# GE Nav v3.0

## The next generation in
## DVR/NVR management

## Overview

GE Nav v3.0 represents the latest advancement in video management software. This single application delivers centralized and remote video management capabilities combined with backward compatibility to accommodate GE DVRs and NVRs. Ideal for LAN or WAN applications, GE Nav v3.0 is well suited for any application incorporating multiple sites and cameras:
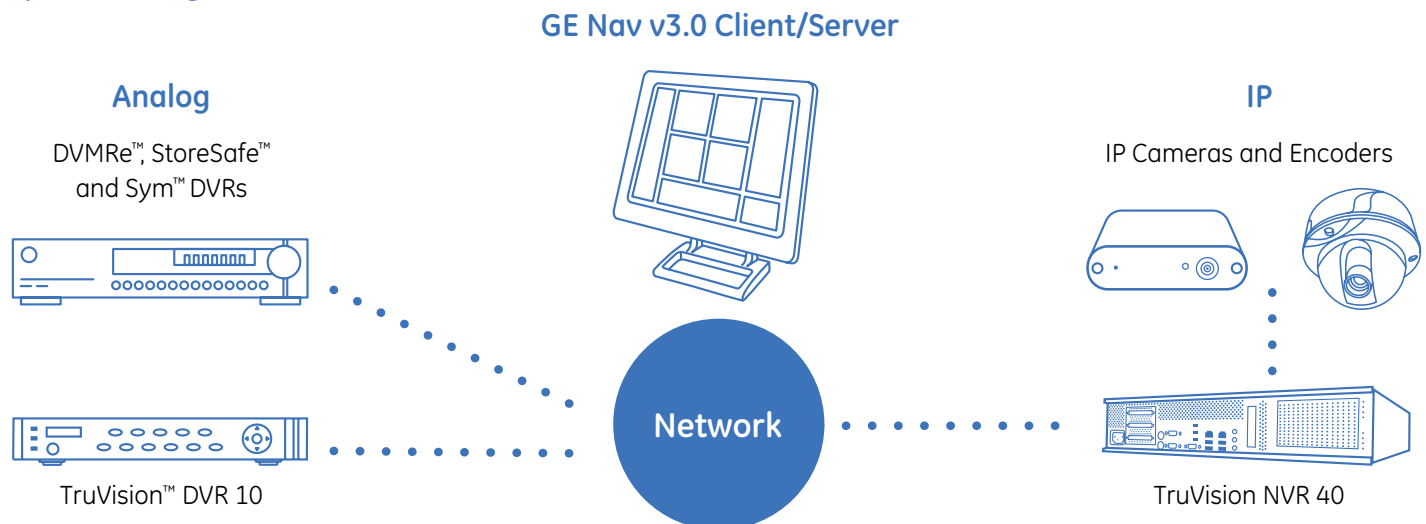
- Schools
- Retail stores
- Geographically dispersed organizations
- Transportation
- Entertainment venues
- Homeland security and public safety

From a single, easy-to-use and reliable GUI, administrators can remotely configure users/groups, DVRs/analog cameras, NVRs/IP cameras and monitor thousands of video surveillance components. At any time, from any location, operators can cost-effectively provide accurate and timely security response. Backed by client/server architecture, GE Nav v3.0 is a fully scalable solution that can support applications ranging from enterprise IT environments down to small, stand-alone systems.

## Standard Features

- Backward and forward compatibility to protect investment in legacy equipment
- Flexible technology, including analog and IP compatibility, meets current and future needs
- Scalable software architecture from enterprise IT to stand-alone systems
- Remote software distribution alleviates need to ship media
- Centralized administration reduces administrative workload and security risk
- Health diagnostic service automatically polls for data to maintain constant system uptime
- Device notifications aid in proper tracking and expedite issue resolution
- Remote device configuration reduces administration time and costly site visits
- Scheduled tasks take place during low-bandwidth hours to optimize capacity during peak-demand times
- Multi-site feature integrates all GE platforms in a single video display
- Custom views allow for user-specified groupings of video streams to deliver the right video at the right time
- Network Time Protocol (NTP) service keeps all system devices synchronized with appropriate time and date
- Evidence Player plays exported video with a max 9-up display, print and snapshot capability, synchronous playback, timeline search, and full-screen mode

## System Diagram

**GE Nav v3.0 Client/Server**

**Analog**

DVMRe™, StoreSafe™ and Sym™ DVRs

TruVision™ DVR 10

**Network**

**IP**

IP Cameras and Encoders

TruVision NVR 40

**System is powerful enough to accommodate either analog or IP camera installations, or a mixture of the two.**

# Key Functions

**Notifier** – Collect and manage any notifications sent from the various devices.

**Navigator** – Provides access to all DVRs, NVRs and cameras in a system with minimal clicks to pinpoint specific video objects.

