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Overview

The Network Harbor 'LightHouse' PSIM and exacqVision integration provides advanced command, control, and multi-system interoperability. LightHouse dynamic exacqVision device population, with identification and management properties, makes installation and configuration simple and precise. All video and events from the exacqVision can be reviewed, controlled and monitored. All exacqVision devices can be associated and interoperable with other LightHouse connected systems for complete organization and management by the LightHouse platform.

Software Requirements

- exacqVision Client is not required except for exacqVision administrative and configuration of exacqVision system.
- exacqVision Clients can concurrently operate with LightHouse clients when desired.
- exacqVision server version 8.0 (or greater)
- LightHouse version 2.25 (or greater)

Installation Preparation

Prior to configuring connection to the exacqVision recorders, please make sure the following is available:

1. Obtain LightHouse exacqVision portal license from Network Harbor
2. Obtain valid user names and passwords for each exacqVision recorder that will be connected
3. Obtain valid host IP address and command port used for each exacqVision recorder that will be connected



Exacq Portal Installation

The Exacq Portal is an NHI Video Management System (VMS) Portal which is utilized by the LightHouse™ System for the integrating with the Exacq NVR.

This manual consists of two parts: Software Installation and Software Configuration.

Exacq Portal Prerequisites

- The Exacq Portal must be installed on the LightHouse™ Server.
- The LightHouse™ Server instance have a valid license for the Exacq Portal.
- On all video recorders, it is important that the recorder time be synchronized with the LightHouse Server time.
- The LightHouse™ Server must be able to communicate to the Exacq™ NVR over the API port (TCP port 22609 by default).
- LightHouse™ Clients must have the NHI Exacq Client Prerequisites software installed.
(ExacqClientPrereqSetup.msi)
- LightHouse™ Clients wishing to view live or recorded video, and/or control cameras must be able to communicate to the Exacq™ NVR over the API port (TCP port 22609 by default).

Installation of the Exacq Portal

In order to install the Exacq Portal:

- 1) Ensure that the LightHouse Service is shut down and the process is not running.
- 2) Run the Exacq Portal installer file 'ExacqPortalSetupx86.msi' or 'ExacqPortalSetupx64.msi', depending upon whether the LightHouse server it is installed to is running in 32 or 64-bit mode.



Figure 1 - Installation

You will now be presented with the End User License Agreement. Read this document carefully and then agree or disagree with the contents. By accepting this license, you (and the organization you represent) are agreeing to be subjected to all of the terms specified by the license. If you do not accept the license, you may cancel the installation and contact your dealer for further instructions.

In order to accept the agreement, select the "I accept the terms in the License Agreement" radio button, and then click the "Install" button. Once installation is complete, click the 'Finish' button to exit the Setup Wizard.

After the installation is complete, the NHI LightHouse Server must be started in order to recognize the new portal.

Connection Configuration:

In order to configure the connections for Exacq Portal, first ensure that the user account that will be used for configuration has proper permissions to set up a portal. Specifically, that user’s associated profile must have the ‘Portals Setup’ system permission.

Log in with that user account, and go to the “System Setup” menu, then click on the “Portals” tab.

Choose to configure the NHI Video Management System. If the list of Video Systems does not include the ‘Video Insight Portal v5’, click the ‘Add’ button and select ‘Video Insight Portal v5’, then click OK.

Once the Video Management System Setup window does contain the ‘Video Insight Portal v5’ item, select that entry and click the ‘Settings’ button.

