

## Overview

The UltraView™ EVP (Enterprise Video Platform) Series is part of a cohesive family of high-performance equipment featuring advanced technology and an open framework that is well suited for enterprise security challenges. The recorder is seamlessly integrated via the UltraView EVP Video Operating System (VOS) shared by other UltraView EVP video recorder/encoder/storage units. This ensures all devices meet the needs of both fixed and mobile platform video applications, as well as provide an integration platform for access control and other industry-specific functions. This all-in-one device is easy to configure and combines both analog and IP video inputs with a variety of functions: digital video encoding, decoding, and streaming with internal or external storage and video content analysis.

A self-contained segment of the UltraView series of products, the UltraView EVP Recorder 40 and 40D is a video-acquisition, data-collection and streaming device for the UltraView EVP Series. Part of a family of multi-function video recorders, the EVP Recorder 40/40D uses the latest and most powerful H.264-SVC compression available for improved video quality, flexibility and efficient bandwidth usage.

Central to the system are the video boards and their analog encoding and decoding capability—the Recorder 40 offers eight or 12 encoding channels and the Recorder 40D offers encoding or decoding for each of the channels and is independently configurable. In addition to the analog video inputs, each chassis can manage 12 IP camera inputs simultaneously. With a simple software upgrade, the video boards also accept extensions and new compression methods for enhanced programmability.

Video storage is available via two or four internal (JBOD/RAID0) video drives. Optionally, storage may be directed to other EVP recording devices and EVP storage servers. Other capabilities such as PTZ camera control, alarm inputs and outputs and IP camera support—along with embedded content analytics including activity detection and camera/system health monitoring—make this one of the most versatile units in its class.

## UltraView™ EVP Series

# EVP Recorder 40/40D

with 12 encoding/decoding video ports



## Standard Features

### H.264-SVC (Scalable Video Codec)

- Latest, most advanced compression standard
- Scalable multi-streaming technology provides more than six simultaneous stream combinations of frame rate and image size
- Supports multiple simultaneous live, recorded and video analytic profiles
- Reduced bandwidth (15–30%) and better image quality compared to MPEG4-ASP
- Same quality from PTZ as from fixed cameras

### A scalable network surveillance solution

- 8–12 independently configurable analog ports PLUS accepts up to 12 IP camera inputs (GE IP cameras and other major manufacturers) or UltraView EVP Series Encoder 10 single-channel encoders
- Hardware encoding only (UltraView EVP 40) or encoding/decoding (UltraView EVP 40D) unit
- 2 or 4 hard drives for internal recording
- All ports simultaneously support 30 FPS (4CIF)
- Simultaneous video content analysis on all analog ports

