



VideoXpert 3.x Integration
Vaxtor ALPR

Installation and Operation Guide

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Vaxtor Middleware

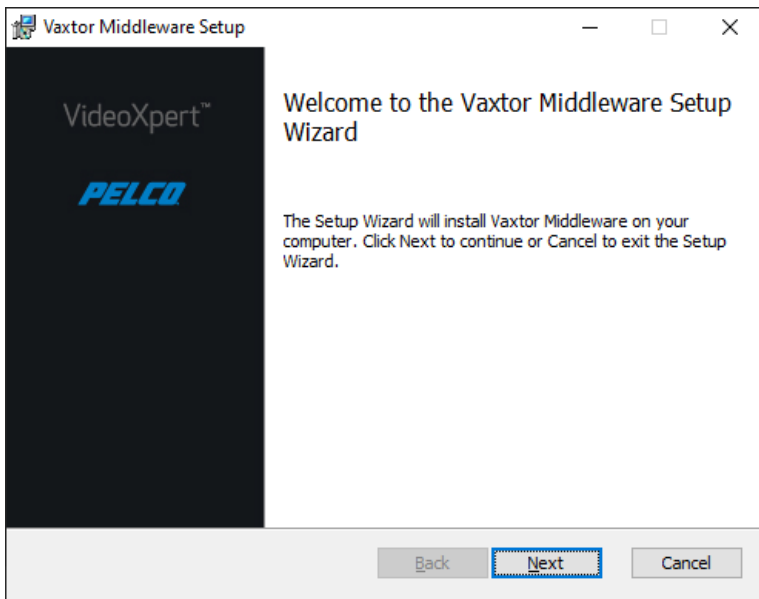
The Vaxtor Middleware application provides the ability to configure and forward events from Vaxtor into VideoXpert. It also allows cameras in Vaxtor to be associated with cameras in VideoXpert. This camera mapping serves two functions:

- Sets the camera source in the VideoXpert event sent from the Middleware, which will allow playback from the event notification in Ops Center.
- Allows playback from the Vaxtor Helix web application when viewed using the Vaxtor Plugin.

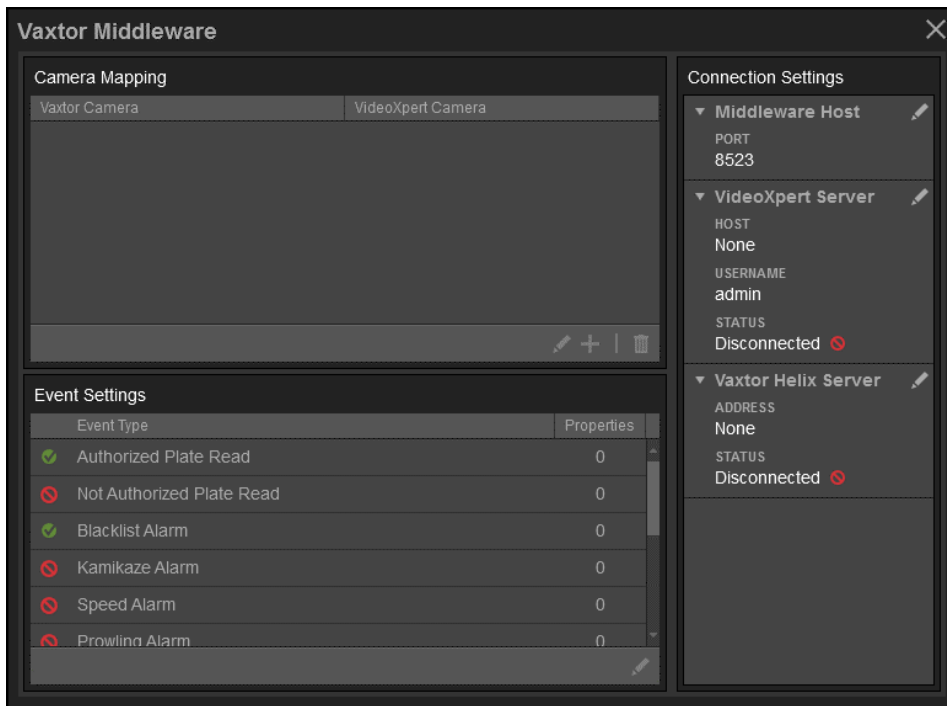
For example, if Vaxtor Camera A (**VCA**) is associated with VideoXpert Camera B (**VCB**) and a Blacklist Alarm is received that was captured by **VCA**, an event will be sent to VideoXpert with **VCB** as the camera source. In this same example, clicking the Play button from a plate captured by **VCA** in the Vaxtor Plugin will play video from **VCB** in a new cell.

