

ZNS NVR

Quick Start Guide

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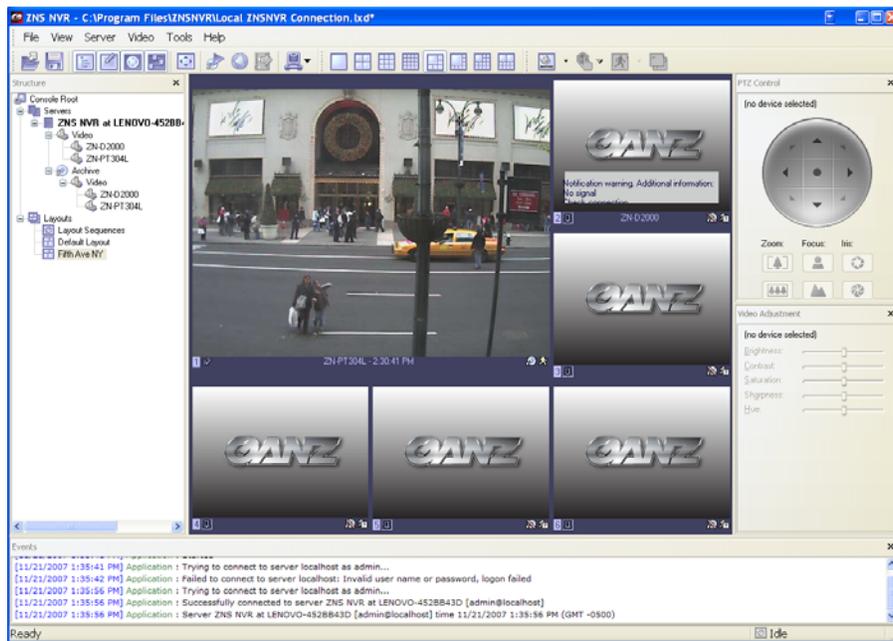
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ZNS NVR

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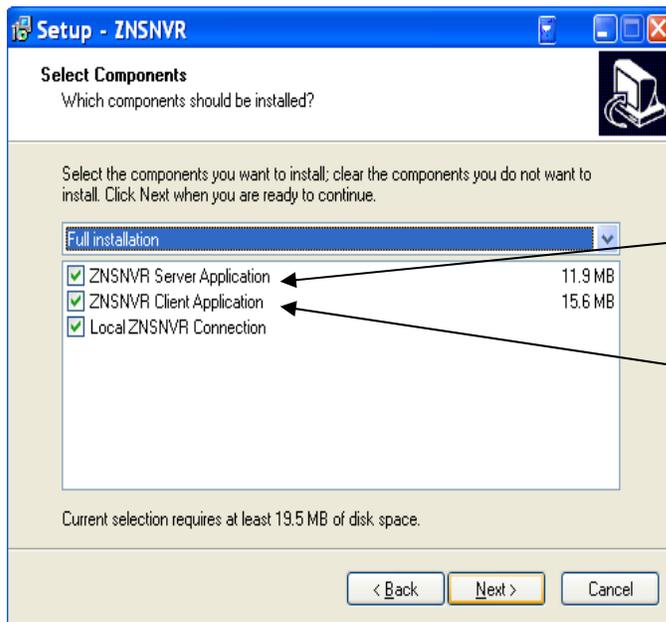


Quick Guide

Installing the Software

ICON KEY

1. Run the file Setup.exe from the location you have saved it to.
2. When the installation wizard starts, click Next to continue the installation
3. Read and accept the End User License Agreement.
4. Select an installation directory and click 'Next' to continue.
5. Select components you want to install, then click 'Next' to continue



ZNS NVR:

The ZNS NVR DVR package consists of (2) **two** applications:
The DVR Server and The DVR Client.

- The **DVR Server** is a behind-the-scene application that captures, processes and records video and then serves it to a local or remote DVR Client software.
- The **DVR Client** is the application that shows live and recorded video streams from a single DVR Server or multiple DVR Servers; it also allows users to configure and control DVR Server(s).

