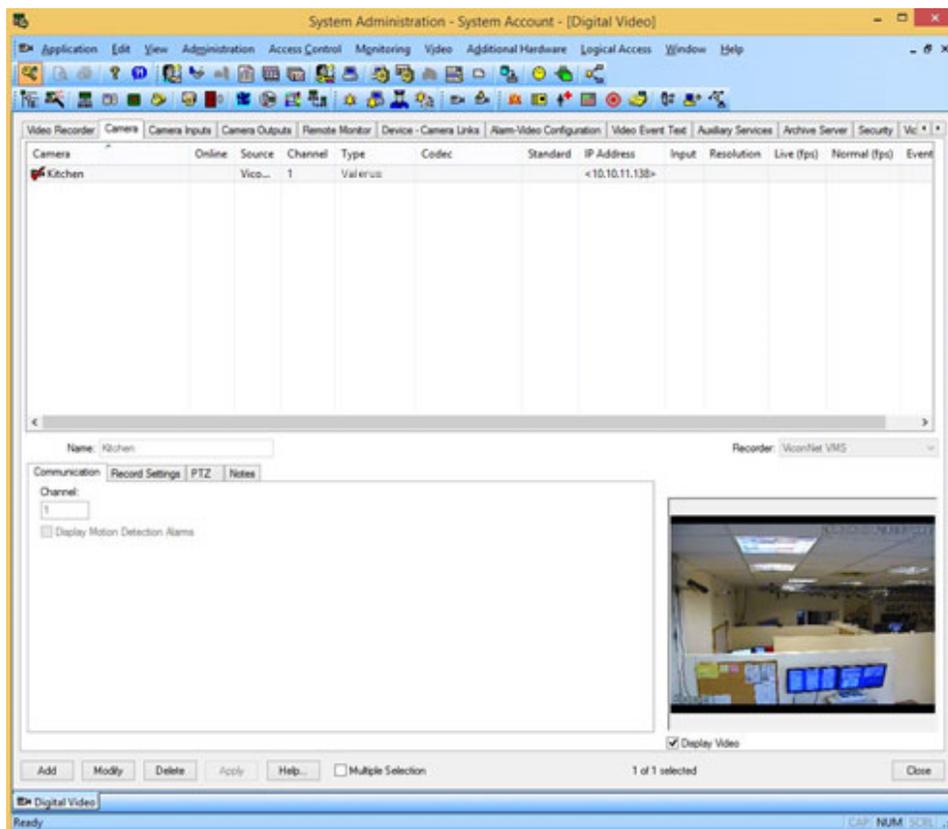


User Guide

Vicon Valerus-Lenel Integration



XX192-02



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Guide for Configuring and Using Vicon Valerus and OnGuardS2

Overview

This guide provides a step-by-step procedure for connecting Lenel OnGuardS2 access control software to a Vicon Valerus Video Management System. This document assumes that the OnGuardS2 system is installed and operating properly and that Vicon Valerus Application Server is at least version 18R2 Update1.

The Valerus-OnGuardS2 integration software provides advanced, seamless integration of Valerus with OnGuardS2, allowing you to monitor and control surveillance cameras, show video view, video tour, use PTZ controls, replay and export videos, generate user alarm, and receive status and events from the OnGuardS2 Monitoring Station.

Features

- Live video
- Simultaneous live and recorded video views
- Replay up to 4 cameras for the same time interval
- Camera status information
- Video server's status information
- Playback and recorded video in one window
- Playback of pre-recorded video
- Video control such as PTZ (domes only)
- Video tours
- PTZ presets based on event

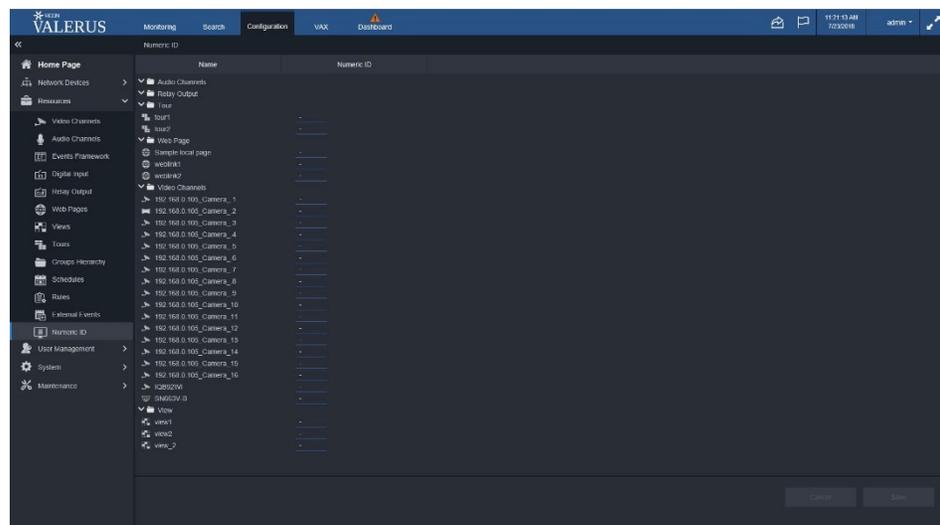
Pre-Requirements

Note

You must have the “Valerus Accessory Add-On” software (provided by Lenel) and an OnGuardS2 license that includes Valerus VMS before starting installation.

