



NVR Professional Edition V2.2.28
NVR Enterprise Edition, V2.2.34

Quick Installation Guide

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1. Administrator's Check List

No	Status	Item	Description	Reference
Pre-install				
1	<input type="checkbox"/>	Check PC requirement	To ensure the software running well, please make sure the PC spec is compatible with the software.	Quick Installation Guide Ch 1-Administrator's Check List
2	<input type="checkbox"/>	Disable UAC (Vista)	The installation process requires that Vista users disable User Access Controls.	
3	<input type="checkbox"/>	Enable IIS Features	IIS allows the machine housing the NVR software to distribute saved video files to remote clients.	
Install				
1	<input type="checkbox"/>	Install Software	Please follow the installation guide step by step to install the software.	Quick Installation Guide Ch 2-Installing the Software
2	<input type="checkbox"/>	Check installation	After installation, please also check the below items before you move to next step. I. License input (not applicable for NVR Professional)	Quick Installation Guide N/A
3	<input type="checkbox"/>	Configure IIS	Configure windows to route remote clients to the directory containing the saved video files.	
Setup				
1	<input type="checkbox"/>	Create Camera Group and add cameras	NVR camera channel management is based on camera groups. Start by creating camera groups and adding cameras. Ex: There are 4 floors in this system. You can start by creating 1F, 2F, 3F, 4F, 4 groups. When adding each individual camera, you can select the group which it belongs to.	User Manual Ch 7 ActiveSetup
2	<input type="checkbox"/>	Configure Camera Setup	Set some camera settings, like PTZ setting, bit rate.	User Manual Ch 7 ActiveSetup
3	<input type="checkbox"/>	Configure Scheduling	Set the recording schedule for each individual camera.	User Manual Ch 7 ActiveSetup
4	<input type="checkbox"/>	Configure Event handling	Set the action desired for different events	User Manual Ch 7 ActiveSetup
5	<input type="checkbox"/>	Configure Storage	Set hard disk arrangement and recording-deletion rule for video recording	User Manual Ch 7 ActiveSetup
6	<input type="checkbox"/>	Configure Preview layout	Set the preview layout during preview	User Manual Ch 7 ActiveSetup
7	<input type="checkbox"/>	Configure E-map (Optional)	Set up E-map if necessary	User Manual Ch 7 ActiveSetup
8	<input type="checkbox"/>	Configure Accounts	Set up user accounts and set authentication levels	User Manual Ch 7 ActiveSetup

Figure 1.1 – Administrator Checklist

2. Operator Check List

No	Status	Main Category	Description	Reference
Setup				
1	<input type="checkbox"/>	Live Preview	Operator should be able to see the live preview and to do basic operations.	<u>User Manual</u> Ch 3 Active Monitor
2	<input type="checkbox"/>	PTZ control	Operator should be able to control the PTZ	<u>User Manual</u> Ch 3 Active Setup
3	<input type="checkbox"/>	E-map Preview (Optional)	Operator should be able to launch the E-map preview and perform basic operations.	<u>User Manual</u> Ch 5 Active MAP
4	<input type="checkbox"/>	Search & Playback	Set the action related to different events	<u>User Manual</u> Ch 4 Active Player
5	<input type="checkbox"/>	Web-client Access operation	Set the action related to different events	<u>User Manual</u> Ch 6 Web-Client

Figure 2.1 - Operator Checklist

3. System Requirements

Supported Operating System and Browser

Supported Operating System:

Operating System	Comments
Windows XP	Windows XP SP3
Windows 2003	Windows 2003 Server, WSS 2003
Windows Vista	Windows Vista SPI, Enterprise or Business Only

Supported Browser:

Operating System	Comments
Microsoft Internet Explorer v6.0	IE 6.0 with the most updated service pack
Microsoft Internet Explorer v7.0	IE 7.0 with the most updated service pack

Figure 3.1 – System and Browser Requirements



NOTE: Windows 2000 is not supported

Recommended PC Specification – 16 channels

Supported PC Specification for 16-channel:

Item.	Specification
CPU	Intel Core 2 Duo 2.4 GHz
Memory	1 GB
Hard Drive Capacity	250 GB
Video Card	nVidia 7600 chipset 256 MB

Recommended PC Specification – 32 channels

Supported PC Specification for 32-channel:

Item.	Specification
CPU	Intel Core 2 Duo 2.66 GHz
Memory	2 GB
Hard Drive Capacity	250 GB
Video Card	nVidia 7600 chipset 256 MB

Recommended PC Specification – 48 channels

Supported PC Specification for 48-channel:

Item.	Specification
CPU	Intel Core 2 Quad 2.66 GHz
Memory	4 GB
Hard Drive Capacity	250 GB
Video Card	nVidia 7600 chipset 256 MB

Recommended PC Specification – 64 channels

Supported PC Specification for 64-channel:

Item.	Specification
CPU	Intel Core 2 Quad 2.66 GHz
Memory	4 GB
Hard Drive Capacity	250 GB
Video Card	nVidia 7600 chipset 256 MB



NOTE: AMD chip and X64 series have not been tested and are not recommended.

Existing Databases

Do not install NVR Professional Edition software on a system running a separate database. This includes Microsoft SQL Server 2000, 2005, MSDE, MySQL, IBM DB2, IBM Informix, Oracle Database or any other SQL Servers. If a database exists on the machine that will house the NVR Professional software, remove it by referring to the Un-install SQL2005 section of this manual.



IMPORTANT: Do not install any database on the system. If there is a pre-existing database on the system, please remove it first. Please refer to the Un-install SQL 2005 section on how to remove it successfully.

4. Selecting Which Program to Install: NVR Professional or NVR Enterprise

Description:

NVR Professional Edition runs on a stand-alone system which will house the video records and manage the device settings. NVR Professional does not allow client access, meaning remote computers cannot view recorded data or adjust device settings.

If a client-server type NVR system is required (multiple users accessing video and device settings from remote locations), exit the installation and select the NVR Enterprise installation from the CD that accompanied the product.

This section covers the NVR Professional Edition installation.

	Recording	Preview	Playback	Client Access
NVR Professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NVR Enterprise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 4.1 – NVR Version Breakdown

Each NVR software package includes:

1. Win32 Service: Recorder, Event Manager, Storage Manager and Streaming Engine
2. Active Monitor, Active Player, Active Map and Active Setup



IMPORTANT: When you install either NVR version, the database installed from previous version NVR will be removed. If that information is important, please make sure you backup the database and restore it later with Backup Wizard..

Note to Vista Users: Disable User Access Control (UAC)

The installation process requires the administrator disable UAC (User Access Control) to initialize the installation. Disabling UAC requires a reboot. Follow the steps below to disable the function now to avoid an error message later.



IMPORTANT: The InstallShield Wizard requires that UAC be disabled.

1. Go to the Start Menu → Control Panel → User Accounts

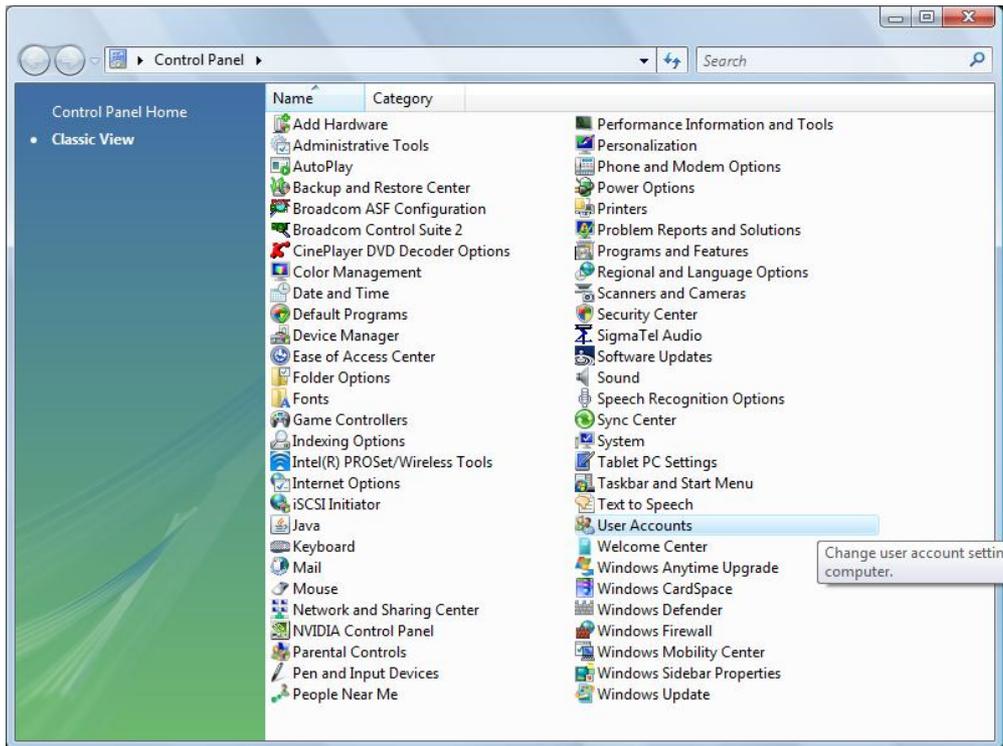


Figure 4.2- Disable UAC - Go to Control Panel

2. Select Turn User Account Control on or off

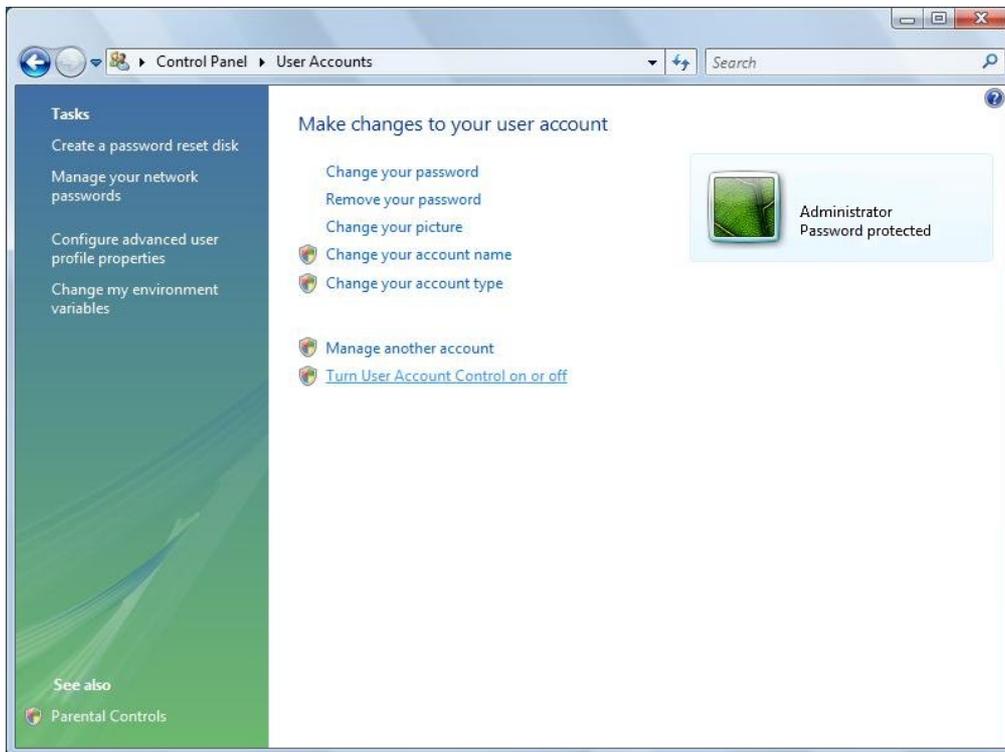


Figure 4.3 - Disable UAC - User Accounts Screen

3. Uncheck box, then click OK.



Figure 4.4 – Disable UAC - UAC Screen

4. System will prompt you to reboot. Do this now, then re-initialize the NVR Installation process.

5. Installing NVR Professional

To continue with the installation of NVR Professional Edition, please insert the CD-ROM that accompanied the product and select Install NVR Professional, then click Save File to begin the installation (see below).

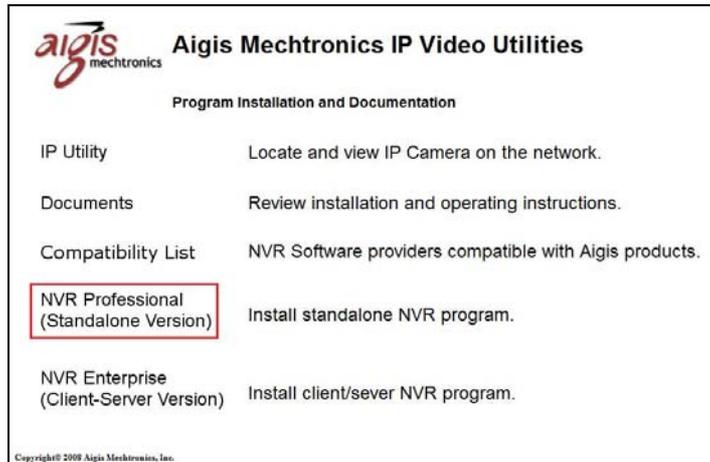
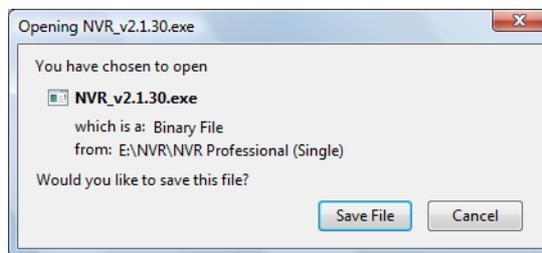


Figure 5.1 - Installation CD Autorun Page



Software Installer

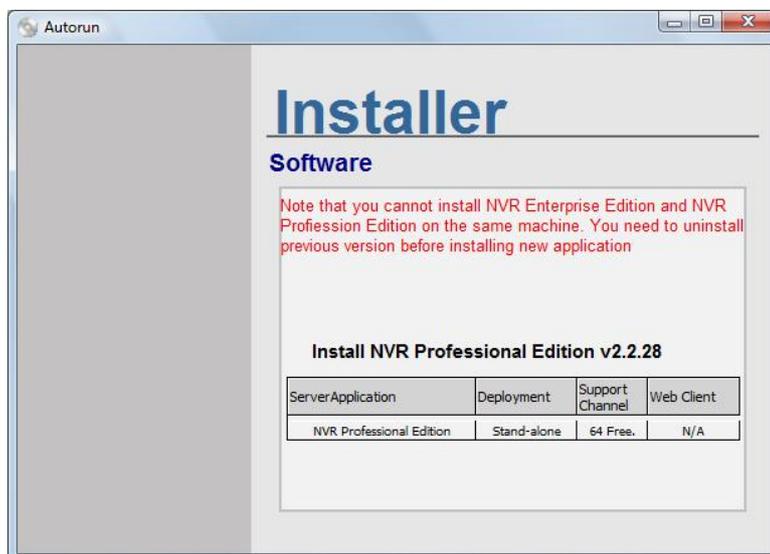


Figure 5.2 - Installation Autorun Screen

Click on the **Install NVR Professional Edition v2.2.28** link

Step I: Backup Database

If you have previously installed a version of NVR Professional and you wish to retain the video data stored in the database, use Backup Wizard to backup your database, then restore it after installation is complete.

For detailed instructions, please follow the instructions below or refer to the [Backup Wizard User manual](#).

If no previous version of NVR Professional exists on the machine, skip to Step 2.



IMPORTANT: Make sure you backup your database using Backup Wizard before installation if you have a previous version of NVR Professional.

Click on the [Step 1: Backup Database Link](#)

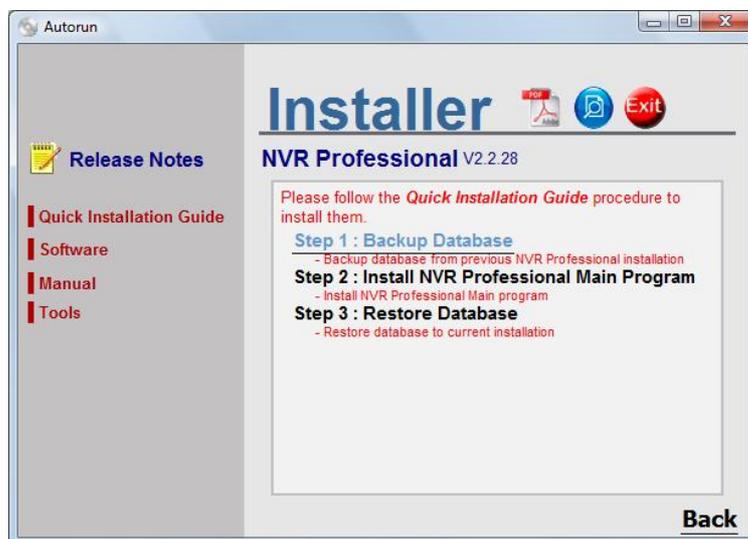


Figure 5.3 - Step 1: Select Backup Database

Enter Info into Backup Wizard

For detailed operation, please refer to [Backup Wizard User manual](#).