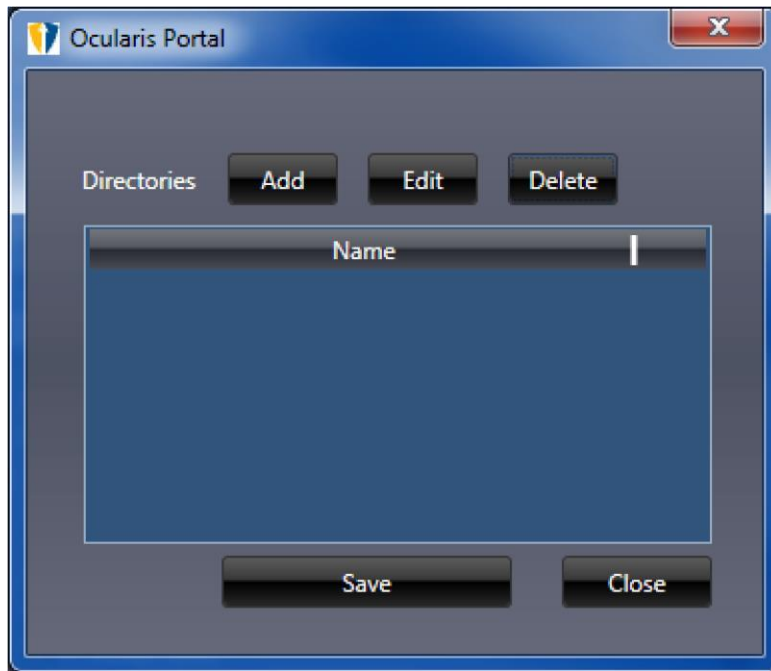


Figure 2 - Exacq Connections Setup

Click the ‘Add’ button to add a new Exacq connection.

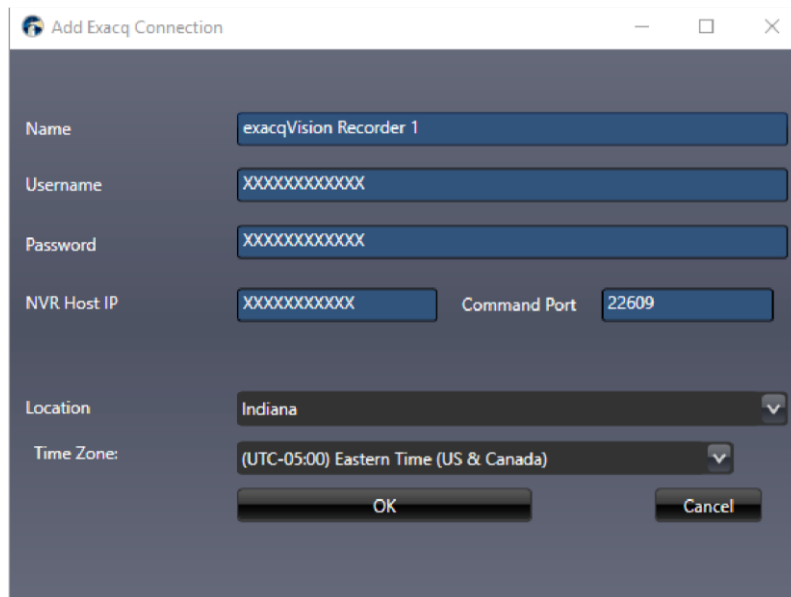


Figure 3 - Individual Connection Setup

- Fill in the information about the Exacq connection. The 'Name' value is just a label which is used to identify this connection in the Exacq Setup window.
- The 'NVR Host IP' is the IP address of the NVR unit.
- The username and password are the administrator username and password of the NVR.
- The default setting for Command Port is 22609.
- Location is the location that all cameras on this NVR will be placed in upon auto-population.
- The Time Zone is the local time zone of the NVR.
- Click 'OK' when you are done filling out the values for the Exacq Connection.
- Click 'Save' in the Exacq Setup window.
- Click 'Save' in the Video Management System Setup window.

The LightHouse™ Server is now configured to connect to the Exacq NVR. The cameras on the Exacq NVR will be automatically populated to the LightHouse Server. If you do not see the devices appear within one minute, check the current profile's permissions to ensure that you have adequate permission to monitor the devices. You may also want to check the server license under Server Administration -> Servers Setup to ensure your server has a license for the Exacq Portal, and ensure that the server has an adequate number of device licenses to support the device auto-population from the NVR. If this fails, consider checking network permissions to ensure that the LightHouse™ Server can connect to the Exacq-capable device on the appropriately configured ports.

