

---

# **LC8K100CXP**

## **CXP camera**



**Firmware Update**

**Version 1.0**

**31.08.2012**

---

Publisher

BAP Image Systems GmbH  
Am Weichselgarten 7  
91058 Erlangen  
Germany

PHONE: + 49 (0) 9131 – 69 15 40  
FAX: + 49 (0) 9131 – 69 15 42  
E-MAIL: [info@bapimaging.com](mailto:info@bapimaging.com)  
WEB: <http://www.bapimaging.com>

Printed in Germany

**Specifications are subject to change**

Windows is a registered trademark of the Microsoft Corporation

**Copyright © BAP Image Systems GmbH**

All rights reserved

This user manual is intellectual property of the BAP Image Systems GmbH.  
Unauthorized use, photocopying or distribution prohibited.

Any repetition of the content of this handbook, completely or partially, is prohibited without written authorization granted by the BAP Image Systems GmbH.

Edition August 2012

## History

<b>Version</b>	<b>comments</b>
Version 1.0 31.08.2012	first release

## Table of content

1.	System requirements.....	5
1.1.	<i>Hardware</i> .....	5
1.2.	<i>Software</i> .....	5
2.	Update implementation.....	6
2.1.	<i>Starting the program</i> .....	6
2.2.	<i>Main window</i> .....	7
2.3.	<i>Update start</i> .....	7
2.4.	<i>Update process</i> .....	8
2.5.	<i>End of update</i> .....	9
2.6.	<i>Close the program</i> .....	9
2.7.	<i>Activation of version</i> .....	10

## 1. System requirements

### 1.1. Hardware

The camera has to be connected to a CXP Image Grabber a power supply.

CXP Image Grabber

We suggest our assemblies: PCIE4CXP2, PCIE8CXP4

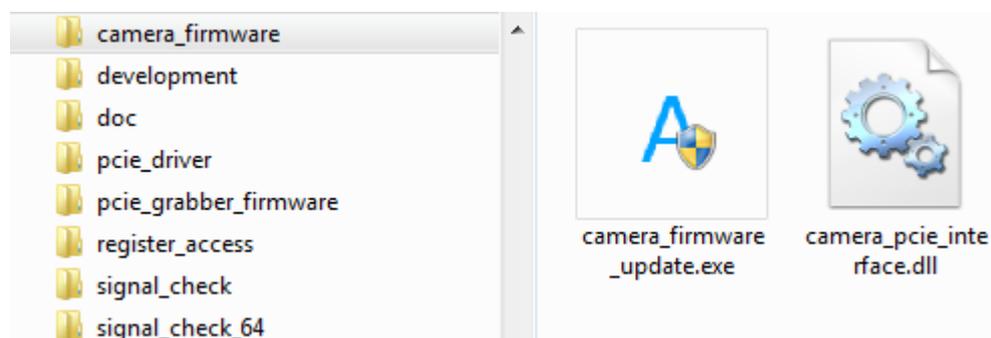
Power supply

The camera needs a power supply with an output voltage of 8,0V. Power consumption of the camera is about 7W.

### 1.2. Software

The update software is written for these common Windows Applications:

Windows XP 32bit, Windows Vista 32bit, Windows 7 32bit, Windows 7 64bit.



In the software package, the necessary update software file [camera\_firmware\_update.exe] and [camera\_pcie\_interface.dll] is found in folder ,camera\_firmware'.

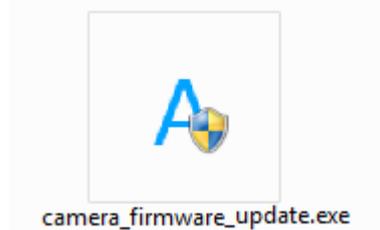
:  
-

If one file is not available, the update cannot be started.

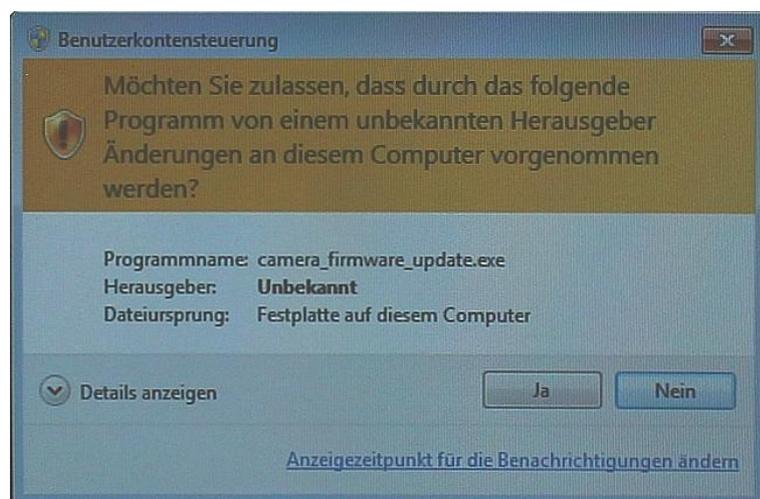
## 2. Update implementation

### 2.1. Starting the program

Double-click with left mouse button on the program icon.



