

Overview

The TruVision™ NVR 40 (TVN 40) is a Network Video Recorder designed exclusively for supporting video streams from IP cameras for live viewing and storage. The recorder seamlessly integrates into GE Nav video management software, giving the ability to blend both IP and analog solutions with TruVision DVRs, SymDec™ and DVMRe™ devices.

The TVN 40 borrows some of the proven hardware and software capabilities of GE Security's UltraView™ Enterprise Video Platform (EVP) devices to deliver reliable performance at an affordable price.

Delivering support for up to 12 or 24 IP video streams, the TVN 40 features 2TB–4TBs of onboard storage in a JBOD configuration. Supported IP cameras include GE Security's IP fixed and PTZ cameras as well as other leading manufacturer models. Enhanced versatility is available for mixed IP and analog applications through the UltraView EVP Encoder 10, a single-channel, H.264 analog encoder. As additional IP cameras are added in GE Nav, they will be supported by the NVR through firmware updates without additional hardware changes.

Events can be triggered from any of the four onboard alarm inputs, as well as from IP-camera-based activity detection. Dual-streaming IP cameras allow the user to define specific IP streams that can be used for live viewing as well as for continuous or event recording to provide optimized performance.

TruVision Line

NVR 40

12 or 24 IP Channel
Network Video Recorder

Standard Features

IP Camera Support

- 12 or 24 cameras based upon model
- GE Legend™ IP PTZ camera, GE CamPlus™ IP, and GE UltraView IP camera support
- Third-party IP and megapixel camera support
- Single- or dual-streaming recording based upon IP camera capabilities
- Supports UltraView EVP Encoder 10 single-channel H.264 encoder

Recording Capabilities

- 2 or 4TBs of JBOD storage (depending on model)
- Continuous or scheduled recording modes
- Event recording based upon native IP camera activity detection or via unit alarm input
- Video stored in the native IP camera format (no transcoding)

Hardware

- Compact rack mountable – 2 RU
- Front-accessible network and power connectivity consistent with IT standards
- 4 onboard alarm inputs

Simple to configure and install

- Configure NVR network settings
- Configure IP camera network settings and activity detection
- Configure IP camera frame rate, resolution and recording settings in NVR via GE Nav



GE Security

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888-437-3287

Asia
T 852-2907-8108
F 852-2142-5063

Australia
T 61-3-9239-1200
F 61-3-9239-1299

Europe
T 32-2-725-11-20
F 32-2-721-40-47

Latin America
T 305-593-4301
F 305-593-4300

gesecurity.com

Specifications subject to change without notice.

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Software Integration Matrix

	TVN 40
GE Nav v3.x	X
Facility Commander™ v2.3	X
Facility Commander Whx v7.5 FP1	X
UltraView™ EVP SDK v4.2.1	X
UltraView EVP VSC v4.2.1	X

IP Camera Support

	TVN 40
GE IP cameras/devices	X
Third-party IP cameras	X

*For a full list of supported cameras, please see the TruVision™ NVR IP device support document at www.gesecurity.com/truvision.

Specifications

Physical	
Dimensions	18.98 W x 3.5 H x 19.5 D in. (482 W x 89 H x 495 D mm) 2U-19" rack mount
Weight	48.2 lbs. (18 kg) with 4 HDDs @ 1TB each
Power supply	300W power supply module
Power consumption	135 Watts
Cooling device	4 fans providing forced cooling air in the system
Operating temperature	32°F to 104°F (0°C to 40°C), max. 90% relative humidity
Unit storage	-4°F to 158°F (-20°C to 70°C)
Conformity	FCC Class B Part 15 (Declaration of Conformity); CE (Declaration of Conformity); European Community EN55022 Class B, EN55024, EN60950, CFR47 Part 15, RoHS

Interface Modules

4 Alarm inputs
2 Digital outputs + 1 RS485/422 port (UltraView EVP only)

Networking

Embedded 10/100/1000 gigabit Ethernet LAN
IP unicast and multi-unicast support (IP MultiCast In UltraView EVP environment)

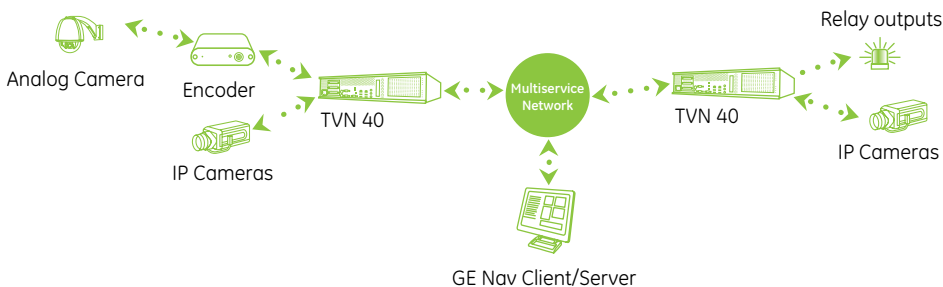
System Monitoring

Remote alarm notification through SNMP/ HTTP, e-mail or pager
Alarm module Audible and visual notification for local system status
CPU monitoring Fan, temperature, watchdog timer, voltage, etc.
Video operating system GE VOS 4.2.1 and above
Device operating system Windows WEPOS

Ordering Information

TVN-4002-12-2T	TruVision NVR 40: Network video recorder supports 12 IP cameras, 2TB JBOD storage, 4 alarm inputs, USA & Europe main power cords
TVN-4004-24-4T	TruVision NVR 40: Network video recorder supports 24 IP cameras, 4TB JBOD storage, 4 alarm inputs, USA & Europe main power cords
TVN-SP40xx-FAN	TruVision NVR spare part: 4002/4004 Individual chassis fan (4 per chassis)

TruVision NVR 40 and GE Nav Configuration



Dimensional Diagram

