

# VideoXpert™ Software Distributions

## SCALABLE VIDEO MANAGEMENT AND SURVEILLANCE SOFTWARE

### Product Features

- Available in software-only distribution, for measured performance or convenient migration of customer-owned hardware
- Designed to eliminate single points of failure and ensure reliability through fault-tolerant software, distributed architecture, and multiple levels of redundancy
- Provides scalability and modular expansion
- Provides migration paths for Endura® and Digital Sentry® systems
- Aggregates VMS networks and manage all video through a single system (VideoXpert Ultimate distributions)
- Microsoft® Windows®-based for easy setup and maintenance
- Browser-based administration interface provides management capabilities without a hard client
- Extensible through plug-ins including mapping, video information overlays (eConnect), and license plate recognition (PlateSmart)
- Create and assign tags, organizing network resources as you see fit

VideoXpert is a video management solution designed to fit surveillance operations of any size. Whether your operation has 100 cameras or 10,000, VideoXpert presents a solution to display, record, and manage your video resources.

VideoXpert products are available as software distributions that you can install on your own hardware, even existing video management hardware. This allows you to repurpose your own hardware and bring existing systems forward into VideoXpert.

Designed for Windows platforms, VideoXpert is easy to install, quick to setup, and should be familiar to most users. The system supports unicast and multicast transmission modes, making it easy to adapt to your current network scheme. Simplified interfaces ensure that users can adopt and use the system with relative ease. From the Web-based Admin Portal, you can configure the system, manage the database of devices, configure users and permissions, and assign cameras to recording devices. Through the Ops Center software, operators gain access to high quality video and powerful investigative tools.

VideoXpert servers can be clustered to provide redundancy and scalability within a single environment, enabling the system to grow in tune with your surveillance needs. As you add cameras, users, or recording devices, you can add servers and storage, enabling the system to support the additional resources and perform to your expectations. VideoXpert Ultimate can even aggregate other



- ONVIF compliant: Supports ONVIF S compliant cameras and devices
- Investigation mode enables operators to synchronize video playback and export investigative playlists covering scenes of interest
- Supported languages: German, Spanish, French, Italian, Korean, Polish, Portuguese, Russian, Turkish, Arabic, Japanese, and Chinese (Simplified)
- Workstations available with 3D mouse and programmable keyboard accessories to maximize operator control

VideoXpert systems, tying multiple VideoXpert systems into a single interface. Through aggregation, administrators can build and maintain a concerted video management system containing multiple sites.

As distributed systems, VideoXpert Ultimate and Enterprise architecture ensure that there is no single point of failure that would compromise the system or video recording services. The system is designed with multiple levels of redundancy through sophisticated failover and redundant recording schemes, maximizing system uptime. The architecture allows individual components to continue operating in the event of failures elsewhere in the system.

VideoXpert can integrate with physical security systems and other building systems to deliver situational awareness and control. Built around open standards, VideoXpert includes a complete application programming interface (API), software development kits (SDKs), and dedicated technical support, allowing other systems' manufacturers to develop interfaces leveraging VideoXpert's capabilities. VideoXpert also supports third-party IP cameras, allowing users to choose across hundreds of camera options from Pelco and third-party partners when configuring a system.



by Schneider Electric



International Standards  
Organization Registered Firm;  
ISO 9001 Quality System