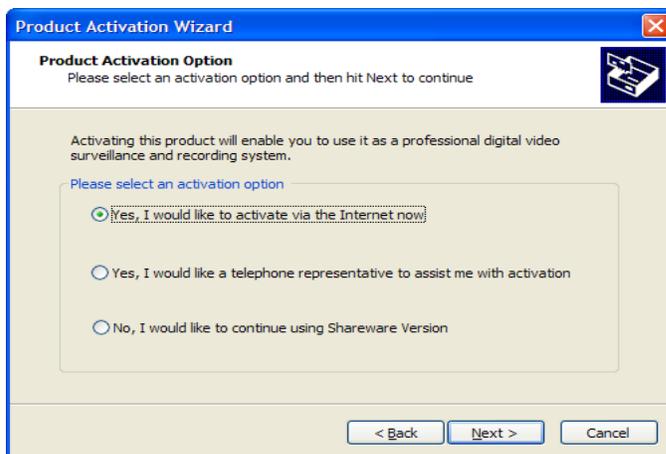
6. Select a folder that holds the program shortcuts, then click Next
7. Select the additional tasks you would like Setup to perform while installing ZNSNVR, then click Next.
8. Setup gives a summary of your preferences. Click install to continue with the installation, or click Back if you want to review or change any settings

Installation, Activation and Initial Setup

Note: There is only one installation package for both the DVR Server and the DVR Client. During the installation process you will be presented with a choice to install either both of the available applications or just one of them.

ICON KEY

1. Activation Wizard will be launched automatically right after Setup Wizard, if this is the first installation. When the Activation Wizard starts, click Next to continue.
2. Chose Activation method



The DVR Server requires activation with the Activation Key provided to you when you bought the product. The DVR Server can only be activated on one computer. Once the activation Key has been used, it will no longer be valid and unable to activate any DVR Server on any other computer. However, you can skip the activation process if you would like to try our product first. The DVR Client software does **NOT** require activation and can be installed on as many computers as you want.

The subsequent DVR Server Setup Wizard will walk you through all of the steps in order to help you setup your DVR Server. It will help you with tasks such as: enter unique server name, administrator login setup, enable access from remote DVR Clients and TCP/IP port selection, application running mode. You can always come back to this Wizard later to change your settings though the Start Button Menu.

1. Enter server properties such as your machine unique identifying name and server title. Then click next
2. Enter server Administrator settings. Leave the default user name to 'admin' and enter a unique password in both lines. Then click Next
3. Enter server Network settings. The default port that ZNS NVR uses is 60554.
4. Chose Server Execution mode

Note: The DVR Server **could** run as a **Windows Service** (this means the software will be fully operational even if nobody has logged into Windows) or as an **Application** (this option requires the software to be manually started). It is recommended to run the DVR Server as a Windows Service (only requirement is the system is on). However, if you are evaluating this product, this option will not be available to you.

5. Start ZNS sever now by clicking the 'Start Server Application' button. Then click Next to complete wizard.

Adding a Server

Note: When you start the DVR Client for the first time the Add Server Wizard will automatically open.

ICON KEY

Add Server Wizard

Adding New Server
Server Properties

Server IP Address: localhost Specify "localhost" for local connection

Server Port: 60554 Leave empty for default value of 60554

User Name: admin

User Password:

Options:
 Remember password
 Auto connect on start
 Auto reconnect on disconnection

Server Title:

< Back Next > Cancel

Server:

SERVER: To add a server you will need to know the servers's IP address. If you are running the DVR Client on the same system as the DVR Server put *localhost* as the IP.

IP Port: if you leave this blank, the default port 60554 will be used.

User and Pass: Enter a username and password. Later you can add, remove or modify the server connection information from the Server menu.

Note: The Server connection information can be saved into the DVR Client file (.lxd) through the File menu. These files could be used to group servers, to share connections with others, etc.

