Living up to Life

Business Unit Communication

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Subject.: DMD 108; new camera and software / firmware

Dear colleagues,

DMD108 Systems delivered from 02/2009 are equipped with a new camera, featuring an improved hardware for advanced image correction functions.
This document describes some technical details and the influence of the software and its update process, **because the new camera will be destroyed by using the older firmware versions!**
An upgrade of older DMD108 models can be realized in
Technical Service CMS workshop / Wetzlar by use of the standard repair process.
The upgrade includes the installtion of a new camera, adjustment of the stand and a software update. We offer this upgrade to the SU's for a netto transfer fix price of **1760,- €**.

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I. Overview

	older software versions	current software version 1.4.0 Build 616	prospective software versions
New camera FW xx14	**Attention!** Camera will be destroyed	Valid software version	Can be used
Old camera FW xx13	Still in use	- software update possible, - change of boot mode, after that older versions not possible anymore! Displayed: „Updating Boot Configuration"	Can be used

II. Implications of the software and its update process.

1. The update process is still the same by using a clear USB stick (descriped in the service manual).
2. The automatic update of a system with a new camera by SW version prior to 1.4.0 Build 616 will make the camera unusable.
3. Software version (SWV) 1.4.0 Build 616 will be the first release which supports the new and the old camera version.
   This means it is able to update the firmware of the new camera version as well as the FW of an old camera.
4. Updating a system with SWV 1.4.0 Build 616 or later changes the boot process in a way that the system can't be reload with a SWV prior to Build 616.
5. When a system running with an old software version and you want to update it with a SW version 1.4.0 Build 616 or later, a message "Updating boot-configuration..." will appear on the bottom of the boot splash screen. The system will reboot automatically afterwards and the usual update process will start.

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6. **BEFORE you integrate a new camera in a system you should update the system to SWV 1.4.0 Build 616 or later**.This avoids the effect and it's consequences described in chapter II.1

III. Technical background.

1. **Identification of the camera version**
   You can distinguish the camera models by starting the main application, entering "**Setup**" → "**Global**" and pressing the "**About**"-Button.
   Old cameras will report a FW version **xx13**, improved ones a FW version **xx14**.
2. **The update problem**
   If you are using the manually update process in "**Advanced**" or "**Expert**" mode, it is no problem to overwrite the DMD108s operating system, DMD 108s software, DM 108s BIOS and DMD108s firmware, **as long as you don't update the camera**.
   The main problem is the "**Standard**" mode, that automatically overwrites the cameras firmware.

The new software version 1.4.0 Build 616 can be downloaded with immediate effect fro our ftp-server.

With best regards,

Leica Microsystems CMS GmbH

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