



UTC Fire & Security

A United Technologies Company

GE Nav 3.1 Release Notes

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Introduction

This is the GE Nav v3.1 Release Note. Please read this notice in its entirety to become familiar with what's new in the software and its known limitations.

Client Requirements - Hardware

These specifications are meant to serve as a GUIDELINE for customers. GE Nav will perform to varying degrees on lesser or more robust machines.

Minimum Machine

CPU	Intel® Pentium® G6950 processor(3MB Cache, 2.80GHz)
RAM	4GB4 Dual Channel DDR3 SDRAM3 at 1066MHz - 4 DIMMs
Video Card	Integrated Intel® Graphics Media Accelerator HD
Hard Drive	320GB5 - 7200RPM, SATA 3.0Gb/s, 16MB Cache
Network	Intergrated PCIE 10/100/1000
Monitor	1024x768, 32-bit color

Recommended Machine

CPU	Intel® Core™ i5-650 processor(4MB Cache, 3.20GHz)
RAM	3GB2 Dual Channel DDR3 SDRAM3 at 1333MHz
Video Card	nVIDIA GeForce G310 512MB2 DDR3
Hard Drive	500GB5 - 7200RPM, SATA 3.0Gb/s, 16MB Cache
Network	Intergrated PCIE 10/100/1000
Monitor	1024x768, 32-bit color

High-end Machine

CPU	Intel® Core™ i7-920 processor(8MB L3 Cache, 2.66GHz)
RAM	3GB2 DDR3 Tri-Channel SDRAM3 at 1066MHz - 3 DIMMs
Video Card	nVidia® GeForce® 310 512M GDDR3
Hard Drive	500GB5 7200 RPM6 SATA Hard Drive
Network	Intergrated PCIE 10/100/1000
Monitor	1024x768, 32-bit color

Client Requirements - Software

GE Nav supports all of the following Operating Systems and other software components.

Operating Systems	Notes
Microsoft Windows XP Pro SP2 or higher 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Vista SP1 32-bit	Prerequisite to loading GE Nav
Microsoft Windows 7 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Server® 2003 R2 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Server® 2008 R2 32-bit	Prerequisite to loading GE Nav
Other Components	Notes
Microsoft .NET Framework 2.0	Packaged with the installation

Server Requirements - Hardware

This specification is meant to serve as a GUIDELINE for

customers. GE Nav will perform to varying degrees on lesser or more robust machines.

Minimum Machine

CPU	Intel® Core™ i5-650 processor(4MB Cache, 3.20GHz)
RAM	3GB2 Dual Channel DDR3 SDRAM3 at 1333MHz
Video Card	nVIDIA GeForce G310 512MB2 DDR3 Video card is optional depending on whether or not you want to view video from a Client on the Server
Hard Drive	500GB5 - 7200RPM, SATA 3.0Gb/s, 16MB Cache This amount of storage is widely dependant on whether or not the database is being hosted on the Server, the size of the actual database, and whether or not you want to store video on the Server
Monitor	1024x768, 32-bit color The Monitor is optional depending on whether or not you want to view video from a Client on the Server

Server Requirements – Software

GE Nav supports all of the following Operating Systems and other software components.

Operating System	Notes
Microsoft Windows XP Pro SP2 or higher 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Vista SP1 32-bit	Prerequisite to loading GE Nav
Microsoft Windows 7 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Server® 2003 R2 32-bit	Prerequisite to loading GE Nav
Microsoft Windows Server® 2008 R2 32-bit	Prerequisite to loading GE Nav
Web Service	Notes
Microsoft Internet Information Services (IIS) 6.0 or higher	Prerequisite to loading GE Nav
Cassini	Packaged with the installation
Database	Notes
Microsoft's SQL 2005 or Microsoft's SQL Express 2005	Microsoft's SQL Express 2005 is packaged with the installation
Other	Notes

Microsoft .NET Framework 2.0	Packaged with the installation
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Supported DVRs and Firmware

GE Nav supports the following devices and firmware.





Device	Firmware
TruVision NVR40 (TVN40)	4.2.1 Build 53820
TruVision DVR60 (TVR60)	4.0
TruVision DVR40 (TVR40)	V3.0 build 100416
TruVision DVR30 (TVR30)	0453-0329-0552-4723
TruVision DVR10 (TVR10)	2.0 Build 090722 and 2.2 Build 091210
SymDec 16 plus 4	1.46r, 1.47k, 1.51e, 1.52b, and 1.53
SymDec 4	1.47e and 1.48a
SymDec 1	1.47e and 1.48a
SymSafe Pro Series	1.27b, 1.28i, 1.30b, 1.31.b, and 1.32
SymSafe Basic Series	1.27b, 1.28i, 1.30b, 1.31.b, and 1.32
DVSRxU	V2.3 build 091110 (V2.31S)
DVMRE CT (Triplex) Series	5.68a, 5.69, 5.71, and 5.72
DVMRE CT II Series	6.28a, 6.29, 6.31, and 6.32
DVMRE PRO Series	5.68a, 5.69, and 5.71
DVMRE ezT Series	5.68a, 5.69, and 5.71
DVMRE CS Series	5.21
DVMRE CD Series	3.24
StoreSafe Series	5.68a, 5.69, 5.71, and 5.72
StoreSafe Pro II Series	6.28a, 6.29, 6.31, and 6.32
StoreSafe Advanced Series	6.28a, 6.29, 6.31, and 6.32
DSR	2.23d and 2.24a
DVSE Series	1.20g, 1.41w, and 3.04


New Features

- PTZ control via the UltraView Encoder UVE-101 (previously branded the Discovery 105)
- Full dual-streaming from the UltraView Encoder UVE-101 and the UltraView IP Cameras
- Auto-delete video archives on the TVN40
- Storage summary on the TVN40 on a per camera basis which shows frame rate, resolution, quality, bitrate, storage consumption, etc...


