Introduction

This document describes the procedure required in order to firmware upgrade the LOGMAR S8 camera body with new firmware.

Prerequisites:

- A LOGMAR S8 DIGICANICAL camera with boot loader revision 1.00 or higher
- A Microsoft Windows based PC running either x64 or x86 architecture
- A Standard USB type B cable as shown below

Install the correct upgrade drivers

Unpack the Driver.zip file onto your desktop, which will create a folder called "Driver"

Inside this folder, you will find two files: **dpinst_x86.exe** which is for standard x86 32bit windows platforms and **dpinst_x64.exe** which is for x64 64bit platforms.
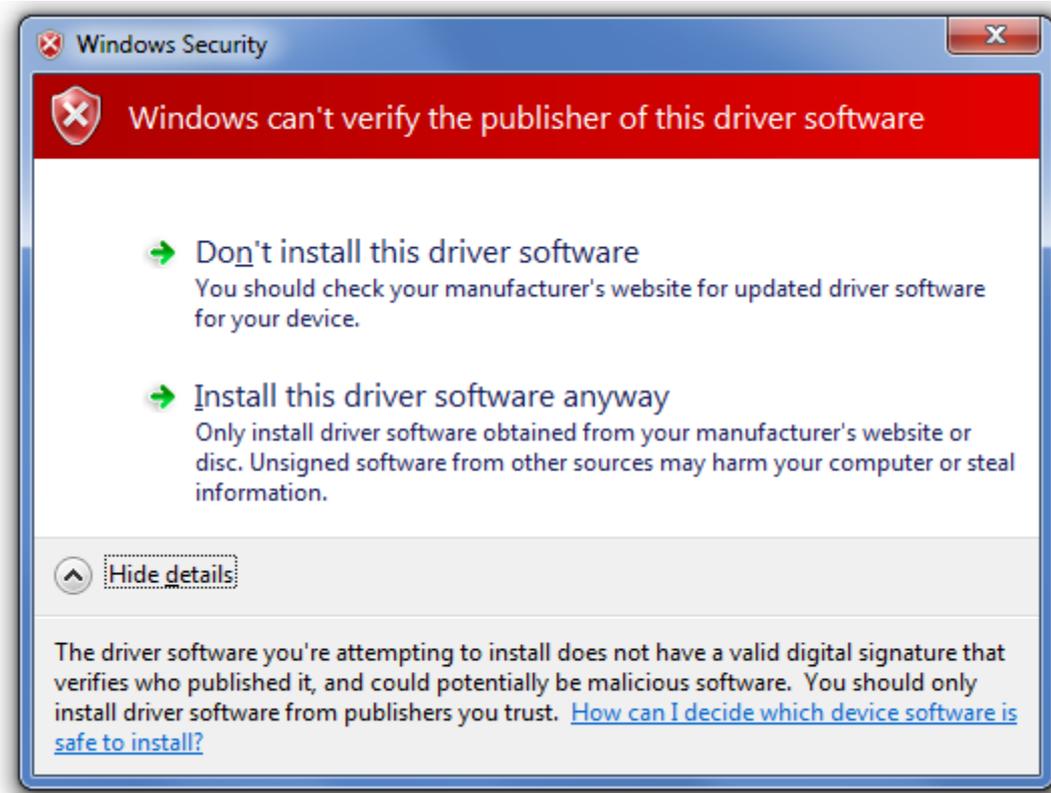
BEFORE YOU START EITHER OF THESE MAKE SURE THE CAMERA IS **NOT** CONNECTED TO THE PC.

If you do not know which version of windows you're running try the dpinst_x64.exe first – if it is not the correct version it will throw an error after which you can try the dpinst_x86.exe instead.
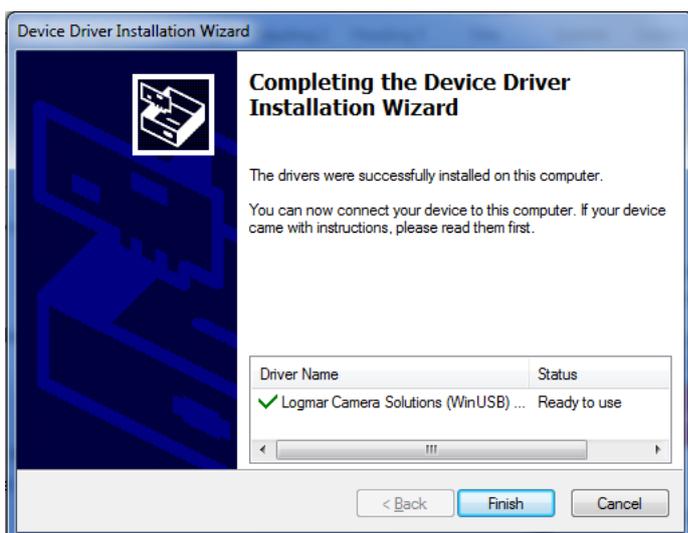
Once the driver update is started, you will see the screen below where you just have to press "Next"

