VideoXpert & Digital Sentry Integration - AccessXpert
User Guide
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1. Introduction

This document is the user guide for VideoXpert & Digital Sentry Integration with AccessXpert. The objective of this document is to provide information about the system usage, functions, configurations and known issues.

2. Abbreviations

<table>
<thead>
<tr>
<th>#</th>
<th>Abbreviation</th>
<th>Definition</th>
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<tbody>
<tr>
<td>1</td>
<td>VMS</td>
<td>Video Management System</td>
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<td>2</td>
<td>VX</td>
<td>VideoXpert</td>
</tr>
<tr>
<td>3</td>
<td>VxSDK</td>
<td>VideoXpert Software Development Kit</td>
</tr>
<tr>
<td>4</td>
<td>DS</td>
<td>Digital Sentry</td>
</tr>
<tr>
<td>5</td>
<td>ACS</td>
<td>Access Control System</td>
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<tr>
<td>6</td>
<td>PTZ</td>
<td>Pan Tilt Zoom</td>
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Table 1: Abbreviations

3. Version Information

3.1. Integration Component Version

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<th>Component Name</th>
<th>Version</th>
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Table 2: Integration Component Version

3.2. Digital Sentry Version

<table>
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Table 3: Digital Sentry Version

3.3. VideoXpert Version

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<th>Version</th>
<th>Remarks</th>
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<td>VideoXpert Core</td>
<td>2.0.0.213</td>
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<td>2</td>
<td>VideoXpert Media Gateway</td>
<td>2.0.0.62</td>
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<td>3</td>
<td>VideoXpert Storage</td>
<td>2.0.0.99</td>
<td>Nil</td>
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<tr>
<td>4</td>
<td>VxSDK</td>
<td>2.0</td>
<td>Nil</td>
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Table 4: VideoXpert Version

4. System Overview

The proposed solution is an integration driver for AccessXpert to enable interaction between AccessXpert and VideoXpert or Digital Sentry. This integration brings in opportunity to end users by extending AccessXpert software’s Video Management capabilities using VideoXpert or Digital Sentry functionalities such as live and recorded streaming, PTZ functionalities, snapshots and exports. VideoXpert and Digital Sentry provides live streams from various IP cameras that are placed at access control points. The
integration driver shall be using VxSDK for all its interfacing needs with VideoXpert and Client SDK for interfacing with Digital Sentry.

Figure 1: System Overview

5. Installation Manual
Refer VideoXpert & Digital Sentry Integration - AccessXpert [Installation Manual].docx

6. System Operations

6.1 System Start up

After the complete installation, add the VideoXpert or Digital Sentry in AccessXpert and import cameras using the following steps.

6.1.1 Import camera

1. Login to AccessXpert using valid credentials.
2. Select the “Video Management” tab and click on “Cameras”
3. Click on “Add Cameras” and select “Pelco Digital Sentry & VideoXpert”

![Figure 4: Add Cameras](image)

4. Click on “Import Cameras”.

![Figure 5: Import Cameras](image)
5. Login to VideoXpert or Digital Sentry with valid credentials.

![Figure 6: VMS Login](image)

6. Connecting to the VMS will automatically import all the cameras connected in that VMS. Logging in to VideoXpert will open a Stream Configuration window as shown in the Figure 7.

![Figure 7: Stream Configuration](image)
7. Click on "Save" to save the listed cameras in AccessXpert.

![Figure 8: Camera list](image)

6.1.2 Live and PTZ functionalities

1. After importing the cameras, it will list under the cameras section as shown in the Figure 9.

![Figure 9: Saved Cameras](image)
2. Select any camera and right click and select "Launch Video Player". Live video of the selected camera will be played. Refer Figure 10

3. **Controls:** The controls in right bottom side of “Video Player” contains the PTZ controls. The pan, tilt and zoom functionalities shall be executed by moving the up, down, left or right arrows and zoom in/out controls.

![Live Video](image)

**Figure 10: Live Video**

6.1.3 Playback

1. Click on the settings button on the left top corner of “Video Player”. Select “Playback” from the “Mode” menu.
2. Specify the “Start” and “End” time for playback.
3. Click on "OK" button.
4. Playback video will be played. Refer Figure 13

![Playback Video](image.png)

Figure 13: Playback Video

6.1.4 Export

1. Click on "Export Clip" to export a Video clip.
2. Browse the desired location and Name the Exported Clip to be saved.

3. Click on “Save” button.

4. Exporting progress will be shown as in Figure 16
5. After the successful completion of Export, it will be saved in the specified location.
6.1.5 Live Snapshot

1. Select the “Mode” as “Live” from Settings button.
2. Click on “Take Snapshot” button.

3. Browse the desired location and Name the Snapshot to be saved.
4. Click on “Save” button.
5. After the successful completion of Snapshot, it will be saved in the specified location.

6.1.6 Playback Snapshot

1. Select the "Mode" as "Playback" from Settings button.
2. Specify the "Start" and "End" time for playback and click on "OK" button.
3. Click on "Take Snapshot" button.

4. Browse the desired location and Name the Snapshot to be saved.
5. Click on "Save" button.
7. System Configurations
Nil

8. Issues and Limitations

- During Playback from Digital Sentry, Play speed will be -2x for reverse playback and it will change to 2x while fast forwarding from that speed.
- ClientSDK have a known issue that ControlPointCache.xml should be present in the folder C:\Users\<User name>\AppData\Roaming for proper functioning of ClientSDK. The integration driver creates a default file if there is no such file exists in the host machine.
- Events and Bookmark feature is not under the plugin’s scope.
- During export from AccessXpert if user tries to delete the export from VideoXpert (e.g.: using OpsCenter), the export may crash.
- Export file in VideoXpert integration shows “Unable to open the input file” when opened in video players. But closing the error dialog will play the export file.
- In Digital Sentry, when playback is completed clip will reset to the initial position.
- Integration installer does not support repair and upgrade. User should perform a clean installation.

9. Troubleshooting Steps
Nil

10. References

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Table 5: 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.
## REVISION HISTORY

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<td>Vijo Varghese</td>
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