In order to successfully install and use the integrated system, the following pre-requirements must be verified prior to installation:

1. An installed OnGuardS2 system exists on the network and is running a version that supports Valerus (OnGuardS2 7.4 and 7.5 at the time of writing this document).
2. Valerus video license for OnGuardS2 from Lenel.
3. An installed Valerus system exists on the network running minimum version 18R2 Update 1.
4. The PCs used as the OnGuardS2 workstation (client PCs) and that will be used for the video integration comply with Valerus minimum requirements (see latest Valerus datasheet for complete details):
 - a. Intel® Core™ i7 processor
 - b. 16 GB RAM
 - c. Strong display card with 256 MB RAM onboard
 - d. 5 GB of free space on hard drive
 - e. Microsoft® Windows® 10, 64 bit; Windows Server 2012 or 2016
5. Verify the OnGuardS2 PCs have network connection to the Valerus system.
6. Verify that you have administrator rights for the installation.
7. In Valerus, make sure to assign a Numeric ID to any Resource that will be viewed in OnGuardS2. These numbers are used by OnGuardS2 to import the Resources. Refer to Appendix A.



Installing the Vicon Valerus-OnGuardS2 Integration

The integration between Valerus and OnGuardS2 Access Control is enabled using an Add-On software package created by Lenel. This package is designed to work with OnGuardS2 systems that support Valerus and all software must be at the same versions to be compatible.

There are two steps when installing the software. The OnGuardS2 Server is installed and then the OnGuardS2 Clients are installed.

Notes:

You must be a Windows® Administrator to install this software on the server.

Close any running applications to avoid installation problems.

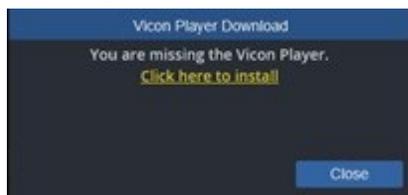
Installing the OnGuardS2 Server

1. Open Internet Explorer 11 and browse to the Valerus system.
2. Login in and follow the steps to install the Valerus player.

Note:

The player is installed per user, so make sure to install it while logged in as the user who will be designated for running OnGuardS2.

- a. Click the icon ; a popup similar to that below displays. Click to install the player; a standard browser download message will display to install.



- b. Below is an example of an IE11 download message. Click Run to install.

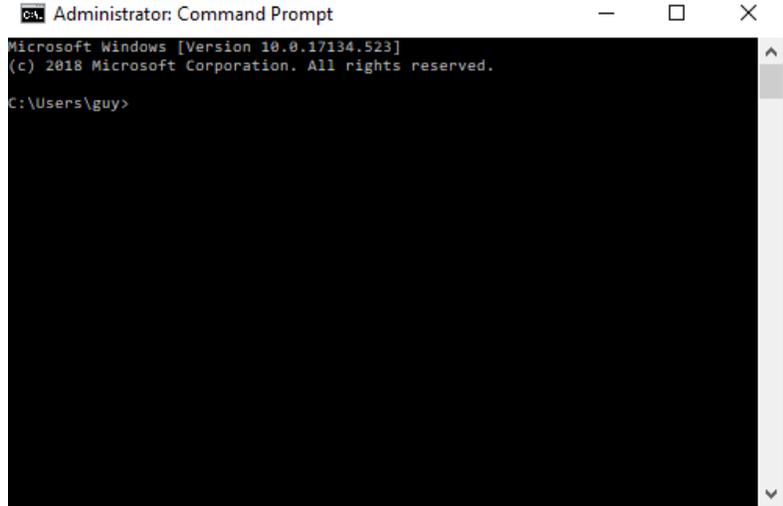


- c. Follow the installation instructions, close the browser and launch it again after the installation is complete. The player should now be installed and will work to display video.
3. Once installed, verify that you can drag a camera to the display area and view video. Approve the required firewall and Windows access.

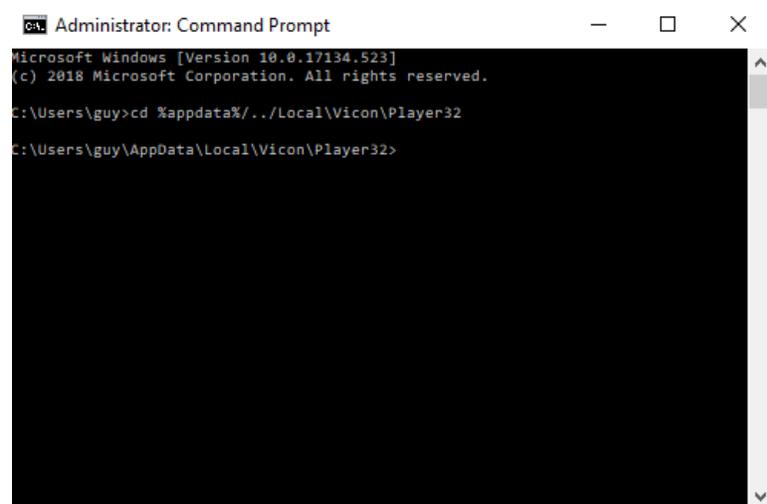
Note:

If video is not displayed in the Valerus Client then video will not be seen in OnGuardS2.