Following this screen, Window security will tell you that the driver cannot be verified please select
"Install this driver software anyway"

The remaining driver installation might take a couple of minutes after which this screen should occur
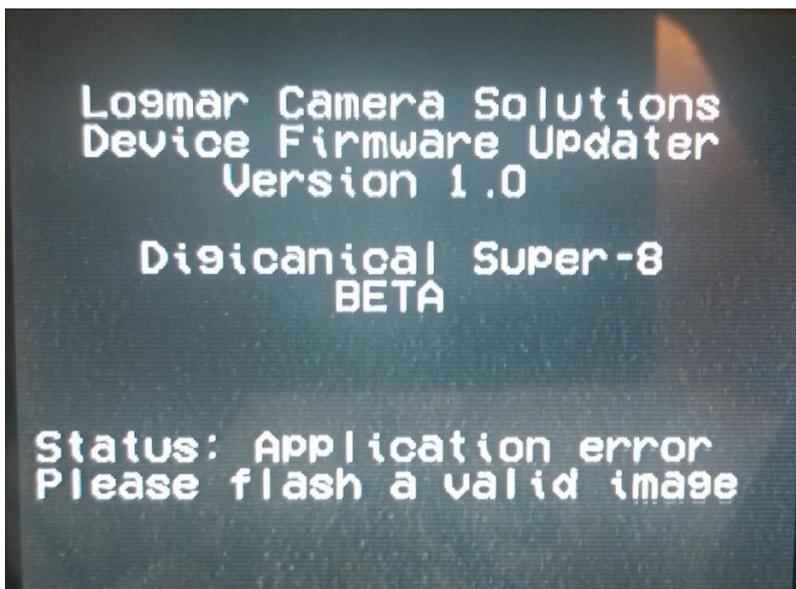telling you that the driver, has been successfully installed.

Initiate firmware upgrade procedure (Boot loader)

1. Make sure the camera is completely turned off and no cables are connected to it
2. Make sure the battery is **FULLY** charged – **NEVER** upgrade without a fully charged battery.
3. Press and hold the FUNC button
4. Press and release the POWER button *(while still holding FUNC all the time)*

5. The camera should now indicate that it is ready for firmware upgrade and you can now let go of the FUNC button.
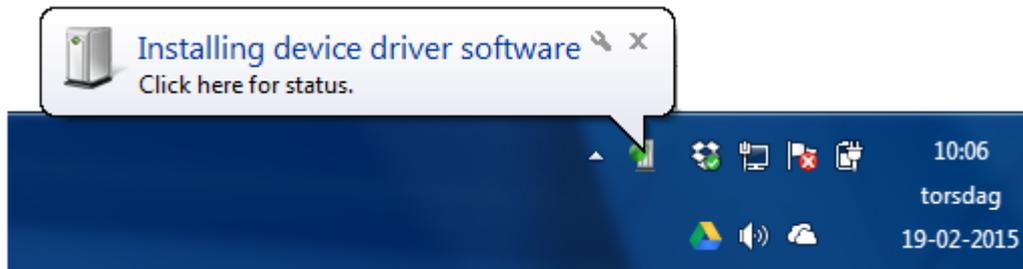

Please note:

The status message reflect the status of the firmware loaded into the camera previously.

The picture on the left shows that the camera firmware is corrupted.

A user should normally never see this "Application error" message.

