

VideoXpert Integration - Symmetry Professional

Release Note

RELEASE NOTE
V1.2 | 26-Jul-17

PELCO[™]

by **Schneider** Electric

Contents

- 1. Introduction 3
- 2. Abbreviations 3
- 3. About this Release..... 3
- 4. Version Information 3
 - 4.1. Integration Component Version..... 3
 - 4.2. VideoXpert Version 3
 - 4.3. Symmetry Professional Version..... 3
- 5. System Overview 4
- 6. Installation Manual 4
- 7. User Guide 4
- 8. Feature Matrix..... 5
- 9. Issues and Limitations 6
- 10. References..... 8
- 11. Support..... 9
- 12. Copyright Notice..... 9

1. Introduction

This document is the release note for VideoXpert Integration with Symmetry Professional. The objective of this document is to provide information about the released version of integration component, its features, installation details and known issues.

2. Abbreviations

#	Abbreviation	Definition
1	VMS	Video Management System
2	VX	VideoXpert
3	VxSDK	VideoXpert Software Development Kit
4	ACS	Access control System
5	PTZ	Pan Tilt Zoom

Table 1: Abbreviations

3. About this Release

This release build (v1.2) is feature complete, system tested and production ready.

4. Version Information

4.1. Integration Component Version

#	Component Name	Version	Description
1	VideoXpertSymmetryInstaller.exe	1.2	AMAG Symmetry Access Control Integration driver Installer

Table 2: Integration Component Version

4.2. VideoXpert Version

#	Component Name	Version	Remarks
1	VideoXpert Core	2.0.1.10	Nil
2	VideoXpert Professional	1.0.0.3226	Nil
3	VideoXpert Media Gateway	2.0.0.62	Nil
4	VideoXpert Storage	2.0.1.14	Nil
5	VxSDK	2.0	Nil

Table 3: VideoXpert Version

4.3. Symmetry Professional Version

#	Component Name	Version	Remarks
1	Symmetry Software	8.1	
2	XML Open Integration Module	8.1	

Table 4: Symmetry Professional Version

5. System Overview

The proposed solution is an integration driver for Symmetry Professional security management system. This integration helps Symmetry to connect with VideoXpert. The integrated system provides end user benefit to use any one system to access information from both. Users who are more comfortable with using Symmetry may use the same to access cameras, feeds and events from VideoXpert deployed in the same infrastructure. Users who are more comfortable with VideoXpert, may use Admin Portal or OpsCenter Client to view or acknowledge access control events from Symmetry.