### Simple to configure and install

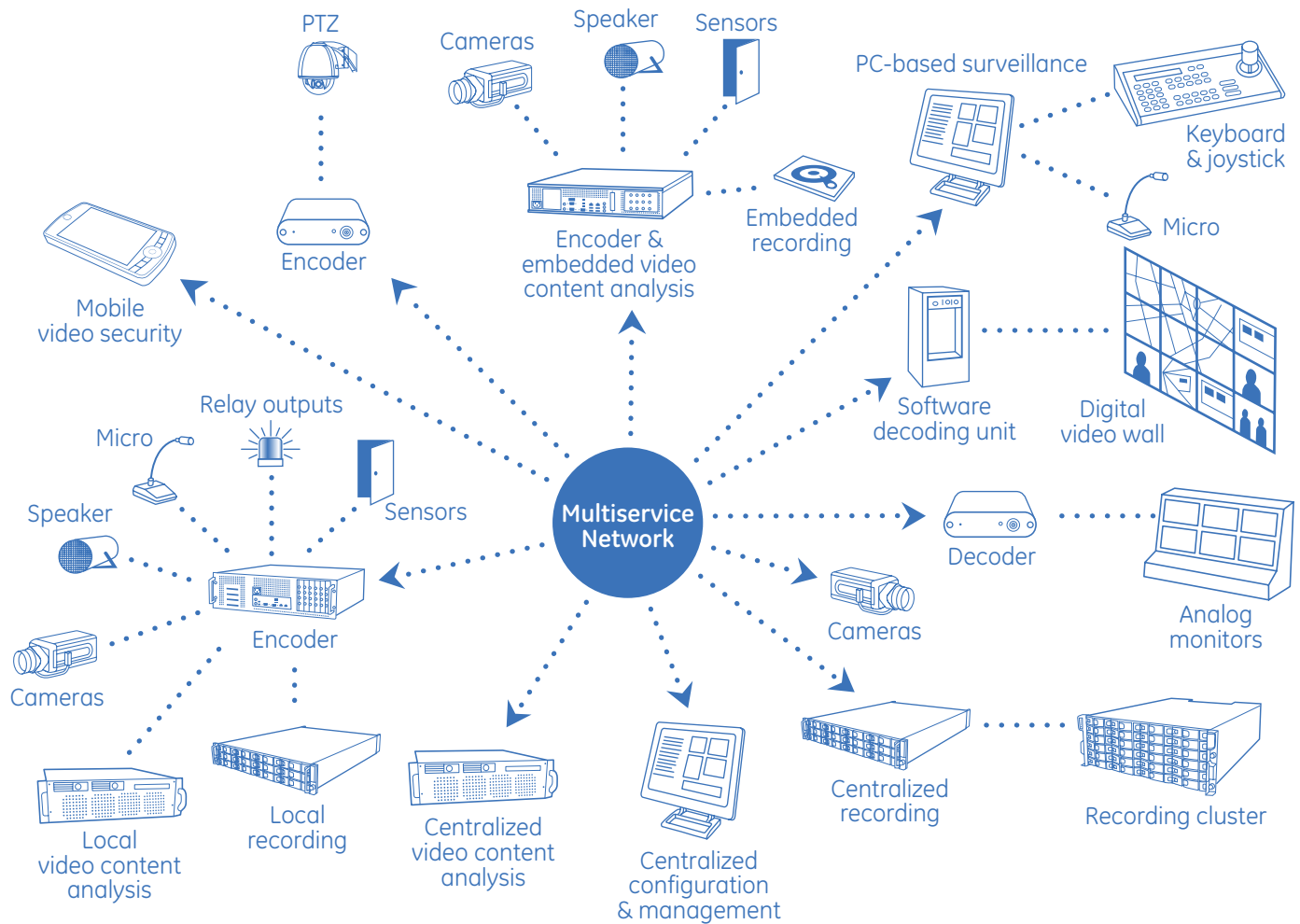
- Remote system-wide configuration with easy-to-use software
- All-in-one device: encode, stream and record for both analog and IP inputs
- Front-panel access to all ports and interfaces
- Compact 2U-19" rack-mountable form factor

### Leverage the power of the UltraView EVP VOS

- Common Video Operating System (VOS) allows all UltraView EVP devices to work together
- Distributed intelligence for more flexibility
- Simultaneous local and centralized storage
- Supports video protection, video redirection (device to device) and authentication
- Supports IP camera integration and management



# UltraView™ EVP Network Configuration



Integration Matrix	UltraView EVP Recorder 40
VSC 4.1.1 and above	X
VOS SDK 4.1.1 and above	X
GE Nav v2	
Facility Commander™ v.2 or higher	X
Facility Commander Wnx v.5 or higher	X

IP Camera Support Matrix*	UltraView EVP Recorder 40
TruVision™ IP Dome (CamPlus IP)	X
UltraView™ IP (CamPlus 2 IP)	X
GE Legend™ IP	X
GE UltraView EVP Series Encoder 10 with analog camera	X
Axis (various models)	X
Panasonic (various models)	X
ACTi (various models)	X

\*New IP makes and models are continually being added. Please check with your GE sales representative for the current list of supported products.

