



VideoXpert 3.x Integration
AdvanceGuard by NavtechRadar

Installation and Operation Guide

Contents

Introduction	3
Version Information	3
Integration Component Version	3
AdvanceGuard Version	3
System Overview	4
Installation	5
AdvanceGuardPlugins	5
AdvanceGuardMiddleware	6
Operation	8
AdvanceGuardPlugins	8
AdvanceGuard Events	8
AdvanceGuard Maps	10
AdvanceGuardMiddleware	12
Troubleshooting	14
Pelco Troubleshooting Contact Information	15

Introduction

This document is the installation and operation guide for VideoXpert Integration with AdvanceGuard.

Version Information

Integration Component Version

#	Component Name	Version	Description
1.	AdvanceGuardPlugins	1.0.3 (Software) / 3.7.1 (VX)	Two VideoXpert Ops Center plugins are packaged with this installer. The first is AdvanceGuard Maps which presents the user with a map of their configured site. The second plugin is AdvanceGuard Events which lists all alarms sent from the AdvanceGuard system.
2.	AdvanceGuardMiddleware	1.0.3 (Software) / 3.7.1 (VX)	Middleware is used to listen for AdvanceGuard alarms and inject them into VideoXpert as events.

AdvanceGuard Version

#	Component Name	Version	Description
1.	AdvanceGuard	4.6.0.448	Navtech Radar's server software

System Overview

The combination of AdvanceGuardPlugins and AdvanceGuardMiddleware software packages creates a seamless integration with AdvanceGuard for the VideoXpert end user.

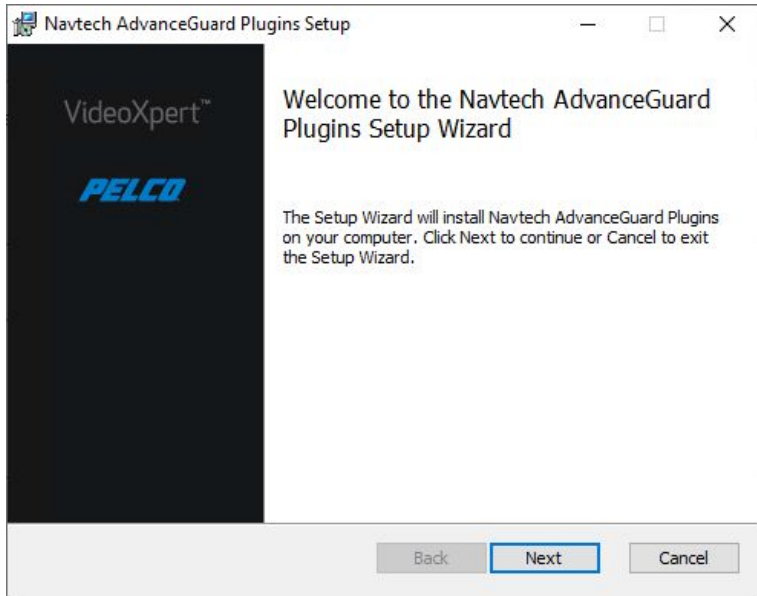
AdvanceGuard Maps plugin provides rich mapping support embedded directly into VideoXpert Ops Center allowing for full situational awareness.

AdvanceGuard Events plugin displays the AdvanceGuard alarms in a beautiful user interface directly in VideoXpert Ops Center allowing the user to respond to incoming alerts quickly and efficiently.

