VideoXpert™ Professional
SURVEILLANCE SYSTEMS FOR SMALL AND MID-SIZED INSTALLATIONS

Product Features

- "VideoXpert in a box" functionality for small to mid-sized sites
- Simple setup / IT-Friendly — designed for Unicast or multicast environments using Microsoft® Windows® for easy configuration and maintenance
- Available in different hardware configurations to support the needs of different sites
- Up to 450 Mbps throughput per recorder
- Supports attached storage (NAS) to extend video retention
- Includes VxToolbox for simple configuration of one or more servers
- Includes pre-defined roles for easy user creation
- Software extensible through plug-ins including mapping, information overlays (eConnect), and license plate recognition (PlateSmart)
- Supports aggregation through a VxUltimate 2.0 system
- Supports ONVIF S compliant 3rd-party cameras and devices

- Investigation mode enables operators to synchronize video playback and export investigative playlists covering scenes of interest
- Monitor multiple VxPro sites with a single client
- Supports shared displays so operators can send video to surveillance personnel who need it most
- A la carte design allows you to order software, hardware with licensing, or a complete solution with loaded hardware and maintenance licensing
- Server models support Dell iDRAC and OpenManage tools

VideoXpert Professional is a video management system (VMS) in a single box, designed for easy setup and robust monitoring in small or moderately sized applications. Designed for Windows platforms, VxPro is easy to install, quick to setup, and provides an intuitive interface that helps operators make sense of video captured by the system.

Available in various tailor-made hardware solutions or in software distributions to support your existing VMS infrastructure, VxPro provides options to ensure you get exactly the Video Management system you need — no more, no less. VxPro provides options to support the throughput you need, and different amounts of storage in RAID 6, RAID 5, or JBOD arrangements to fit your needs for retention, redundancy, and fault tolerance. Software licenses operate in terms of channels, so you don't overpay for the solution you need. The system supports unicast and multicast transmission modes, easily adapting to your network scheme.

Server models also include Dell's iDRAC (integrated Dell Remote Access Controller) platform and support for Dell's OpenManage tools, allowing administrators to remotely configure and support VxPro servers, reducing the need for physical access to the server. Using the iDRAC controller, you can monitor hardware and receive email alerts via SNMP.

VxPro includes VideoXpert Toolbox, an easy-to-use Windows application enabling users to quickly and easily configure an entire network of servers and cameras locally or remotely. VxPro has pre-defined roles, designed around standard surveillance operations, making user creation and assignments quick and easy.

The included VideoXpert OpsCenter client software provides an easy to use interface, so you can use VideoXpert with little to no training. You can operate VxOpsCenter clients in multi-server access mode, allowing one workstation to access multiple servers, scaling your surveillance solution. The client allows you to switch between live and recorded video on the fly, and supports pop-up on alarm functionality, enabling VxPro to alert you to events that require your attention. The VxOpsCenter provides an Investigation Mode, through which you can create playlists from video clips encompassing important scenes. You can then export and encrypt your investigations, storing clips relevant to your investigation for evidentiary safe-keeping and quick access. VxOpsCenter also supports modular plugins, providing integrated functionality from external systems, including informational overlays, license plate recognition (LPR), analytics, and a built-in mapping application.

VideoXpert can integrate with physical security and other building systems to deliver situational awareness and control. Built around open standards, VideoXpert includes a complete application programing interface (API), software development kit (SDK), and dedicated technical support, allowing other systems' manufacturers to develop interfaces leveraging VideoXpert's capabilities. VideoXpert also supports third-party IP cameras, allowing you to choose from hundreds of camera options from Pelco and 3rd-party partners when configuring a system.

PELCO

by Schneider Electric

ONVIF | S

International Standards Organization Registered Firm; ISO 9001 Quality System

ISO 9001 CERTIFIED

C4050 / NEW 6-16-17

PRODUCT SPECIFICATION

NOTE: All specifications subject to change before launch.

