

This document describes the features, operational issues, and major fixes for VxPro software. Review each section to determine whether or not you should perform updates.



**Note:** For technical issues, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

## Installing the system

If you have multiple drives, or have a designated recording directory, you should perform a custom installation so that you can select your recording directory. Performing a default installation will place your recording directory on the drive with the largest amount of free space.



**Note:** If installing on a JBOD unit, you must go to the VxStorage interface, and add your individual drives as recording volumes. If the drives have been added so that each is its own volume group, you must also assign cameras to the individual drives (as if they were separate recorders).

## Updating your system

When updating your VxPro system, use the latest VxPro installer. This will update all of your installed VxPro components.

Sometimes, .NET updates are needed for elements used within VideoXpert systems because they run on Microsoft Operating Systems. Microsoft might require a reboot when .NET updates are installed.



**Caution:** Copy installers directly to and run them from your system. Pelco strongly recommends that you do not attempt to install VideoXpert from an external drive, such as a USB or network drive.



**Caution:** In order to upgrade to 3.1 or later, your current system must be VxPro v 2.5.x or later. You cannot update to VxPro 3.1 or later from VxPro versions earlier than 2.5.

## VideoXpert Professional v 3.9 / Released June 23, 2020

### Software Versions

- VxPro Bundled Installer v 3.9.0.191
- VxToolbox v 3.9.0.224
- VxOpsCenter and VxPlayer v 3.9.0.398

### New Features and Improvements

- Added the ability to configure Vehicle in Zone Analytics for cameras that are capable of running the Pelco Advanced Analytics Suite based on camera model, camera firmware, and licensing. (VxToolbox) Also added the ability to configure and view associated events. (VxToolbox, VxPortal, and VxOpsCenter)
- Added the ability to configure counter flow detection for people and vehicles on cameras that are capable of running the Pelco Advanced Analytics Suite based on camera model, camera firmware, and licensing. (VxToolbox)
- Administrators can configure confidence filtering on cameras that are capable of running the Pelco Advanced Analytics Suite based on camera model, camera firmware, and licensing. (VxToolbox)
- Using VxPlayer, you can export recordings in .MP4 and .AVI file formats, depending on the recording type and source camera. Audio can be included in the export. For .MP4 files, a timestamp can be included as subtitle text.
- In VxPlayer, a button has been added to switch between sequential playback (one cell shown) and synchronized playback (four cells shown).
- You can apply permissions that specify which monitors (per-monitor) can be controlled by which roles. (VxToolbox, VxOpsCenter)
- You can use the Rules Engine to configure Banner Notifications and Audio Alerts for specific combinations of Events and Devices. (VxToolbox, VxOpsCenter)
- Added the ability to set a maximum number of events to retain for System Event Retention in VxToolbox. For new systems, the default is 10,000 events; for upgraded systems, the maximum is set to the lowest value that does not require events to be deleted (10,000, 100,000, 1,000,000 or 10,000,000); for upgraded systems with more than 10,000,000 events, the maximum of 10,000,000 is applied.
- When using Multi-System Access Mode, you can launch VxOpsCenter client without providing login credentials. This will open VxOpsCenter client (in MSA mode) without connecting to a VX System. When you choose a system to access, you will be prompted for credentials for that system. (VxOpsCenter)
- Operators and Administrators can dismiss the SUP renewal notification for 7 days. (VxToolbox, VxOpsCenter)
- Streaming options default to unicast mode on new installations, but can be changed to multicast mode. This improvement was introduced in VideoXpert v 3.8. (VxToolbox, VxOpsCenter)

### Known Issues

- Due to periodic issues, support for the following cameras/encoders will have limited support in v 3.7 and are no longer officially supported in v 3.8 or newer:
  - NET5300 Series Analog Camera Encoder (sold 2005-2013)
  - IP110 Series Cameras (sold 2007-2011)
  - IP3701 Series Cameras (sold 2007-2011)
  - Spectra Mini IP (SD4N) Series Cameras (sold 2008-2016)
  - Spectra IV IP (SD4N) Series Cameras (sold 2008-2015)  
The Spectra IV IP (SD4E) Series Cameras sold between 2010-2016 is not affected by this notice.

It is recommended that before upgrading your system to version 3.8 or newer, a limited bench test is performed with the newer VX version along with the desired legacy camera(s) to ensure satisfaction with the performance.