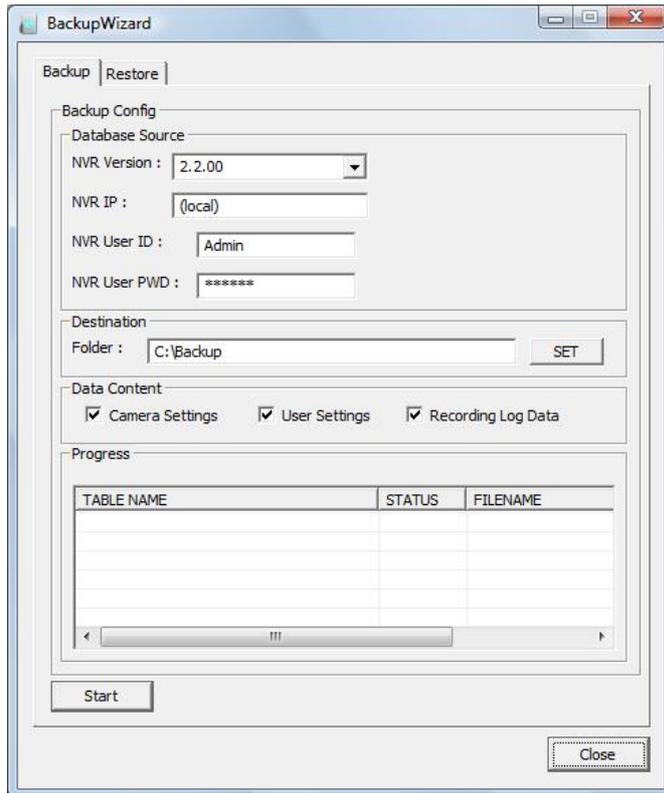


Figure 5.4 - Backup database data from NVR Professional

To backup your database using Backup Wizard, enter the version number, NVR IP address, NVR Admin account and password, database table to backup, and the destination folder for the backup file.

Select the current version of the existing NVR software that is installed on your machine.



TIP: The Backup Wizard will create an Excel file titled **BACKUP.XLS**. This file is stored in the folder specified in **Folder** field. The default destination is: **C:\BACKUP\BACKUP.XLS**



IMPORTANT: You need to provide the correct **NVR Username** and **NVR Password** of your existing NVR software to login to your database and backup the data.



TIP: Please make sure you select the correct version of the NVR software being backed up.

Step 2. Install NVR Main Program

1. Click on Step 2: Install NVR Professional Main Program link

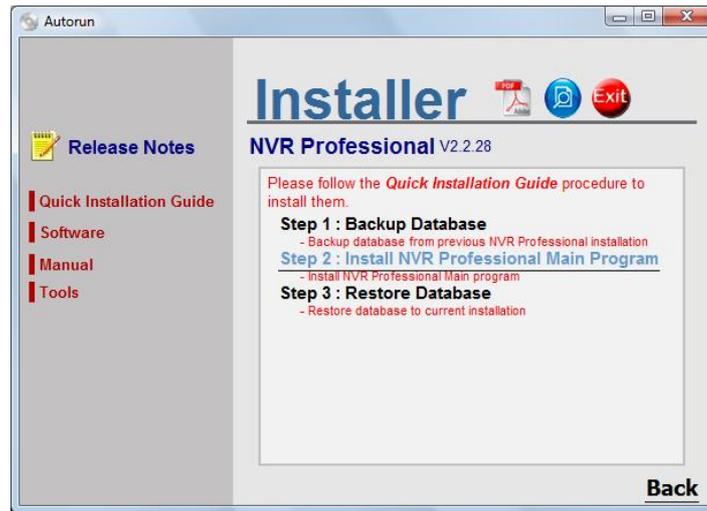


Figure 5.5 - Step 2: Install NVR Main Program

2. Install SQL 2005 SP2 for NVR Professional

NVR Professional requires the installation of SQL 2005 Express. The installation wizard will install SQL 2005 Express SP2 if the database is not found on the machine.

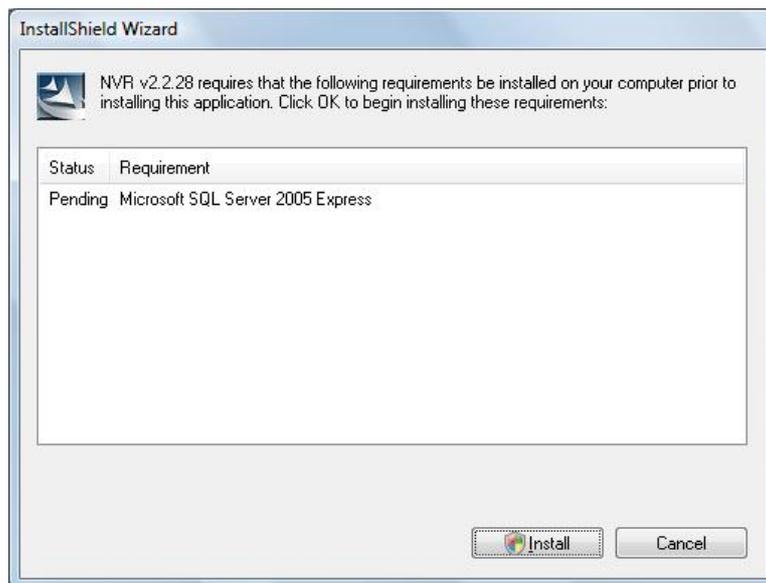


Figure 5.6 - Install SQL 2005 SP2



IMPORTANT: If you use SQL 2005, please upgrade to SQL 2005 SP2



IMPORTANT: You can also refer to the Un-Install SQL 2005 section on how to remove SQL 2005 successfully.

3. Install SQL 2005 SP2 Progress

The installation progress of SQL 2005 SP2 will be displayed as follows...

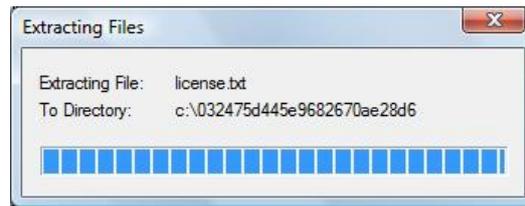


Figure 5.7 - SQL 2005 SP2 installation progress

4. Install NVR Main Program

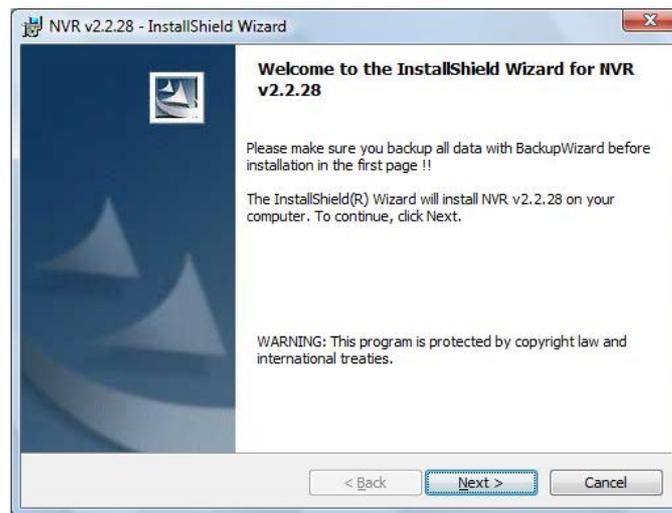


Figure 5.8 - Install the NVR Main Program

Click Next button to proceed to the installation

5. Default Installation Path: C:\Program Files\NVR



Figure 5.9 - Default Installation Path: C:\Program Files\NVR

- I. Click **Next >** button to apply default path to install

2. Click **Change** button to select destination installation path



NOTE: Default Path **C:\Program Files\NVR** is recommended..

6. Install NVR Components

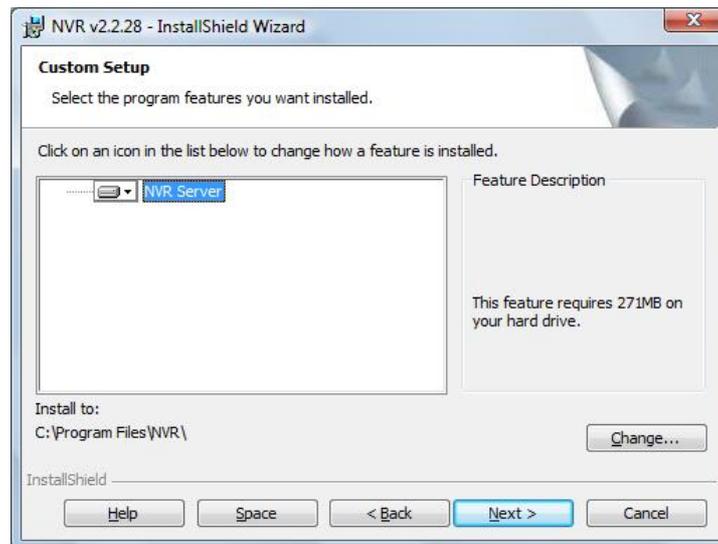


Figure 5.10 - Install NVR Components

NVR Professional does not use any components referenced on this screen. Simply hit Next to begin installation.



NOTE: Select Next to install NVR Professional. Select Change to install the NVR to a different directory.

7. Database designation and setting default login

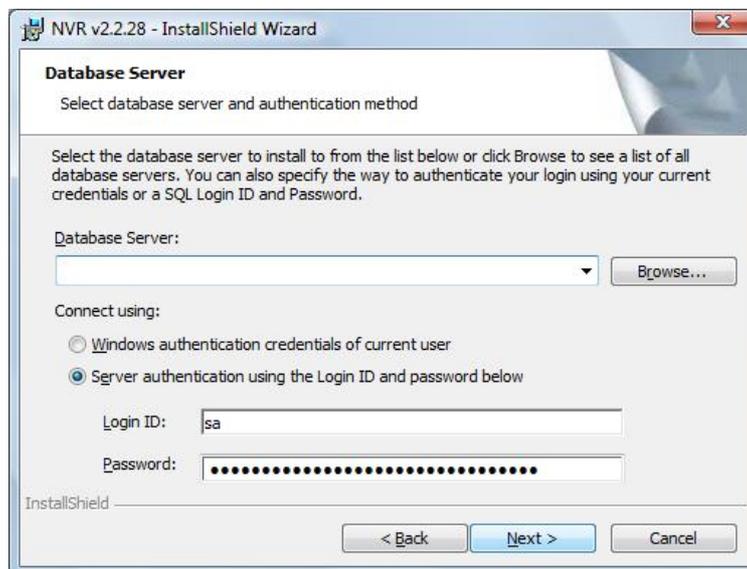


Figure 5.11 - Database designation and setting default login

1. Click Next button to proceed to default value importing. Please do not change default account / password.



IMPORTANT: Do not change the default account / password.

8. NVR Professional Installation Progress Bar



Figure 5.12 - NVR Professional Installation

9. NVR Professional Installation Completed

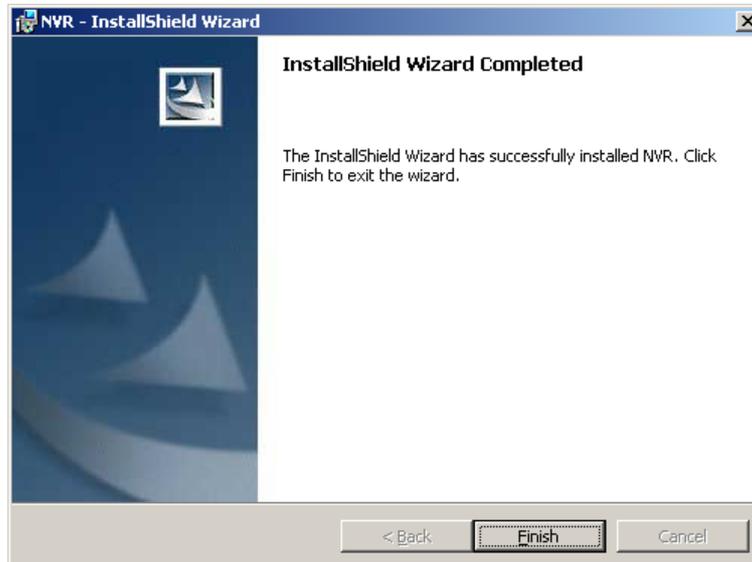


Figure 5.13 - NVR Professional Installation Complete

Click Finish button to complete NVR Professional Installation

10. Restart System

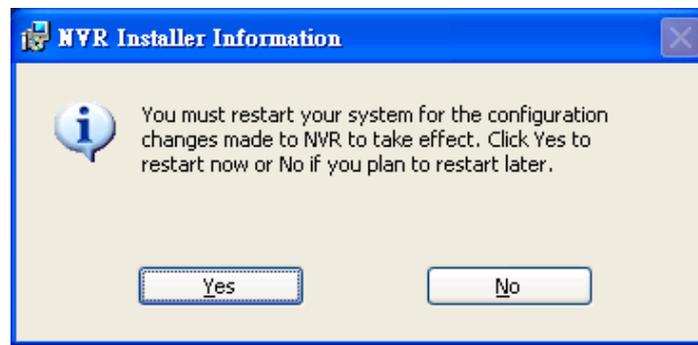


Figure 5.14 - Click Yes button to re-start the system

6. Installing NVR Enterprise

Enable Internet Information Services (IIS)

NVR Enterprise allows remote users to access saved video files. To enable this functionality, Vista users must activate the IIS feature, and XP and Windows 2003 users must install this feature from the Windows installation CD.

Once IIS is enabled, you may proceed with the installation of the NVR.

Please note that once the installation is complete you must configure Windows to direct remote users to the directory containing the saved video files.



IMPORTANT: Enable IIS prior to installation to allow remote users to access saved video files. After installation, configure IIS to point remote users to the directory housing the video files.

Configure Internet Information Services (IIS) and Firewall Setting

Bundled with IIS Server

Name	Bundled with IIS Server?
Windows XP	NO *
Windows 2003 Standard Edition	NO *
Windows 2003 Professional Edition	Yes
Windows 2003 Enterprise Edition	Yes
Windows Storage Server 2003	Yes
Windows Vista Enterprise Edition	Yes
Windows Vista Business Edition	Yes

* Windows Installation CD is required if the Operating System is not bundled with IIS Server.

Enable IIS Status In Windows Vista

Step 1. Click “Control Panel”



Figure 6.1 - Configure IIS – Control Panel



NOTE: NVR Professional supports Windows Vista Business and Enterprise editions only.

Step 2. Click “Programs and Features”

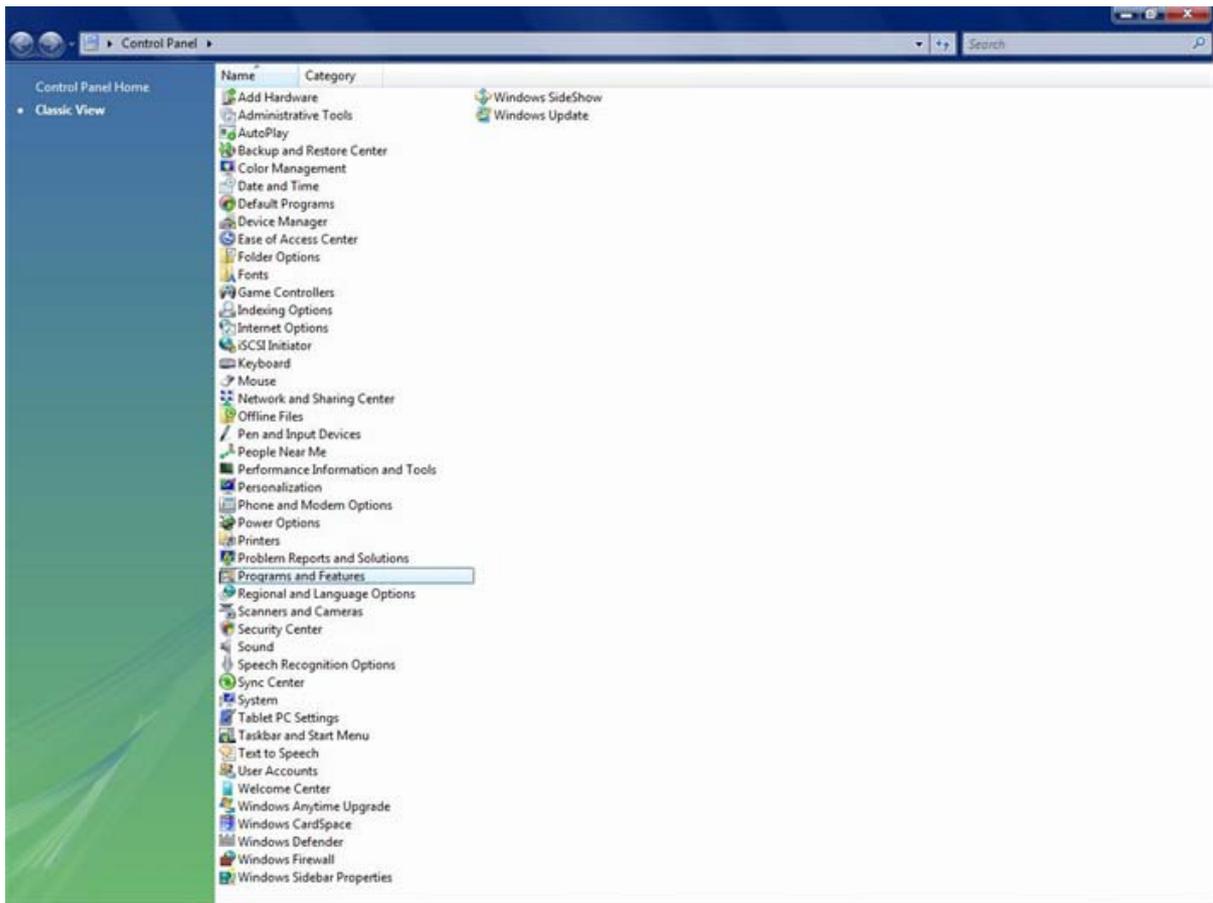


Figure 6.2 - Configure IIS – Programs and Features

Step 3. Click “Turn Windows features on or off” option

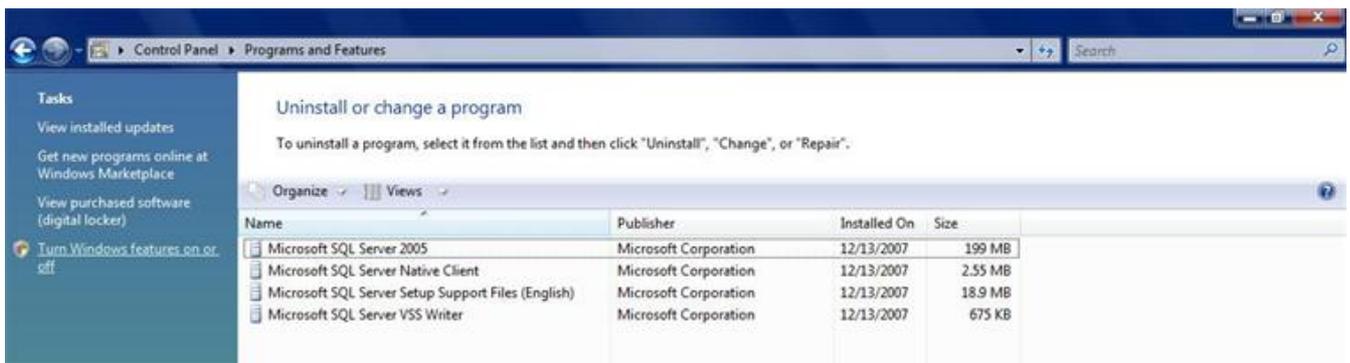


Figure 6.3 - Configure IIS – Turn Windows Features On/Off

Step 4. Select “Internet Information Services”