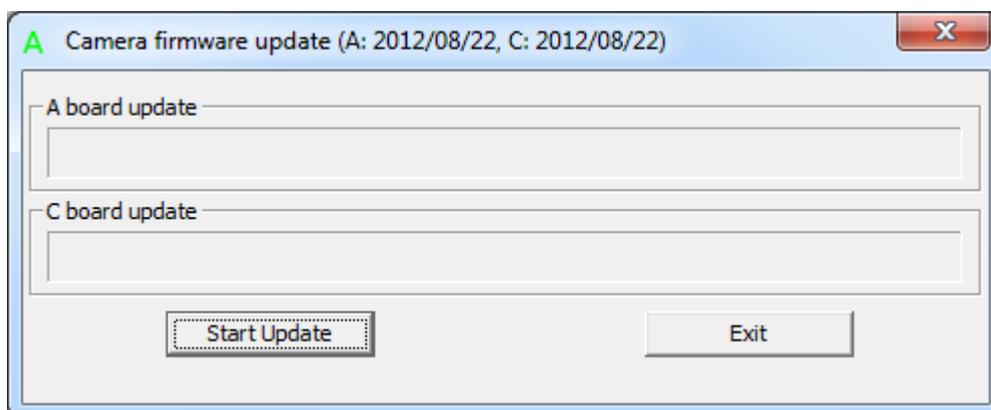
It might be possible, there will pop up a Windows Request (e.g. for Windows 7).



Please confirm with OK.

## 2.2. Main window

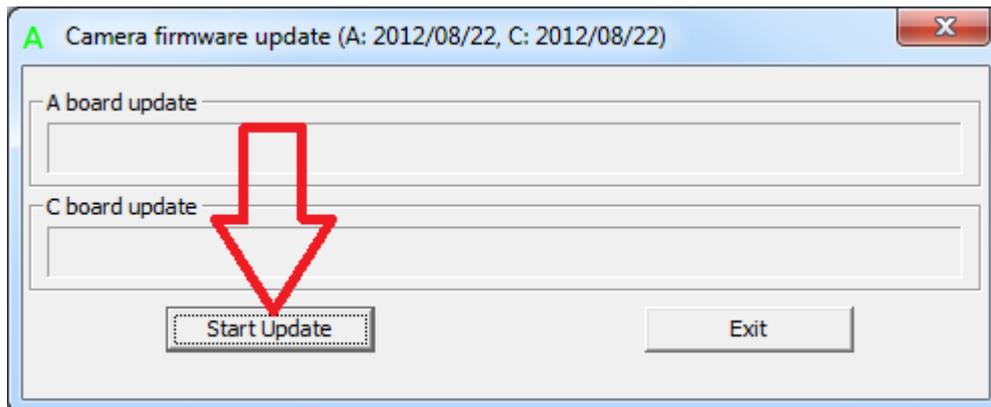
If program is started, an update operation dialogue appears for the update of both camera components (board A and board C).



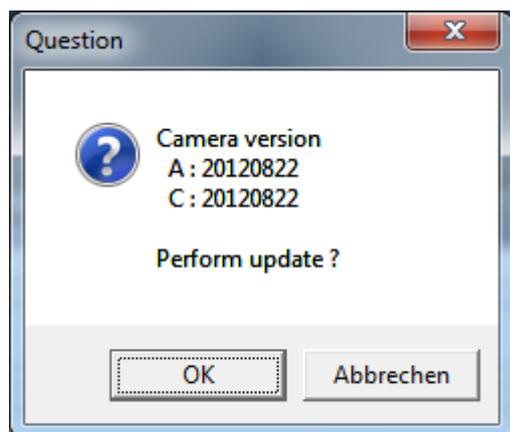
Note: In the upper part of the window, the publication date is shown.

## 2.3. Update start

To start the update, please click on button 'Start Update'.



Next, for security reasons, you will be asked, if the update should be really executed.

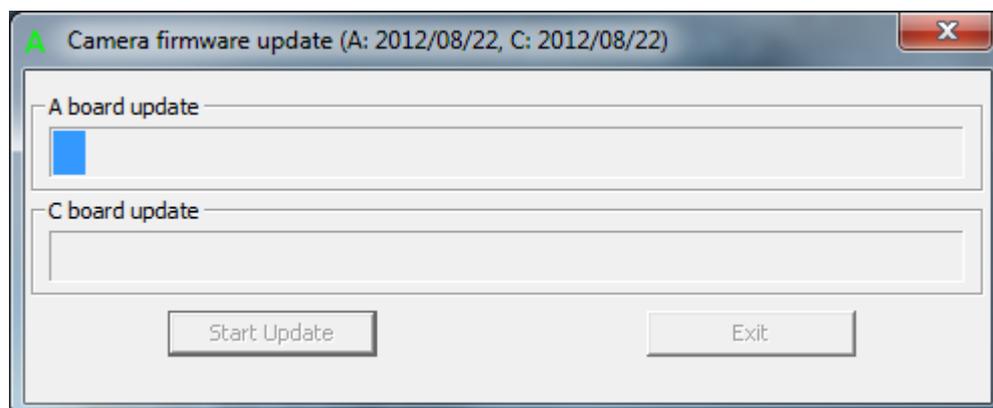


Do you really want to reprogram the camera? Click button ,OK‘.