## Specifications

<b>Physical</b>	To assure high maintainability, UltraView™ EVP 40/40D offers front access to all interfaces (power supply, video ports, input/output)
Dimensions	18.98 (w) x 3.5 (h) x 19.5 (d) inches (482 (w) x 89 (h) x 495 (d) mm) 2U-19" Rack Mount
Weight	48.2 lbs. (18kg) with 4 HDDs
Power supply	600W power supply module
Power consumption	135 Watts
Cooling device	4 fans providing forced cooling air in the system
Temperature operating	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, EN60950-1, EN61000-3-2/3, CFR47 Part 15, RoHS
<b>Interface modules</b>	UltraView EVP 40/40D features up to 3 factory-installed modules with various I/Os, PTZ and audio ports (see Price Book for configurations). Each chassis supports a minimum of 1x PTZ port, 4x alarm inputs and 1x relay output.
Serial module	2 serial ports (optional)
I/O module	8 input, 4 output (optional)
Serial-I/O module	1 serial, 4 input, 2 output
Audio module	2 mono inputs and 1 mono output (optional)
<b>System</b>	
Video boards	3 slots for PCI-4 AP video codec boards
Memory	1GB DDR2 RAM
Internal storage	<ul style="list-style-type: none"> <li>1 system HDD</li> <li>2/4 video data HDDs (SATA-2), depending on model</li> </ul>
External storage	Separately order UltraView EVP network SAS Storage Server and other UltraView EVP 40 or 60 Recorders
Serial ports	1 standard RS485/422 9-pin UART serial connector for PTZ camera control
<b>Networking</b>	Embedded dual Ethernet 10/100/1000 gigabit Ethernet LANs <ul style="list-style-type: none"> <li>IP multicast, unicast and multi-unicast support</li> <li>Ethernet/IP CoS support (802.1p/Q)</li> <li>Bandwidth throttling: settable bandwidth limits per channel</li> </ul>
<b>System monitoring</b>	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	UltraView EVP VOS 4.1.1 and above
Device operating system	Windows WEPOS
<b>Video</b>	Latest H.264-SVC compression
UltraView EVP 40	8 or 12 video channels (encode only)
UltraView EVP 40D	<ul style="list-style-type: none"> <li>8 or 12 video channels (encode or decode selectable per channel)</li> <li>Low bandwidth and low latency</li> </ul>
Video format	<ul style="list-style-type: none"> <li>PAL (704x576 @ 25FPS); NTSC (704x480 @ 30FPS)</li> <li>4 BNC composite video @75 Ohm per video board</li> </ul>

## H.264-SVC compression

H.264-SVC compression delivers the best image quality for the bandwidth available in the industry. Unlike other H.264 or MPEG4 compression, GE's codec features true multi-streaming capability. This allows a single encoding process to provide multiple simultaneous combinations (profiles) of image size (4CIF/2CIF, CIF, QCIF) to be extracted at various frame rates. This flexibility means much greater control managing and optimizing bandwidth needs across the network. The scalable H.264-SVC stream also doubles the number of simultaneous video streams that can be displayed on client workstations compared to other H.264 compression schemes.

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F 61-3-9239-1299

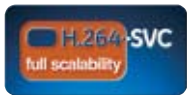
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## Ordering Information

Part Number	Description
UVR-4012-12-2T	UltraView™ EVP Recorder 40 (Discovery 1205): 12 Video Inputs, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output
UVR-4012-12-2T-A	UltraView EVP Recorder 40 (Discovery 1205): 12 Video Inputs, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output, 2 Input x 1 Output Audio Ch.
UVR-4012D-12-2T	UltraView EVP Recorder 40 (Discovery 1205): 12 Video Inputs Encode/Decode, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output
UVR-4012D-12-2T-A	UltraView EVP Recorder 40 (Discovery 1205): 12 Video Inputs Encode/Decode, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output, 2 Input x 1 Output Audio Ch.
UVR-4008-12-2T	UltraView EVP Recorder 40 (Discovery 1205): 8 Video Inputs, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output
UVR-4008-12-2T-A	UltraView EVP Recorder 40 (Discovery 1205): 8 Video Inputs, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output, 2 Input x 1 Output Audio Ch.
UVR-4008D-12-2T	UltraView EVP Recorder 40 (Discovery 1205): 8 Video Inputs Encode/Decode, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output
UVR-4008D-12-2T-A	UltraView EVP Recorder 40 (Discovery 1205): 8 Video Inputs Encode/Decode, 12 IP Inputs, 4x500GB HDD JBOD, (1) Serial Port, (4) Alarm Input, (2) Alarm Output, 2 Input x 1 Output Audio Ch.

*Additional configurations are available; please contact your local GE representative for a complete listing.*