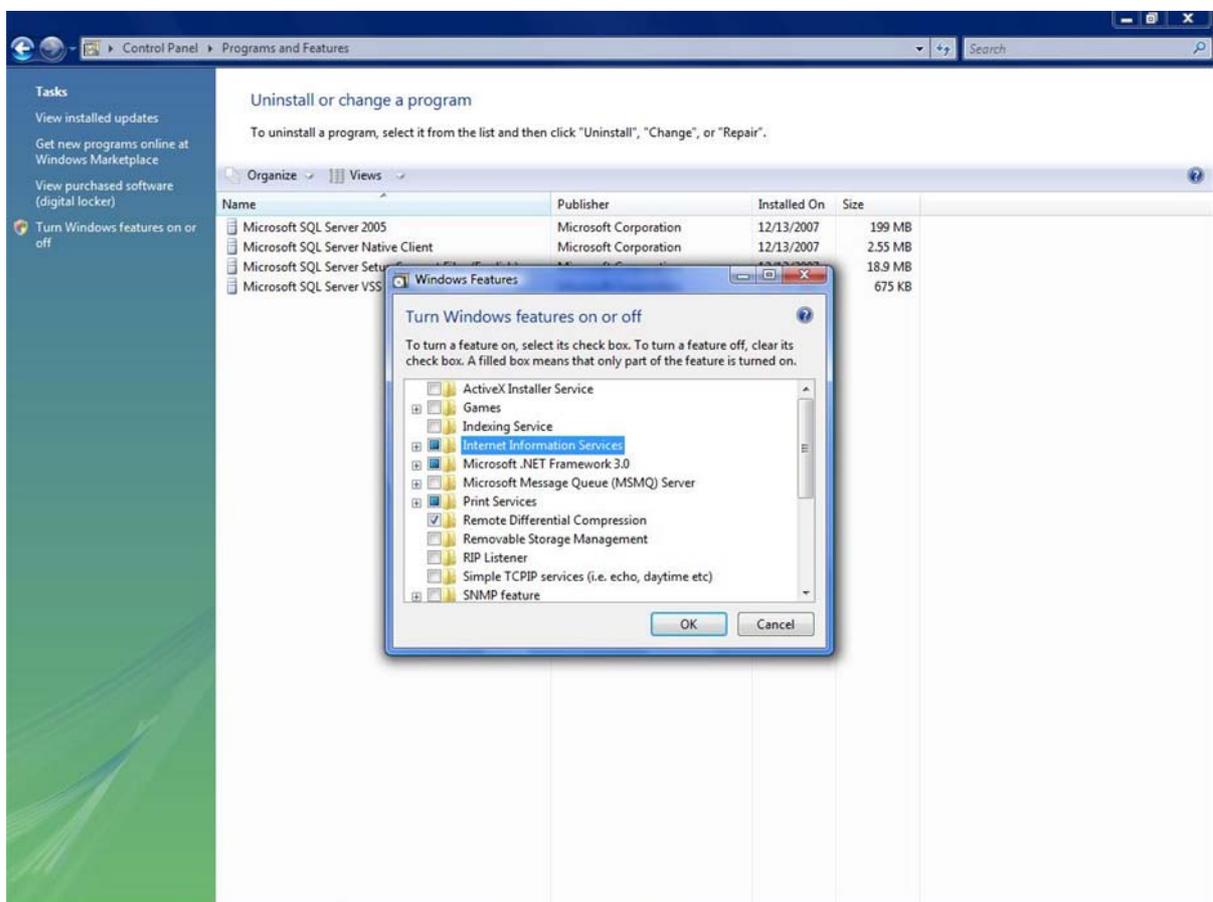


Figure 6.4 - Configure IIS – Select Internet Information Services

Step 5. Enable ASP Programs

Click Internet Information Services → World Wide Web Services → Application Development Features → Click ASP option

Note that ISAPI Extensions will be turned on automatically.

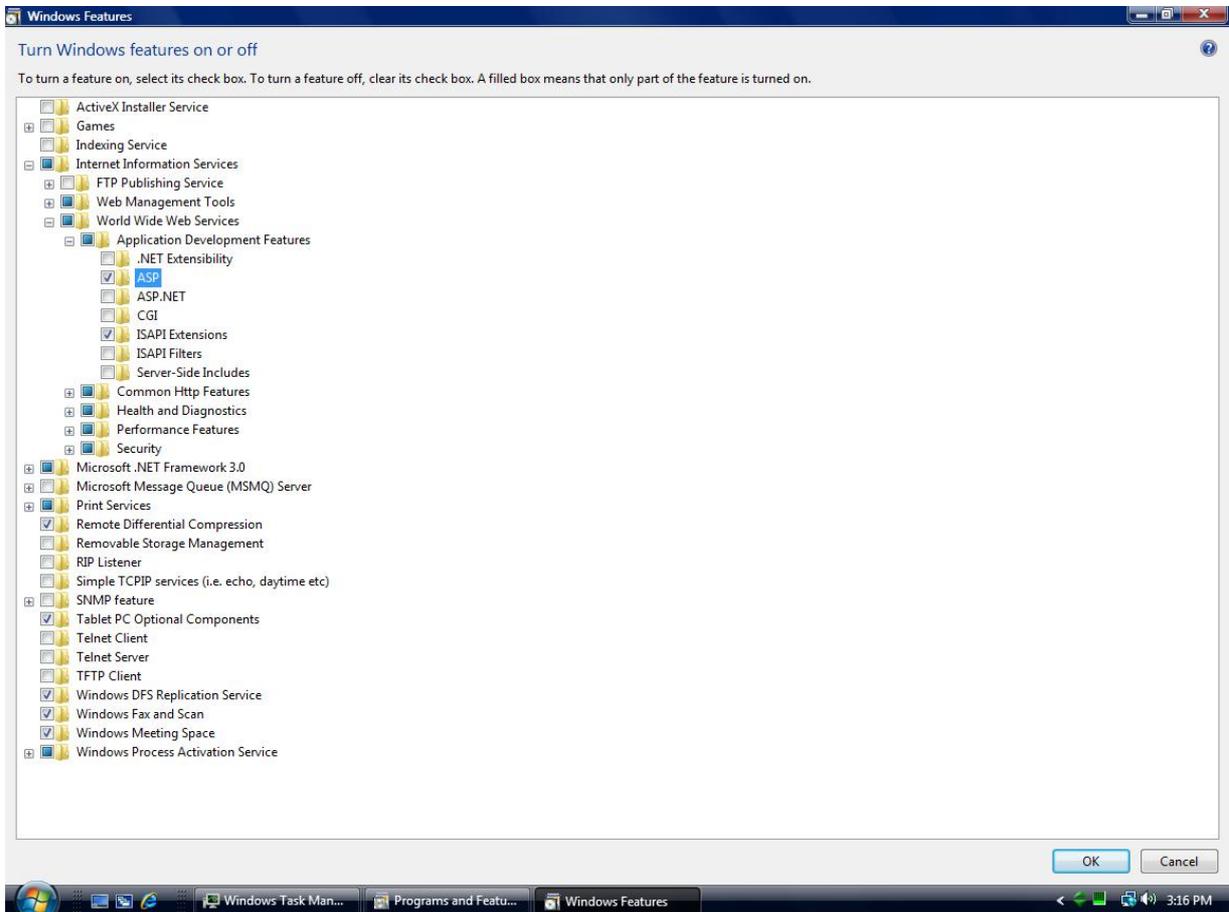


Figure 6.5 - Configure IIS – Enable ASP Feature

Install IIS under Windows XP

Step 1: Click Start -> Control Panel -> Add or Remove Program

Step 2: Click Add/Remove Windows Components

Step 3: Click Internet Information services (IIS)

Step 4: Click Next to install IIS

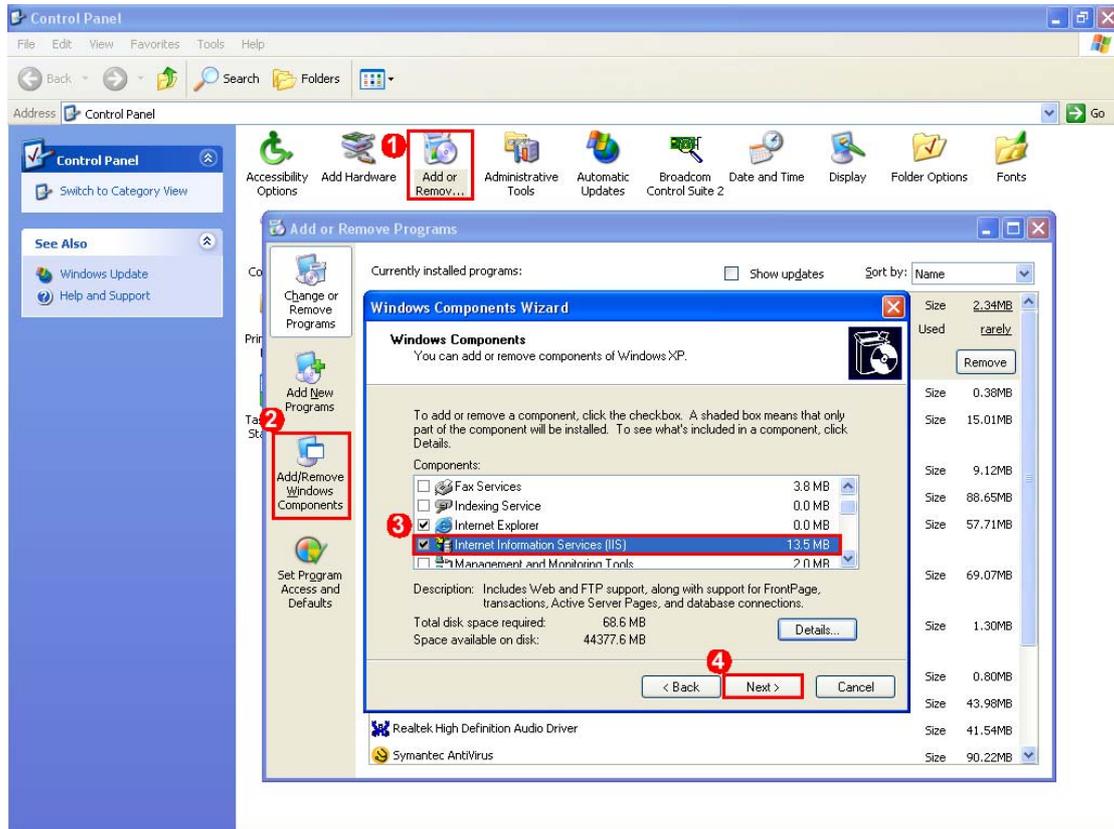


Figure 6.6 - Select Start -> Control Panel -> Add or Remove Program

Step 1: Locate IIS Package

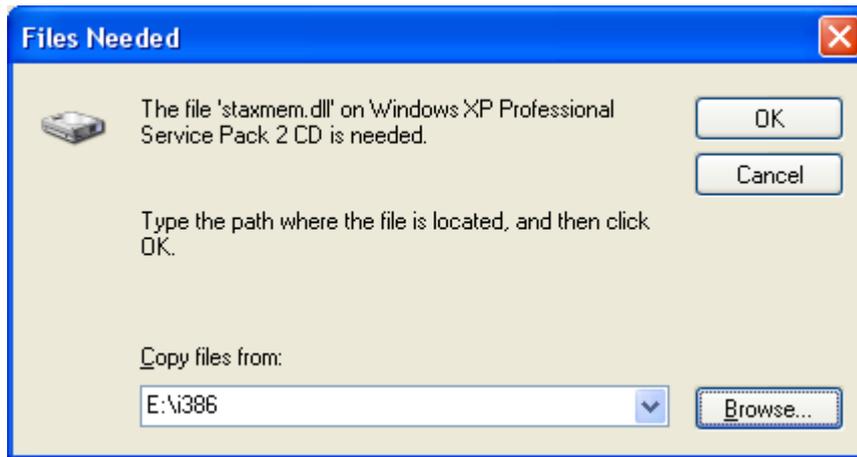


Figure 6.7 - Locate IIS Package location



NOTE: If IIS Package cannot be found in the system, then you have to insert your Windows XP CD-ROM into the CD Drive.

Step 2: Install IIS Package

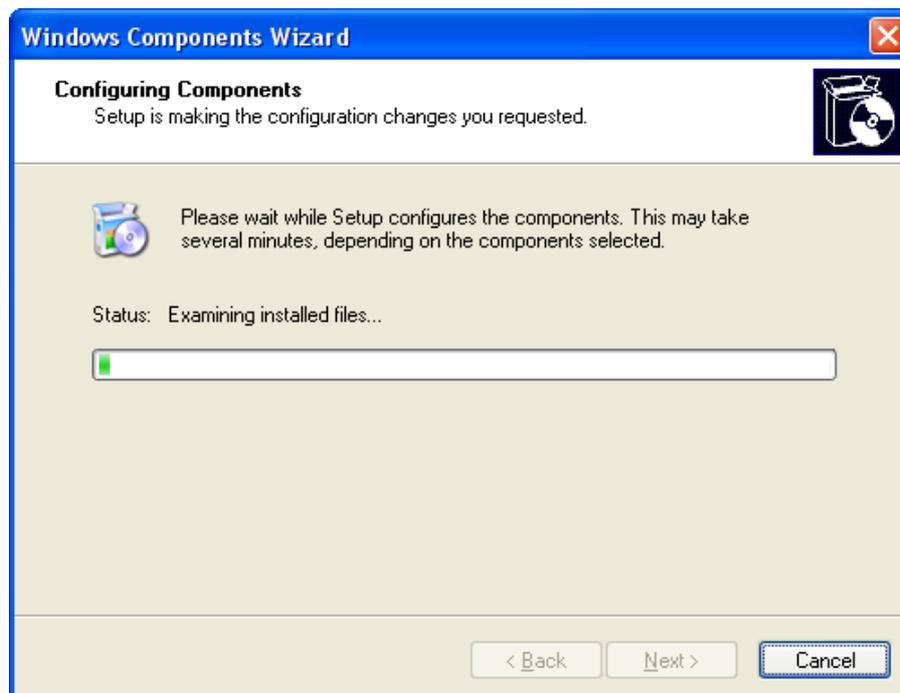


Figure 6.8 - Installing IIS Service

Step 3: Click Finish to complete installation.