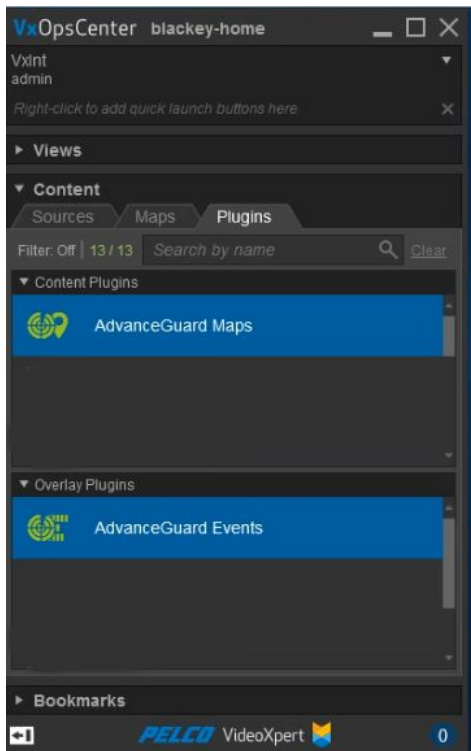
Installation

AdvanceGuardPlugins

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



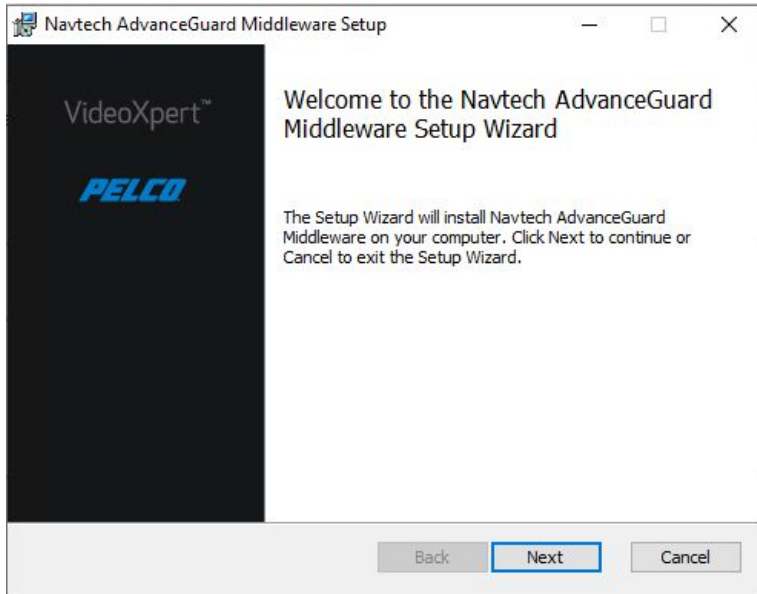
4. When opening Ops Center the user will notice two new plugins have been installed



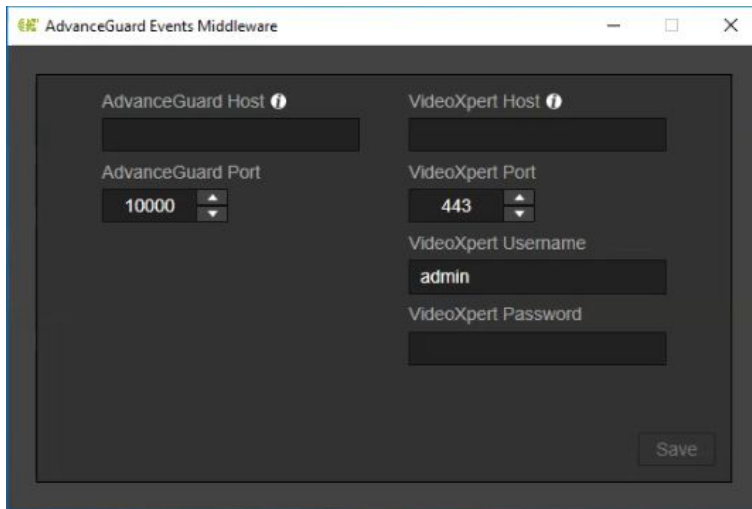
AdvanceGuard by NavtechRadar

AdvanceGuardMiddleware

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 AdvanceGuard Events Middleware application to ensure successful installation

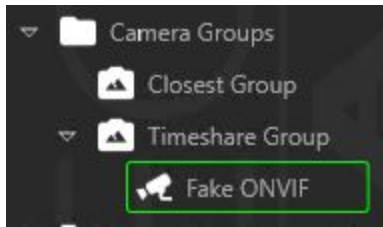


5. Ensure the VideoXpert device ID (camera) is associated with the AdvanceGuard system
 - a. Open VxToolbox > Select the desired VideoXpert system > Select the “Reports” tab > Generate a “Default Device Report” > Export the csv device report to the users’ desktop > Take note of the “Device ID” field, the user will need this later
 - b. Open the AdvanceGuard Witness application > Select the settings button

