User Guide

VN-DSX INT
ViconNet Version 8.0/DSX Integration Software

XX188-10-00

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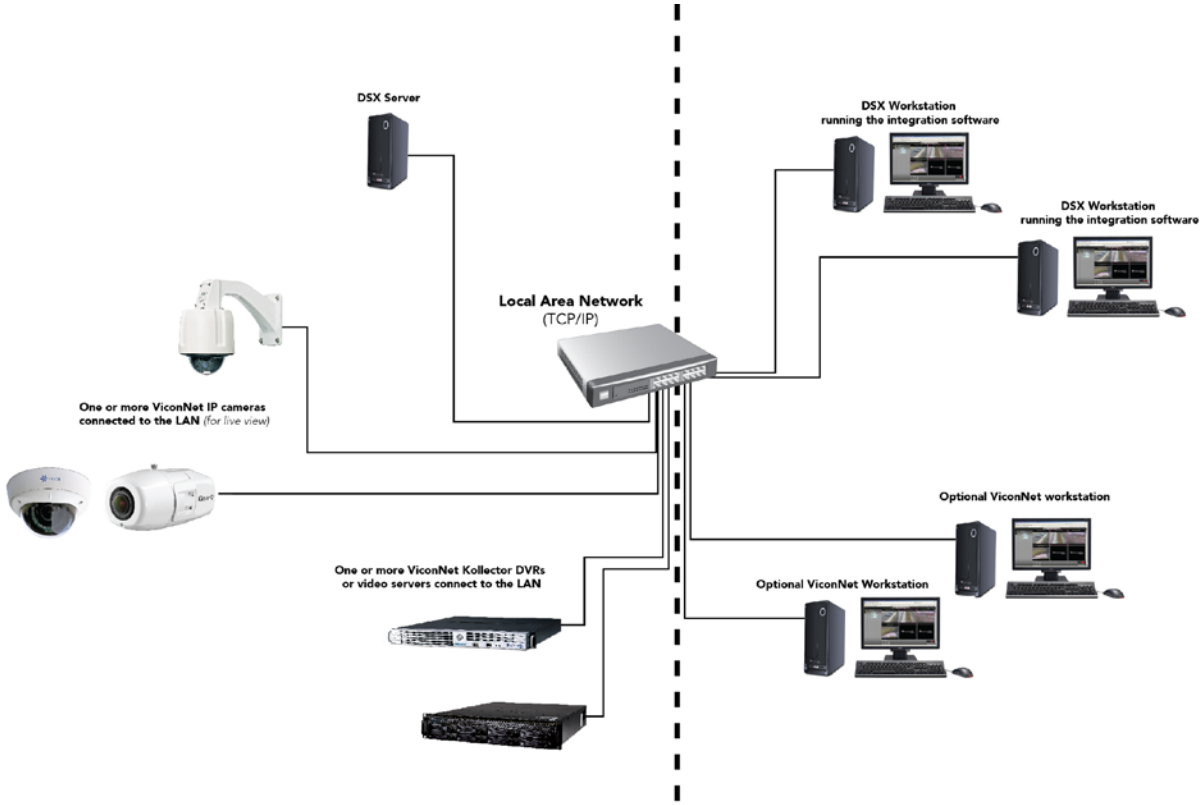
General

The integration between ViconNet and DSX access control is enabled using a special software package created by Vicon. This package is designed to work with DSX systems that support ViconNet (Win-DSX 3.11.7 or DSX-SQL 4.10.21 and higher).

ViconNet 8.x needs to be installed on the DSX workstation (client PC). Note that the integration cannot run, and therefore should not be installed on, the same PC running in parallel any other ViconNet application such as an NVR or workstation.