Installation

1. Install the prerequisite, "Microsoft Visual C++ Redistributable for Visual Studio 2015 x64".
2. Download and run the installer.
3. Click 'Next' a few times to complete the installation.




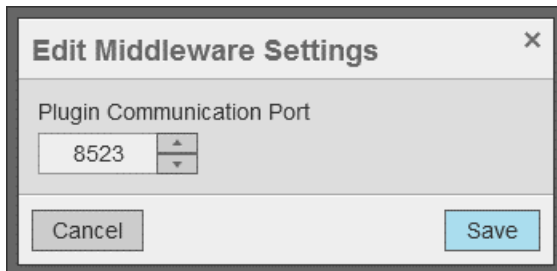
4. Run the Vaxtor Middleware application to ensure successful installation.



Configuring the Middleware Host

The Vaxtor Middleware application communicates with the Vaxtor Plugin over a TCP connection. You may change the port that the Middleware application listens on if needed.


1. Click the  icon on the in the top right corner of the Middleware Host section to bring up the configuration dialog.

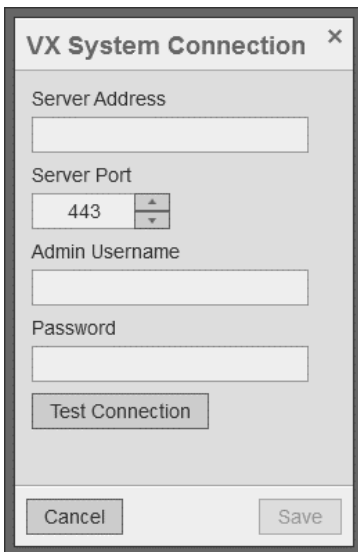


2. Enter a value in the **Plugin Communication Port** field or use the default port.
3. Click **Save** to save the current settings.

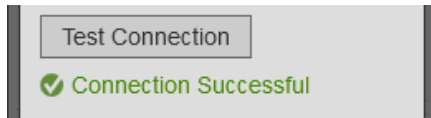
Configuring the VideoXpert System


The Vaxtor Middleware application requires a VideoXpert System to be configured. Before configuring the system, make sure you have network access to the system and your user account has been assigned to the administrative role. Once configured, the Vaxtor Middleware application will also utilize the system to populate various configuration options.

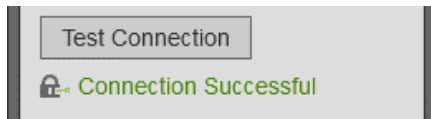
1. Click the  icon on the in the top right corner of the VideoXpert Server section to bring up the configuration dialog.



2. Enter an IP address in the **Server Address** field.
3. Enter a value in the **Server Port** field or use the default port.
4. Enter the **Admin Username** and **Password** for the VideoXpert system.
 - a. If the connection succeeds, the user will see the “Connection Successful” message:




- b. If the connection succeeds, and the system does not have a license but is still under the grace period the user will see the “Connection Successful” message along with the icon :



- c. If the connection failed, the user will see the “Connection Failed” message:



- d. If the connection failed due to an expired license, the user will see the “Connection Failed” message along with the icon :




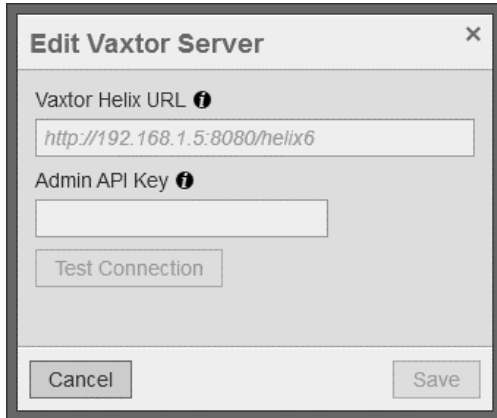
5. Click **Save** to save the current settings.

Configuring the Vaxtor Server

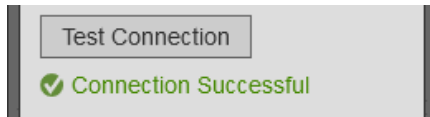
The Vaxtor Middleware application requires a Vaxtor Helix Server to be configured. Before configuring the server, make sure you have network access to the system and the API key for the administrative role. Once configured, the Vaxtor Middleware application will also utilize the server to populate various configuration options.

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1. Click the  icon on the in the top right corner of the Vaxtor Helix Server section to bring up the configuration dialog.