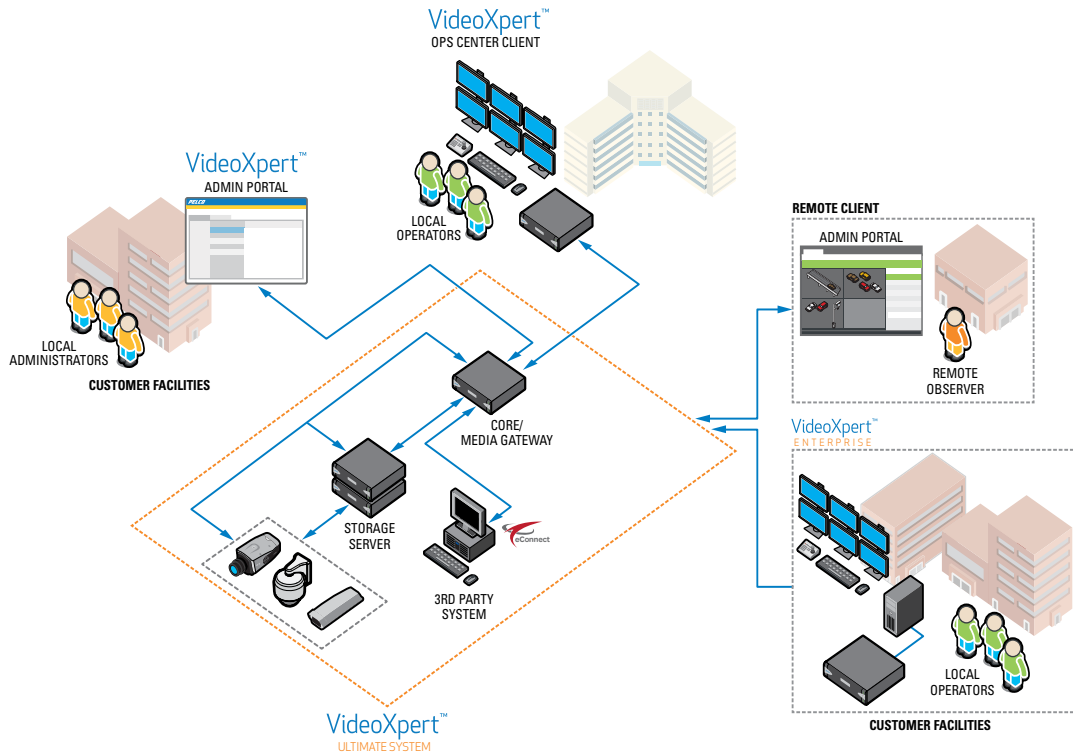
C4037 / REVISED 9-12-16



# TECHNICAL SPECIFICATIONS

## SYSTEM TOPOLOGY

VideoXpert Ultimate allows for expansion at any level of your security environment. Your system begins with a single server running Core and Media Gateway software. Your system requires the OPS Center Clients from which to view video and Storage server for recordings. As your surveillance needs grow, you can add servers to expand modularly within a single environment, or you can aggregate multiple VideoXpert systems to provide a single point of access for distributed video management networks.



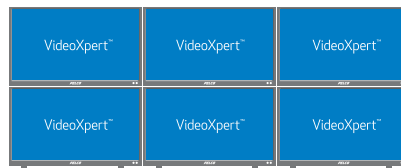
## VIDEOXPRT ACCESSORY SERVER

You can install the VideoXpert Accessory Server to provide NTP, basic DHCP, active failover, and load balancing services for small to moderately sized networks. The Accessory Server offers a native, multipurpose solution to control your time and addressing services from within VideoXpert.

When acting as a load balancer, the Accessory Server bridges multiple Core/Media Gateway (CMG) servers, optimizing performance and providing redundancy for your VideoXpert network. With the Accessory Server, you can easily increase your VideoXpert network's capacity and ensure the system's uptime so that users always have access to video.

## ADVANCED OPERATOR CONTROLS

In addition to the standard keyboard and mouse, Ops Center workstations support an Enhanced Keyboard, and Enhanced Mouse, and the KBD5000. The Enhanced keyboard includes programmable keys to which operators can map shortcuts to their favorite tabs and workspaces; The new Enhanced Mouse or your existing KBD5000 are mapped to the full range of Ops Center controls; an operator can perform any and all operations using either control.