- When there is a network disconnection and recording gaps are auto-filled for multiple GFC Multi 4-in-1 cameras, the recording from only one of the cameras is applied to all of the cameras. (VxOpsCenter)

### Test Information

- VxOpsCenter (Shared Display), VxPlayer, and VxPortal have been tested with:
  - Windows 7 Ultimate (6.1.7601 Service Pack 1 Build 7601)
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)
  - Windows 10 Pro (10.0.17763 build17763)
- VideoXpert Professional has been tested with:
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)

## VideoXpert Professional v 3.8.1 Patch / Released April 14, 2020

### Software Versions

- VxPro Bundled Installer v 3.8.1.20
- VxToolbox v 3.8.1.16
- VxOpsCenter and VxPlayer v 3.8.1.15

### Major Fixes

- Optimized rules processing in VideoXpert Pro Server.
- VxToolbox refreshes the video configuration information from Pelco EVO-05 cameras without closing and reopening VxToolbox.
- Corrected an issue where VxToolbox sometimes did not allow changing the bitrate on Axis cameras.
- Corrected an intermittent issue of VxOpsCenter crashing while viewing analytics overlays on some cameras.
- Corrected an issue to enable users to swap streams between a local monitor and an Enhanced Decoder. (VxOpsCenter)
- Corrected an issue that caused VxOpsCenter to incorrectly report that cameras are online when a VideoXpert Professional system goes offline.

### Known Issues

- Due to periodic issues, support for the following cameras/encoders will have limited support in v 3.7 and will no longer be officially supported in v 3.8 or later:
  - NET5300 Series Analog Camera Encoder (sold 2005-2013)
  - IP110 Series Cameras (sold 2007-2011)
  - IP3701 Series Cameras (sold 2007-2011)
  - Spectra Mini IP (SD4N) Series Cameras (sold 2008-2016)
  - Spectra IV IP (SD4N) Series Cameras (sold 2008-2015)The Spectra IV IP (SD4E) Series Cameras sold between 2010-2016 is not affected by this notice.

It is recommended that before upgrading your system to version 3.8 or newer, a limited bench test is performed with the newer VX version along with the desired legacy camera(s) to ensure satisfaction with the performance.

- When there is a network disconnection and recording gaps are auto-filled for multiple GFC Multi 4-in-1 cameras, the recording from only one of the cameras is applied to all of the cameras. (VxOpsCenter)

### Test Information

- VxOpsCenter (Shared Display), VxPlayer, and VxPortal have been tested with:
  - Windows 7 Ultimate (6.1.7601 Service Pack 1 Build 7601)
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)
  - Windows 10 Pro (10.0.17763 build17763)
- VideoXpert Professional has been tested with:
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)

## **VideoXpert Professional v 3.8 / Released March 31, 2020**

### **Software Versions**

- VxPro Bundled Installer v 3.8.0.209
- VxToolbox v 3.8.0.271
- VxOpsCenter and VxPlayer v 3.8.0.682

### **New Features and Improvements**

- Added a system-wide setting to optionally force encryption on exports, and a system-wide setting to optionally use a globally-specified password on exports. This feature does not apply to MSA mode. (VxToolbox, VxPortal, VxOpsCenter)
- VxToolbox simultaneously updates firmware for multiple cameras.
- VxToolbox can create passwords for cameras that do not have initial passwords set. This configuration can be done in bulk.
- Added the ability to configure People in Zone Analytics for PTZ cameras that are capable of running the Pelco Advanced Analytics Suite. (VxToolbox)
- Added video overlays for Object in Zone using the Pelco Advanced Analytics Suite. (VxOpsCenter)
- Added the ability to select the tertiary stream, when available on the camera. (VxToolbox, VxPortal, VxOpsCenter, servers)
- Added the ability to create event-triggered rules to start and stop recordings, and to record a specific group of data sources. (VxToolbox)
- Added support for the updated Spectra Enhanced 7 series 2MPx30 speed dome cameras. (VxToolbox, VxPortal, VxOpsCenter)
- Added support for the new Esprit TI Thermal PT series cameras. (VxToolbox, VxPortal, VxOpsCenter)
- Added SD card notifications from Sarix Enhanced 2 cameras. To use this new feature, you must update to the controlled camera firmware release version 6.4.2.8. (VxOpsCenter)
- Added new user settings for snapshots: font size and color, background, text position. These will apply to all subsequent snapshots made via VxOpsCenter by the specific user. (VxPortal, VxOpsCenter)
- Replaced functionality of the VideoXpert Accessory Server with software in VideoXpert Core that performs load balancing and supports Windows Server DHCP and NTP services. This supports RMF-compliant load balancing.
- Updated browser plugin for VxOpsCenter.
- Added the ability to monitor and view the status of all connected VideoXpert services (Cores, Gateways, databases) on-premises. Users can see online/offline status, and can choose to receive SMS notifications when the status of one or more services changes. (VxToolbox, VxOpsCenter)
- Added full frame-rate and fractional-speed rewind and playback. (VxOpsCenter, VxPlayer)
- Operators can use a QWERTY keyboard to manually cycle through cameras by camera number. (VxOpsCenter)
- Reduced default memory allocation for VxToolbox to 1 GB. Users can configure additional memory for large VideoXpert systems that will persist through reboots and software updates.

## VideoXpert Professional v 3.9 Release Notes

- VxToolbox, VxPortal, and VxOpsCenter software is now available in six more languages: Bulgarian, Croatian, Czech, Hungarian, Polish, and Romanian. These are in addition to the previously available Arabic, Brazilian Portuguese, English, French, German, Italian, Korean, Russian, Simplified Chinese, Spanish for Latin America, and Turkish.