1. Enter the address of the Helix server in the **Vaxtor Helix URL** field.
2. Enter the **Admin API Key** for the Vaxtor server.
 - a. If the connection succeeds, the user will see the “Connection Successful” message:




- b. If the connection failed, the user will see the “Connection Failed” message:

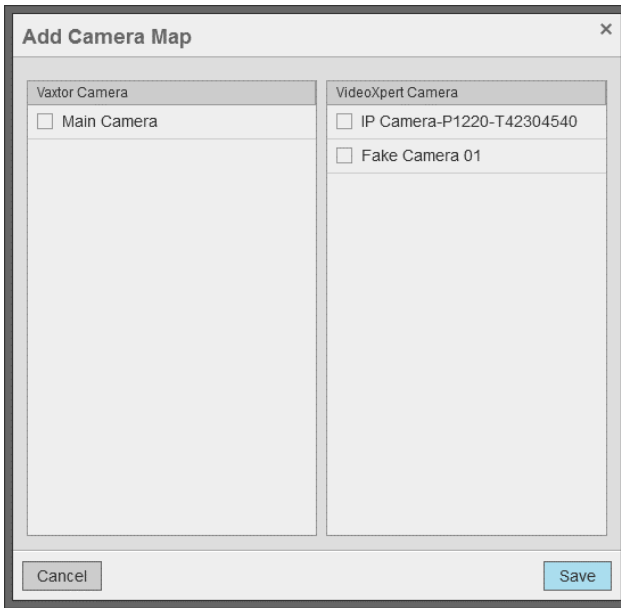


3. Click **Save** to save the current settings.

Configuring Camera Mapping

The Vaxtor Middleware application allows cameras from the Vaxtor server to be mapped to cameras on the VideoXpert system. Once mapped, any events that are sent to the VideoXpert system will be associated with a camera if the event was from a Vaxtor camera that has been mapped. This configuration also applies to playing back video using the Vaxtor Plugin.


1. Click the  icon on the lower right corner of the **Camera Mapping** panel to open the **Add Camera Map** dialog.

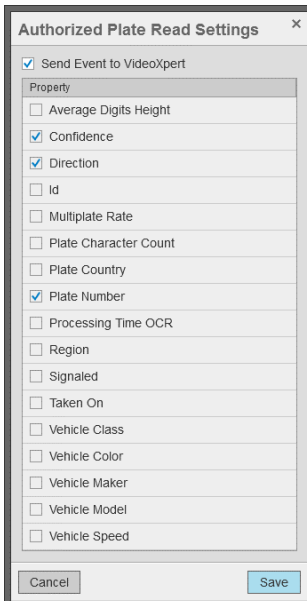


2. Click to select or deselect the checkbox of a Vaxtor camera.
3. Click to select or deselect the checkbox of a VideoXpert camera to map to the selected Vaxtor camera.
4. Click **Save** to save the current settings.

Configuring Event Settings

The Vaxtor Middleware application can send events to the VideoXpert system when they are received from the Vaxtor server. There are multiple event types that can be enabled/disabled and the additional properties that get sent in the VideoXpert event can be configured for each event type.

1. Select an event type and click the  icon on the lower right corner of the *Event Settings* panel to open the configuration dialog for the selected event.



2. Click to select or deselect the checkbox for *Send Event to VideoXpert*. When checked, events of this type will be sent to the VideoXpert system.

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3. Click to select or deselect the checkbox of any property that you would like to be added to the event sent to the VideoXpert system.
4. Click **Save** to save the current settings.

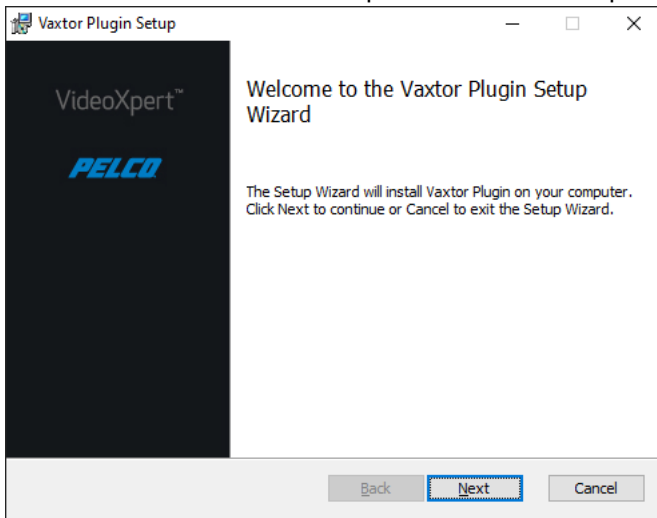
Vaxtor Plugin

The Vaxtor Plugin is an Ops Center plugin that displays the Vaxtor Helix web application in an Ops Center cell. It also provides the ability to play video (from mapped cameras) at the time the plate was captured within a new cell. This can be performed by clicking the Play button in the plate information pop up window.