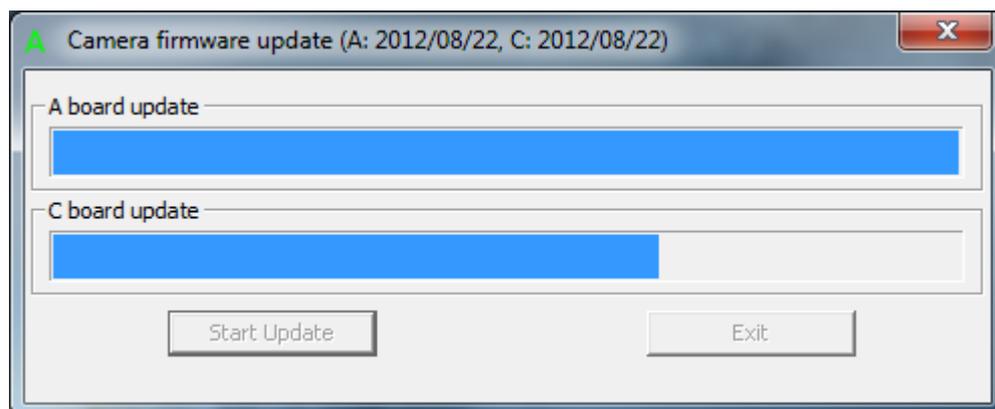
## 2.4. Update process

During the update:

- Under no circumstances, the camera is allowed to be turned off
- The CXP connection to the Image Grabber has to be held
- Don't turn off the computer



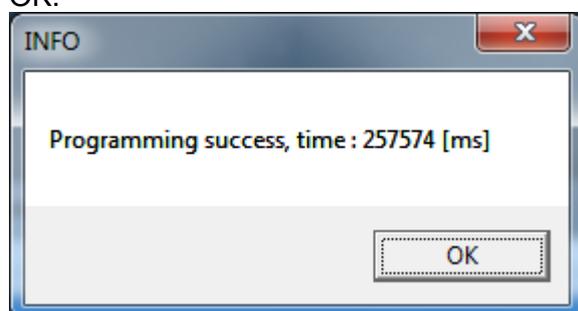
This process can take some time (up to 1 minute).



During this period, it is not possible to click any button.

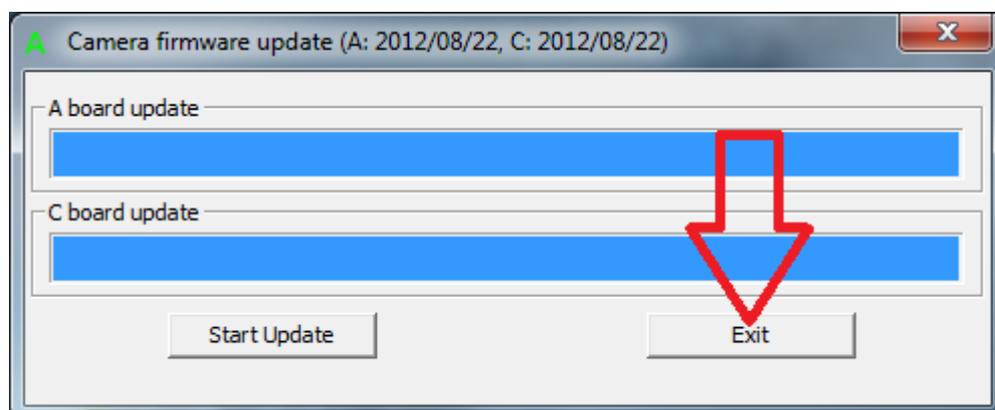
## 2.5. End of update

If the programming is finished, suitable information appears which should be confirmed with OK.



## 2.6. Close the program

After the information dialogue is closed, the program can be closed with button ,Exit'.



## 2.7. Activation of version

The new firmware is activated, if a hardware test is done.

Therefore, please turn off the camera and turn it on again, e.g. plug out and plug in the power supply cable.



# Contacting BAP

---

## Europe

BAP Image Systems GmbH  
Am Weichselgarten 7  
91058 Erlangen  
Germany

Tel: +49 (0) 9131 – 691 540

Fax: +49 (0) 9131 – 691 542

## USA

BAP Image Systems, LLC  
TECH Fort Worth  
1120 South Freeway, Ste 214  
Fort Worth, TX 76104  
USA

Tel: +1 (0) 817 – 878 2773

Fax: +1 (0) 817 – 878 2739

**E-mail:** [info@bapimaging.com](mailto:info@bapimaging.com)

**Web:** [www.bapimaging.com](http://www.bapimaging.com)