**Help** – Offers detailed system instructions as well as information on GE Nav versions and copyrights.

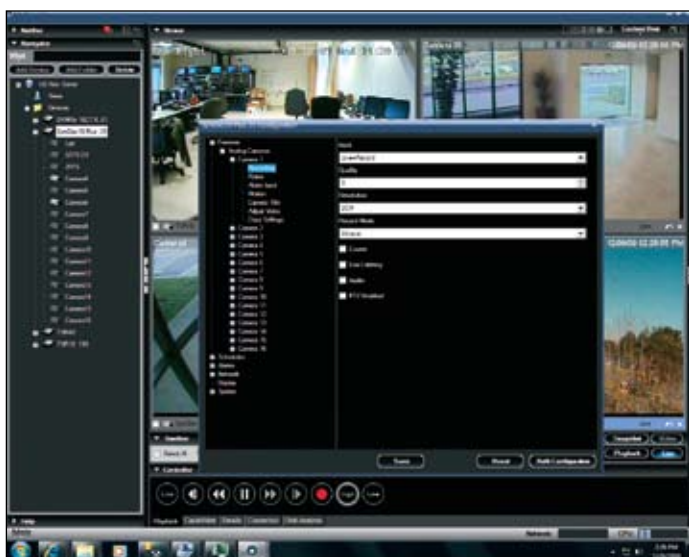**Viewer** – View live and recorded video selected from the Notifier, Navigator or Collector.

**Timeline** – Seek and play recorded video at any point along a pre-selected time interval.

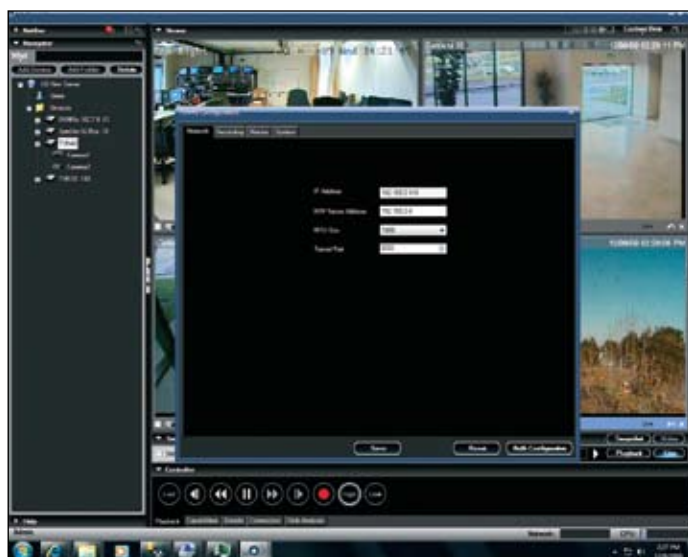**Controller** – View or edit the properties of currently selected objects in the Navigator.

**Collector** – Acts as a holding repository for video segments, snapshots and local recordings ready for export.

**Tasks** – Provides one central place to monitor the progress of the tasks created in the system, such as video exports, firmware upgrades, bulk DVR configurations and database backup and restores.

**GE Nav presents one, common interface to the user no matter what the device or camera type. This greatly improves organizational efficiency by reducing set-up time and minimizing training requirements.**
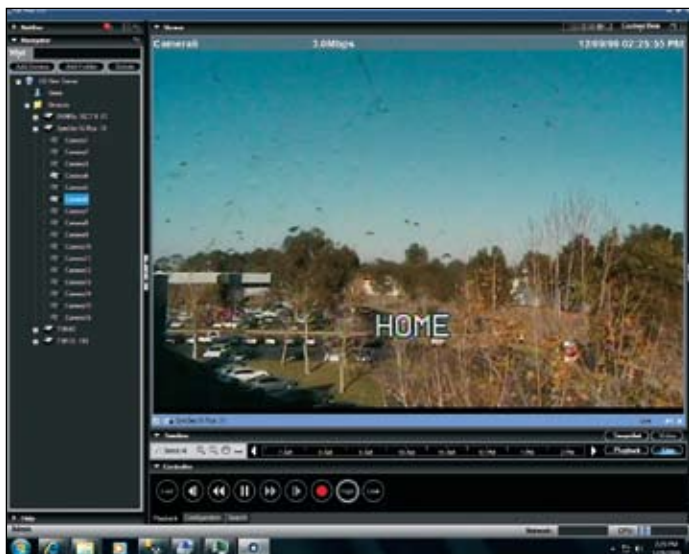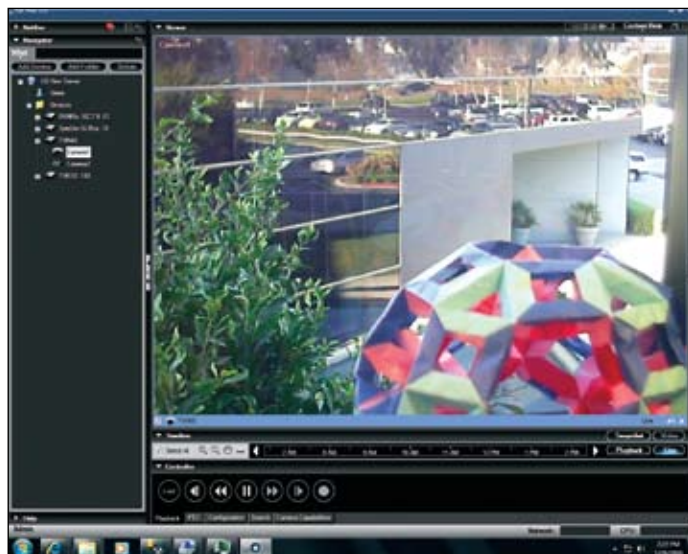


**Configuration DVR**



**Configuration NVR**

For the user, remote configuration of a DVR or NVR is seamless and just 2 clicks away – no need to launch different applications or browsers.