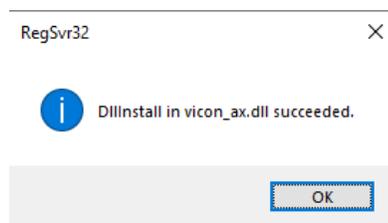
4. Once the player is installed, it needs to be registered in the local O/S to be able to communicate with OnGuardS2. Follow the steps below:
 - a. Click on Windows start and type CMD. Right click on “command prompt” and choose to run as an administrator.



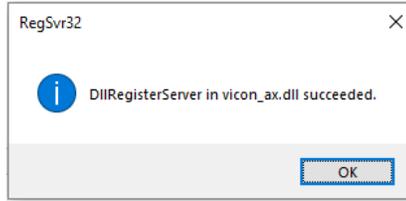
- b. Navigate to the Player installation path by copying the following and pasting it in the command prompt **cd %appdata%/../Local/Vicon/Player32**.



- c. To unregister the current player, copy and paste the command in the command prompt **regsvr32.exe /u /n /i:user vicon_ax.dll**; you should get the confirmation pop-up below.



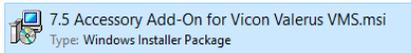
- d. To register in the required place for the integration, copy and paste the command in the command prompt **regsvr32.exe vicon_ax.dll**; you should get the confirmation pop-up below.



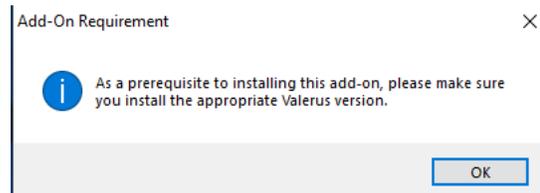
Note:

If required, Vicon can provide the commands above in a batch file; contact Vicon Technical Support as needed.

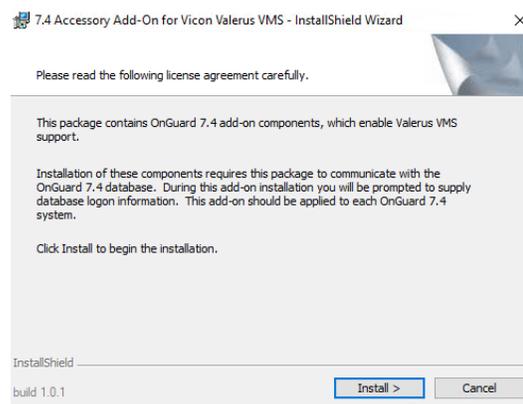
- 5. Install the “Valerus Accessory Add-On” available from Lenel. Follow the steps below.
 - a. Run the installer you received from Lenel. Make sure it matches your OnGuardS2 system version.



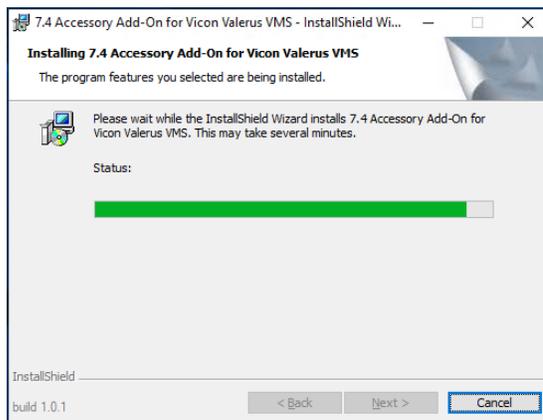
- b. A message will display reminding you to have Valerus installed on the PC and the Player steps are complete.



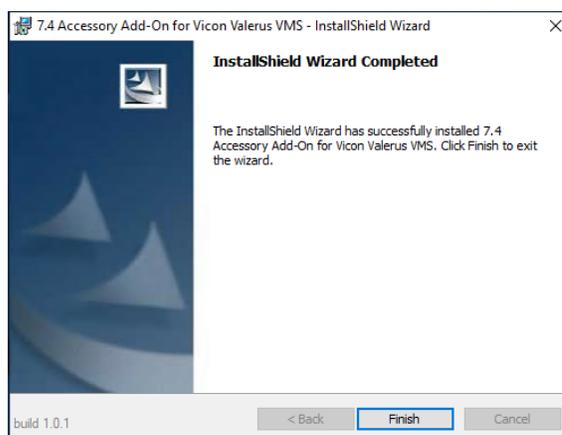
- c. Read and click Install to proceed.