Prerequisites

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

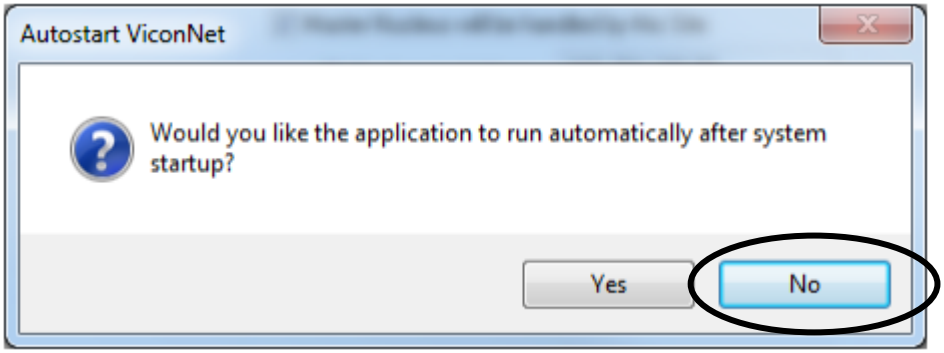
1. An installed DSX system exists on the network and is running a version that supports ViconNet (Win-DSX 3.11.7 or DSX-SQL 4.10.21 and higher)
2. Existing DVR license obtained from DSX either on the database or using a USB key on the client PC
3. An installed ViconNet system exists on the network running ViconNet ver 8.x
4. The PC used as the DSX workstation and that will be used for the video integration complies with ViconNet minimum requirements:
    a. i5 processor or higher
    b. Minimum 4GB RAM
    c. Strong display card with 256M RAM (see ViconNet spec for further details)
    d. 20GB of free space on hard drive
5. Verify the target PC has network connection to the ViconNet system
6. Verify the target PC does not have ViconNet installed
7. Verify that you have administrator rights for the installation

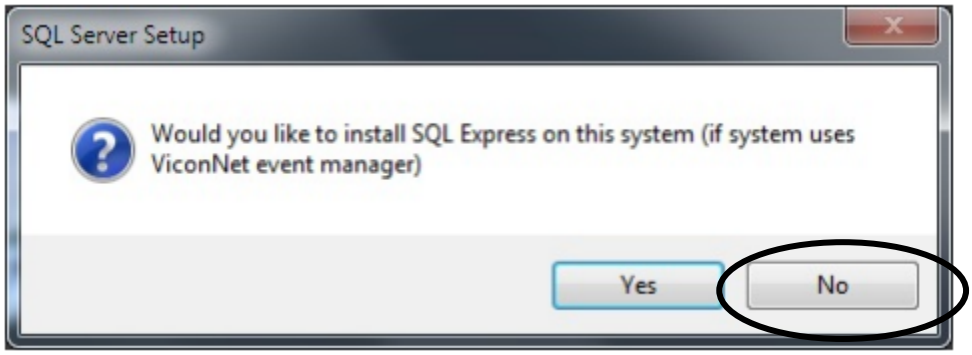
Installation

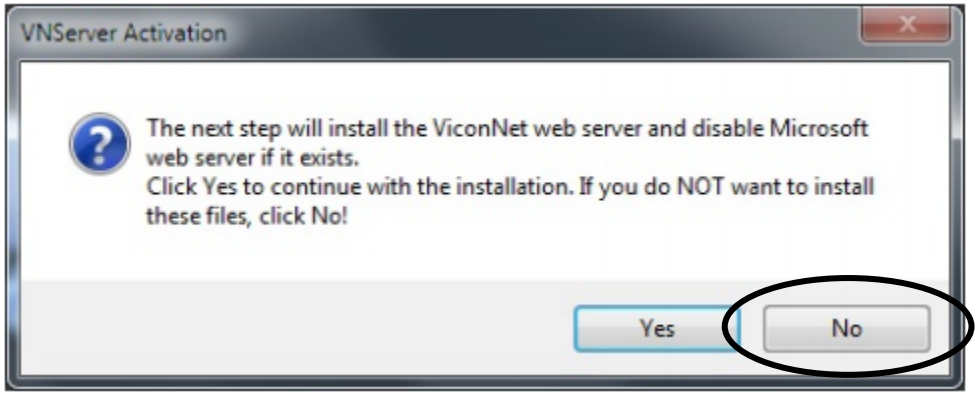
On the computer running the DSX client software and meant to be used for video monitoring as well, install the latest copy of ViconNet 8.x following the standard installation instructions that can be found on the Vicon web site.

Important: ViconNet must be installed into the default location C:\ViconNet

During the installation answer **NO** to the following questions:



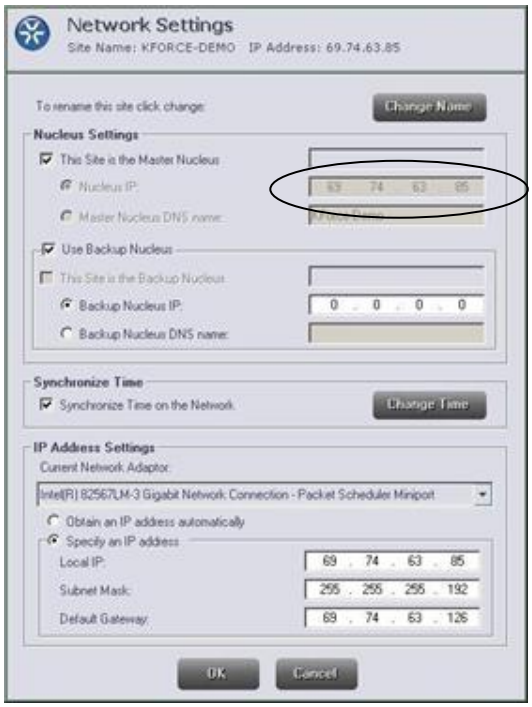




Note: There is no need to license this viewer.

Post Installation

Once fully installed, run ViconNet once and set it to point to the ViconNet Nucleus this system is using.



Enter the Nucleus IP address as it is set up in the ViconNet system.

Once connected to the Nucleus you can exit ViconNet and delete the shortcut from the desktop to prevent someone from accidentally running ViconNet on this computer, causing the DSX integration UI to fail.

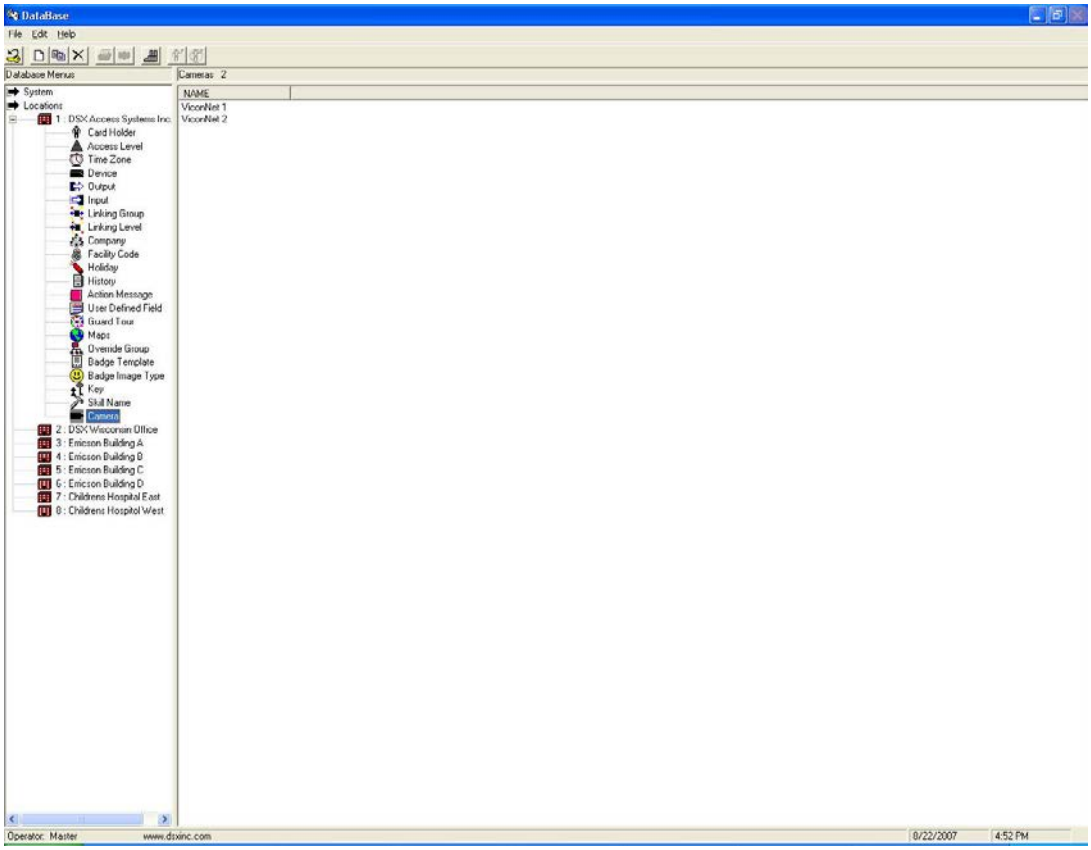
ViconNet Authorization

In order to work properly, the DSX integration package will need to have authorization to view live, playback and control PTZ cameras. If there is a problem with using the admin rights for this package, you will need to create a new group and user in the ViconNet system Nucleus and set the authorization as described in the ViconNet software manual.