**Live Video DVR**



**Live Video NVR**

Obtaining live video is a double-click away, regardless of the device. Once viewed, snapshots, local recordings, full-screen mode, instant replay, and playback are all afforded with minimal clicks.

## Specifications

### Client Requirements: Hardware

|  | High-end | Recommended | Minimum |
|---|---|---|---|
| CPU | Intel® Core™ 2 Duo Processor, 3.4 GHz, 4MB Cache | Intel® Core™ 2 Duo Processor, 2.33 GHz, 4MB Cache | Intel® Pentium® 4 Processor, 2.8 GHz |
| RAM | 4GB | 2GB | 1GB |
| Video card | 512MB ATI Radeon™ 4800, with Pixelshader capability, Comparable 512MB NVIDIA® GeForce™ 9800 GTX+ | 256MB ATI Radeon™ 2400XT or comparable 256MB NVIDIA® GeForce™ 6200 | AGP or PCI Express, 128MB DDR Memory |
| Hard drive | 200MB | 200MB | 200MB |
| Network | 1000 Ethernet Interface Card | 10/100 Ethernet Interface Card | 10/100 Ethernet Interface Card |
| Monitor | 1280x1024, 32-bit color | 1280x1024, 32-bit color | 1024x768, 32-bit color |

### Client Requirements: Software

- Microsoft® Windows XP Pro SP2 or higher 32-bit (prerequisite) or
- Microsoft Windows Vista Business SP1 32-bit (prerequisite)
- Microsoft .Net Framework 2.0 (packaged with installation)

### Server Requirements: Hardware (minimum)

| CPU | Intel Core 2 Duo Processor, 2.33 GHz, 4MB Cache |
|---|---|
| RAM | 2GB |
| Video card | 256MB ATI Radeon 2400XT or comparable 256MB NVIDIA GeForce 6200 (video card is optional depending on whether or not you want to view video from a client on the server) |
| Hard drive | At least 5GB of storage or more (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) |
| Network | 10/100 Ethernet Interface Card |
| 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

Operating System
- Microsoft Windows Server® 2003 R2 Standard Edition (prerequisite) or
- Microsoft Windows XP Pro SP2 or higher 32-bit (prerequisite) or
- Microsoft Windows Vista Business SP1 32-bit (prerequisite)
- Microsoft .Net Framework 2.0 (packaged with installation)

Web Service
- Microsoft Internet Information Services (IIS) 6.0+ (prerequisite) or
- Cassini (packaged with installation)

Database
- SQL 2005 (however, SQL Express 2005 is packaged with the installation)

### Supported NVRs/DVRs Firmware

| NVR Compatibility* | Supported Firmware |
|---|---|
| TruVision™ NVR 40 | 4.2.1.53820 |

| DVR Compatibility | Supported Firmware |
|---|---|
| TruVision DVR 10 | V2.0, Build 090722 |
| SymDec™ 16 *plus* 4 | 1.46r, 1.47k, and 1.51e |
| SymDec 1 | 1.47e and 1.48a |
| SymDec 4 | 1.47e and 1.48a |
| SymSafe™ Pro 4/8/16 | 1.27b, 1.28i, and 1.30b |
| SymSafe Basic 4/8/16 | 1.27b, 1.28i, and 1.30b |
| DVMRe™ CS Series 4/10/16 | 5.21 |
| DVMRe CT (Triplex) Series 4/10/16 | 5.68a and 5.69 |
| DVMRe Pro Series 4/10/16 | 5.68a and 5.69 |
| DVMRe ezT Series 4/10/16 | 5.68a and 5.69 |
| DVMRe CD Series 4/10/16 | 3.24 |
| DVMRe CT II Series 4/10/16 | 6.28a and 6.29 |
| StoreSafe™ DVR Series 4/10/16 | 5.68a and 5.69 |
| StoreSafe DVR PII Series 4/10/16 | 6.28a and 6.29 |
| StoreSafe DVR Advanced Series 4/10/16 | 6.28a and 6.29 |
| DSR | 2.23d and 2.24a |
| DVSe Series – Storage device | 1.20g, 1.41w, and 3.04 |

*GE Nav v3.0 supports GE and third-party IP cameras via the TruVision NVR 40. For a full list of devices, please visit www.gesecurity.com/truvision.