- Permission for Live Video only
- Ability to create preset sequences for PTZ Cameras
- Return PTZ Cameras to Tour for certain device types
- Dual Monitor Support
- The Sentence builder in the Navigator Panel has been removed from GE Nav.
- Edit Server, View All Devices, and Search Devices Modes have been removed from the Navigator. Everything is now permission based. For example, if the user has permission to Add a device, then that option will be available in the UI. Otherwise the option will not be available from the UI.
- There is now a Quick Search in the Navigator. It is a rapid text search that highlights the first match in the Navigator tree. Clicking another time on the Search glass or hitting the Enter button will identify the next match in the Navigator tree.
- All tabs have been removed from the Controller and placed in corresponding context menus. The Server configuration menu has been moved from a configuration tab in the controller to a dialog that is accessed by right-clicking on the GE Nav Server node in the Navigator tree, and selecting the “Properties” option from the context menu. Only the Timeline and Playback controls remain in the Controller.



- Views buttons  have been moved into the View drop-down.
- The Timeline Panel has been merged with the Controller Panel. The Timeline Panel has been removed.
- The Center Cursor icon for the timeline has been updated to this  icon.
- The PTZ controls have been moved from a tab in the Controller, to the  icon in the Controller. Clicking this icon will launch a PTZ Control palette.
- Application Settings have been moved to the  icon on the Application Status Bar that opens a new dialog form when it is clicked.
- Help Menu has been moved from the Help Panel to the

 icon on the Application Status Bar that opens a new dialog form when it is clicked. The Help Panel has been removed from GE Nav.


- Notifier panel has been removed from GE Nav. Notifications have been moved from the Notifier Panel to

the  icon on Application Status Bar that opens a new dialog form when it is clicked.

- The Services icon has changed from the  icon to the

 icon in the Application Status Bar.

- A GE Nav Services configuration menu has been added

and can be launched from the Application Status Bar  icon. It opens a new dialog form when it is clicked that shows all of the GE Nav Services, where they are located, their status, and certain actions that can be taken. All the batch files in the Start Menu to Start or Stop the GE Nav services have been removed since you can now do this from the new Service dialog. Please note, if UAC is enabled on Windows Vista or Windows 7, then in order to use this feature you need to launch the GeNavClient using "RunAsAdministrator" option, otherwise you will get an error message stating, that you do not have the sufficient permissions.

- All Device\Camera Configuration menus have been moved from the Controller to dialog forms accessed from right-click context menus on the devices.
- All Device Diagnostics have been moved from the Navigator to dialog forms.
- Disk Analysis has been moved from the Controller to dialog forms.
- All devices now support Disk Analysis. The Disk Analysis UI is unified for all devices. It is a "snapshot" representation of the device data and does not continuously update. The user can launch multiple Disk Analysis windows.
- All Status and error messages have been moved to the Application Status Bar in the Main form of GE Nav.
- The installer language selector has been removed. The installer language will now be auto-detected using the

“Language for non-Unicode programs” Windows setting from the target system as the source on the PC.

Known Limitations

This section describes the known limitations GE Nav v.3.1.

- Protected video is not currently shown on the Disk Analysis results form in GE Nav. The current workaround for this is to view protected video through the DVR’s web interface. To protect and unprotect video, you must use the On-Screen- Display (OSD) from the DVR.
- Windows XP and 2003 Operating Systems will have an active firewall in place that will block, by default, all HTTP web requests used with IIS or Cassini. Therefore, the firewall on the server machine will have to either be disabled or configured for a firewall exception on Port 80.
- GE Nav will install a set of pre-requisites (depending on the installation type) including SQL Express 2005, Cassini Web Service, and .Net 2.0. During uninstall, not all of these components will be removed. Therefore, users may remove these components manually via the Add/Remove Programs function in Windows.
- The server installer will not currently uninstall the SQL Database, which does contain all device connection information, diagnostic snapshots, user / group information, and other data elements. Upon reinstall, the installer will overwrite any existing GE Nav database and replace it with a blank, new instance. Therefore, customers should be aware that this information is still on their server machine after uninstall and prior to a re-install. If a re-install is not planned, users may manually remove the database using SQL Express Management Studio (free download from Microsoft).
- Some enterprise customers may require encryption between client and server. While we do not offer a built-in data encryption feature, we allow the use of SSL Certificates to secure the IIS or Cassini web service. This will apply the same recognized security standard that power on-line commerce and banking. Documentation will

be made available upon request with a detailed procedure for this configuration.

- In case of older DVR connectivity issues, check your Windows System32 folder to see if there is an old WaveReader "WRControlDev.ocx" file there. This will cause DVR connection conflicts for GE Nav.
- Windows Vista and 7 installations may experience issues with the Local Scheduling Service (i.e. video exports, firmware upgrades, bulk configurations, and database backup/restore will not run) on the Client. Refer to the User Manual's Installation section for resolution.
- Changes to the folders and devices made by one user will not become effective for other users with permissions until they logout/login the application.
- Opening video from a Video Loss alert in Notifier (by double-clicking the alert) will seek to current time and not the time of the video loss.
- After an IIS Client-Server Install, you must restart Windows or else GE Nav will throw an exception when you try to login. This is a recommended step that is afforded the user to complete an installation.

Contact information

For contact information, see www.utcfireandsecurity.com

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