### Known Issues

- When there is a network disconnection and recording gaps are auto-filled for multiple GFC Multi 4-in-1 cameras, the recording from only one of the cameras is applied to all of the cameras. (VxOpsCenter)

### Major Fixes

- Corrected an issue in VxOpsCenter v 3.7 and v 3.7.1, when a camera was disconnected and then reconnected to the network, the camera would not automatically reconnect the live video stream.
- Changed the port range associated with VxOpsCenter UDP Unicast ports to 4502-4900. (This change was implemented in VideoXpert v 3.8; the VideoXpert System Design Guide dated 03/20 reflects the previous range.)

### Test Information

- VxOpsCenter (Shared Display), VxPlayer, and VxPortal have been tested with:
  - Windows 7 Ultimate (6.1.7601 Service Pack 1 Build 7601)
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)
  - Windows 10 Pro (10.0.17763 build17763)
- VideoXpert Professional has been tested with:
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)

## VideoXpert Professional v 3.7.1 Patch / Released December 18, 2019

### Software Versions

- VxPro Bundled Installer v 3.7.1.2
- VxToolbox v 3.7.0.156
- VxOpsCenter v 3.7.1.1
- VxPlayer v 3.7.0.458

### Known Issues

- When there is a network disconnection and recording gaps are auto-filled for multiple GFC Multi 4-in-1 cameras, the recording from only one of the cameras is applied to all of the cameras. (VxOpsCenter)

### Major Fixes

- Corrected an issue from VX 3.5 that occurred when upgrading to VX 3.7. The VxS would stop recording or begin capturing after the upgrade.
- Corrected an issue from VX 3.5 that occurred when upgrading to VX 3.7. In VideoXpert Core, after upgrading, licenses were expired with the expiration year 1970.

### Test Information

- VxOpsCenter (Shared Display), VxPlayer, and VxPortal have been tested with:
  - Windows 7 Ultimate (6.1.7601 Service Pack 1 Build 7601)
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)
  - Windows 10 Pro (10.0.17763 build17763)
- VideoXpert Professional has been tested with:
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)



## **VideoXpert Professional v 3.7 / Released December 10, 2019**

### **Software Versions**

- VxPro Bundled Installer v 3.7.0.267
- VxToolbox v 3.7.0.156
- VxOpsCenter and VxPlayer v 3.7.0.458

### **New Features and Improvements**

- VxToolbox software is now available in English and the following languages: Arabic, Brazilian Portuguese, German, French, Italian, Korean, Russian, Simplified Chinese, Spanish for Latin America, Turkish.
- VxPlayer now supports the same snapshot functionality as does VxOpsCenter, including the naming convention used when saving a file to disk, and the timestamp overlay.
- VxPlayer now support the same FF/RW controls as VxOpsCenter, including fast-forward and rewind speeds up to 128x.
- In VxToolbox, Administrators can set access permissions at the user level for export of recorded video.
- In an aggregated VX environment, users can create an export that contains video from multiple sites.
- Event-triggered recording options have been greatly expanded. New options include: improved filtering of the event list, and configuration to work with certain external events, analytic events, and access events. (VxToolbox, VX Server)
- In VxToolbox, Administrators can activate and view analytic licenses, apply them to supported cameras, and configure and use video analytics.
- VxOpsCenter incorporates high frame rate playback (25/30 ips) for fast-forward at 2x, 4x, and 8x.
- VideoXpert now supports Pelco's new pan/tilt thermal cameras, Sarix Enhanced 3 cameras, Spectra Enhanced G7 cameras. This includes video overlays for Object in Zone Analytics and the ability to configure People in Zone Analytics for PTZ cameras. (VxPortal, VX Server)
- Free integration licenses no-longer expire.
- Administrator and integrators can receive critical notifications from their VideoXpert Systems via SMS notifications at all times and at all locations.

### **Known Issues**

- When there is a network disconnection and recording gaps are auto-filled for multiple GFC Multi 4-in-1 cameras, the recording from only one of the cameras is applied to all of the cameras. (VxOpsCenter)

### Test Information

- VxOpsCenter (Shared Display), VxPlayer, and VxPortal have been tested with:
  - Windows 7 Ultimate (6.1.7601 Service Pack 1 Build 7601)
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)
  - Windows 10 Pro (10.0.17763 build17763)
- VideoXpert Professional has been tested with:
  - Windows 10 Enterprise 2016 LTSP (10.0.14393 Build 14393)



Pelco, Inc.  
625 W. Alluvial, Fresno, California 93711 United States  
(800) 289-9100 Tel  
(800) 289-9150 Fax  
+1 (559) 292-1981 International Tel  
+1 (559) 348-1120 International Fax  
[www.pelco.com](http://www.pelco.com)

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