- d. Allow the installation to complete; this may take a few minutes



- e. Click Finish.



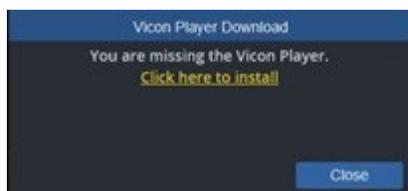
- 6. Once installed, reboot (restart) the OnGuardS2 server.
- 7. After the reboot, the Valerus VMS will be added as an option to the OnGuardS2 system so it can be added as a digital video recorder.

Installing the OnGuardS2 Clients

- 1. Open Internet Explorer 11 and browse to the Valerus system.
- 2. Login in and follow the steps to install the Valerus Player.

Note: The player is installed per user, so make sure to install it while logged in as the user who will be designated for running OnGuardS2.

Click the icon ; a popup similar to that below displays. Click to install the player; a standard browser download message will display to install.



- a. Below is an example an example of IE11 download message. Click Run to install.

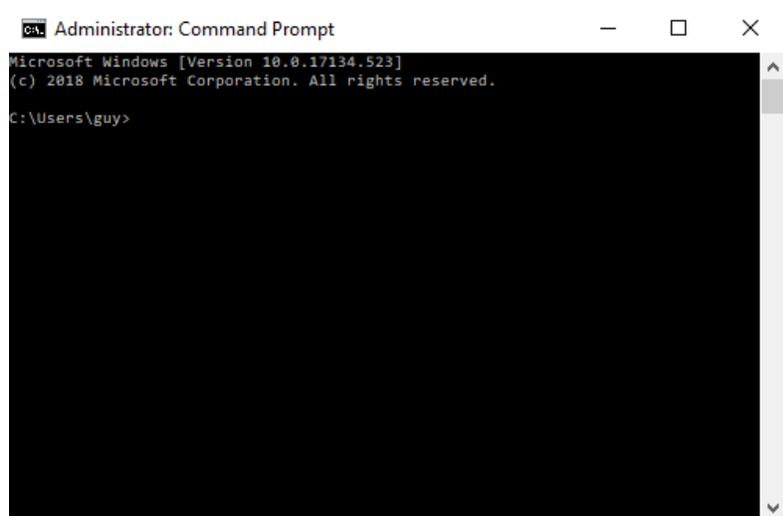


- b. Follow the installation instructions, close the browser and launch it again after the installation is complete. The player should now be installed and will work to display video.
3. Once installed, verify that you can drag a camera to the display area and view video. Approve the required firewall and Windows access.

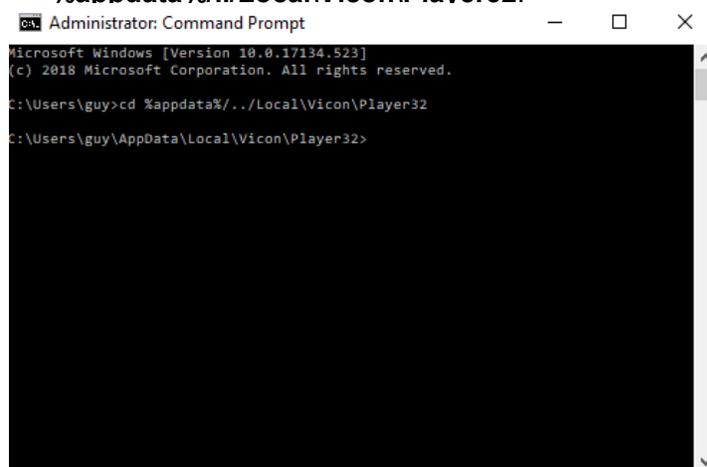
Note:

If video is not displayed in the Valerus Client then video will not be seen in OnGuardS2.

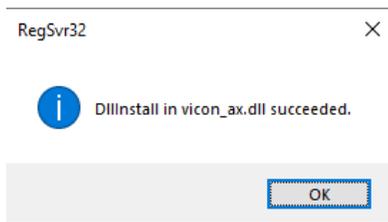
4. Once the player is installed, it needs to be registered in the local O/S to be able to communicate with OnGuardS2. Follow the steps below:
 - a. Click on Windows start and type CMD. Right click on "command prompt" and choose to run as an administrator.



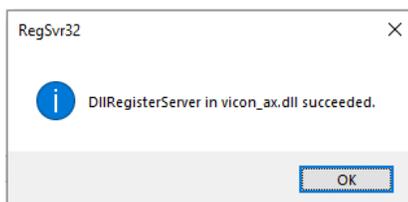
- b. Navigate to the player installation path by copying the following and pasting it in the command prompt **cd %appdata%/../Local\Vicon\Player32.**



- c. To unregister the player from the local user path, copy and paste the command in the command prompt **regsvr32.exe /u /n /i:user vicon_ax.dll**; you should get the confirmation pop-up below.



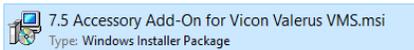
- d. To register the player in the local system path, copy and paste the command in the command prompt **regsvr32.exe vicon_ax.dll**; you should get the confirmation pop-up below.