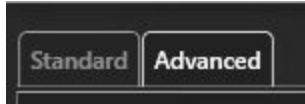


AdvanceGuard by NavtechRadar

- c. Select a camera



- d. Select the "Advanced" tab



- e. Click the "Edit" button



- f. Add in the VideoXpert "Device ID" from the device report into the "External ID" field

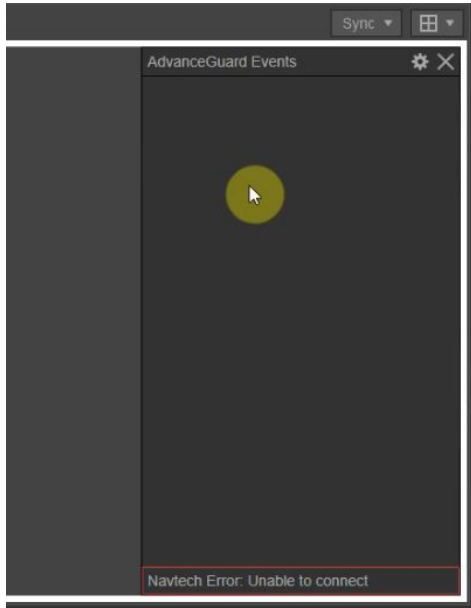
Driver Details	
Show Range:	<input type="checkbox"/>
External ID:	<input type="text"/>
Minimum Delay:	<input type="text" value="0"/>
Zoom Coefficient A:	<input type="text" value="0"/>
Zoom Coefficient B:	<input type="text" value="0,004"/>
Zoom Coefficient C:	<input type="text" value="0"/>
Max Zoom Range:	<input type="text" value="250"/> m

Operation

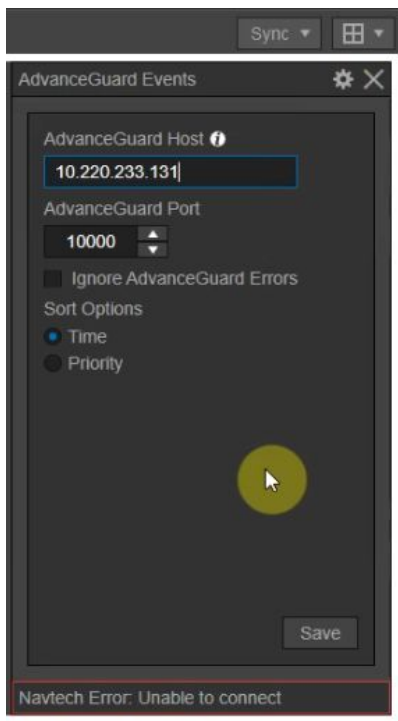
AdvanceGuardPlugins

1. AdvanceGuard Events

- a. Drag the overlay plugin into an empty Ops Center cell
- b. The user will notice an error message appears as we have yet to configure the plugin



- c. Select the settings icon  to configure the plugin

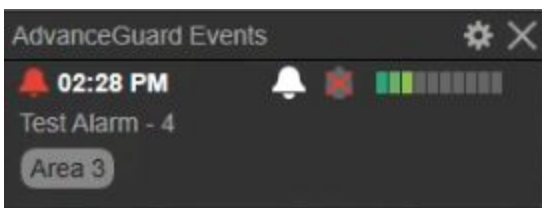


AdvanceGuard by NavtechRadar

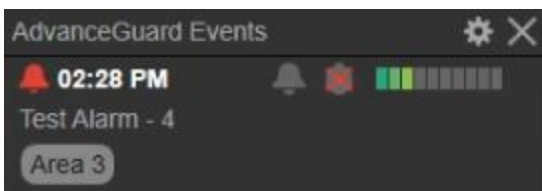
- d. Enter the IP / host name of the AdvanceGuard system
- e. Enter the port of the AdvanceGuard system for ICD001 protocol, the default is 10000
- f. This plugin configuration allows the user to acknowledge alarms from the plugin remotely on the AdvanceGuard system
- g. Selecting to ignore the AdvanceGuard errors will hide the 'Unable to connect' error message, although if the configuration is not set properly the user will not be able to remotely acknowledge AdvanceGuard alarms. This option could be useful for remote clients who don't have direct access to the AdvanceGuard system
- h. Once the plugin is properly configured the error message will go away