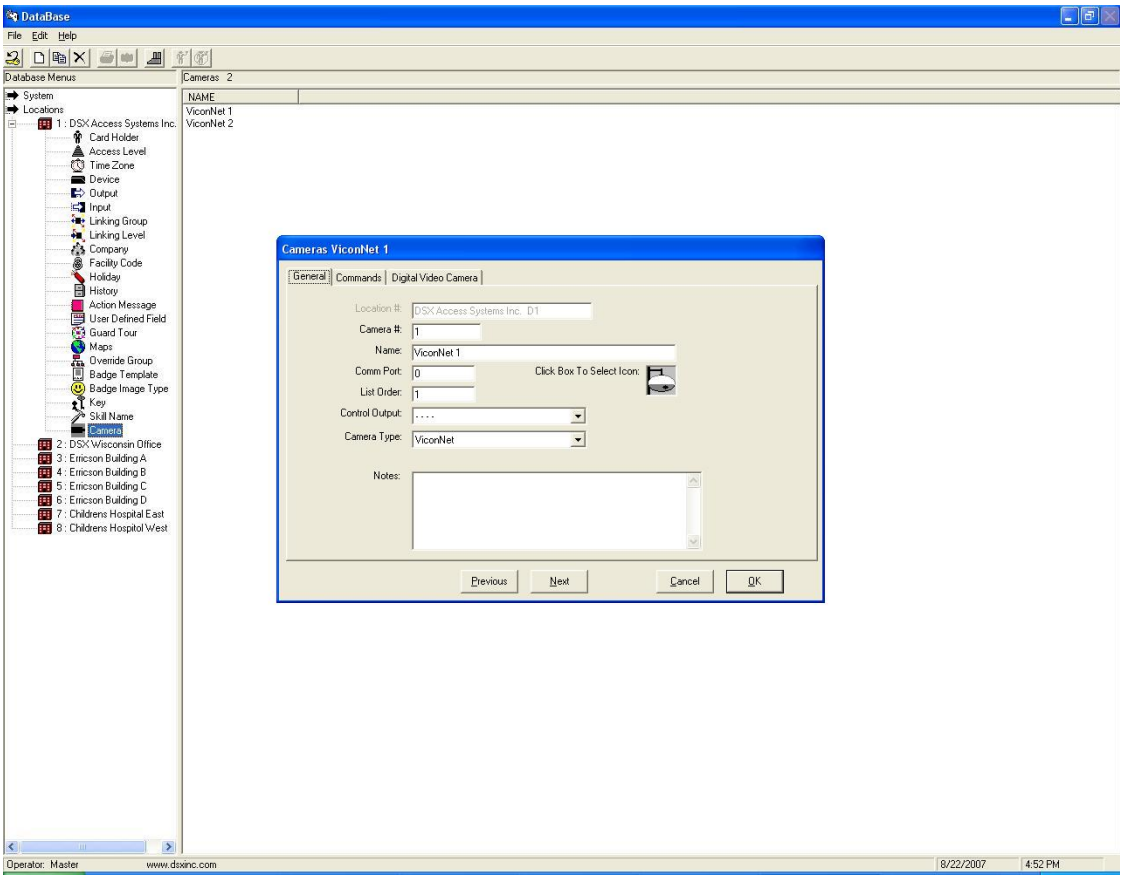
Configuration

Configuration of the system is done through the DSX database configuration.