Figure 6.9 - Click Finish to complete installation

Install IIS under Windows 2003 Standard Edition

Step 1: Click Start → Control Panel → Add or Remove Program

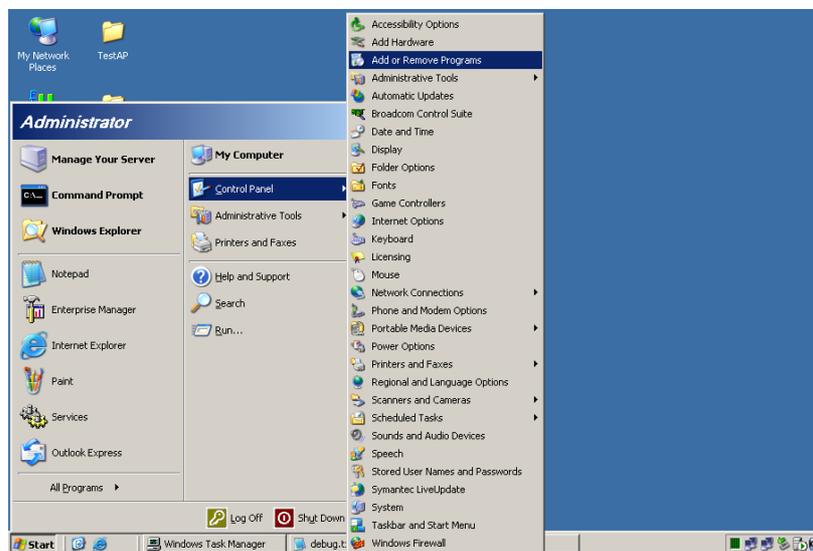


Figure 6.10 - Select Start -> Control Panel -> Add or Remove Program

Step 2: Click Add/Remove Windows Components

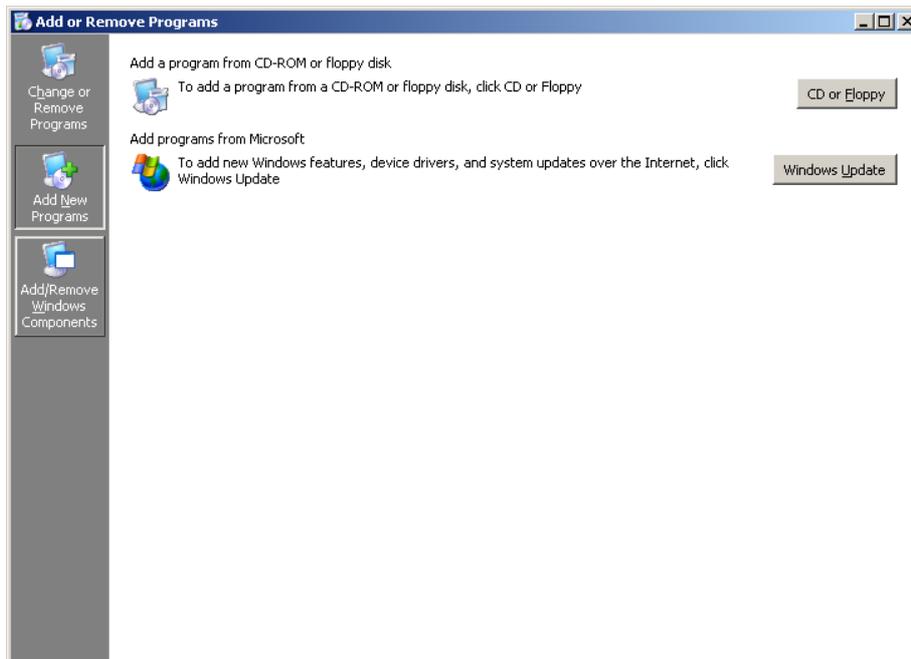


Figure 6.11 - Select Add/Remove Windows Components

Step 3: Select Application Server

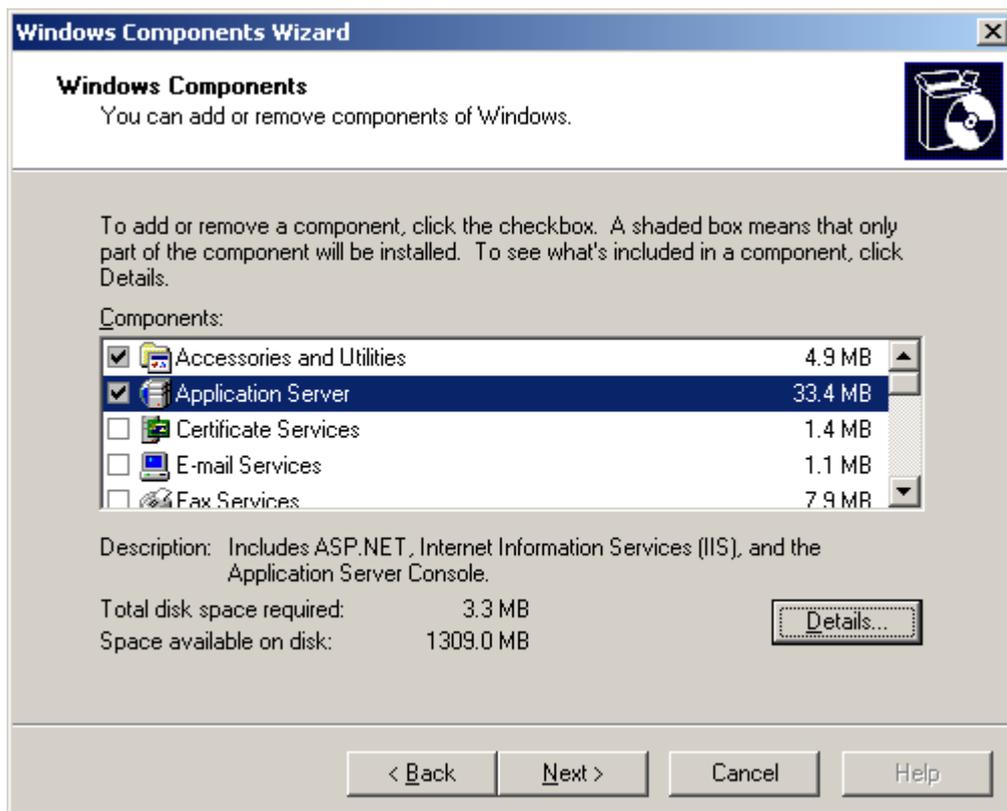


Figure 6.12 - Select Application Server

Step 4: Select Internet Information Services (IIS)

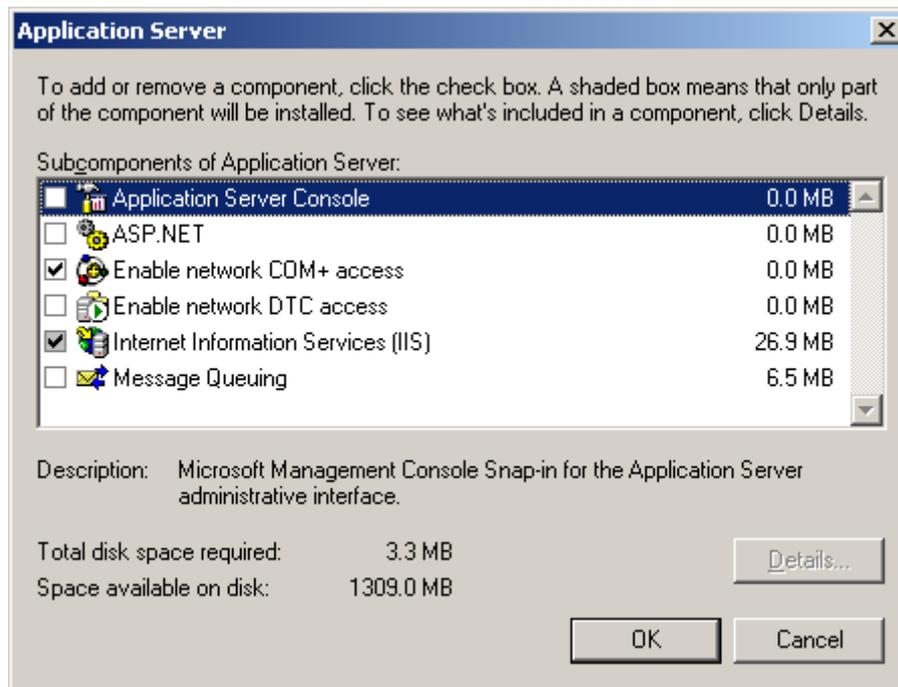


Figure 6.13 - Select Internet Information Services (IIS)

Step 5: Click OK to install IIS Server

InstallWizard - NVR Enterprise

To continue with the installation of NVR Enterprise Edition, please insert the CD-ROM that accompanied the product and select NVR Enterprise, click the Install NVR Enterprise link, then click Save File to begin the installation (see below).



Aigis Mechtronics IP Video Utilities

Program Installation and Documentation

IP Utility	Locate and view IP Camera on the network.
Documents	Review installation and operating instructions.
Compatibility List	NVR Software providers compatible with Aigis products.
NVR Professional (Standalone Version)	Install standalone NVR program.
NVR Enterprise (Client-Server Version)	Install client/sever NVR program (server side).

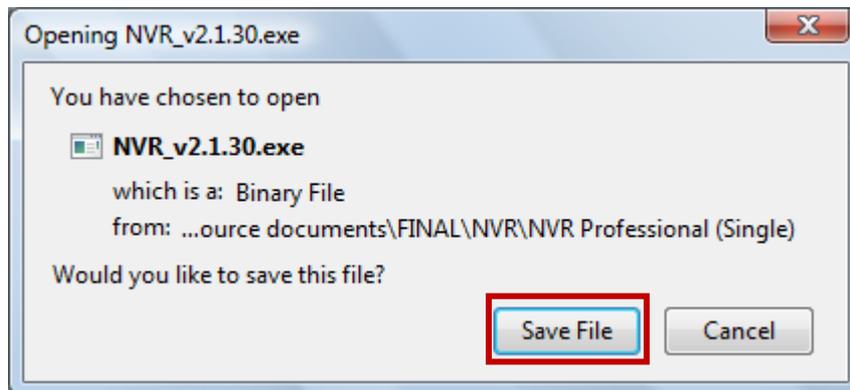


Figure 6.14 – Select Save File after clicking NVR Enterprise from Autorun menu

SQL Server Software Installer

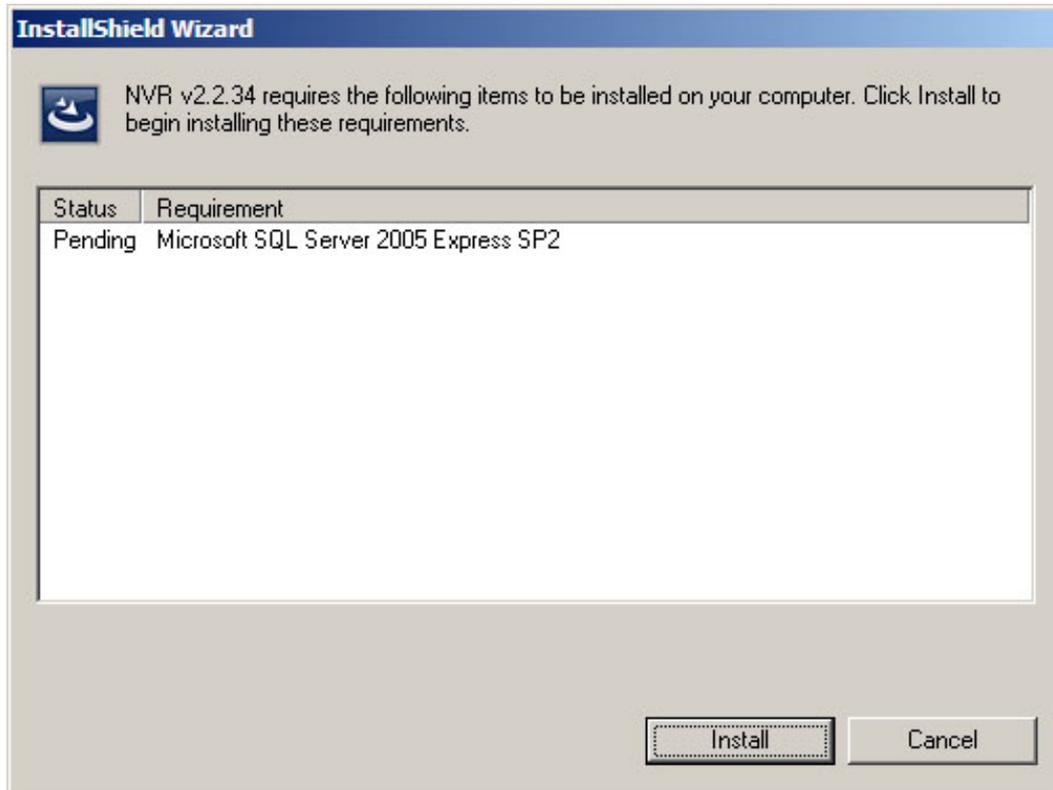


Figure 6.15 - Click Install to run the Install Wizard

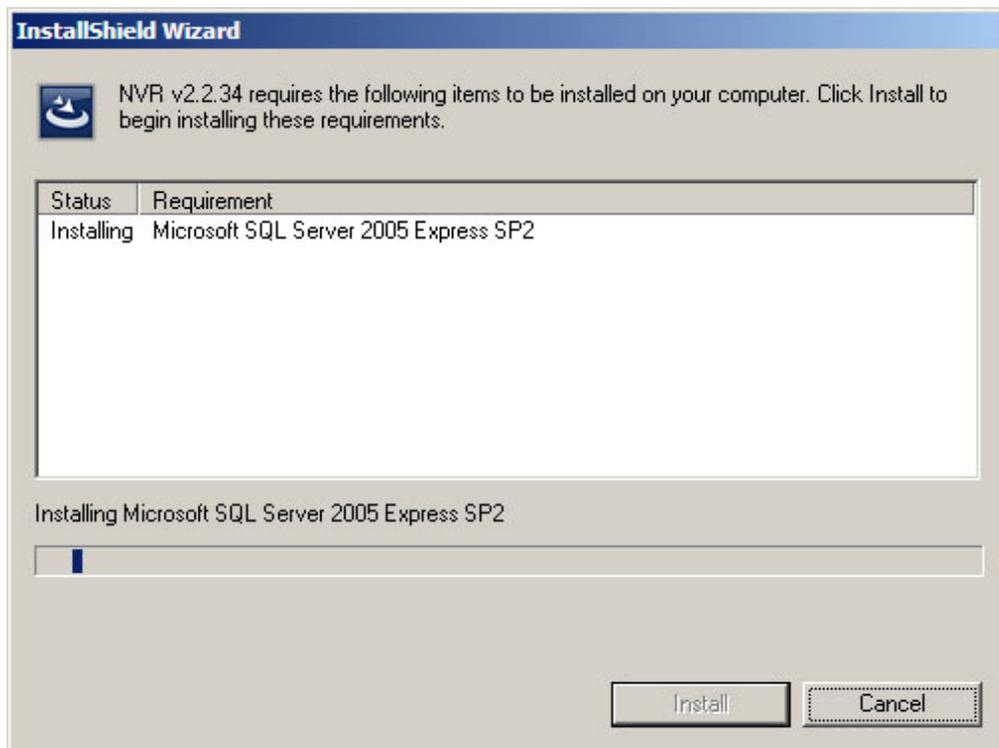


Figure 6.16 - InstallWizard will begin to install SQL Server Software

Software Installer for NVR Program

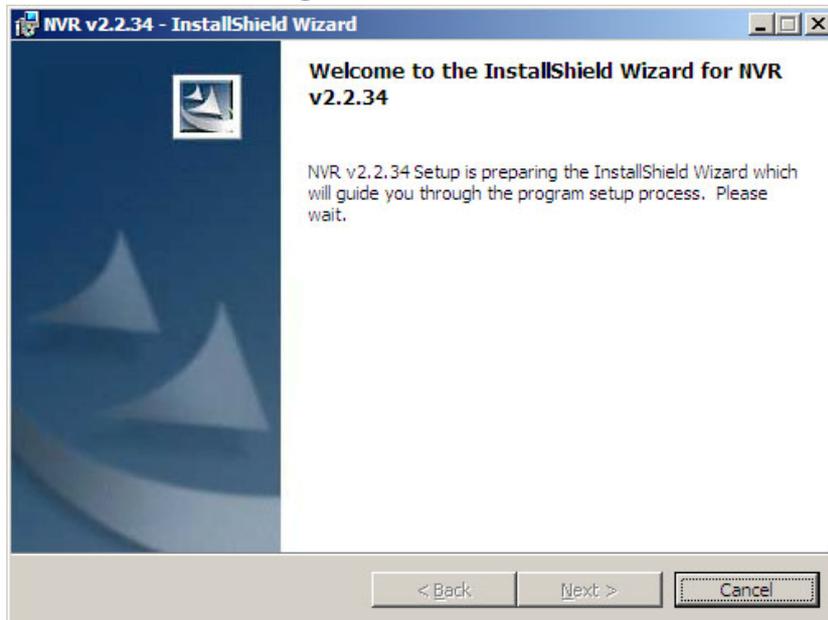


Figure 6.17 - Click Next to begin the NVR Software Installation

Check for Previous NVR Versions

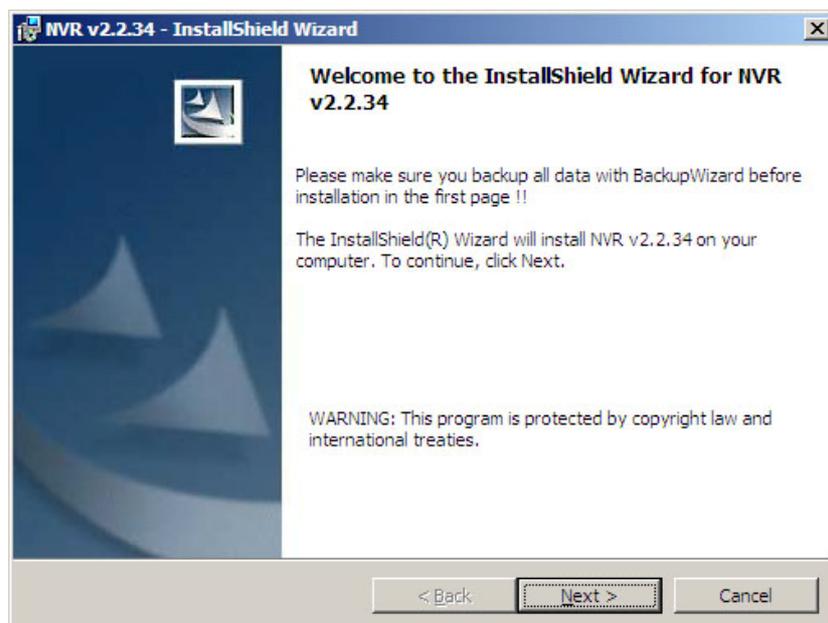


Figure 6.18 - If a previous version of NVR Enterprise is detected on the system, the Backup Wizard will be launched. Otherwise, click Next.