- **Note:** In order to play back video from the Vaxtor Helix web application the plugin must be connected to the Middleware application.

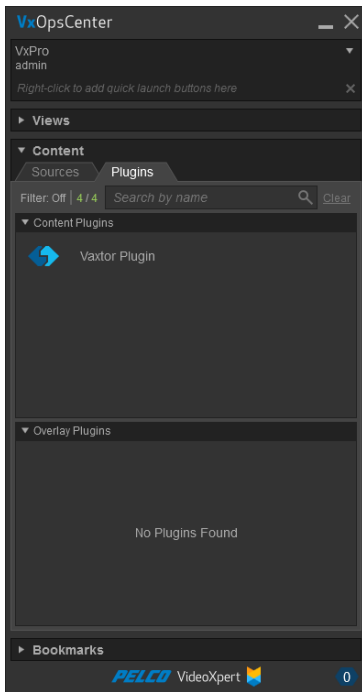
Installation

1. Install the prerequisite, "Microsoft Visual C++ Redistributable for Visual Studio 2015 x64".
2. Download and run the installer.
3. Click 'Next' a few times to complete the installation process.




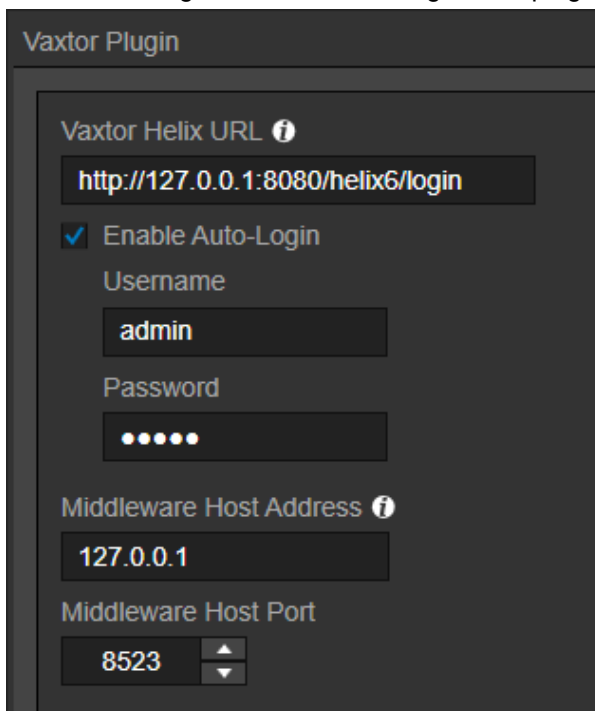
4. When opening Ops Center the user will notice a new plugin has been installed.

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Configuring the Plugin

1. Drag the content plugin into an empty Ops Center cell.
2. Click the settings icon  to configure the plugin.



3. Enter the URL to the Vaxtor Helix web application.
4. If you would like the plugin to automatically log in to the web application check the “Enable Auto-Login” checkbox and enter the credentials to automatically log in with.