- i. White alarm icon indicates an active alarm, a camera with an X through it indicates there isn't an associated camera with this event, to the far right is a severity indicator which is a combination of severity and priority as set on AdvanceGuard

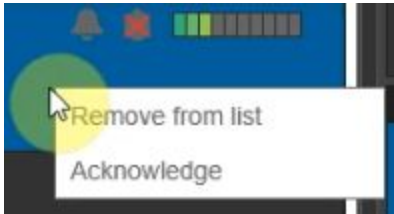


- j. When alarms are cleared by the AdvanceGuard server the alarm icon will turn from white (active) to gray (cleared)

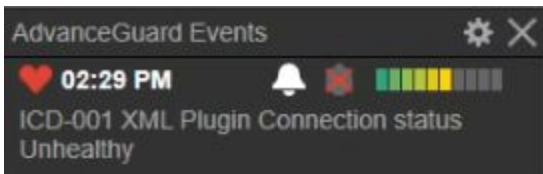


AdvanceGuard by NavtechRadar

- k. When an alarm is cleared a user is able to acknowledge the alarm by right clicking it and then selecting 'Acknowledge', similarly at any time a user is able to remove an item from the list by selecting 'Remove from list'

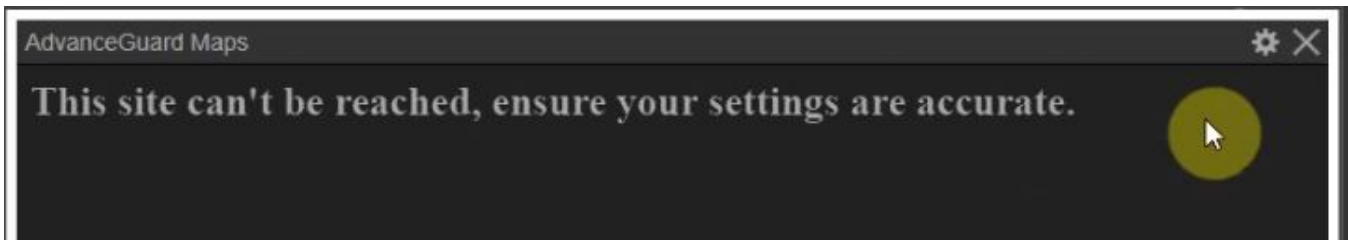



- l. When alarms are acknowledged on the server a notification will be sent to the plugin and it the associated event will be automatically removed from the list
- m. Health events look similar to normal events although have a heart icon and do not list areas in which the alarm was triggered

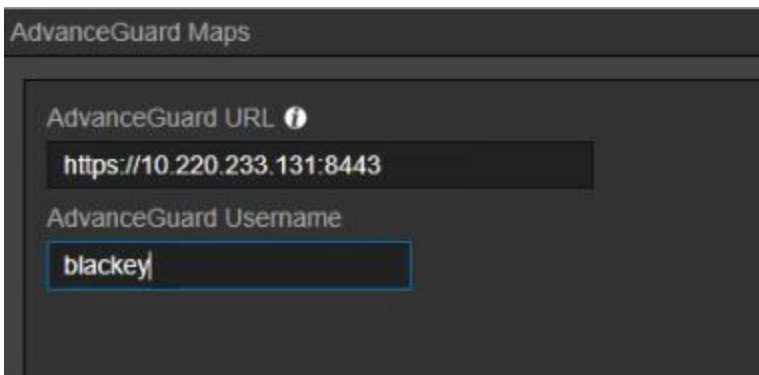


2. AdvanceGuard Maps

- a. Drag the overlay plugin into an empty Ops Center cell
- b. The user will notice an error message appears as we have yet to configure the plugin