Select Installation Folder

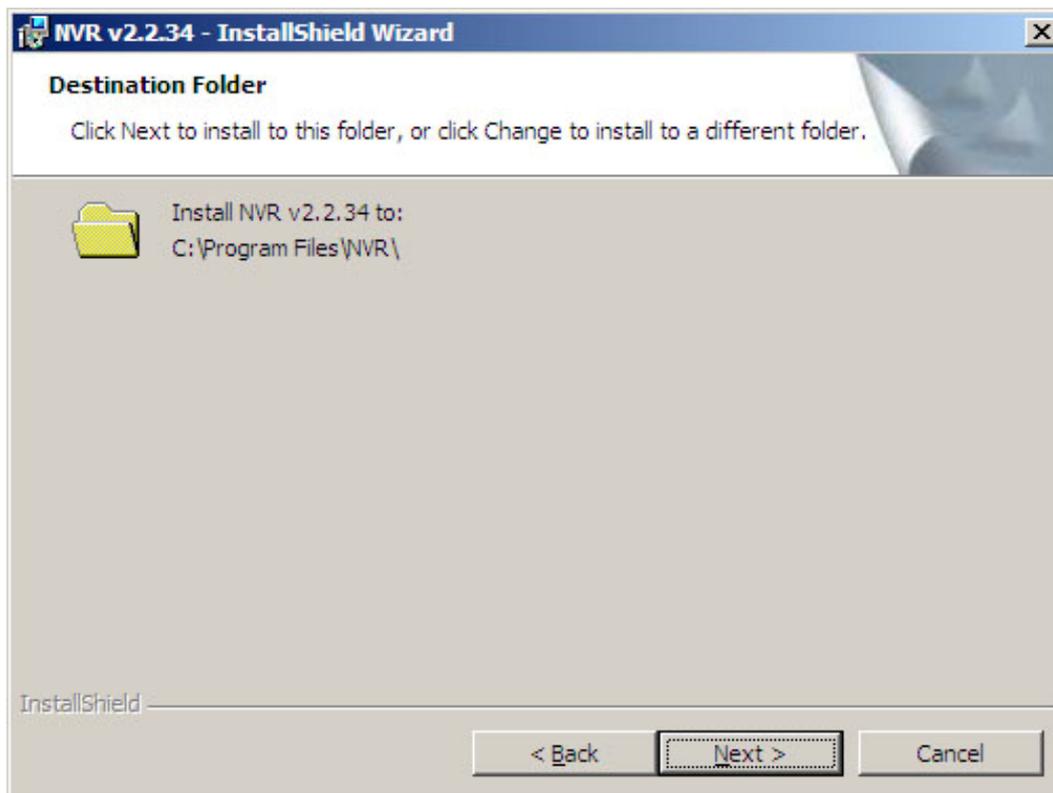


Figure 6.19 - Click next to accept the default installation path.

Note: It is recommended NOT to change the path from the default.

SQL Database Settings

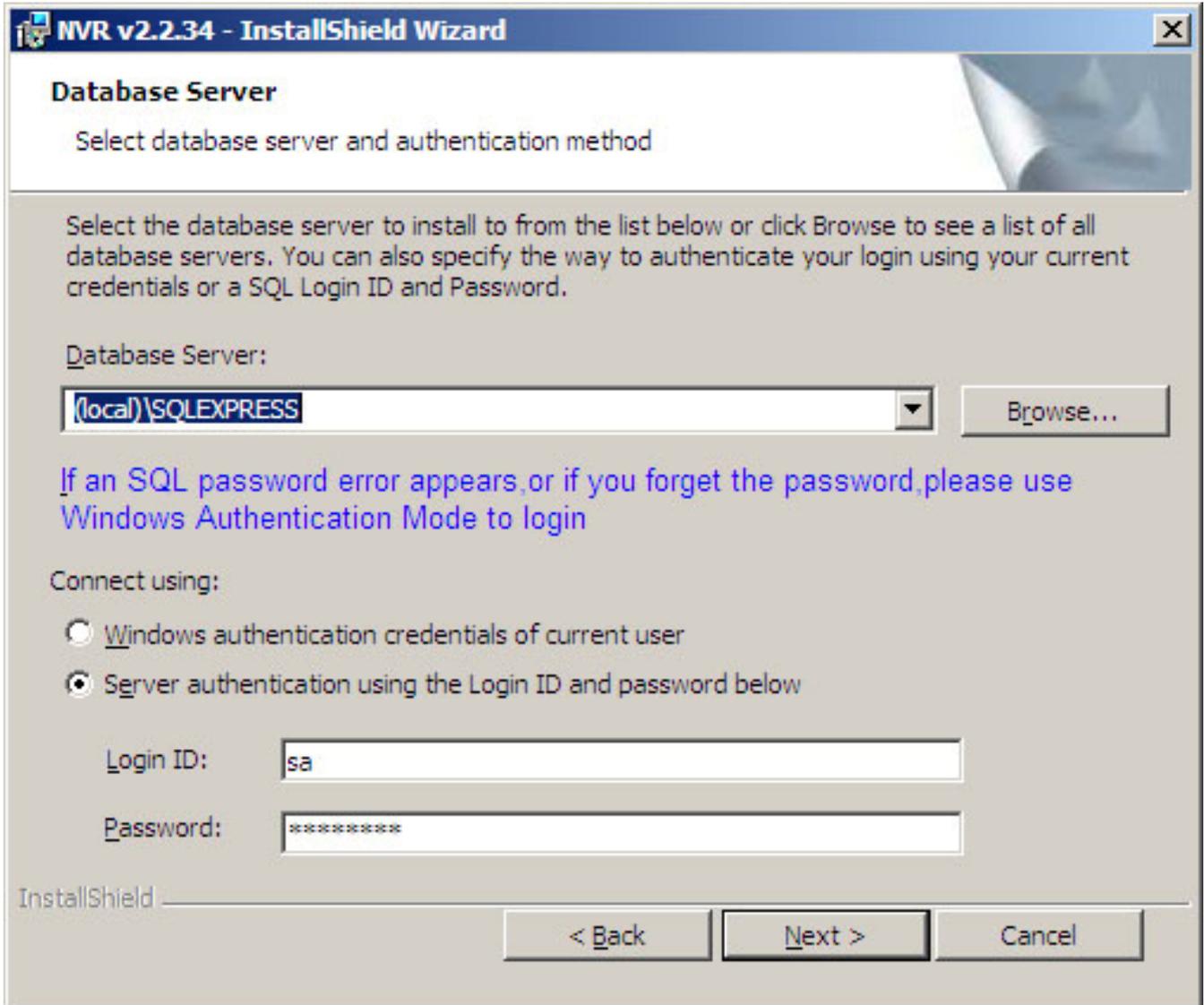


Figure 6.20 - IMPORTANT: DO NOT CHANGE ANY SETTINGS ON THIS SCREEN; SIMPLY HIT "NEXT"

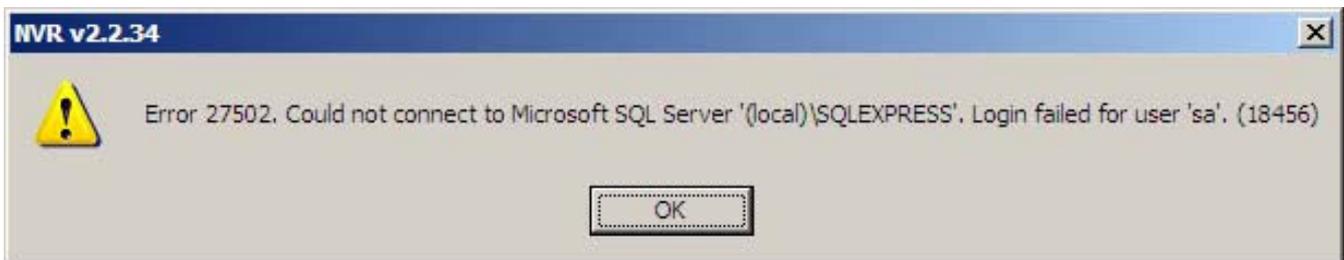


Figure 6.21 - If this error appears, click next and follow the instructions on the next page.

Use Windows Authentication if an error message appeared



Figure 6.22 - Select Windows authentication and click Next. Do not change any other settings on this screen.

Select Components to Install

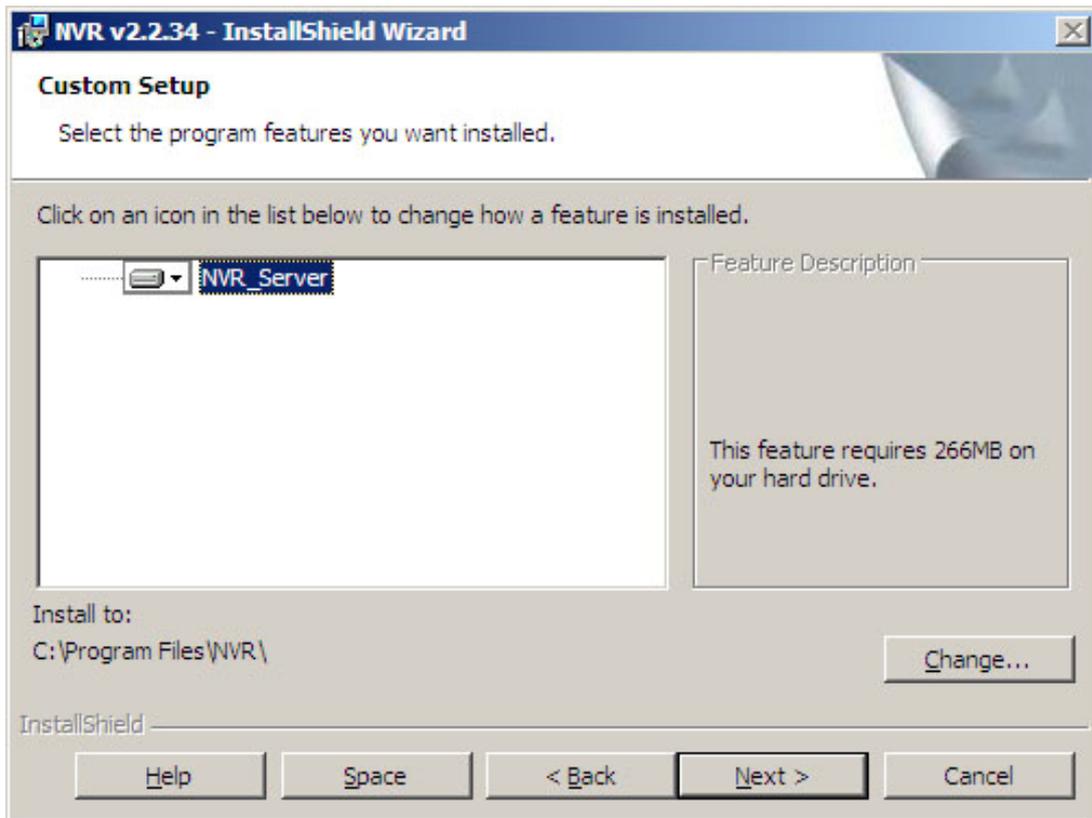


Figure 6.23 - Click Next to continue. Do not make any changes.

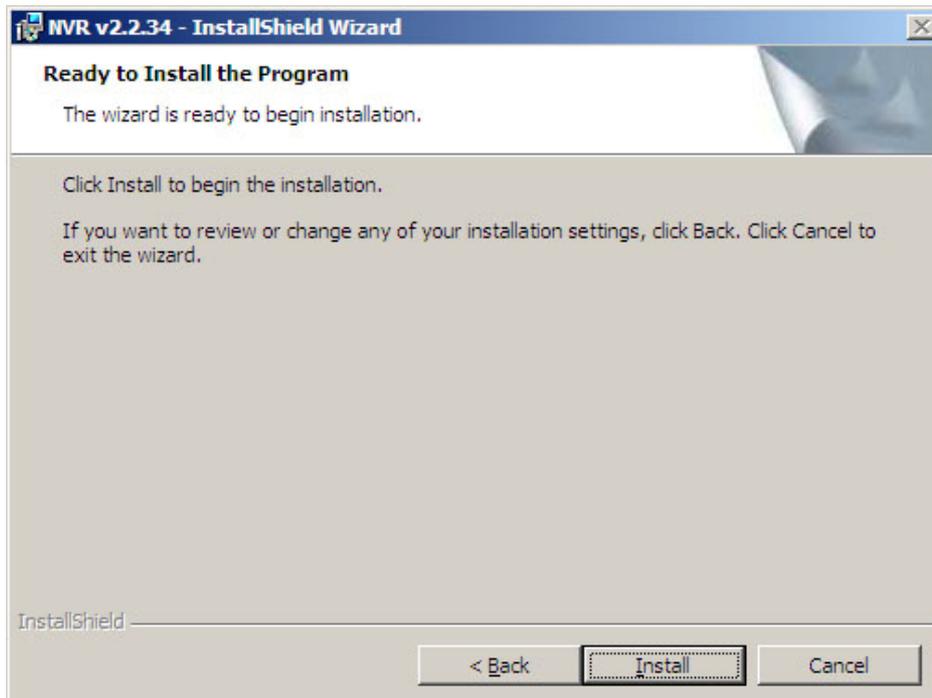


Figure 6.24 - Click Next to begin the installation of the NVR software.

Installation Process

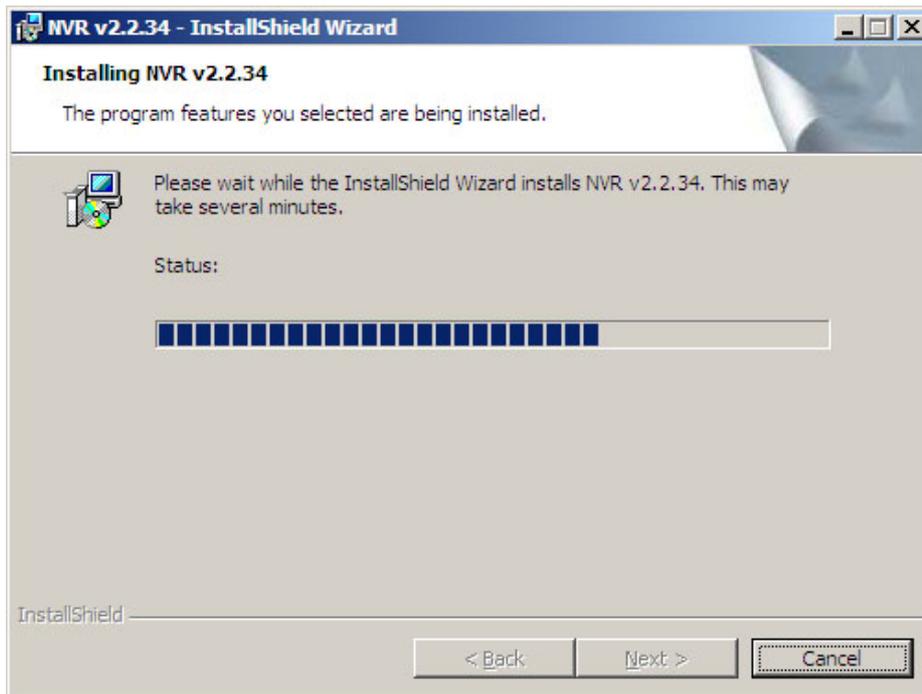


Figure 6.25 - The installation process may take several minutes.

Installation Complete

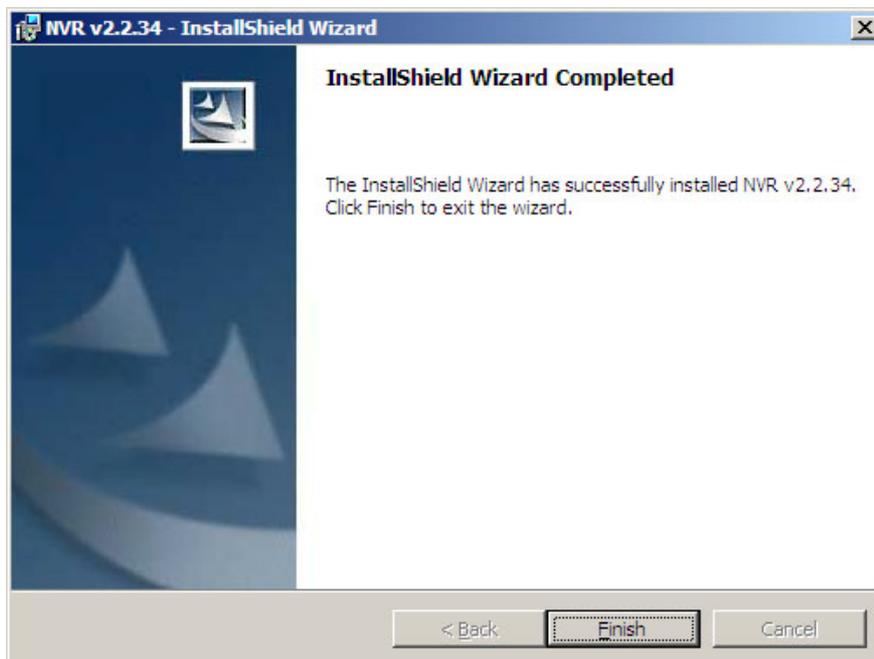


Figure 6.26 - Click Next to exit the InstallWizard.