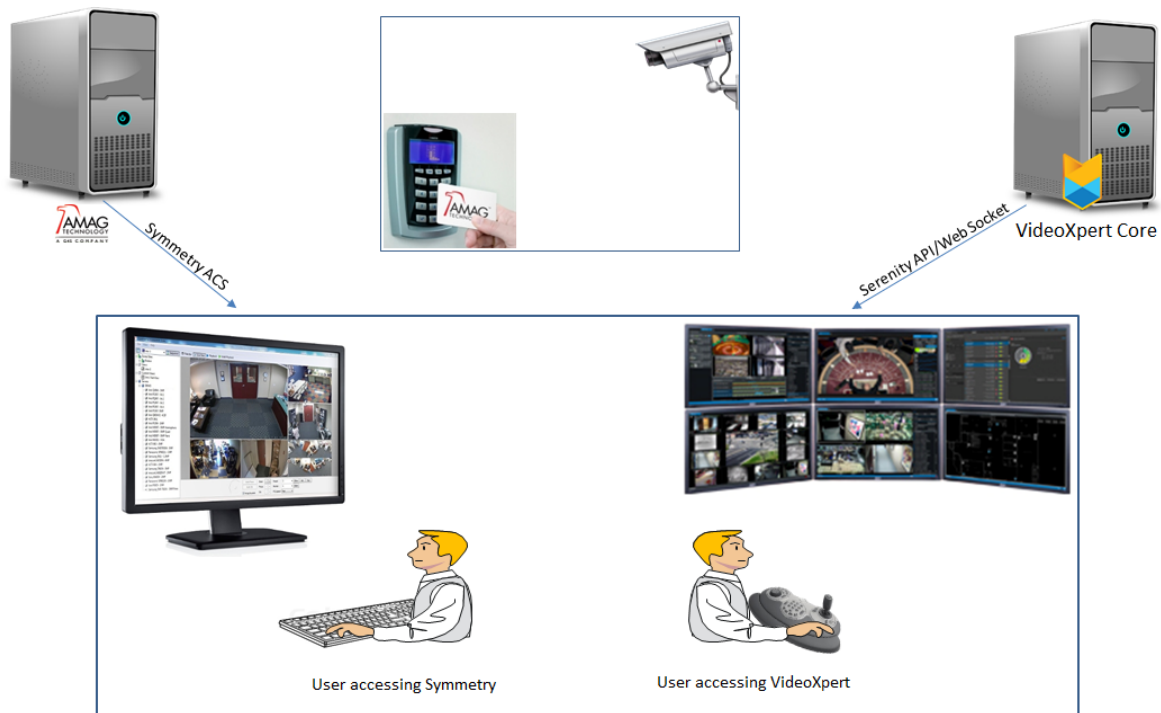


Figure 1: System Overview

Symmetry integration driver extends the capabilities of Symmetry system by integrating VideoXpert's cutting-edge technology. VideoXpert provides live streams and events from various IP cameras that are placed in different entry exit points. The integration driver shall be using VxSDK for all its interfacing needs with VideoXpert.

6. Installation Manual

Refer *VideoXpert Integration - Symmetry Professional [Installation Manual].docx*

7. User Guide

Refer *VideoXpert Integration - Symmetry Professional [User Guide].docx*

8. Feature Matrix

#	Feature	Support	Remarks
1	Register integration	✓	
2	Register the Symmetry integration with VideoXpert.	✓	
3	Inject alarms from Symmetry into VideoXpert.	✓	
4	Inject events from VideoXpert into Symmetry.	✓	
5	Acknowledge VideoXpert events from Symmetry.	✓	
6	Acknowledge Symmetry alarms from VideoXpert.	✓	
7	Provide live/playback video, snapshots and exported video from VideoXpert to Symmetry.	✓	
8	Provide control of PTZ cameras to Symmetry.	✓	
9	Login to VideoXpert from Symmetry	✓	
10	Import Cameras	✓	
11	View Live video from Pelco cameras	✓	
12	View playback from Pelco Recorders	✓	
13	Playback commands (Pause, Rewind, Forward, Seek)	✓	
14	Export Video	✓	
15	Snapshot of a video	✓	
16	Pan-Tilt-Zoom operations	✓	
17	Executing Presets	✓	
18	Create and Execute Video Tours	✓	
19	Receive events from VideoXpert	✓	
20	Video query	✓	
21	Receive & acknowledge Video alarms(motion, analytics, physical alarms) from VideoXpert to Symmetry using XML Open Integration module	✓	
22	Receive & acknowledge video loss (online/offline) events from VideoXpert to Symmetry using XML Open Integration module	✓	
23	Receive & acknowledge alarms and events from Symmetry to VideoXpert using XML Open Integration module	✓	
24	Log information and errors	✓	
25	Manage PTZ Presets	X	Not supported in VxSDK 2.0

26	Manual Recording	X	Not supported in VxSDK 2.0
27	Frame by frame forward and Reverse	X	Not supported in VxSDK 2.0
28	Network Display Support	X	Not supported in VxSDK 2.0
29	System Auto Discovery	X	Not supported in VxSDK 2.0
30	Audio support	X	Symmetry doesn't support this feature. Exporting Video from audio enabled camera may fail.
31	Toggle Wiper	X	Symmetry doesn't provide any UI or interface for this functionality Not supported in VxSDK 2.0
32	Include overlays in Export	X	Symmetry doesn't provide any UI or interface for this functionality Not supported in VxSDK 2.0
33	Event injection through from VideoXpert to Symmetry using DV Plugin	X	Not Implemented

Table 5: Feature Matrix

9. Issues and Limitations

Installer

- Repair feature is not under current scope and not tested in this version.

VideoXpert Symmetry DV Plugin

- Playback video with an invalid start time and valid end time will not work.
- Playback video will not work if audio is recording along with video.
- Seeking to a video gap will stop the stream at last position and user have to restart stream.
- Event property pop up window in VideoXpert EventMapper is not able to close until SnoozeInterval property is set.

