

## Installation and Supported Antivirus Configuration

Installing Antivirus software on a DVR is supported by the manufacturer. We recommend software from [McAfee](#) or [Symantec](#); both have been tested and function well with our DVR's operational parameters. Auto-protection (Live file-system protection) is recommended along with auto-updating via the internet or a network virus definition server. When using auto-update it may be necessary to reboot the DVR for some of the patches/updates to take effect. This is not normally needed during standard virus definition updates, however occasionally Anti-Virus software engine updates occur that require system reboots. In this case, we suggest that if Anti-virus software is installed and configured on a DVR system that a weekly scheduled re-boot is configured through the DVR software. This can be done within the Setup menu on DVRs, for additional information regarding scheduled restarts please consult your operations manual. We do not recommend that the virus software handle the reboot. If a reboot is done without shutting down the DVR software first, damage to the video files will result. The DVR is consistently writing to the hard disk rebooting the system while hard disk writing will result in damaged files. This is also true of doing Windows automatic updates.

We do **not** recommend having the Antivirus software running any scheduled hard disk scans of DATA drives; doing so will hinder the performance of the DVR unit along with other potential problems. The DVR software is CPU and I/O dependant, having Antivirus software scan DATA drives while recording video can cause possible frame loss, e.g. a camera set to record at 20ips will actually record at 15ips during the duration of the scheduled drive scan. The scan of the DATA drives can also create a problem due to the DATA files constantly being updated and written too. The virus software will attempt to re-scan these files after each data change as video is being saved. Due to the above issues we do **not** recommend scheduled or regular scans of data drives.

### Summary of Anti-Virus configuration:

Auto-Protection/Live-Protection/File-System Protection – **ENABLED**

Script Blocking – **ENABLED**

Automatic Live Updates – **ENABLED**

Scheduled DATA Drive Scans – **DISABLED**

Do not have the antivirus software scan the **Data** folders, \*.VDB, \*.VD2, and \*.TO2, files.

Scheduled C: Drive Scans – **USER DEPENDANT** (This can cause above stated resource issues while scanning.)