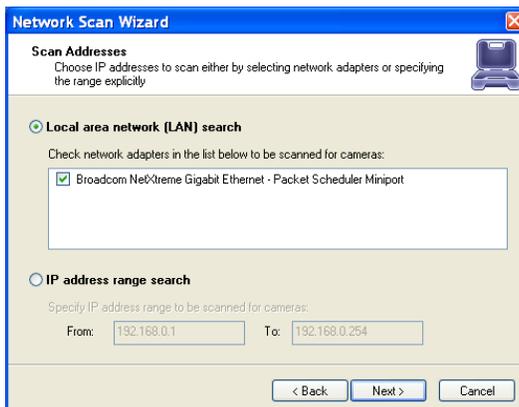
Adding Cameras to the Server

Note: you will need to go through the Camera Setup Wizard to initially configure those cameras. You may start this operation from: Server->Selected Server->Task->Camera Setup Wizard. **Remember that each Network Camera and Server has to be configured to your network settings using the manufacturer's software prior to adding it to a ZNS NVR DVR Server.**

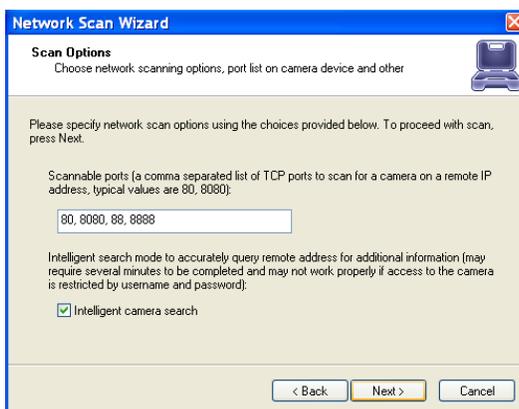
ICON KEY

There are two ways to add Network (IP) cameras or Network servers: you can run the **Network Camera Search Wizard** (you can start it from Server->Selected Server->Task->**Find Network Cameras**), which will help you to find and add them to a DVR Server or You can add them **manually** from the **Camera Setup Wizard**.

1. When Network Scan Wizard was launched, click Next to continue.



2. Click Local are network (LAN) search, then next



3. Click Intelligent camera search, then click Next
4. Click on Finish

Configuring Cameras

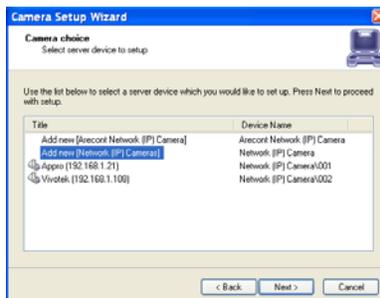
ICON KEY

Cameras:

Each camera has to be configured via the **Camera Setup Wizard** in order to record video from this camera and for motion detection.

The **Camera Setup Wizard** will help you assign names for each camera, adjust the cameras properties (like frame size, etc), select the compression type (it is recommended to always select Enable Server Side Compression if available), setup motion detector and recording settings.

1. Click on Wizard button on toolbar, then pick 'Add, configure or delete camera device...' from the pull down menu.
2. Choose which camera you want to deal with. Pick 'Add new [Network (IP) Camera]' for the new device, then click 'Next'

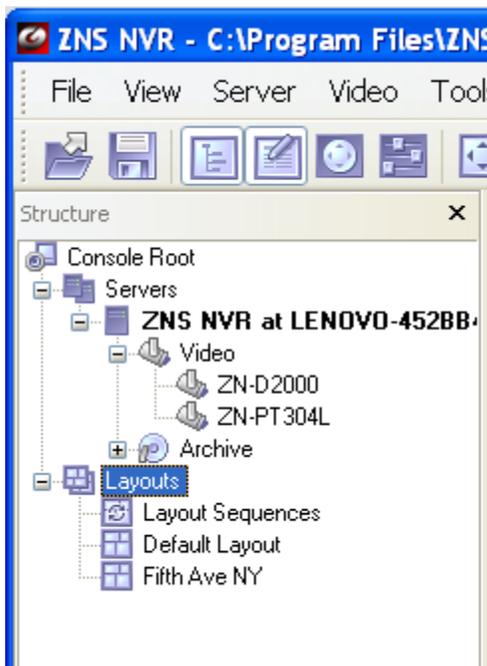


3. If this is a new camera, name your camera first at 'Device Title', then push the 'Properties...' button.
4. Enter the property data of a camera you are going to add to the server, such as driver, IP address, or camera account data. Then click OK.
5. Check the 'Disable server side compression' box, then click 'Next'.
6. Check the 'Use motion detector for the stream being set up', then click 'Next'
7. Check the both 'Video data' and 'Video motion information', then click 'Next'.
8. Camera Setup Wizard shows you the summary of your preference. If it is OK to you, click 'Next', otherwise 'Back' for modification and 'Cancel' for canceling the camera setup.
9. Close wizard by clicking 'Finish'.