- c. Click the settings icon  to configure the plugin
- d. Enter the AdvanceGuard URL and port to their mapping web application as well as a user that is configured for automatic login

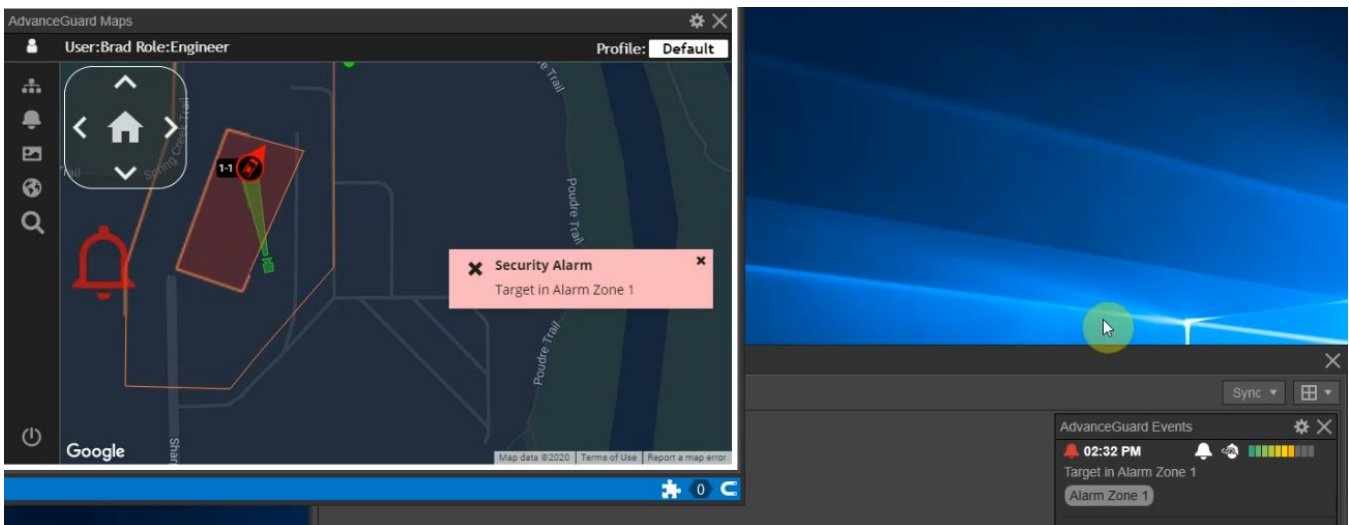


AdvanceGuard by NavtechRadar

- e. Once saved, the plugin will automatically navigate to the web address entered and login as the user supplied and will present the user with the AdvanceGuard mapping application



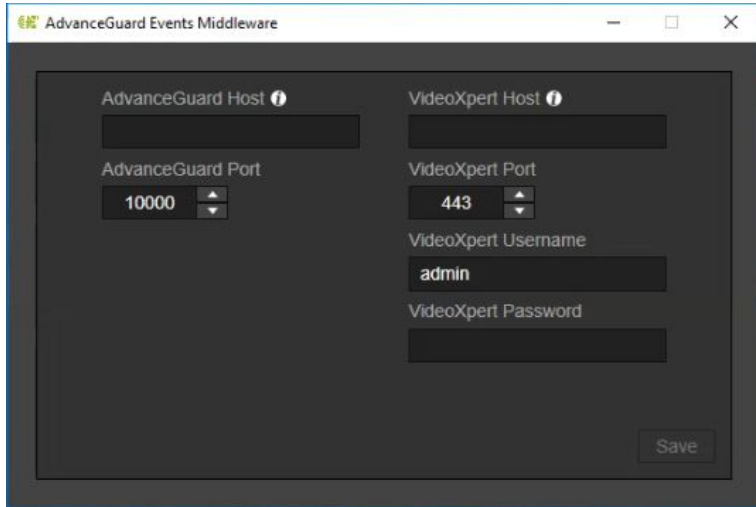
- f. As the user is able to view alarms being triggered visually through the map the events plugin will also populate with the same alarms



