

Windows 7 (Non-Embedded) exacqVision Recovery Procedure

If you have a RAID system and no SSD or mSATA device, create the volume before proceeding:

1. Press Alt-3 to enter the 3ware RAID BIOS.
2. Select **Non-recoverable Array** with the space bar and press the Tab key.
3. Navigate to **Delete Unit** and press Enter.
4. Press Enter to confirm.
5. Select all available drives by navigating to **Direct Attached** and pressing the space bar.
6. Press the Tab key to navigate to **Create Unit**.
7. Set **Array Name** to **Exacq**.
8. Set **RAID Configuration** to **RAID 5**.
9. Set **StorSave Profile** to **Performance**.
10. Navigate to **Advanced** and press Enter.
11. Set **Boot Volume Size** to **57**.
12. Set **Initialization Method** to **Background**.
13. Navigate to **OK** and press Enter.
14. Navigate to **OK** and press Enter again. Confirm write cache by pressing **Y**.
15. Press any key.
16. Press F8 and confirm the array creation.

As a security measure, booting your system from the CD is disabled at the factory. To change this:

1. Start your exacqVision Server
2. At the BIOS startup screen, press F2 to edit the BIOS.
3. The BIOS password has been set to **admin256** at the factory.
4. On the boot menu, enable **Boot from CD** and move the **UEFI Optical** option to the top of the boot order.
5. Save the BIOS settings and exit.

Install Windows 7 64-bit:

1. Insert the Windows 7 64-bit CD into the drive and restart the system.
2. Press any key to boot from CD.
3. Click **Next** and then **Install Now**.
4. Read the license information and select **I Accept the License Terms**. Click **Next**.
5. **Click Custom (Advanced)**.

If installing Windows on a RAID system, you must first load the controller drivers to see the partitions:

exacqVision Support Portal

1. Remove the Windows 7 CD and insert the Exacq Utilities CD.
2. Click **Load Driver** and browse to the Utilities CD
3. Navigate to **\Recovery\Drivers\Current\RAID**, select your **RAID Controller**, and then select **x64**
4. Click OK to load drivers.

Continue the procedure:

1. Press Shift+F10 on the keyboard to open a command prompt.
2. Type **diskpart** and press Enter.
3. To find the drive number of the desired OS Drive, type **list disk** and press Enter. **Note the disk number (X) of the desired operating system drive.**
4. To find the volume letter of the CD drive, type **list volume** and press Enter. **Note the volume letter (Y) of the CD drive.**
5. Type **exit** and press Enter. You should see **X:\Sources**.
6. Type **diskpart /s Y:\Recovery\EFIPart\EFIPartX.txt** and press Enter.
7. Press F5 to refresh the menu and select the Primary Partition labeled **OSDrive**. Click **Next**.
8. When prompted, enter **exacq** as the username and computer name. Do **not** use admin or user as the username. Click **Next**.
9. Enter the password **vision** for the username, retype the password, and enter a password hint. Click **Next**.
10. Enter the 25-character license found on the sticker attached to the system chassis. Click **Next**.
11. Click **Use Recommended Settings**.
12. Select the time zone and date/time information. Click **Next**.
13. Select the **Network** type. Windows then starts up.
14. Remove the Windows 7 CD.

Install motherboard drivers:

1. Click Start and type **devicemgmt.msc** in the Search bar and press Enter. This opens Device Manager.
2. Note the drivers not installed (those with a yellow exclamation point) and close Device Manager.
3. Create a new folder on the Desktop and name it **temp1**.
4. Insert the exacqVision CD.
5. Browse to the CD drive and open the **Recovery\Drivers\Current\Intel** directory.
6. Run the executable beginning with **INF** to install the Intel Chipset support.
7. Click **No** when it asks you to restart your computer.
8. Run the executable beginning with **AUD_Win7** to install the audio drivers.
9. Run the executable beginning with **GFX_Win7** to install the Intel Graphics driver.
10. If a self-extractor pops up, browse to the **temp1** folder on the Desktop and click **Unzip**.
11. Open the **temp1** folder on the desktop and run **Setup**.
12. Click **No** when it asks you to restart your computer.

13. Run the executable beginning with **PROWin7_64** to install the network drivers.
14. Install the drivers and select **Drivers, IntelPROSet, and Advanced Network Services**.
15. Run the executable beginning with **USB_3.0_Win7** to install USB 3.0 drivers.
16. Restart the exacqVision server.
17. If you have a RAID system, install **setupWindows_x64.exe** located in **\Recovery\Drivers\Current\RAID\3Ware-RAID-97xx**.

Partition disks and adjust display settings:

1. Click **Start, Computer, and Open C: Drive** (leave open).
2. Open the Utilities Disk in another window, navigate to **\Recovery**, and copy the entire **Maintenance** folder to **C:**.
3. To partition the rest of the drives, right-click **RUNWinDiskPrep.bat** and select **Run as Administrator**. Close Auto-Play boxes for new drives.
4. Right-click any open space on the Desktop and select **Screen Resolution**. Choose any resolution 1024x768 and higher.

Set up Windows user accounts:

1. Open the **\Recovery\Exacq** folder on the CD and run **UserAccountSetup.exe**. The system will reboot three times during this process.
2. When the system reboots, it automatically logs in as a user. To perform the remaining steps, you must log in as an administrator. Click **Start** and then **Log Off User....** When the login screen appears, choose **admin**. The default password is **admin256**.
3. **Hybrid systems only (skip this step if you have an IP only system):**
 - Click **Start, Computer, and Open C: Drive**.
 - Navigate to **Maintenance**.
 - Right-click on **BoardPrep.bat** and select **Run as Administrator** (requires Exacq Utilities CD).
 - Confirm board type and installation by pressing **Y**.
 - Restart system after installation completes.

Run evSysPrep:

1. Run the **exacqVisionSystemSetup** program from the **\Recovery\Exacq** directory.
2. Click the **Scan Hardware** button and let it detect the hardware.
3. Enter the chassis serial number from the sticker on the side of the box, starting with **ER**.
4. Click **Prepare System** and then restart the exacqVision system.

Install exacqVision Software:

1. Run **RUNME.exe** from the CD.

2. Click **Install exacqVision Server Software**. This installs exacqVision Client, exacqVision Server, and exacqVision Web Service.

For security, you might want to disable booting your system from CD:

1. Re-start your exacqVision system.
2. At the BIOS startup screen, press **F2** to edit the BIOS.
3. The BIOS password has been set to **admin256** at the factory.
4. On the boot menu, disable **Boot from CD**.
5. Save the BIOS settings and exit.