KBD5000



ENHANCED KEYBOARD



ENHANCED 3D MOUSE

# TECHNICAL SPECIFICATIONS

## MINIMUM SYSTEM REQUIREMENTS<sup>1</sup>

	Core/CMG	Media Gateway	Ops Center	Storage
Processor	Intel® Xeon® E3-1275 v3			Intel® Xeon® E3-1276 v3
Memory	32 GB DDR3 ECC	8 GB DDR3 Non-ECC		32 GB DDR3 ECC
Operating System	Microsoft® Windows® Server 2012		Windows 7 Ultimate SP1	Microsoft® Windows® Server 2012
Minimum Storage Required	480 GB	120 GB	120 GB	200 GB
Video System	Intel HD Graphics P4700 or better			VGA interface; VXS models are designed to be configured remotely through web interface.
Interface	Gigabit Ethernet (1000Base-T)			

<sup>1</sup> Software distributions tested without antivirus software installed.

## SOFTWARE LICENSE, SERVER, AND WORKSTATION MODELS

Use the following table to create a model number for your VideoXpert software package. Your model number consists of the distribution you want to choose and the model/software product you want to install. For example, an Enterprise Core licenses is modeled "E1-COR-SW". For VideoXpert Storage and Aggregation features, you must use camera licenses; each camera utilizing Storage or Aggregation will consume a single license (available in single or 32-count packages).

**Note:** Ops Center software does not require a license. You can install the software on any workstation meeting the system requirements.

Due to the complexity of network and system design for larger distributions, VideoXpert Ultimate requires either training certification, or that the installation be performed by Pelco Professional Services. While not required for Enterprise distributions, it is strongly recommended that system installers and administrators be Pelco-certified.

Distribution	Model	Description
E1	BASE	Enterprise base license, including one Core, one Media Gateway, one VXS license, and 32 camera licenses
(Ultimate) U1 (Enterprise) E1	COR-SW	Core software license
	MGW-SW	Media Gateway software license
	VXS-SW	Storage software license
	NSM-1UP	Upgrade license enabling NSM5200 models to support VideoXpert systems
	DSS-1UP	Upgrade license enabling DS servers to serve as recorders within VideoXpert
	1C-SUP1	Software upgrade subscription; entitles you to upgrades for one year
	1C-SUP3	Software upgrade subscription; entitles you to upgrades for three years
	1C	Camera license for VideoXpert Storage (VXS)
	32C	32 camera licenses for VideoXpert Storage (VXS)
U1	AGG-1C	(Optional) Ultimate site upgrade license for managing one camera

## SUPPORTED LANGUAGES

The Admin Portal and Ops Center interfaces are available in:

- German
- Spanish
- French
- Italian
- Korean
- Polish
- Portuguese
- Russian
- Turkish
- Arabic
- Chinese (simplified)
- Japanese

## VIDEOXPRT ACCESSORY SERVER

D09U-ACCSVR	VideoXpert Accessory Server
D09U-ACCSVR-US	VideoXpert Accessory Server with US power cord
D09U-ACCSVR-EUK	VideoXpert Accessory Server with Europe/United Kingdom power cord

## OPS CENTER CLIENT OPTIONAL ACCESSORIES

3DX-600-3DMOUSE	Enhanced 3D Mouse and Joystick
Y-U0023-G910KBD	Enhanced Keyboard
A1-KBD-3D-KIT2	Enhanced Keyboard and 3D Mouse Combination Kit

## STANDARDS/ORGANIZATIONS

- Pelco is a member of the MPEG-4 Industry Forum
- Pelco is a member of the Universal Plug and Play (UPnP) Forum, Steering Committee
- Pelco is a member of the Universal Serial Bus (USB) Implementers Forum
- Pelco is a contributor to the International Standards for Organization / Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), "Information Technology," Subcommittee 29, Working Group 11
- Compliance, ISO/IEC 14496 standard (also known as MPEG-4)
- Compliance, International Telecommunication Union (ITU) Recommendation G.711, "Pulse Code Modulation (PCM) of Voice Frequencies"
- Compliance, Open Network Video Interface Forum (ONVIF) Profile S

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