Reboot Computer

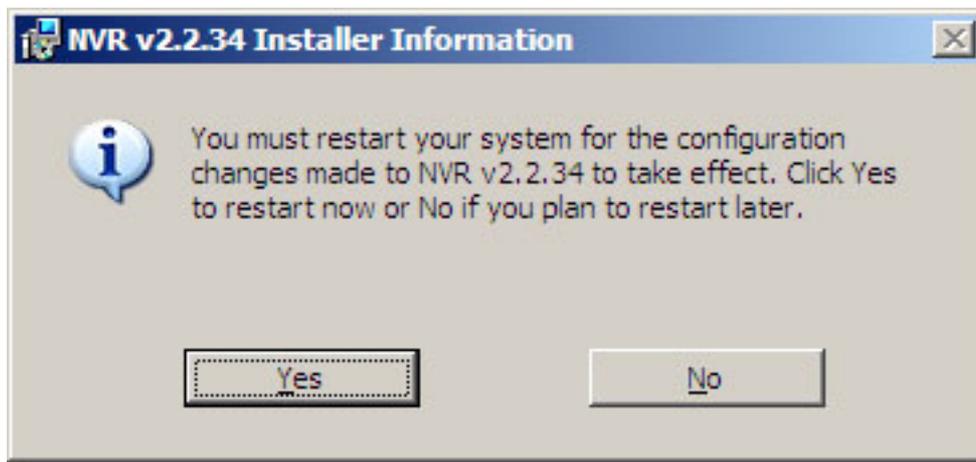


Figure 6.27 - Click Yes to reboot now or No to reboot later.

Configure IIS in Windows Vista

Step 1. Use Backup Database to Restore Database

For detailed operation, please refer to **Backup Wizard User manual**.

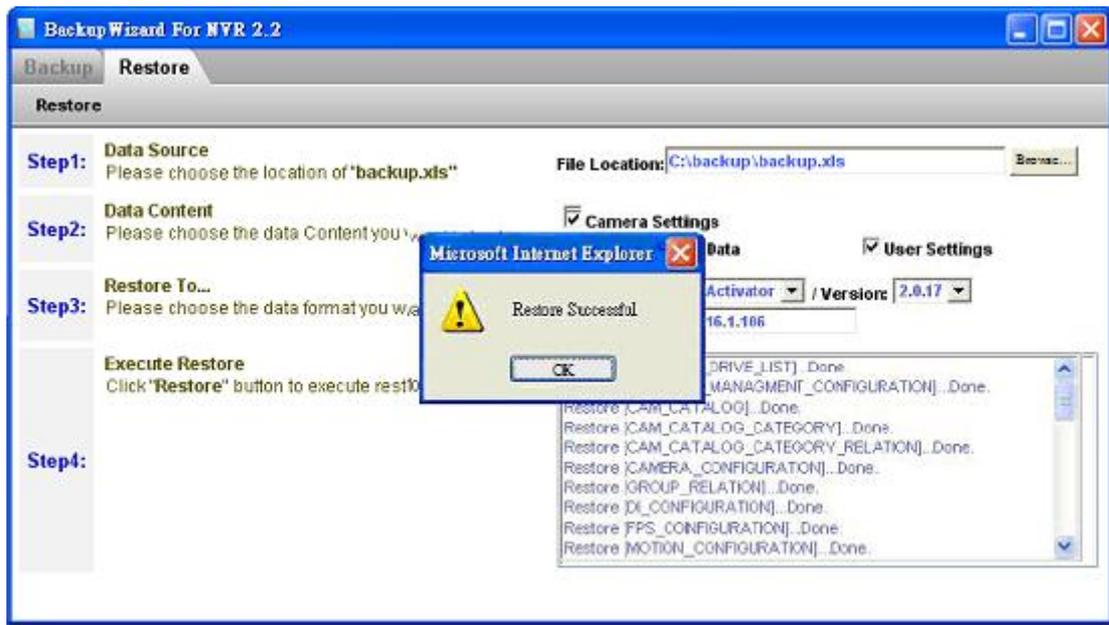


Figure 6.28 - Restore data from NVR Professional

Once the NVR Professional installation is complete, return to the Backup Wizard screen and select or type in the backup excel file (default: c:\Backup\Backup.xls) then click Restore button to restore data back to NVR Professional.



TIP: Default is: C: \BACKUP\BACKUP. XLS



TIP: Please make sure you select the correct NVR version.

Step 2. Go to desktop, right mouse click on Computer, select Manage



Figure 6.29 - Configure IIS – Manage Computer

Step 3. Click Service and Application → Double-click on Microsoft Internet Information (IIS) Manager

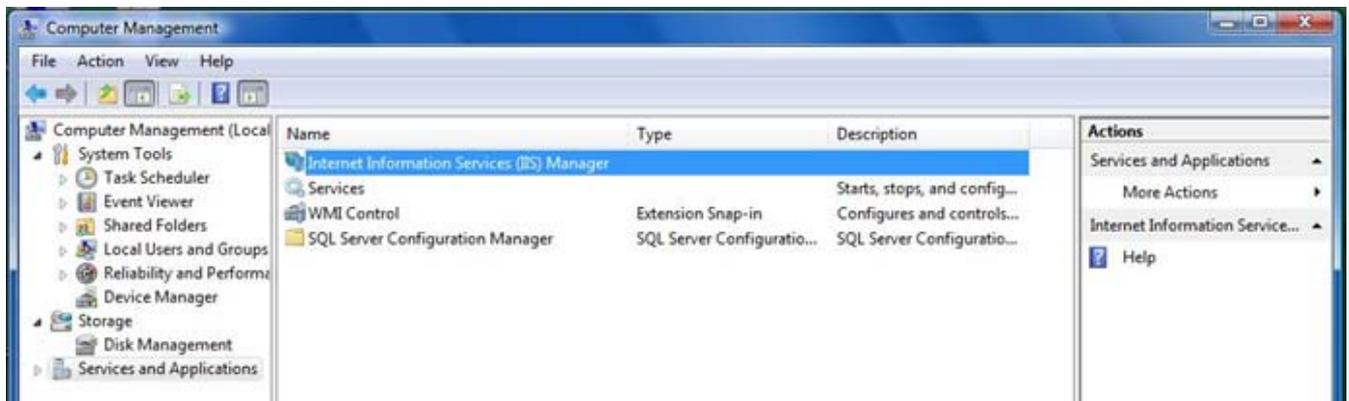


Figure 6.30 - Configure IIS – Select IIS Manager

Step 4. Click on Web Sites → Default Web Site → Click Basic Settings → Select NVR Path

Default NVR Path: C:\Program Files\NVR\IPControlCenter

Default file is default.htm, which is contained under Default NVR path. User does not have to setup it again.

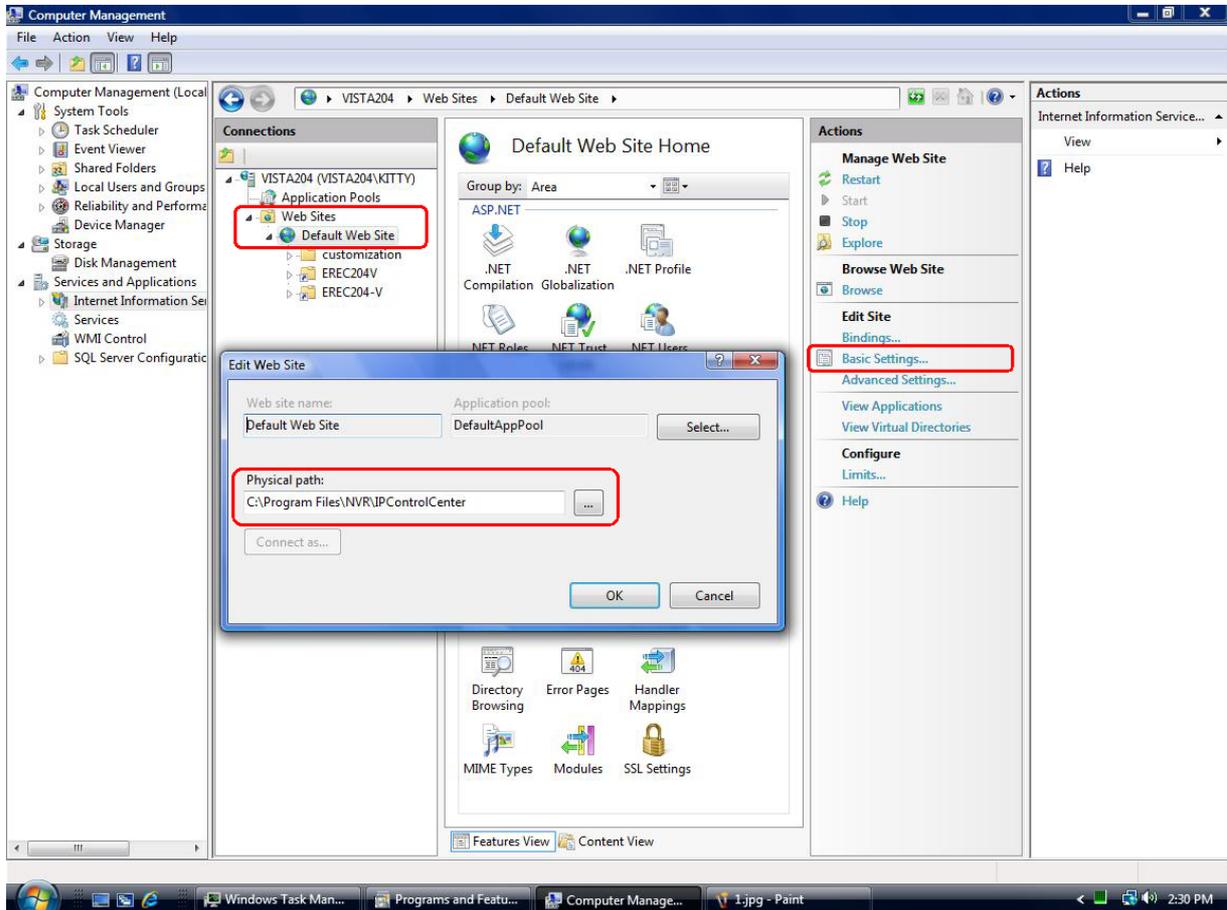


Figure 6.31 - Configure IIS – Select NVR Path

Step 5. Check IIS Services

Please follow the procedure below to Check IIS.

1. Please go to “**Control Panel**→**Administrative tool**→**Services**”.
2. You can see the “Service” windows pop-out as below; please check if the “IIS Admin Service” is in the list.

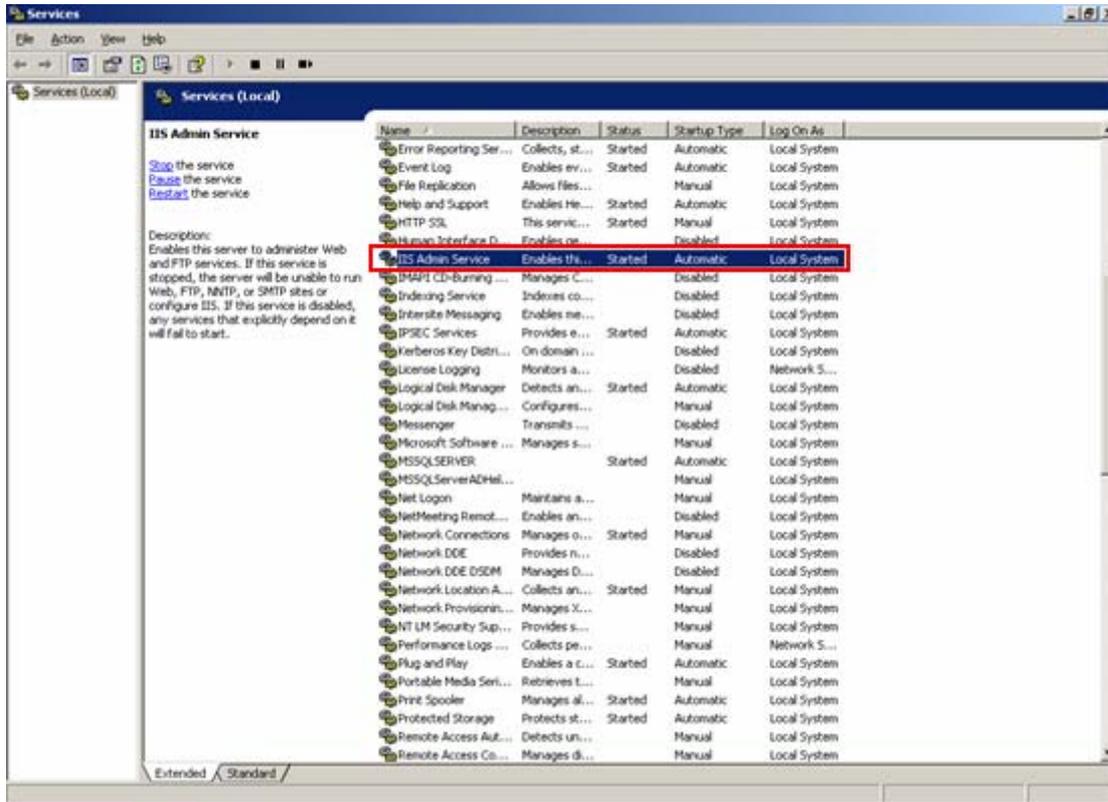


Figure 6.32 - Configure IIS Web Service

3. If yes, the IIS service is installed and please proceed to Step I: Backup Database.
4. If NOT, the IIS service is NOT installed. Please go to Chapter 4-2 for how to install the IIS service.

Configure IIS for Windows XP and Windows 2003

Step 1: Click Start -> Control Panel -> Administrative Tools

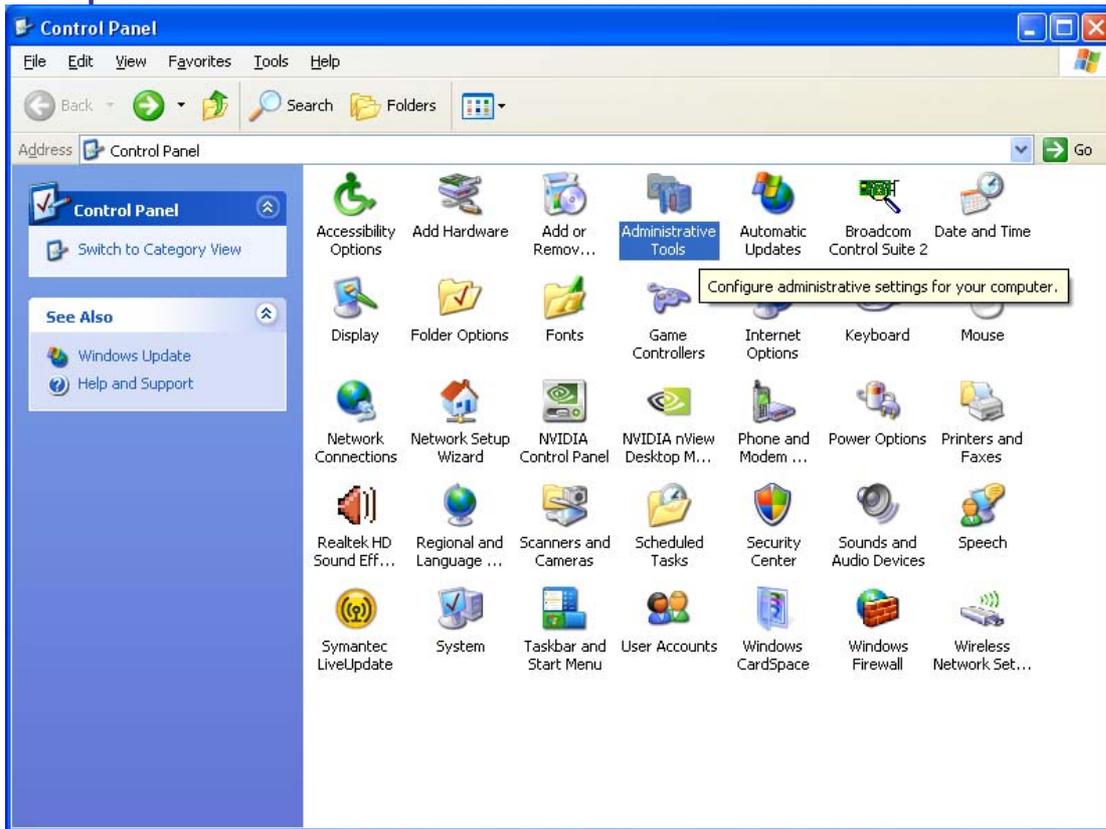


Figure 6.33 - Select Administrative Tools

Step 2: Click Internet Information Services (IIS)