HARDWARE		Power Server	Flex Server	Eco Server	Workstation
Form Factor		Rack (2RU)	Tower (5U Rackable)	Tower	
Processor		Intel® Xeon® E5-2620 v4	Intel® Xeon® E3-1230 v5	Intel® Xeon® E3-1220 v5	Intel® Core™ i7-6700
Memory		16 GB		12 GB	
Operating System		Windows® 10 IoT Enterprise 64-bit (LTSB)			
OS Drive		SSD 200 GB	SSD 120 GB		m.2 256 GB
Storage	[1]Max	28 TB (7200 RPM)	28 TB (7200 RPM)	12 TB (7200 RPM)	None
	[2]RAID Level	6 / 5 / JBOD		5 / JBOD	N/A
Optical Drive		DVD+RW			
Dell iDRAC Controller		Included			N/A
USB Ports	USB 2.0	2x Front; 1x Rear	1x Front; 4x Rear	2x Front; 2x Rear	1x Front; 4x Rear
	USB 3.0	1x Rear	1x Front; 2x Rear	2x Front	2x Front; 2x Rear
	USB-C	N/A			1x Front

[1] Maximum storage based on JBOD configuration
[2] RAID level is user configurable

MINIMUM SYSTEM REQUIREMENTS[3]	VxPro Servers	Workstation
Processor	Intel® Core™ i5	64-bit CPU
Memory	16 GB	8 GB
Operating System	Windows® 7 64-bit, Windows® 10 64-bit, or Windows® Server 2012	

[3] Software distributions tested without antivirus software installed.

VIDEO	Power Server	Flex Server	Eco Server	Workstation
Video Outputs	Displayport, DVI			2x DisplayPort, HDMI

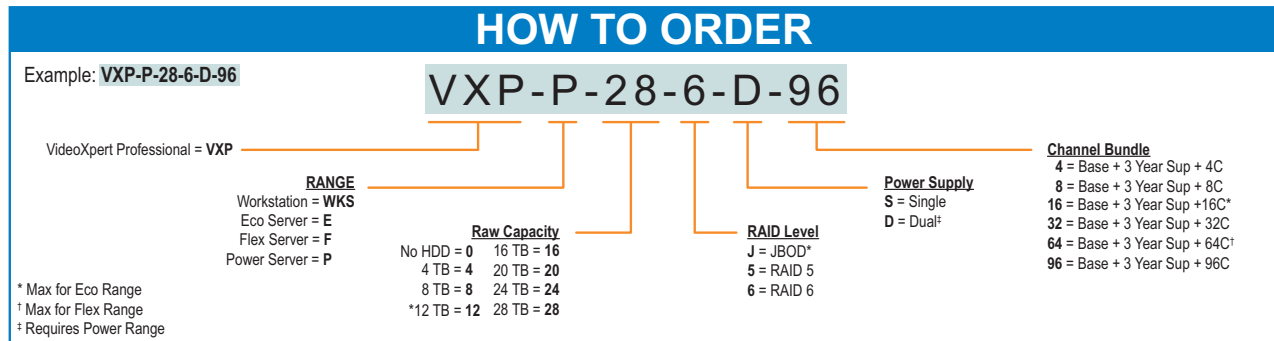| NETWORKING	Power Server	Flex Server	Eco Server	Workstation
Gigabit Ethernet (1000Base-T) ports	4x	2x		1x
Recording Throughput	100 Channels / up to 450 Mbps		64 channels / up to 200 Mbps	N/A

PHYSICAL	Power Server	Flex Server	Eco Server	Workstation
Dimensions (D x W x H)	64.8 x 43.4 x 8.68 cm (26.3 x 17.1 x 3.4 in) without rack ears	55.86 x 21.8 x 43.03 cm (22.77 x 8.58 x 17.04 in)	36 x 17.5 x 43.5 cm (14.17 x 6.89 x 17.12 in)	29.0 x 29.2 x 9.26 cm (11.4 x 11.5 x 3.6 in)
Rack Mounting (RU)	2 RU	5 RU	N/A	

TECHNICAL SPECIFICATIONS

HOW TO ORDER

Use the following table to create a model number for your VideoXpert hardware and/or software package. Your model number consists of the VxPro range, capacity, RAID-level, single/dual power supply, and quantity of bundled licenses. For example, a VxPro Power Server with 28 TB in a RAID 6 configuration with dual power supplies and a 96-channel licenses uses the model number **VXP-P-28-6-D-96**.

The chart below lists the full range of features. Capacity, RAID level, dual power supply, and channel bundle requirements may be limited by the product range you select. Workstations come in a single configuration and do not require capacity, RAID, power supply, or channel bundle designations.