- After installation user have to manually register the plugin by executing “C:\Program Files (x86)\Security Management System\Plugins\VideoXpert Symmetry Integration Driver\Scripts\SymmetryRegister.bat”.
- If events are not listed in Symmetry make sure the VideoXpertEventInjector is running.
- The “endpoint address” filed in VideoXpertEventInjector should be configured manually to use the machine where the XML Open Integration Module is installed.
- Event status updated in VX Admin Portal is in inactive state until the properties is filled in VideoXpert EventMapper.
- While executing PTZ functionalities the operations shall take some time (2 - 5 seconds) to reflect in video stream.
- If the user is not connected to VideoXpert system and tries to stream video then the plugin shall trigger an auto connect, so it shall take some time to start stream.
- User will get an error message if trying to connect using invalid IP address. Even though user will be able to save the server details.
- If the user is not connected to VideoXpert system and tries to view camera properties then the plugin shall trigger an auto connect, so it shall take some delay to load forms.
- Bookmark feature is implemented in Symmetry and not under the plugin’s scope.
- Recording gaps will be shown as separate clips in “Video Playback “window.
- Stopping multiple streams at once shall take some delay to close the Video Player dialog.
- During export from symmetry if user tries to delete the export from VideoXpert (e.g.: using OpsCenter), the export may crash.
- If the user is not connected to VideoXpert system and tries to open Video Server page, then the status of the device shall show as “Unknown”.
- Adding multiple VideoXpert systems is not supported.
- If VideoXpert system is connected and any changes in VideoXpert devices like camera goes offline or removed, Changed IP etc., then user have to remove all the cameras from the **Pelco Camera** list and reconnect the VideoXpert and need to import the camera once again.
- Only online camera shall be listed in the **Pelco Camera** list while connecting to VideoXpert.
- Symmetry doesn’t allow special characters to enter into the Password field of **Install-Digital Video Device-Pelco Video Server** window. It is highly recommended to create a user in VideoXpert AdminPortal with password not having special characters.

Symmetry Professional

- When alarm-triggered recordings overlap, Instant Replay starts from wrong time. Work around to play from a specific start time, Ctrl-drag the clip into the cell after the playback window appears.
- Camera number starts from 3 instead of 1.
- Camera IP address displayed is the IP address of the recorder and not the camera’s actual IP.
- Updates within one virtual matrix are not automatically refreshed in the other until the matrix is closed and re-opened.

- After clearing all configurations and uninstalling the Pelco VideoXpert integration driver, 'Pelco Video Server' is still an option in Install -> Video & Audio -> Digital Video and causes Symmetry to crash when 'New' is clicked.
- After installing a camera with a camera number of 9999, subsequent cameras will alternate between a correct camera number and an invalid number.
- Command center filters: The filtering on the recording status of digital video cameras is specific to Symmetry's own NVR, reporting of recording status for 3rd party video servers/recorders is not supported.
- When playing user recorded video, "Skip to Next" feature does not work.
- Exporting of video from 3rd party video servers/recorders is not supported.
- The NVR Status screen at Maintenance->Video->Video Status does not include information about cameras connected to DVRs.
- If a Symmetry client loses communications with the Symmetry server, the client may become unresponsive for up to 10 minutes.
- Deleting the camera with the lowest Symmetry camera number, Symmetry will not reuse that camera number for the next camera added.
- With no archive server setup, the Reports->History->Video Archive Audit shows an archive date of '12/31/1991 16:00' for all cameras.
- Time zones cannot be set on a camera-by-camera basis, only for the recorder (VideoXpert) as a whole.
- Occasionally, when deleting cameras, Symmetry will crash.
- Occasionally when executing PTZ commands symmetry will crash.
- Symmetry Privacy Zones are not supported.
- Occasionally, when stopping the SMS services on the server, 'SMS Integration Server' hangs in a 'Stop Pending' state.
- Switching from 2x2 matrix to single quadrant view does not work.
- Symmetry video SDK doesn't support audio.

10. References

#	Documents/Inputs	Description
1	Discussions	Technical and requirement analysis discussions between all internal and external stakeholders.
2	VideoXpert SDK	Documentation of VideoXpert SDK
3	AMAG-Symmetry-Software-User-Guide-issue-8.0.1.pdf	User Guide of AMAG Symmetry software.
4	XML Open Integration Module Installation and User Guide, issue 8.1.0.0.pdf	User Guide of XML Open Integration module.
5	VideoXpert integration experience	Learnings from the development and testing of VideoXpert integration modules.

Table 6: References

11. Support

If the instructions provided fail to solve your problem, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international) for assistance.

12. Copyright Notice

© Copyright 2017, Pelco, Inc. All rights reserved.

REVISION HISTORY

Version	Date	Description	Amended By	Approved By
0.9	11-Apr-17	Initial Draft	Amaljith T M	Vijo Varghese
1.0	17-Apr-17	Updated with Review Comments	Amaljith T M	Vijo Varghese
1.1	28-Apr-17	Updated	Amaljith T M	Vijo Varghese
1.2	26-Jul-17	Updated for release	Arun C B	Vijo Varghese



Pelco by Schneider Electric 3500 Pelco Way Clovis, California 93612-5699 United States
USA & Canada Tel (800) 289-9100 Fax (800) 289-9150
International Tel +1 (559) 292-1981 Fax +1 (559) 348-1120
www.pelco.com www.pelco.com/community