PCN Number: 02/2016

Release date: May, 2016

Title: New coreboard version

Contact: Basler Support

Type of Change:

☐ **Miscellaneous**   ☐ **Firmware**   ☐ **PC Software**

☒ **Product design**   ☐ **Process**

Affected models and expected first production / shipping date

Series	Model	Part Number	Production / shipping Date
ace	acA1920-155um/uc	106879/106880	Expected: May, 2016
	acA1920-40um/uc	106909/106910	Expected: July, 2016
	acA640-750um/uc	106748/106749	Expected: July, 2016
	acA800-510um/uc	106764/106765	Expected: July, 2016
	acA1300-200um/uc	106752/106754	Expected: July, 2016

Change Description

In the design of the camera's coreboard some improvements were made. One change is implementing a new voltage regulation by changing the input voltage and implementing a switch. Furthermore the layout was optimized.

Reason for Change

The change was originally made to reduce the power consumption of new high resolution and high speed camera models as for example the acA2500-60um/uc.

As these models and following camera models are still under development, the mass production of these models will already start with the new coreboard.

For the cameras listed in this Product Change Notification the new coreboard was implemented as well to benefit from the stated improvements.

The exact power reduction is depending on your application and setup of the camera as well as other conditions as ambient temperature etc. In the following table you see one exemplary measurement that was done with an acA1920-155uc with the full AOI.

Model	Power Consumption (typical) with old coreboard version	Power Consumption (typical) with new coreboard version
acA1920-155uc	3,7W	3,6W

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.

Changes do not apply to custom cameras where different agreements are in place.

For the current power consumption values of specific camera models please have a look into our manuals that you can download on www.baslerweb.com.