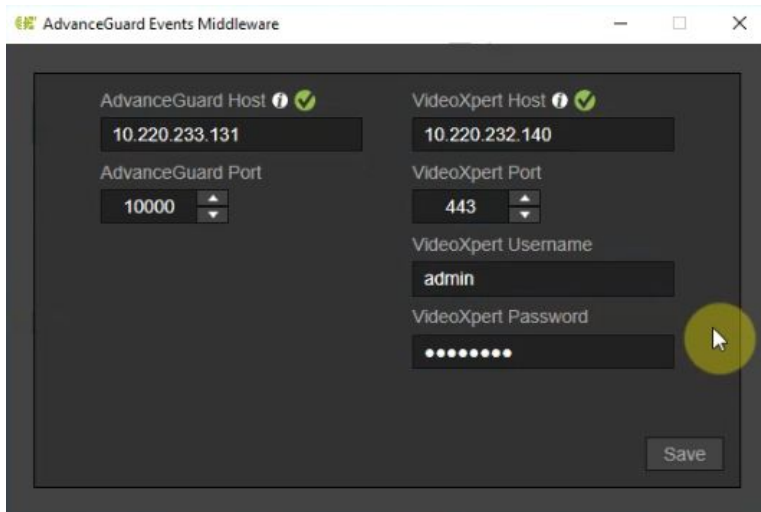
AdvanceGuard by NavtechRadar

AdvanceGuardMiddleware

1. Run the AdvanceGuard Events Middleware application
2. Enter the IP or hostname of the AdvanceGuard server on the left side of the software
3. Enter the IP or hostname as well as relevant VideoXpert credentials on the right side of the software



4. When all information is entered correctly the user will see green checkmarks next to the related section



5. Click 'Save' to save the configuration
6. Closing this application will minimize it to the system tray and run in the background
7. To open and/or reconfigure the middleware simply double click the icon in the system tray
8. To exit and close the middleware the user can right click on the icon in the system tray and select 'Exit'
9. If the AdvanceGuard server or VideoXpert server is ever disconnected this is reflected in the middleware application with an exclamation mark warning icon

AdvanceGuard by NavtechRadar

AdvanceGuard Events Middleware

AdvanceGuard Host ⓘ ⚠	VideoXpert Host ⓘ ✓
10.220.233.131	10.220.232.140
AdvanceGuard Port	VideoXpert Port
10000	443
	VideoXpert Username
	admin
	VideoXpert Password
	••••••••
	Save

Troubleshooting

Logs are located at "C:\ProgramData\Pelco\Logs\AdvanceGuard".

To enable verbose logging

- Edit "C:\ProgramData\Pelco\OpsCenter\Plugins\Pelco\Navtech\Events\NLog.config"
- Edit "C:\ProgramData\Pelco\OpsCenter\Plugins\Pelco\Navtech\Maps\NLog.config"
- Edit "C:\Program Files\Pelco\Integrations\Navtech\AdvanceGuard\NLog.config"
- Ensure "Debug" is set for the "minlevel" attribute all "logger" elements
- Restart the applications for the settings to take effect

VxSdk logs are located at "C:\ProgramData\Pelco\VxSdk\Logs".

If cameras are not being associated with AdvanceGuard alarms ensure the following is completed. Installation > AdvanceGuardMiddleware > Step #5.

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.



AdvanceGuard by NavtechRadar

Pelco, Inc.

625 W. Alluvial Ave.
Fresno, CA 93711
Tel. +1 559-292-1981

www.pelco.com

Pelco, the Pelco logo, and other trademarks associated with Pelco products referred to in this publication are trademarks of Pelco, Inc. or its affiliates. ONVIF and the ONVIF logo are trademarks of ONVIF Inc. All other product names and services are the property of their respective companies. Product specifications and availability are subject to change without notice. ©Copyright 2019, Pelco, Inc. All rights reserved.