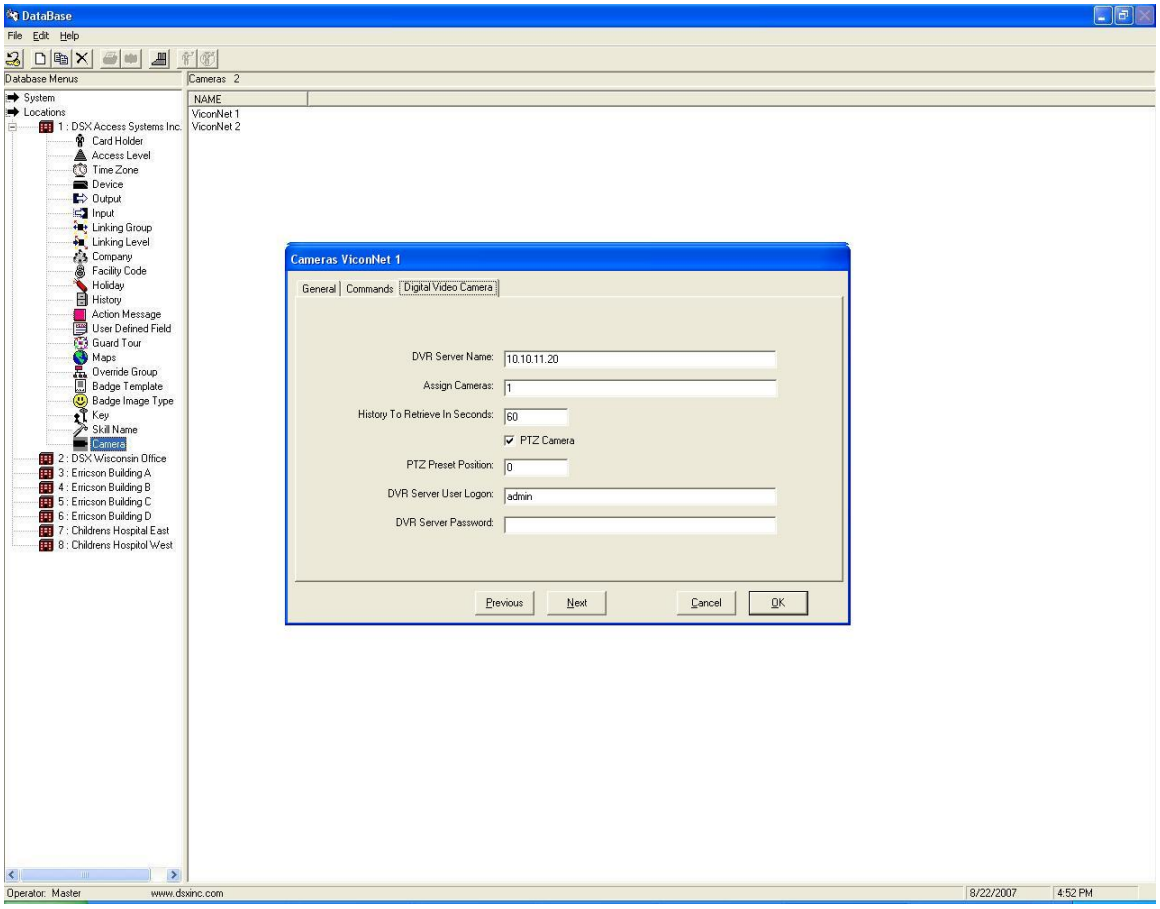
1. Configure the camera or camera groups.
    a. From the Main database screen, select your location and then select camera(s).



    b. Click on File -> Add to add a new camera; provide the following:
    c. General tab –
        i. Camera number – the number in DSX camera list
        ii. Camera name – the name that will show on the DSX camera list
        iii. Com port – 0
        iv. List order – order on the DSX list; Vicon recommends using the cam no. from item i
        v. Control output – according to DSX system
        vi. Camera type – ViconNet (Win-DSX 3.11.7 or DSX-SQL 4.10.21 and higher)



d. Digital video camera tab –
   i. DVR server name – the IP address of the DVR with the camera or IP camera or video encoder and the IP address of the unit (DVR/NVR) recording that camera, separated by a coma (i.e., 10.10.10.5, 11.11.11.3 will be for a camera on IP 10.10.10.5 recorded on NVR with IP 11.11.11.3)
   ii. Assign camera – the camera number on the DVR/IP camera/server (IP cameras typically have a single camera so use 1)
   iii. History – 60
   iv. PTZ – check the box if this is a PTZ camera
   v. PTZ preset – preset number to go to when video starts (on PTZ cam)
   vi. DVR user login – user name to login to Nucleus (see authorization remark on page 5)
   vii. DVR password – password for the user login to Nucleus as set up in ViconNet



e. Configure the rest of the DSX events to support cameras (consult DSX manual for assistance)

Initial Testing

After all configurations are made, you should be able to right click on a camera name and request live video. This will bring up the video window with the selected camera.

There is no need to close the video window.

Advanced Testing

After the camera to event settings are done on the DSX system, you will see a mark next to events that have a camera (on DSX workstation). Those marked events can be right clicked and call live or playback video.

DSX – ViconNet User Interface

The cameras called up as a result of DSX events will be shown in a dedicated user interface created specifically for this purpose. This UI will automatically populate the cameras associated with a certain event as set up in the DSX system.

The user interface also offers buttons allowing resizing of the window, changing the layout, control of PTZ camera in display as well as playback controls for cameras playing back.

DSX-ViconNet
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Zoom In
Zoom Out
STOP
Exit