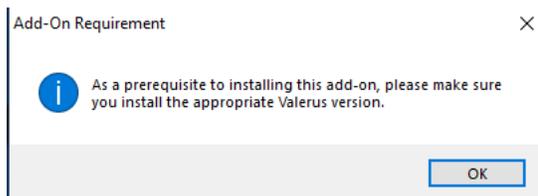
Note:

If required, Vicon can provide the commands above in a batch file; contact Vicon Technical Support as needed.

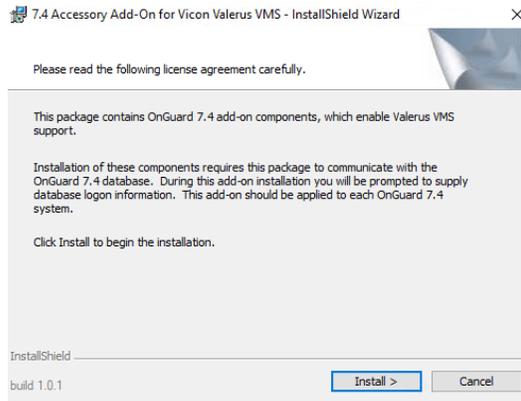
- 5. Install the “Valerus Accessory Add-On” available from Lenel. Follow the steps below.
 - a. Run the installer you received from Lenel. Make sure it matches your OnGuardS2 system version.



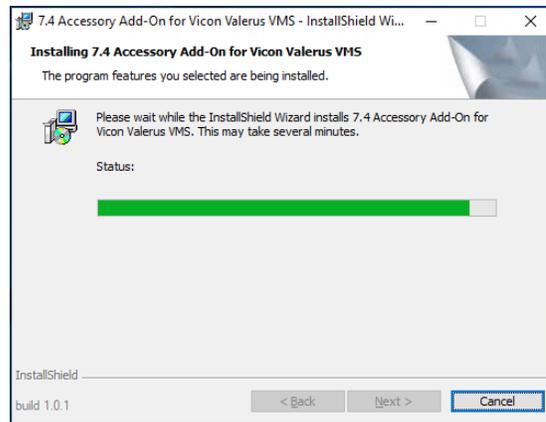
- b. A message will display reminding you to have Valerus installed on the PC and the player steps are complete.



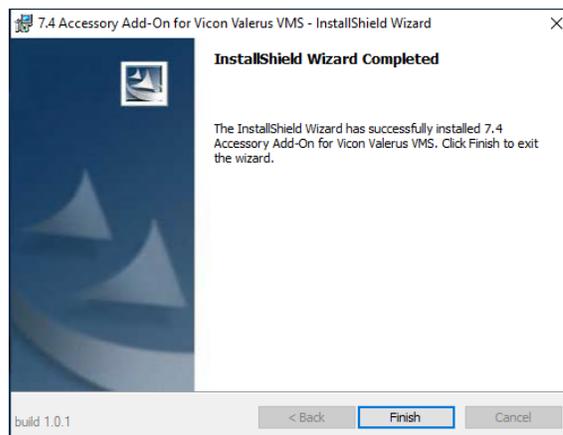
- c. Read and click Install to proceed.



- d. Allow the installation to complete; this may take a few minutes.



- e. Click Finish.



- 6. You may need to reboot the PC for all installations to take effect.

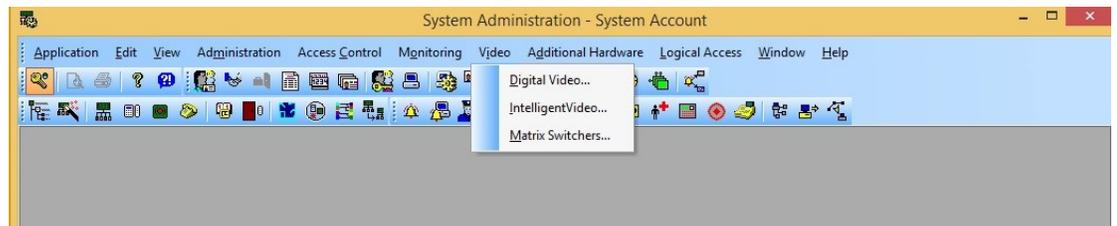
Connecting OnGuardS2 to Valerus

Once all installations have been completed you can proceed to add the Valerus VMS to OnGuardS2.