6. Now you may connect the USB cable and you should see the following windows message:

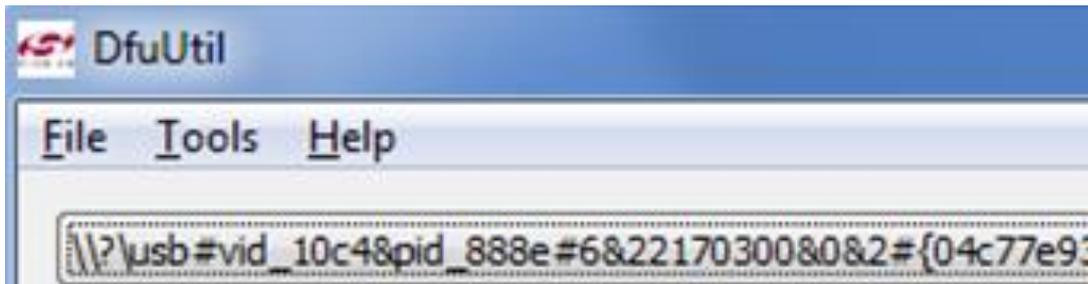After a few minutes windows should have recognized the S8 camera DFU.

Leave the USB cable connected to the camera and proceed to the next chapter
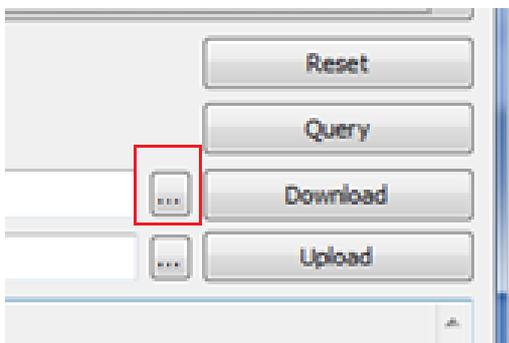
Using the firmware upgrade program:

Unpack the file "Release.zip" to your desktop and run either the Win32 or x64 version depending on which windows version you are running *(This became apparent during the driver installation)*

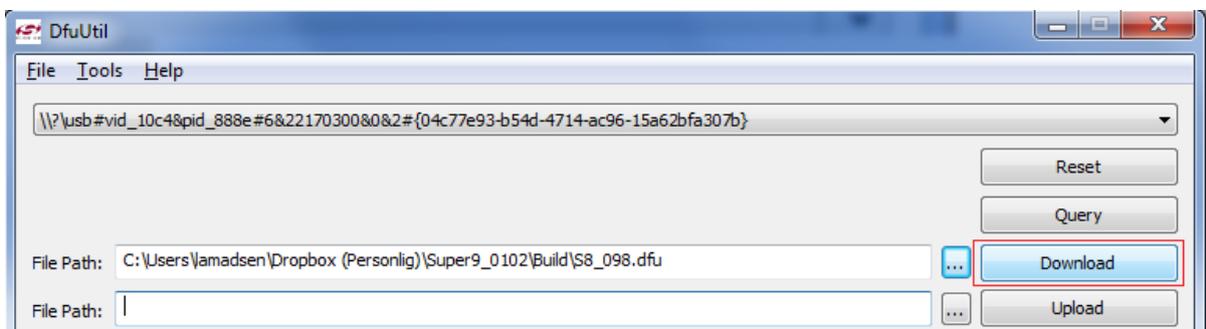Once you have started the **Dfuutil.exe** program you'll see a dropdown box which should show something similar to:

This indicates that the PC program can see the actual camera and that everything is ready.

Press the button next to "Download" with the three dots "…" and select the provided S8_xxx.DFU file which you got from LOGMAR.
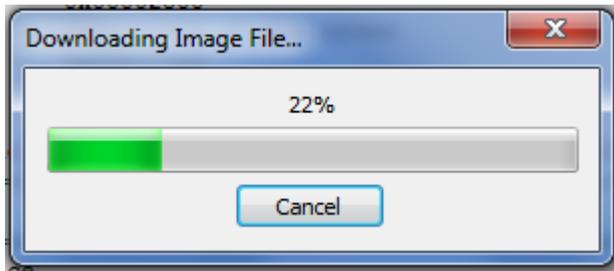

Now you should see a screen similar to the below where you have selected a valid image.

Sometimes the download doesn't start immediately after you press the Download button.

if it doesn't start simply keep pressing the Download button until you see a dialog box like the one below that shows that the camera is loading the firmware.

Once the camera has completed the firmware update, simply press the "Reset" button and the camera should start with the new firmware installed – if it does not simply try this procedure again.

Help!?

If in doubt, please contact Lasse Rødtnes at Lasse@Logmar.dk