Client Prerequisites:

The LightHouse Client machines that are to access video and/or control cameras of Exacq Portal devices will also need to have the Exacq Client installed on them.

Device Configuration:

Devices are auto-populated from the video proxies as configured on the NVR. Therefore, there is no option to create new Exacq devices.

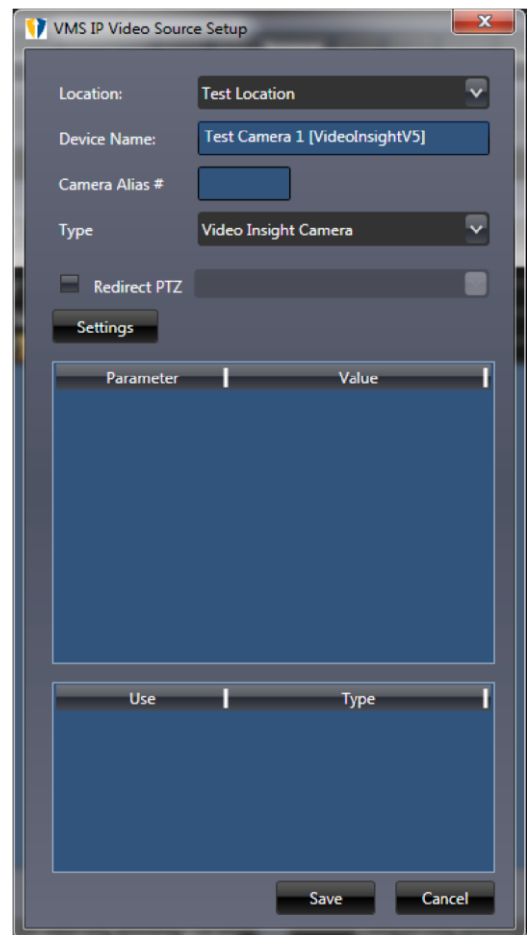
Already existent devices may be modified in the Devices tab of the System Setup form. Select the NHI Video Management System portal, and the type IP Video Source. Double click on the device to be modified.

This will show the VMS IP Video Source Setup control, which is universal to all VMS Video Cameras. This can be used to change the Location and Name of the camera after auto-population.

Clicking the 'Settings' button shows specific functionality for Exacq cameras. There is no specific functionality for Exacq.

Exacq Device Use:

Exacq Device use is covered in general (as with other VMS IP Video Sources) in the LightHouse VMS Administration Manual and LightHouse VMS User Manual.



VMS Default Settings Support:

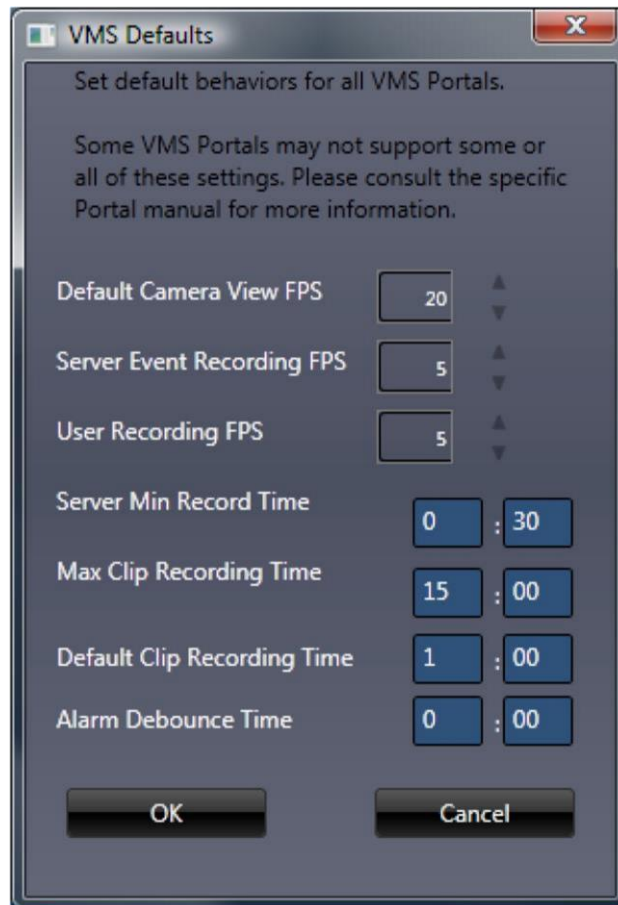


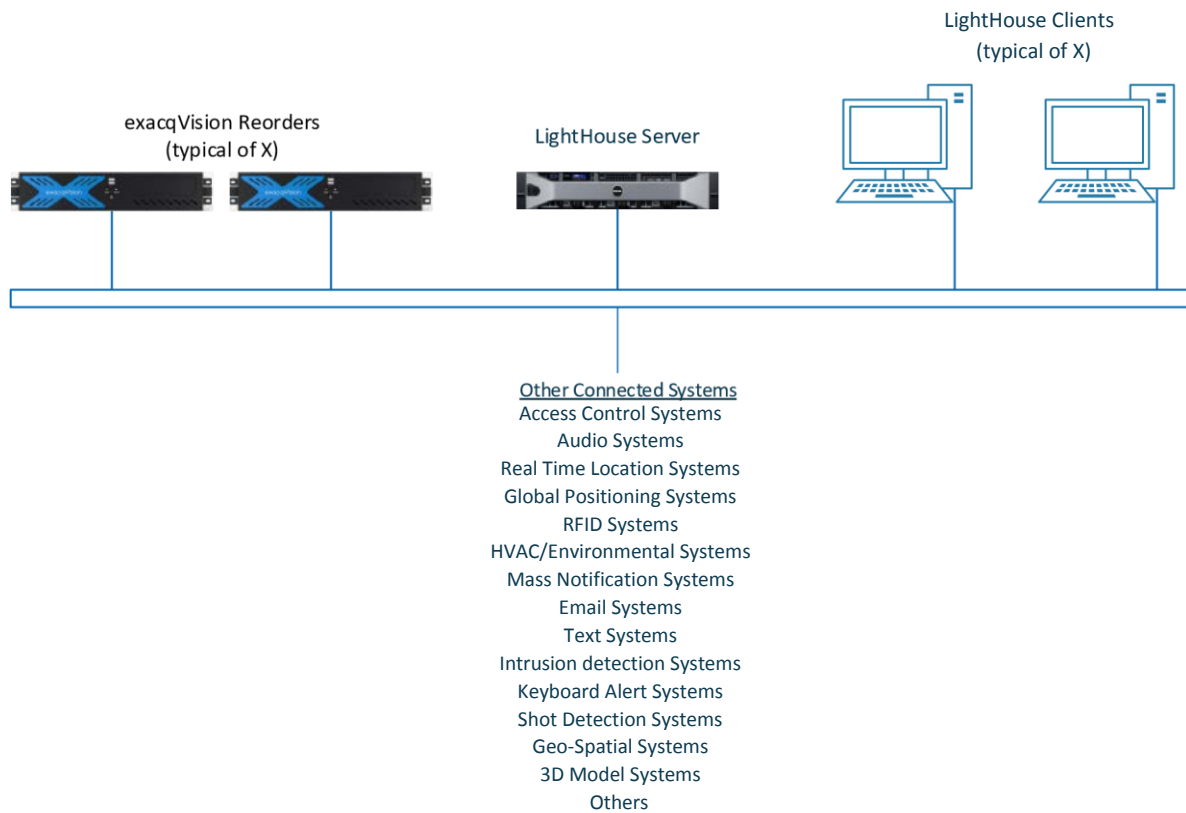
Figure 4 - VMS Default Settings

The above information is provided regarding VMS Default Settings Support:

The only VMS Default Setting supported/required on the Exacq Portal is Max Clip Recording Time.

