

PRODUCT CHANGE NOTIFICATION (PCN)



PCN Number: 03/2019
Title: Vignetting Correction for several ace models
Product Family: ace U and ace L
Release date: September 16, 2019
Contact: Basler Support
Type of Change:
 Miscellaneous Firmware PC Software
 Product design Process

Reason for Change

To provide our customers the best possible images, we always think of new features that help customers to improve their machines and applications.

The most recent feature of this extension is Vignetting Correction, which allows a correction of edge shadowing when the image circle is too small in relation to the sensor size.

Further information about this feature can be found on:

<https://www.baslerweb.com/en/products/cameras/area-scan-cameras/ace/new-ace-features/>

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

Vignetting is a well-known phenomenon in image processing and describes the decrease in image brightness towards the edge. This often results in this effect:

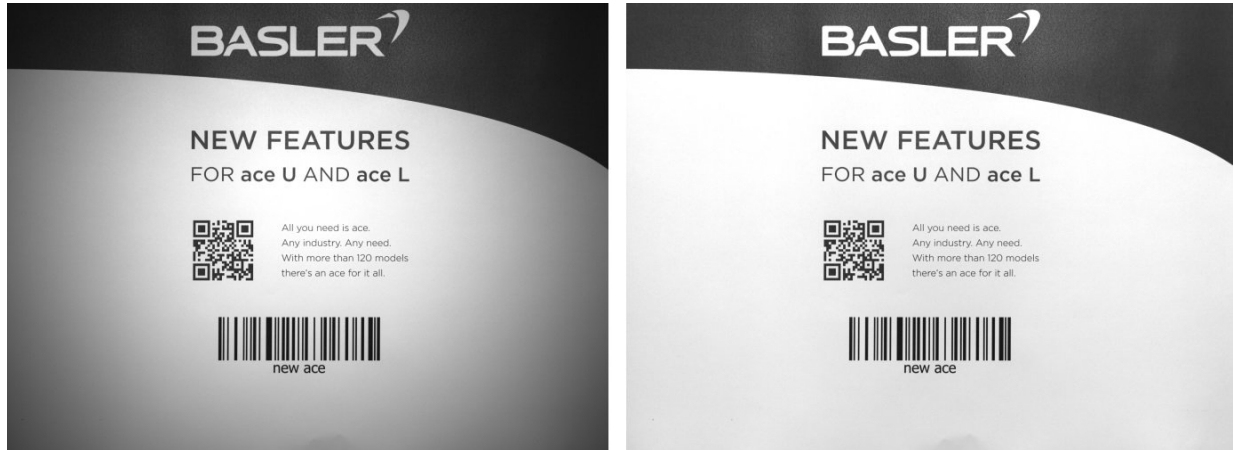


Fig. 1 Left without Vignetting Correction Feature, Right with Vignetting Correction Feature

Our Vignetting Correction feature corrects this effect and at the same time there is no negative effect on the frame rate or image quality after a one-time calibration of the camera, since the correction values are stored in the camera and automatically taken into account in the image output.

Please note that you have to use pylon 5.2.0 or higher to use the Vignetting Feature.

Further details about the feature behavior and the usage can be found on:

https://docs.baslerweb.com/#t=en%2Fvignetting_correction.htm

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Affected models and expected first production / shipping date

Model	Part Number	Revision	Estimated Production /shipping Date
acA4112-8gm/gc	107411 / 107412	07	04/2019
acA4112-20um/uc	107413 / 107414	07	04/2019
acA4112-30um/uc	107416 / 107417	07	04/2019
acA4096-11gm/gc	107418 / 107419	07	05/2019
acA4096-30um/uc	107420 / 107421	07	05/2019
acA4096-40um/uc	107422 / 107423	07	05/2019
acA1920-50gm/gc	106877 / 106878	17 / 16	08/2019
acA1920-155um/uc	106879 / 106880	15	07/2019
acA1920-40gm/gc	106907 / 106908	14	08/2019
acA1920-40um/uc	106909 / 106910	13	07/2019
acA3088-57um/uc	107402 / 107403	08	10/2019
acA4024-29um/uc	107404 / 107405	10 / 09	10/2019
acA3088-16gm/gc	107406 / 107407	09	10/2019
acA4024-8gm/gc	107408 / 107409	10 / 09	10/2019
acA5472-5gm/gc	107769 / 107770	08 / 09	10/2019
acA5472-17um/uc	107771 / 107772	07	10/2019

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

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Additional Information

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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.