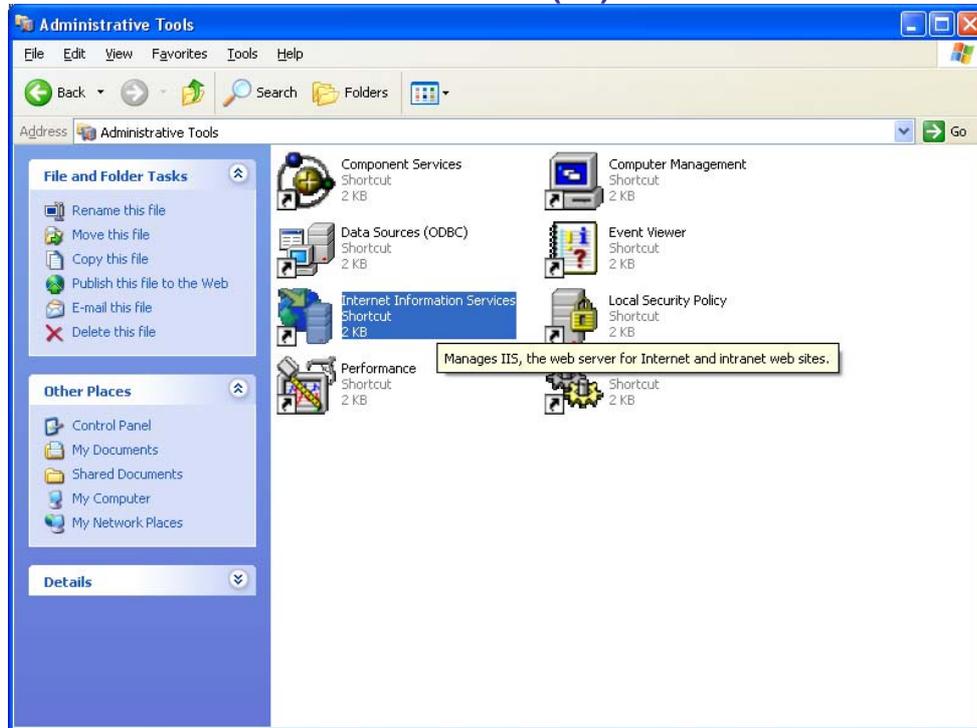


Figure 6.34 - Select Internet Information Services (IIS)

Step 3: Select "Local Computer" then select "Web Sites" then Right Click on Default Web Site icon and select Properties

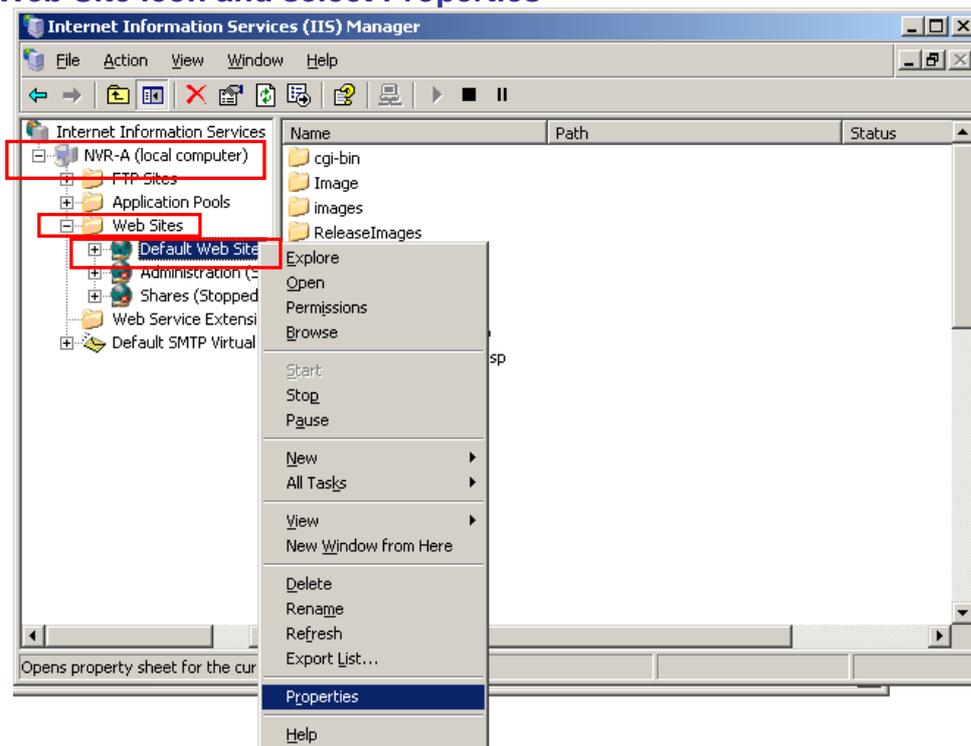


Figure 6.35 - Select IIS Properties

Step 4: Click Home Directory tab and click "A directory"

Step 5: Browse or input C:\Program Files\NVR\IPControlCenter in the Local Path field.

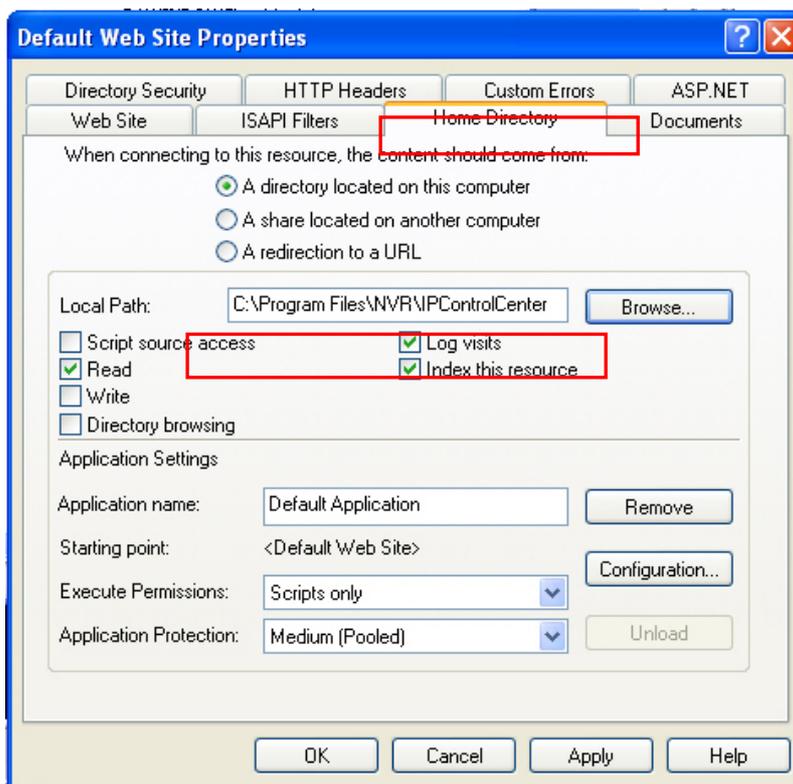


Figure 6.36 - Configure IIS Path, Default: C:\Program Files\NVR\IPControlCenter

Step 6: (Windows Server 2003 only) Click the “Web Service Extension”, and windows below shows on screen

Step 7: (Windows Server 2003 only) Click the “Active Server Pages” then click the “Allow” button. When the “Active Server Pages” is allowed, the setting is completed.

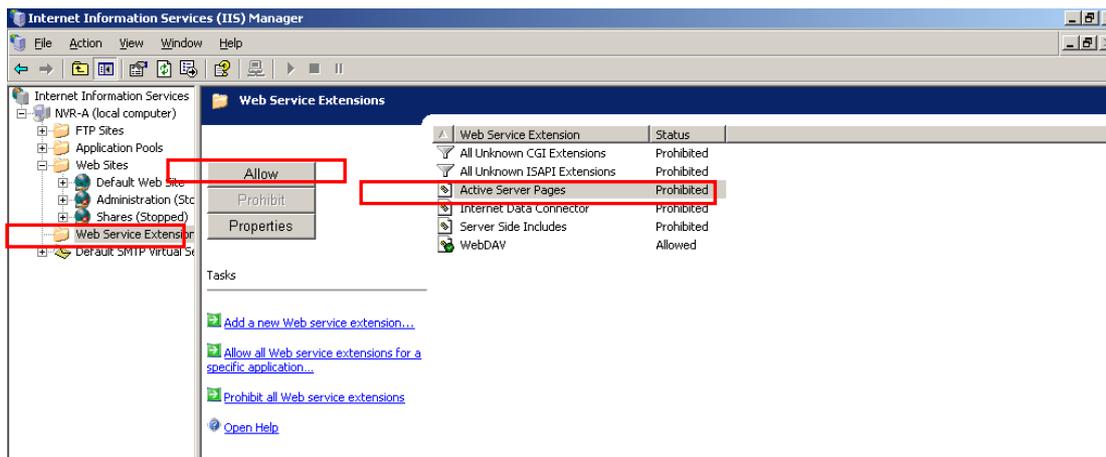


Figure 6.37 - Allow Active Server Pages

7. Installing NVR Workstation

NVR Workstation allows a user to access the live and recorded video being stored on the server.

Note: NVR Workstation cannot be installed on the same machine as NVR Enterprise.

From the CD Autorun page, click Install NVR Enterprise, then click the link Install NVR Workstation as shown below.

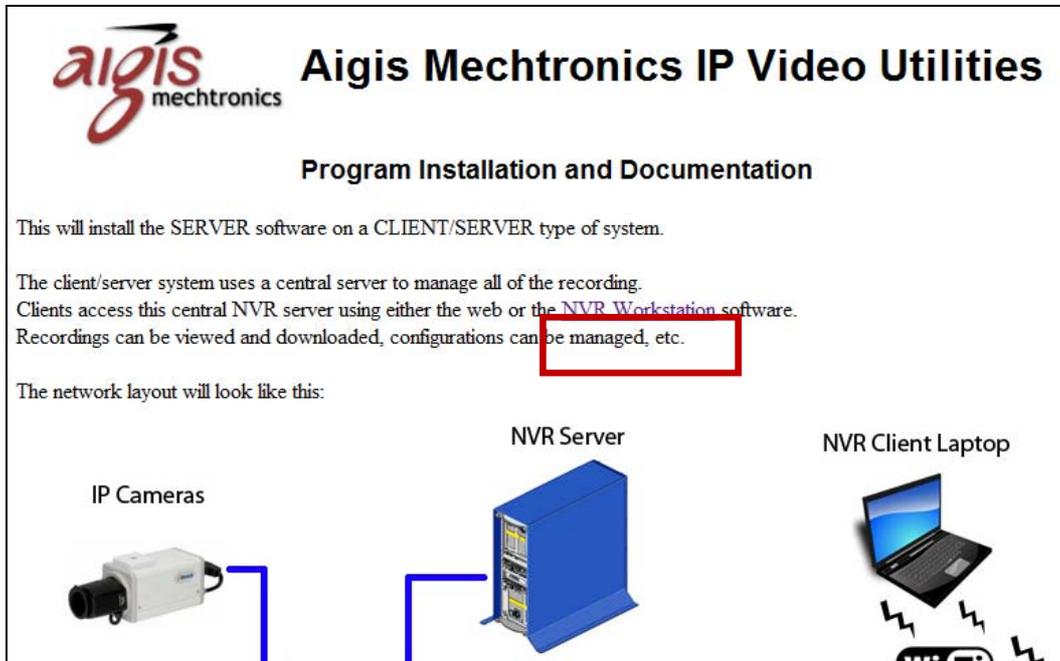


Figure 7.1 - Installing NVR Workstation

InstallWizard – NVR Workstation

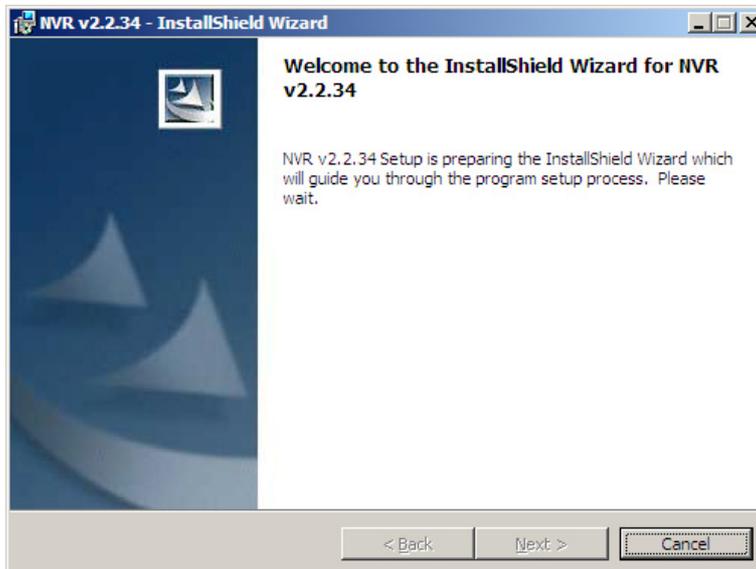


Figure 7.2 - Click Next to begin the installation

Check for previous versions

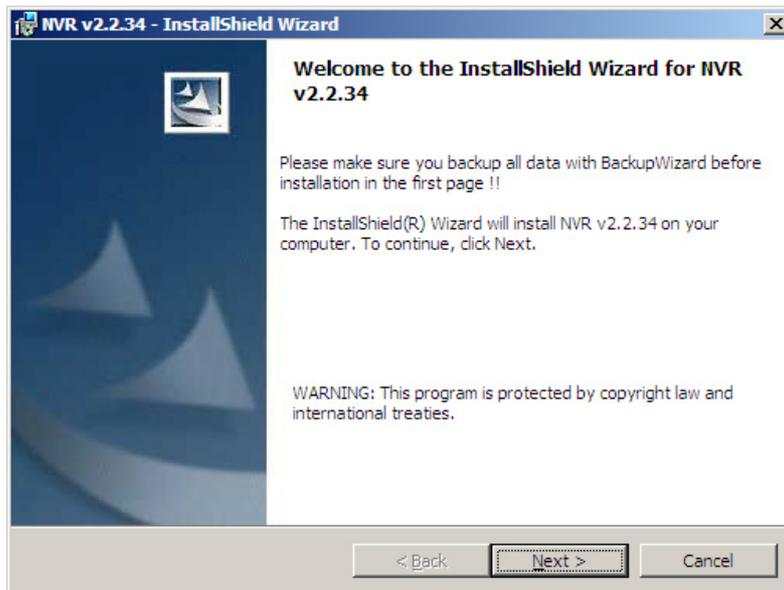


Figure 7.3 – Wait for the wizard to check for previous versions, then click Next.

Select Installation Folder

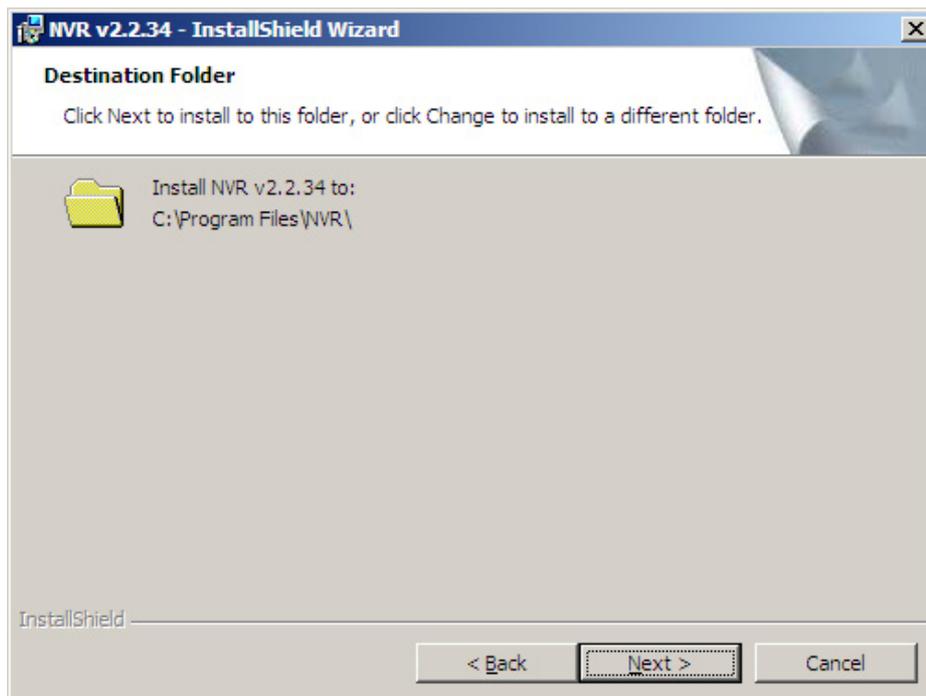


Figure 7.4 – Please do not change the default installation path.