Viewing Live Video

Note: You can select any screen arrangement from the menu **View->Screen Arrangement**. However, the most useful configurations are preconfigured and available on the toolbar. To select a video stream into a particular window right click on that window. The Video Stream submenu will open and it will have all available video streams from all currently connected servers to choose from (In order to have a selection in this menu, you must have previously added Servers). Dragging and dropping cameras from the Structure Pane or from any another window into a preferred window of your choice, will also change the selected video stream in that window.

ICON KEY



Layouts:

Any screen arrangement and video stream selections could be saved into the **layout** by selecting **View->Save Current Layout**. Later you can activate, delete, and set up start-up layouts from the **View->Manage Layouts** menu.

Frame rates and video quality will depend on the video capturing device, the available network bandwidth between the client and the server, number of cameras, selected frame sizes, and the compression quality.

Playback

Chapter

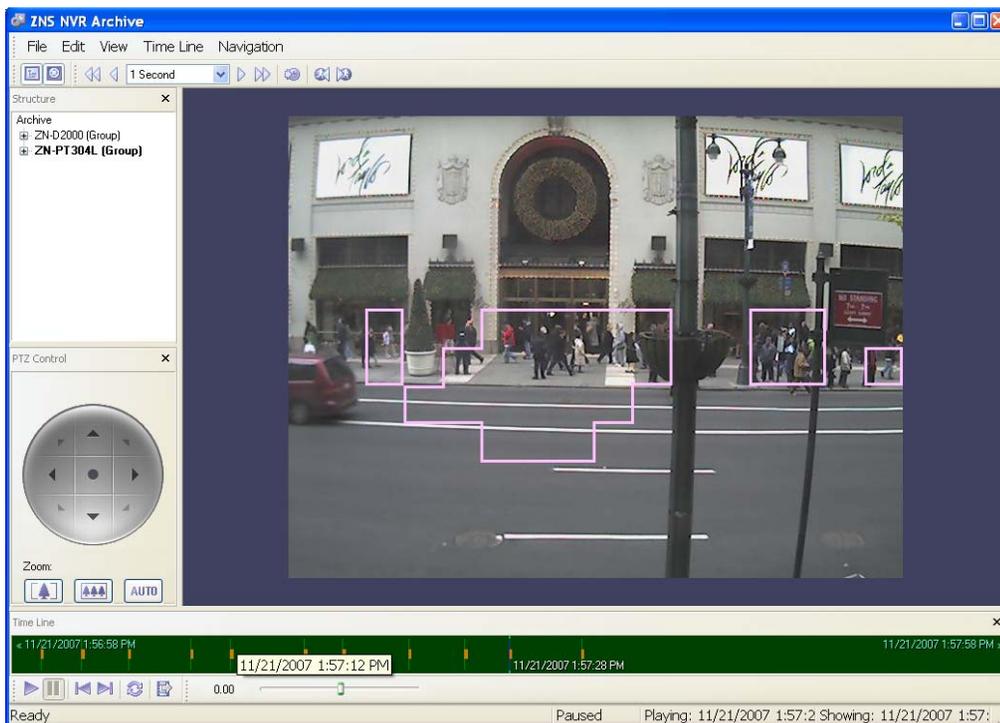
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Note: Playback is accessible only if you have something recorded on the server.

ICON KEY

Play back:

To playback recorded streams select from the menu **Server->Selected Server->Tasks->Open Archive.**



You can select a stream in the Structure pane. All of the video navigation controls are available from the menu Navigation in addition to the sliders in the bottom of the window.