

Upgrade to Vdaq 2.4 under Windows NT

Applies to: Imager 3001 systems on Windows NT, running Vdaq 2.1 or older.

Does NOT apply to: Imager 2001 systems.
Imager 3001 systems on Windows XP.

Down time:

If everything goes as planned, you should be up and running in less than an hour. If not... it might take longer.

It is recommended to back up the raid drive to make sure you do not lose important information in case something goes wrong. This process can take some time and lead to more down time, depending on the size of the data that needs to be backed up and the media you use for backup.

Support:

Our support personnel will be glad to help using this guide and if necessary, by phone (contact kaare Christian), to make the process easier.

Avoiding risks and long downtime:

Optical imaging recommends the following steps to assure a safe upgrade and short downtime:

- Back up your raid drive and all other volumes.
- Back up your old installation.

Installation process:

You will need:

- MIL 7.5 from our download site.
- Vdaq 2.3. Downloaded from our site

Before you upgrade:

- Make sure the current installation is working well.
- Run vdaq reg, and if possible save all settings into a file. If that's not possible (older vdaq reg) then write down all settings.
- Make a note of the DMA setup - how many MB for the operating system, how many for MIL, and how many total.
- Save the file Vdaqreg.new, if you have one.
- Preserve the stim protocols.ini file, if you have any custom protocols.
- Save the cameras.ccf file, if you have created any custom cameras.
- Save adaq.ini, if you are using adaq. Put all these on a floppy or cdrom.
- Make sure you have MIL 7.5 and Vdaq 2.4 available.
- To be on the safe side, backup all data files, including files on the RAID drives.

Upgrade:

1. Uninstall Vdaq, MIL = Matrox Imaging Library (and GNL = Genesis native library)
2. Install Matrox imaging libraries & drivers: MIL 7.5
This step is tricky. Follow the instructions carefully. Use the default setting unless instructed to do otherwise.
 - Extract the MIL 7.5 (31MB) file you downloaded from the OI download page to a folder of your choice.
 - Run setup.
 - From the main setup window, in the “Redistribution” frame, select to Install MIL.
 - You will get an error message about MGI drivers, press OK.
 - Press OK when asked to Install GNL. (genesis native libraries).
 - Installed devices: select “genesis LC” and “meteor II dig”.
 - When it asked about DMA memory, select “custom” setting, and enter the following calculated memory amount: Total computer memory (usually 1024MB) – 128MB required for NT = 896MB.
 - If you have more memory, you can assign more to NT or mil, and calculate accordingly.
 - Finish the installation and reboot as required.
3. Install Vdaq 2.4
4. Run Vdaqreg and set the fields to match the info you backed up from the old installation.
5. Run Vdaq and test it.
6. Install the latest Winmix and Winmix utils.
7. Restore all your backed-up files: stimprotocosl.cfg, adaq.ini, cameras.ccf and merge them into the newly installed files, as necessary.