1. Run OnGuardS2 System Administration Application and log in.



2. From the Video menu select Digital Video.

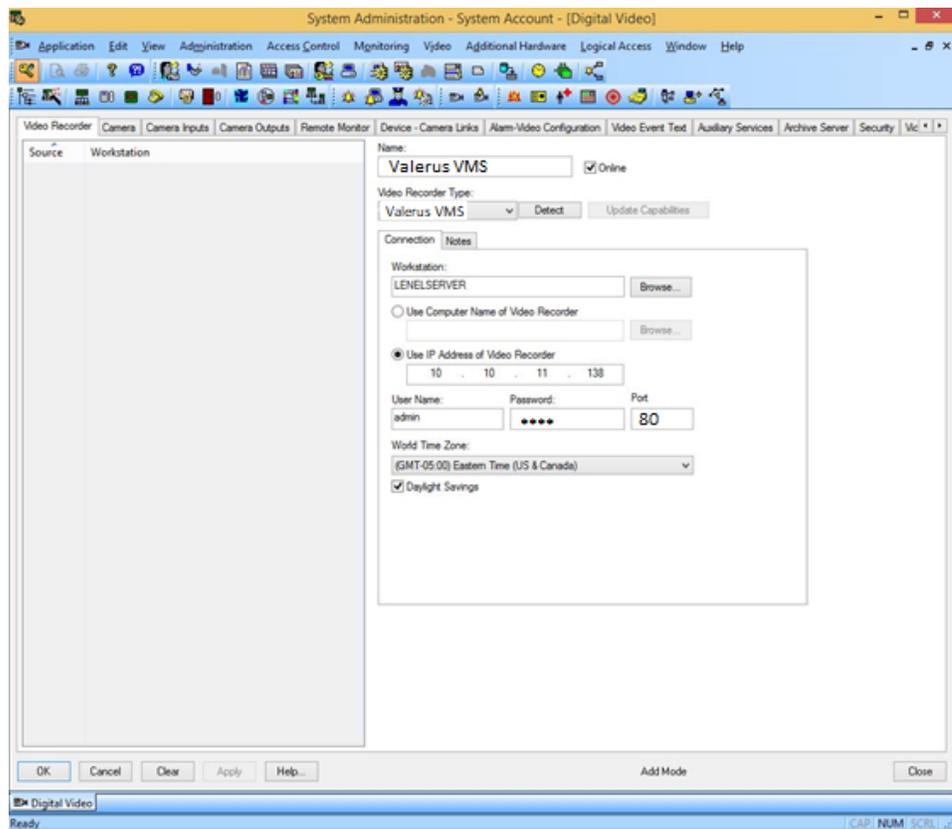


3. Under the Video recorder tab add the Valerus VMS.

Note:

In this integration the entire VMS is added as one "large" video recorder.

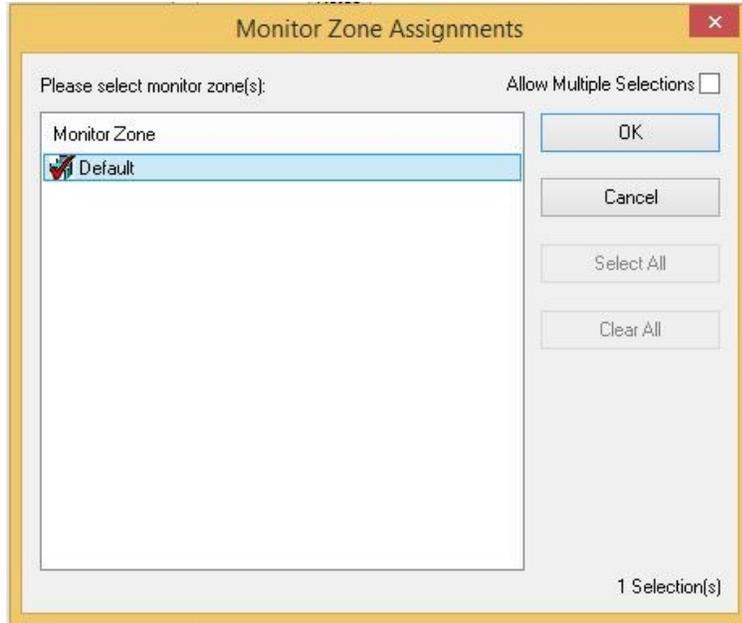
- a. Name: can be any logical name
- b. Type: Valerus VMS
- c. Workstation: provide the OnGuardS2 server name
- d. IP: the IP address of the Valerus Application Server
- e. User/password: the username and password to connect to the Valerus VMS. A Username has to be provided and may not be blank (will cause comm server crash)
- f. Rest of the fields as needed



