, IMX252, IMX255, IMX253, IMX304, IMX267 models.

- This feature allows to set the exposure time mode from standard to ultra short. Within this mode there are an exposure time from 1µs to 13 µs available. (please see our manual for detailed available exposure time per model)

Improved boot behavior for all ace U & ace L USB models.

- Improved robustness of recognition of cameras during boot especially in challenging environments.

Based on customer's feedback, the Basler SLP feature has now been further improved for all ace U and ace L models:

- Basler SLP Strobe Controller can be simply switched between current and voltage mode.
- Basler Camera Lights are now perfectly supported and can be controlled easily via pylon

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Within these changes there is in rare cases an increased power consumption to be expected as before. These should not raise any problems.

The following table shows the effected camera models, the content of change in detail and it's revision within this improvements will be available:

Affected models and expected first production / shipping date

Family	Model	Content of Change	Valid from Revision	Production /shipping Date
Ace U USB	acA640-750uc / acA640-750um (Python 300)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	23	b/o October 2020
	acA800-510uc / acA800-510um (Python 500)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	23	b/o October 2020
	acA720-520uc / acA720-520um (IMX287)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	11 / 10	b/o October 2020
	acA1300-200uc / acA1300-200um (Python 1300)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	22	b/o October 2020
	acA1440-220uc / acA1440-220um (IMX273)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	11 / 10	b/o October 2020
	acA1920-150uc / acA1920-150um (Python 2000)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	15 / 14	b/o October 2020
	acA1920-155uc / acA1920-155um (IMX174)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	20	b/o October 2020
	acA1920-40uc / acA1920-40um (IMX249)	- improved boot behavior - support of Basler Camera lights	18	b/o October 2020

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PRODUCT CHANGE NOTIFICATION (PCN)

Ace L USB		- optimized SLP controller functionalities		
	acA2040-120uc / acA2040-120um (IMX252)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	22	b/o October 2020
	acA2040-55uc/ acA2040-55um (IMX265)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	22	b/o October 2020
	acA2440-35uc/ acA2440-35um (IMX264)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	22	b/o October 2020
	acA2440-75uc/ acA2440-75um (IMX250)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	22	b/o October 2020
	acA2500-60uc / acA2500-60um (Python 5000)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	15 / 14	b/o October 2020
	acA3088-57uc / acA3088-57um (IMX178)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	12 / 11	m/o October 2020
	acA4024-29uc / acA4024-29um (IMX226)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	14	m/o October 2020
	acA5472-17uc/ acA5472-17um (IMX183)	- improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	10	m/o October 2020
	acA4096-30uc / acA4096-30um (IMX267)	- Ultra short exposure time Mode - improved boot behavior	12	b/o October 2020

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		- support of Basler Camera lights - optimized SLP controller functionalities		
	acA4096-40uc / acA4096-40um (IMX255)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	12	b/o October 2020
	acA4112-20uc / acA4112-20um (IMX304)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	12	b/o October 2020
	acA4112-30uc / acA4112-30um (IMX253)	- Ultra short exposure time Mode - improved boot behavior - support of Basler Camera lights - optimized SLP controller functionalities	12	b/o October 2020
Ace U GigE	acA640-300gc / acA640-300gm (Python 300)	- support of Basler Camera lights - optimized SLP controller functionalities	20	b/o December 2020
	acA640-121gm (ICX 618 Repl.)	- support of Basler Camera lights - optimized SLP controller functionalities	9	b/o December 2020
	acA720-290gc / acA720-290gm (IMX287)	- support of Basler Camera lights - optimized SLP controller functionalities	14 / 13	b/o December 2020
	acA800-200gc / acA800-200gm (Python 500)	- support of Basler Camera lights - optimized SLP controller functionalities	20	b/o December 2020
	acA1300-75gc / acA1300-75gm (Python 1300)	- support of Basler Camera lights - optimized SLP controller functionalities	20 / 21	b/o December 2020
	acA1440-73gc / acA1440-73gm (IMX273)	- support of Basler Camera lights - optimized SLP controller functionalities	14 / 13	b/o December 2020
	acA1920-40gc / acA1920-40gm (IMX249)	- support of Basler Camera lights - optimized SLP controller functionalities	16	b/o December 2020

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	acA1920-48gc / acA1920-48gm (Python 2000)	- support of Basler Camera lights - optimized SLP controller functionalities	12	b/o December 2020
	acA1920-50gc / acA1920-50gm (IMX174)	- support of Basler Camera lights - optimized SLP controller functionalities	18 / 19	b/o December 2020
	acA2040-35gc / acA2040-35gm (IMX265)	- Ultra short exposure time Mode - support of Basler Camera lights - optimized SLP controller functionalities	19	b/o December 2020
	acA2440-20gc / acA2440-20gm (IMX264)	- Ultra short exposure time Mode - support of Basler Camera lights - optimized SLP controller functionalities	18	b/o December 2020
	acA2500-20gc / acA2500-20gm (Python 5000)	- support of Basler Camera lights - optimized SLP controller functionalities	12	b/o December 2020
	acA3088-16gc / acA3088-16gm (IMX178)	- support of Basler Camera lights - optimized SLP controller functionalities	12 / 11	b/o December 2020
	acA4024-8gc / acA4024-8gm (IMX226)	- support of Basler Camera lights - optimized SLP controller functionalities	12	b/o December 2020
	acA5472-5gc / acA5472-5gm (IMX183)	- support of Basler Camera lights - optimized SLP controller functionalities	11 / 10	b/o December 2020
Ace L GigE	acA4096-11gc / acA4096-11gm (IMX267)	- Ultra short exposure time Mode - support of Basler Camera lights - optimized SLP controller functionalities	10	b/o December 2020
	acA4112-8gc / acA4112-8gm (IMX304)	- Ultra short exposure time Mode - support of Basler Camera lights - optimized SLP controller functionalities	10	b/o December 2020

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

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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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