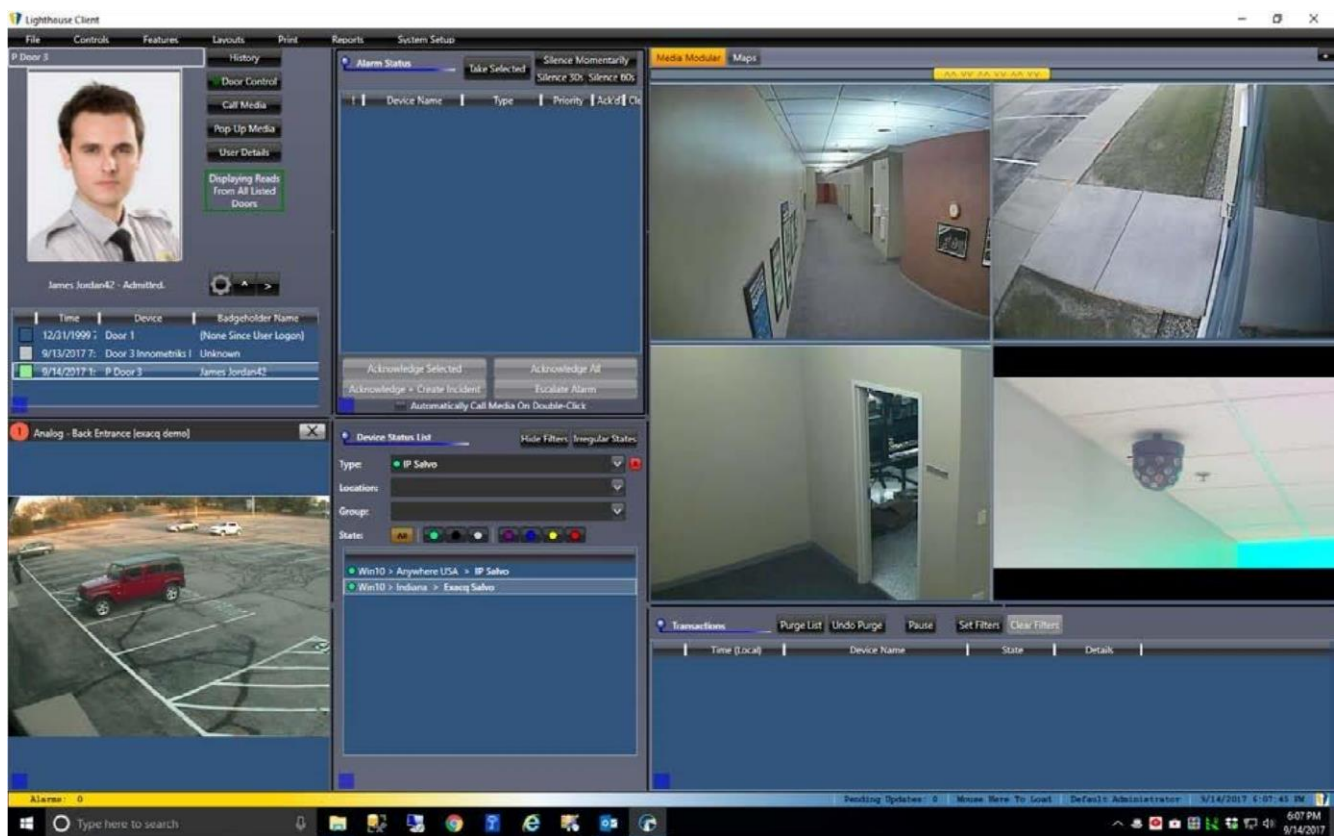
LightHouse- Integration Guide

Example - Block Diagram



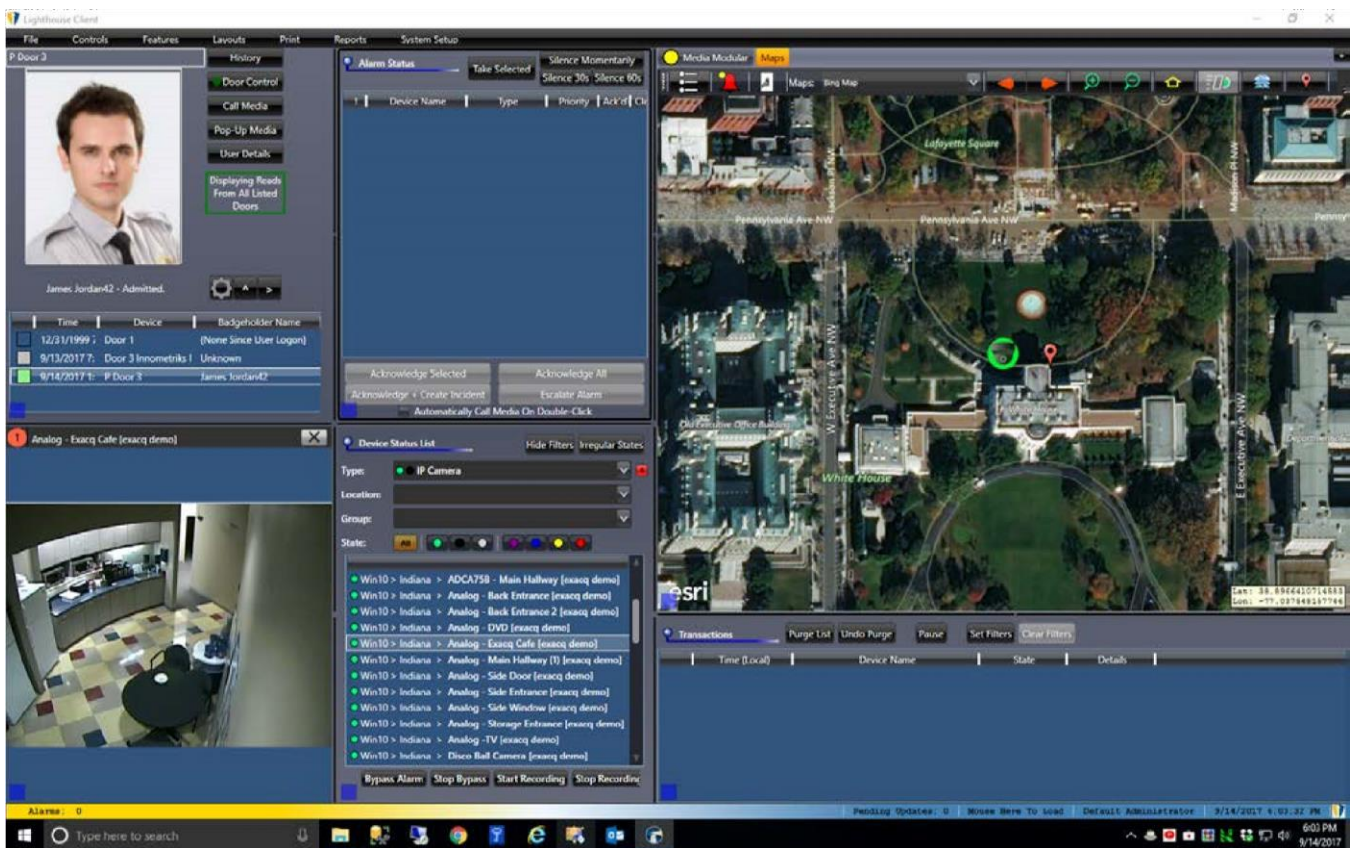
Sample Screenshots with exacqVision

exacqVision IP Salvo alarm call up



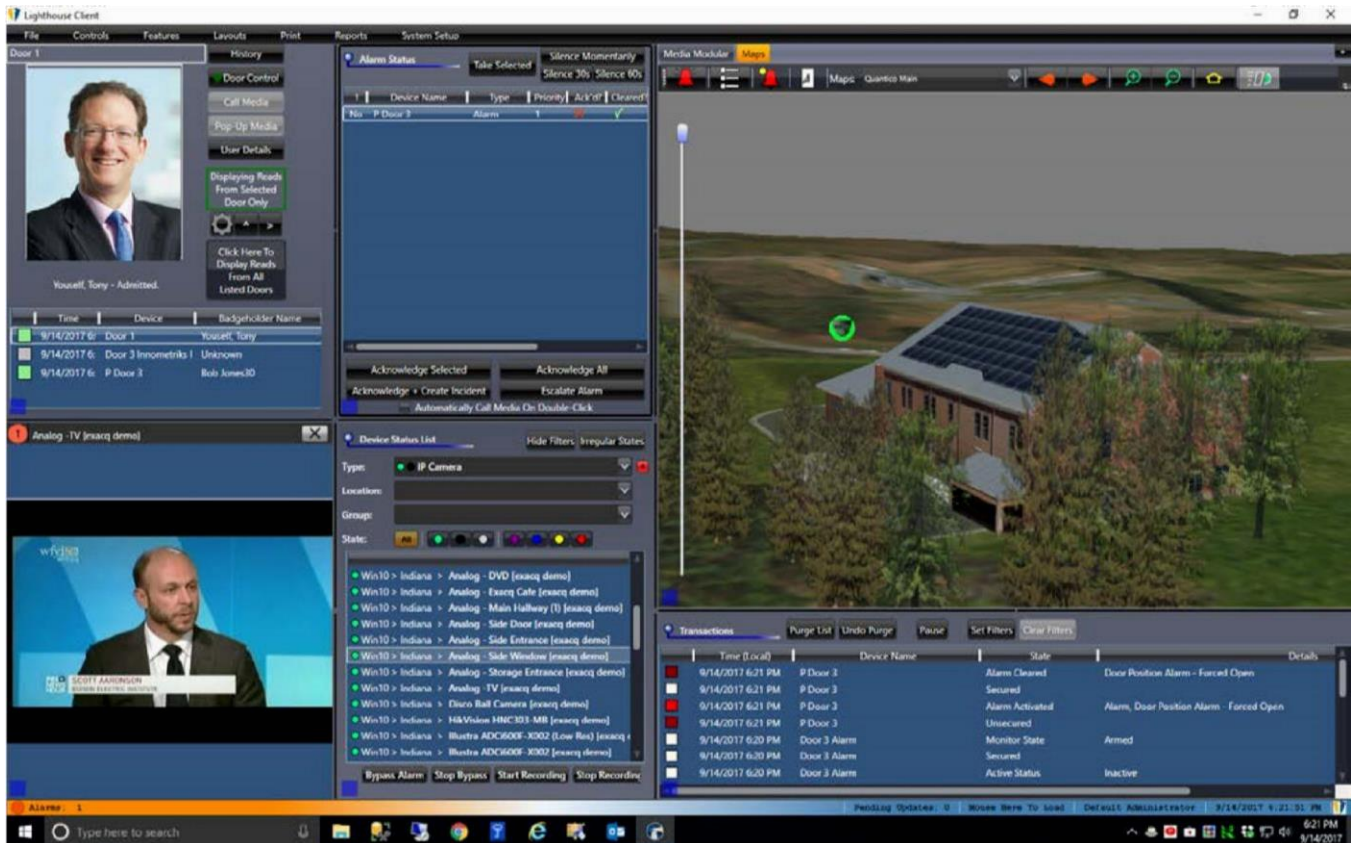
exacqVision GIS Placement on ESRI map

supports alarm call to view, drag and drop, click to call, or video flyover



exacqVision placement on 3D Model

supports alarm call to view, drag and drop, click to call, or video flyover



Contact information

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Technical Support

For technical support assistance, please contact the [Network Harbor Support](#) team here or by [email](#).

Sales

For sales support, please contact the Network Harbor Sales team [here](#) or by [email](#).