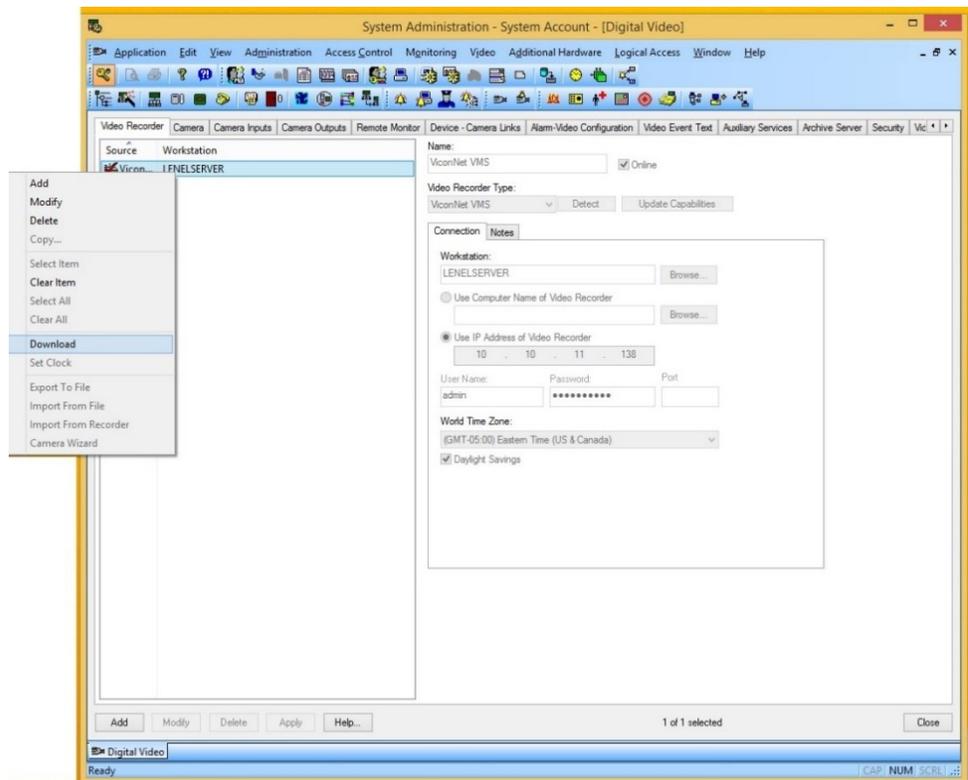
4. The following message will be shown when the Video Recorder has been added.