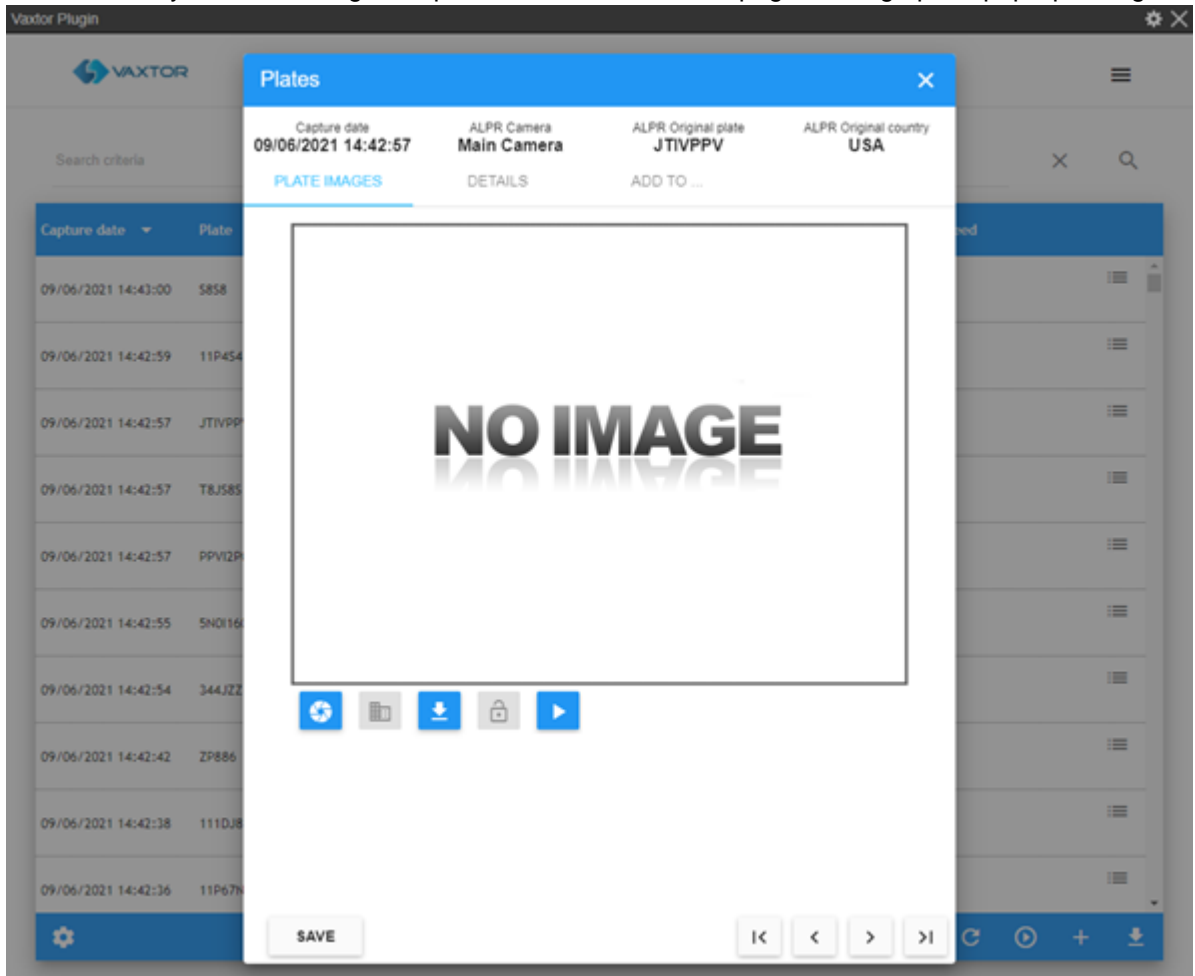
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5. Enter the IP and port of the host running the Vaxtor Middleware application. In order to play video in Ops Center from the Helix web application you must be connected to the Vaxtor Middleware application.
6. Click **Save** to save the current settings.

Playing video from the Plugin

Note: Video playback is only available when the plugin is connected to the Vaxtor Middleware and the camera of the selected plate capture has been mapped to a VideoXpert camera in the Vaxtor Middleware application.

1. Drag the content plugin into an empty Ops Center cell.
2. Log in to the Helix web application if prompted.
3. Select an entry from the recognized plates list from the Plates page to bring up the pop-up dialog.



4. Click the  play button under the **PLATE IMAGES** tab to start playback in a new cell within Ops Center.

Locating Logs

Logs are located in the following directories:

- **Vaxtor Middleware:** "C:\ProgramData\Pelco\VaxtorMiddleware\Logs"
- **Vaxtor Plugins:** "C:\ProgramData\Pelco\VaxtorPlugin\Logs"
- **VideoXpert SDK:** "C:\ProgramData\Pelco\VxSdk\Logs"

To change the VideoXpert SDK logging level:

1. Open the file "C:\ProgramData\Pelco\VaxtorMiddleware\config.xml" in a text editor.
2. Change the LogLevel setting to the desired level.
3. Restart the Vaxtor Middleware application for the settings to take effect.

Pelco Troubleshooting Contact Information

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.

Version Information

Integration Component Version

Component Name	Minimum Version	Description
Vaxtor Plugin	1.0.5 (Software) / 3.11 (VX)	A VideoXpert Ops Center plugin which presents the user with the Helix web UI and allows playing back video from a read plate.
Vaxtor Middleware	1.0.5 (Software) / 3.11 (VX)	Middleware is used to listen for Vaxtor plate reads and events and inject them into VideoXpert as events.

Vaxtor Software Versions

Component Name	Minimum Version	Description
VaxALPR-MMC	V4.2	Vaxtor ALPR software.
VaxALPR Helix6 Server Plugin	V1.0	Vaxtor Helix back office management software.



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