Model	Range	Raw Capacity (TB)	RAID Level (6 / 5 / JBOD)	Power Supply (Single/Dual)	Channel Bundle (Optional)
VXP-P-28-6-S	Power	28 TB	RAID 6	Dual	16, 32, 64, or 96 channels; includes 3 years of support and updates
VXP-P-28-6-S	Power	28 TB	RAID 6	Single	
VXP-P-28-5-S	Power	28 TB	RAID 5	Dual	
VXP-P-28-5-S	Power	28 TB	RAID 5	Single	
VXP-P-28-J-S	Power	28 TB	JBOD	Single	
VXP-P-20-5-S	Power	20 TB	RAID 5	Single	
VXP-P-20-J-S	Power	20 TB	JBOD	Single	
VXP-P-8-J-S	Power	8 TB	JBOD	Single	
VXP-P-0-J-S	Power	0 TB	JBOD	Single	
VXP-F-28-5-S	Flex	28 TB	RAID 5	Single	16, 32, or 64 channels; includes 3 years of support and updates
VXP-F-28-J-S	Flex	28 TB	JBOD	Single	
VXP-F-20-5-S	Flex	20 TB	RAID 5	Single	
VXP-F-20-J-S	Flex	20 TB	JBOD	Single	
VXP-F-8-J-S	Flex	8 TB	JBOD	Single	8, 16, or 32 channels; includes 3 years of support and updates
VXP-F-4-J-S	Flex	4 TB	JBOD	Single	
VXP-F-0-J-S	Flex	0	JBOD	Single	-
VXP-E-12-J-S	Eco	12 TB	JBOD	Single	4, 8, or 16 channels; includes 3 years of support and updates
VXP-E-8-J-S	Eco	8	JBOD	Single	
VXP-E-4-J-S	Eco	4	JBOD	Single	
VXP-E-0-J-S	Eco	0	JBOD	Single	-
VXP-WKS	Workstation	-	-	-	-

SOFTWARE LICENSES

With VideoXpert Professional, you only pay for the devices you want to use with your system. Each camera or audio device in a VideoXpert Pro environment consumes a "channel" license. VideoXpert Professional includes a base license supporting up to 4 devices, so you can quickly get started; you can add additional channel licenses in bundles after that. Use the table below to determine the license packages you will need to support your environment.

License / Camera Count	Description
VXP-BASE	Base VideoXpert Pro license including 4 channel licenses
VXP-1C	1 camera license for VideoXpert Pro
VXP-4C	4 camera license for VideoXpert Pro
VXP-8C	8 camera license for VideoXpert Pro
VXP-16C	16 camera license for VideoXpert Pro
VXP-32C	32 camera license for VideoXpert Pro
VXP-64C	64 camera license for VideoXpert Pro
VXP-96C	96 camera license for VideoXpert Pro
VXP-SUP-1YR	1 Year Software Upgrade Plan, 1CH
VXP-SUP-3YR	3 Year Software Upgrade Plan, 1CH
VXP-SUP-1D	1 Day Software Upgrade Plan, 1CH

SUPPLIED ACCESSORIES

- Keyboard*
- Mouse*
- USB drive containing resource and recovery information
- Rack mount kit (for applicable models)
- Power cord (for applicable models)

*Not included with Power Series (VXP-P) models.

OPTIONAL POWER ACCESSORIES

PWRCRD-S-AR	Standard power cord, Argentina
PWRCRD-S-AU	Standard power cord, Australia
PWRCRD-S-EU	Standard power cord, Europe
PWRCRD-S-UK	Standard power cord, United Kingdom
PWRCRD-S-US	Standard power cord, United States
PWRCRD-R-AR	Round power cord, Argentina
PWRCRD-R-AU	Round power cord, Australia
PWRCRD-R-EU	Round power cord, Europe
PWRCRD-R-UK	Round power cord, United Kingdom
PWRCRD-R-US	Round power cord, United States

VXP-WKS 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

CERTIFICATIONS

- CE (Class A)
- FCC, Part 15 (Class A)
- ICES-0003 (Class A)
- UL/cUL Listed
- C-Tick
- CCC
- KCC
- NOM

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