5. You will be asked to set the monitoring zones for the video system at this time.

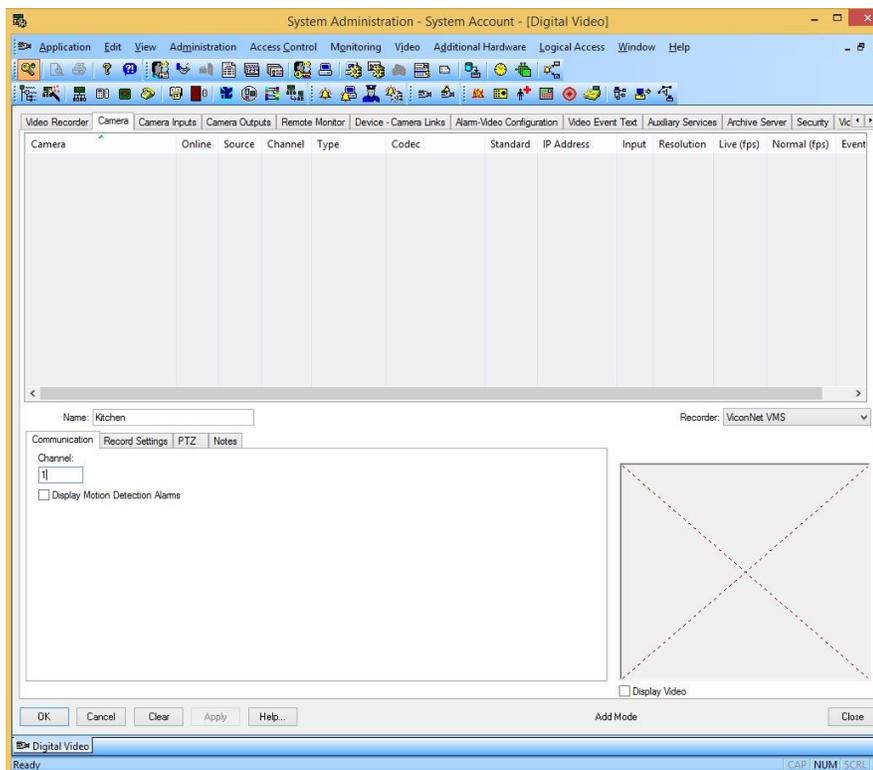


6. To perform a full download, right click on the added recorder and select download.

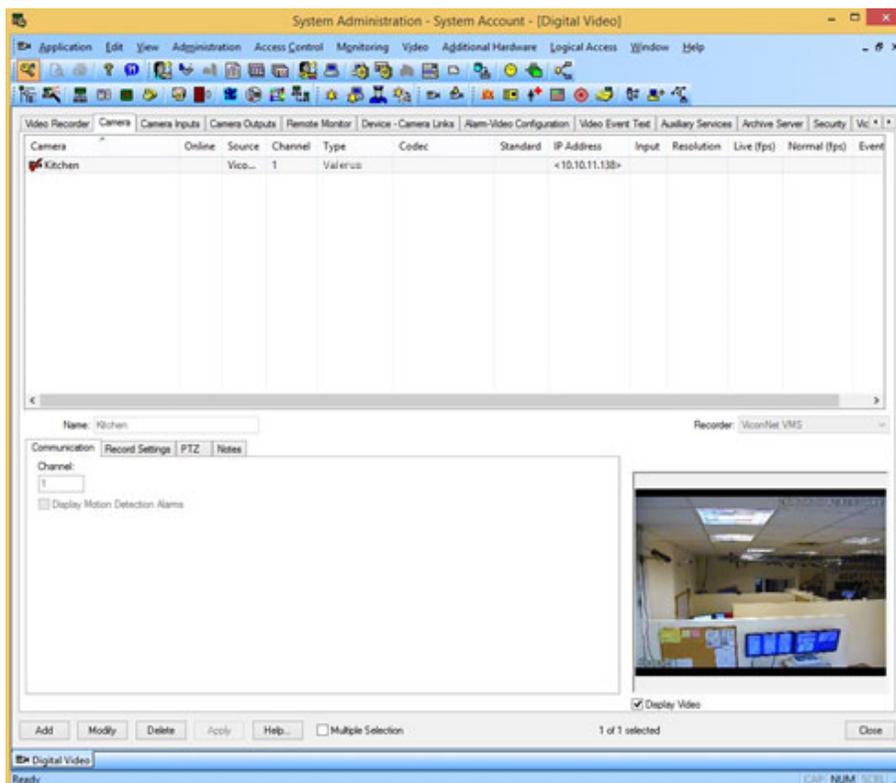


7. Switch to the camera tab and add the cameras. These will be cameras with **Numeric IDs** defined in Valerus.
 - a. Name: logical name for the camera
 - b. Channel: the 2nd ID number assigned to this camera in Valerus

- c. Recording and PTZ settings where relevant
- d. Rest of fields as needed



8. Once added, you can check the display video box to load the camera.



OnGuardS2 System Operation

Once the Vicon Valerus Video Management System (VMS) has been added to the system, use the OnGuardS2 Administrator and monitoring workstation software to continue to setup the operation. Refer to the OnGuardS2 manual for further details.

Supported Functionality

The following functionality is supported through the Valerus OnGuardS2 integration:

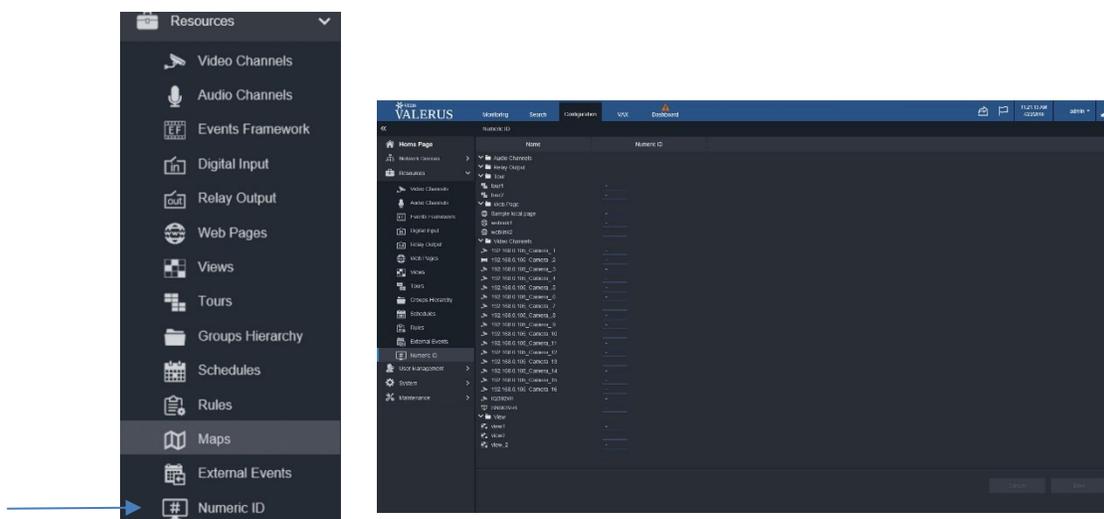
Video Feature	Status
Live Video	√
Text Overlay	×
Pre-Recorded Video Playback	√
Status	√
Export Video	√ Vicon format
Time Synchronization	√
Record Start (On Demand)	N/A System is assumed to be recording
Frame Rate Adjustment	N/A
Record Stop (On Demand)	N/A System is assumed to be recording
PTZ (Domes only)	√
Video Alarms	√
Video View Up to 16 Cameras	√
Presets	√
View Live & Recorded Video from Multiple Cameras via Popup	√
PTZ Presets based on Event, Alarm Input	√
Replay Up to 4 Cameras for Same Time	√

Toggle Video Window Size from 1x to 4x	√
Original Recorded Video Cannot be Altered	√
Playback and Recorded Video in One Window	√
Bi-Directional Actions	×

Appendix A

Adding a Numeric ID in Valerus

1. In Valerus enter Configuration and select Resources.
2. Click on Numeric ID. A list of resources currently in Valerus will display. A column next to the resource is for adding a Numeric ID. This will either display a number or say Not Set.
3. To give a resource a numeric ID, click on the resource name. The Numeric ID field will become active. Enter the ID number into the field.
4. If a number is repeated on a different resource, it will display in red. Change the number; each device must have a unique number to identify it.





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