Select Components to Install

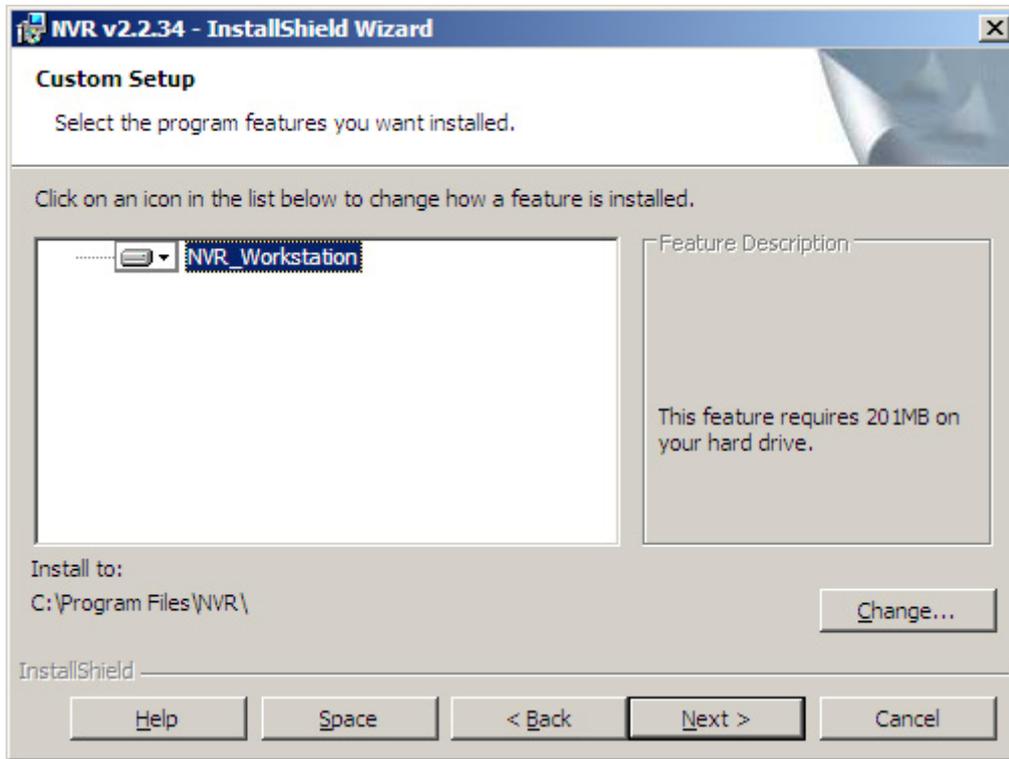


Figure 7.5 – Click Next, do not change any settings.

Begin Installation

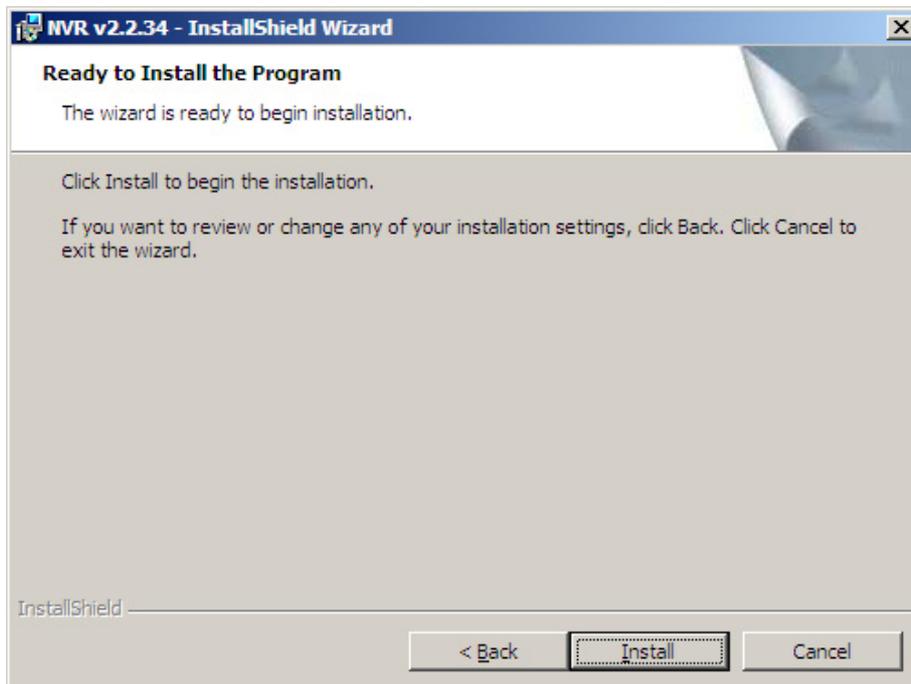


Figure 7.6 - Click Next to begin the installation.

Installation Progress

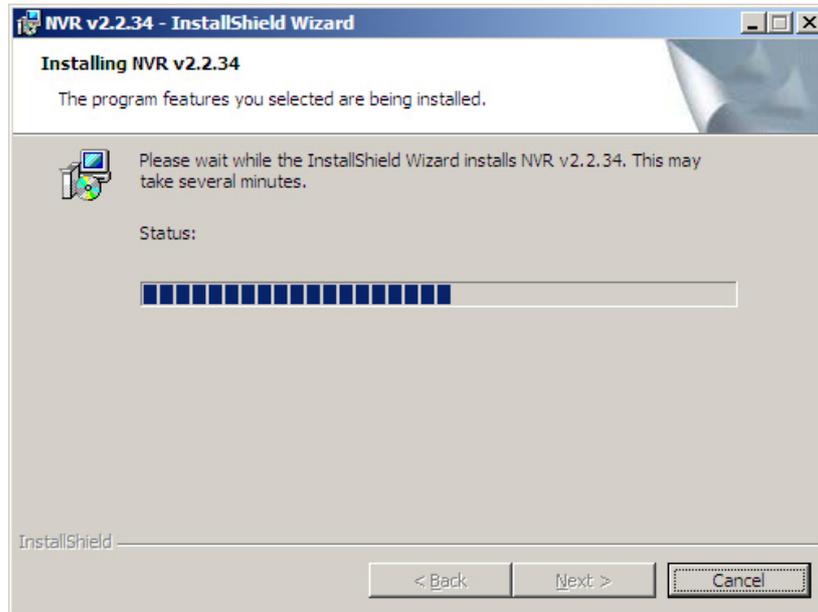


Figure 7.7 - The installation may take several minutes.

Installation Complete

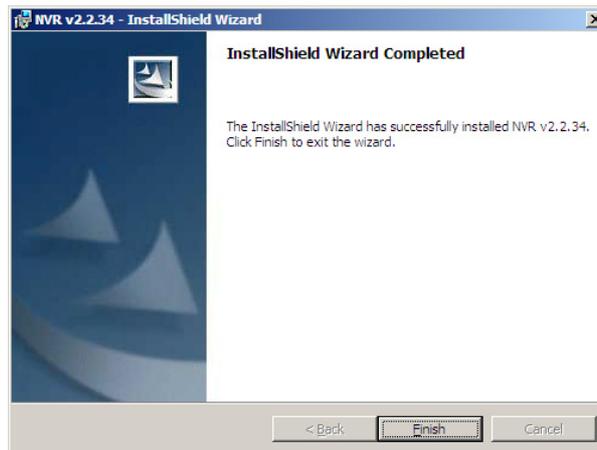


Figure 7.8 – Click Finish to complete the installation.

Reboot System

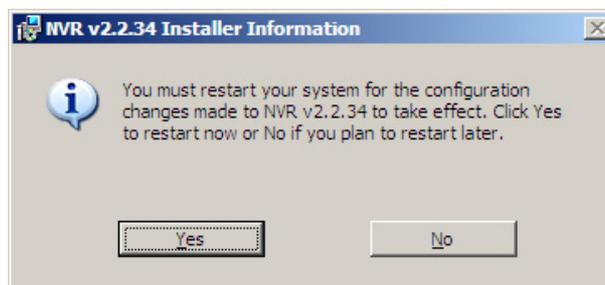


Figure 7.9 – Click Yes to reboot now or No to reboot later.

8. NVR Program Basic Functions

Adding Devices

NVR Professional’s software functions (including Monitor, E-map, account authentication and etc.) is based on camera groups. To add a device to be viewed and/or recorded, you need to

1. Create a camera group
2. Add a device to a camera group

Create Camera Group



- Step 1. Run the “**Active Setup**” program to begin configuring NVR Professional.
- Step 2. Login with default **Username “Admin” and Password “123456”**
- Step 3. Select the “**System Setup**” icon and the “**Camera Group**” tab (shown below)

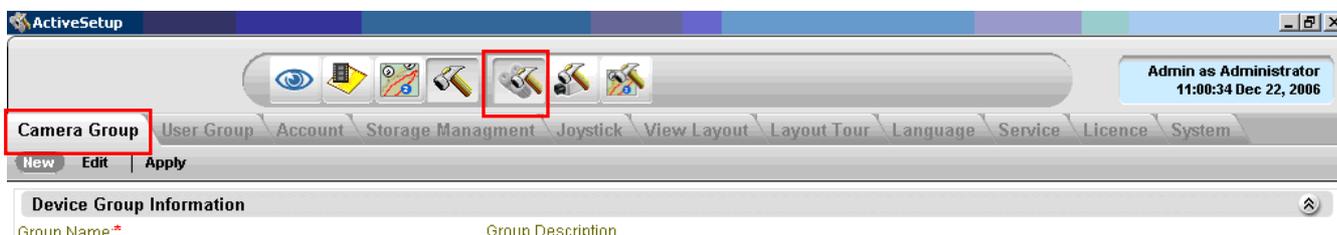


Figure 8.1 - Add Camera Group, Step 1

- Step 4. Click the “**New**” button, input the “**Group Name**” and then Click the “**Apply**” button (shown below)

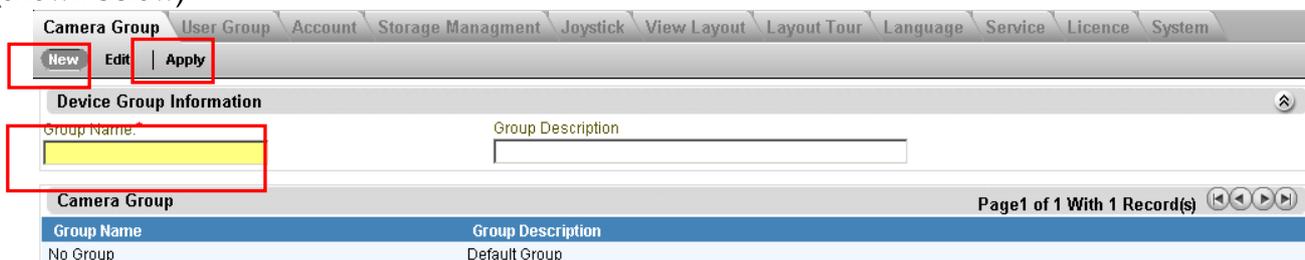


Figure 8.2 - Add Camera Group, Step 2

NOTE: For further details, please go to the “**System Setup**” section of the chapter titled “**Active Setup**” in the NVR User Manual

Add a Camera to the Group

- Step 1. Double click the **“Active Setup”** icon  to start Active Setup.
- Step 2. Login with default **Username “Admin”** and **Password “123456”**
- Step 3. Select the **“Camera Setup”** icon



Figure 8.3 - Select Camera Setup

- Step 4. Select the **“Camera”** tab

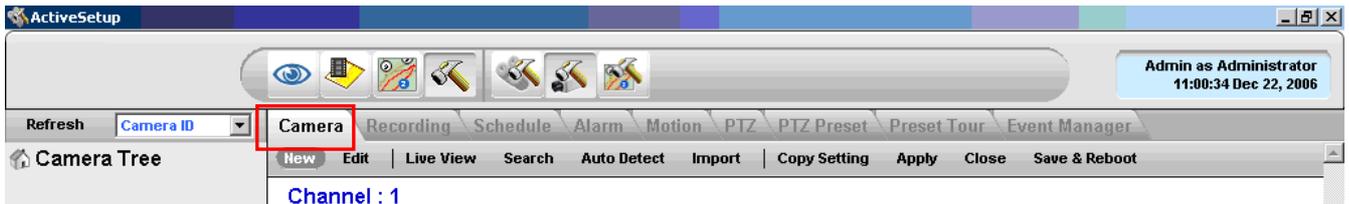


Figure 8.4 - Select Camera Tab

- Step 5. Click the **“New”** button,
- Step 5 a) Select **“Auto”** and **“Next Step”** to search for devices on the same network.
(See Step 6) to add a new camera manually)

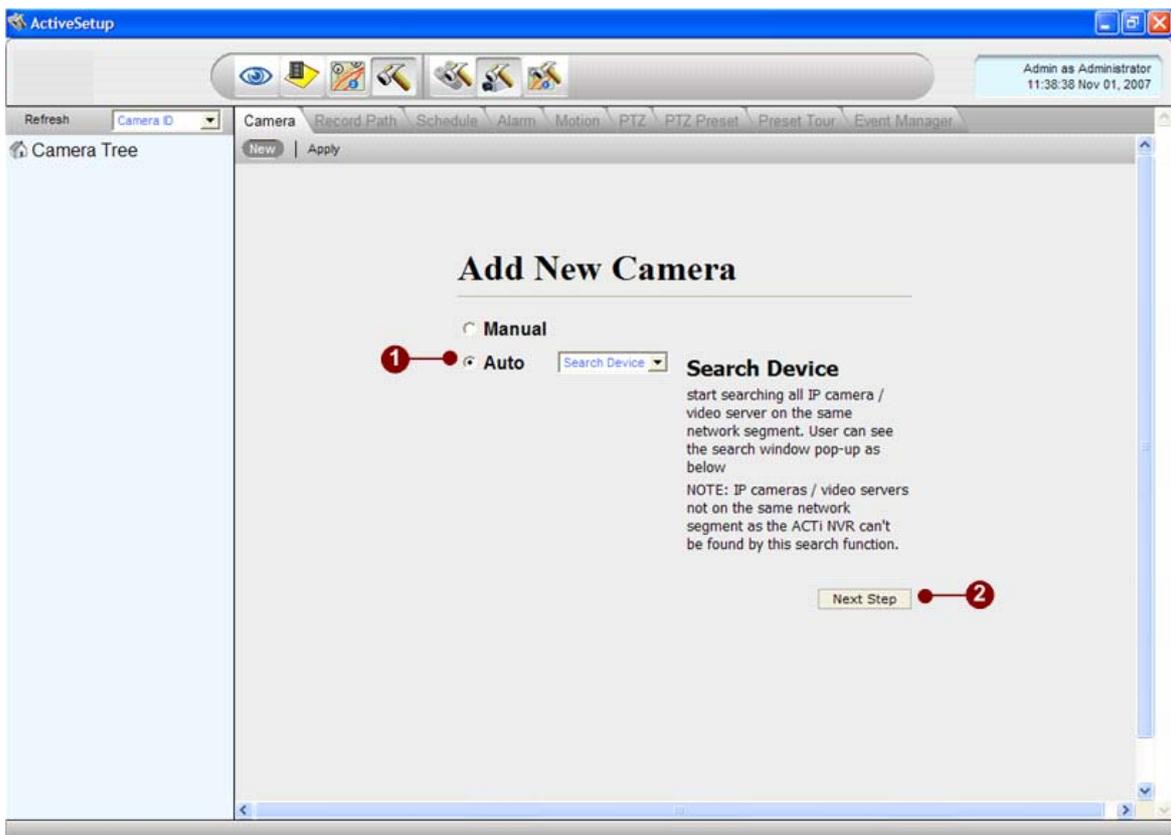


Figure 8.5 - Auto Search for Devices

Step 5 b) Once found, **select the desired camera IP**, use the **drop down menu** on the right to assign the camera a channel number, then click **Add New** (see below).

Once an IP address is assigned a Camera ID, that ID is no longer available. This means the next time a device is added, any previously-assigned Camera ID's will not appear in the drop down menu.



Figure 8.6 - Select Device, Assign ID

Step 5 c) The next screen to appear will contain information about the new camera. **De-select “No Group”**, check the desired **Group** (the group ‘Aigis Mechtronics’ is selected in the example below), then click on **Apply**.

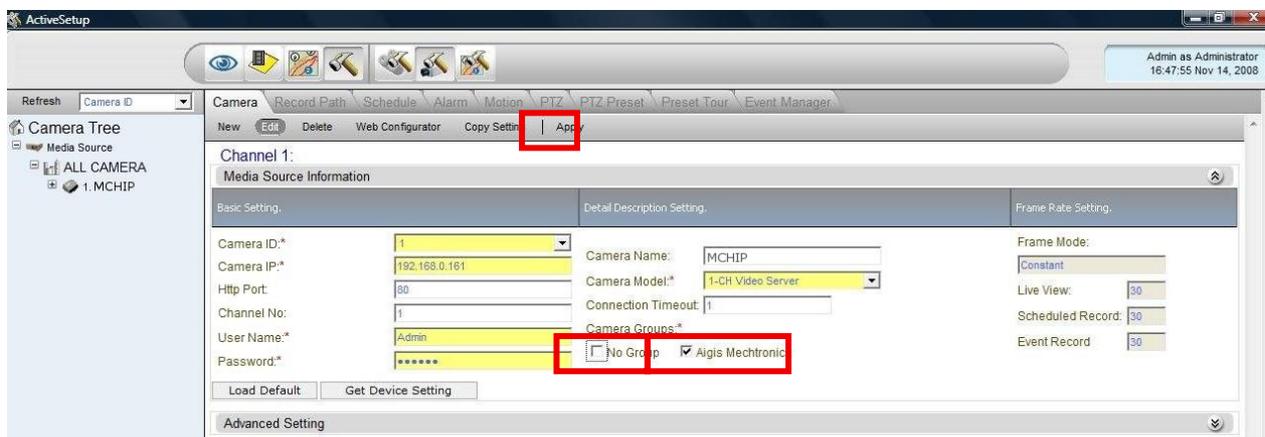


Figure 8.7 - Assign Camera to a Group

- Step 6) To add a new camera manually, fill in the fields indicated in screenshot below
- Input the “Camera Name”, “Camera IP”, “Http port”, “Channel Number, “User name”, “Password”
 - Select the “Camera Group” and “Camera model” and then click the “Apply” button

NOTE: For additional information, please refer to the “Camera Setup” section of the chapter titled “Active Setup” in the NVR User Manual

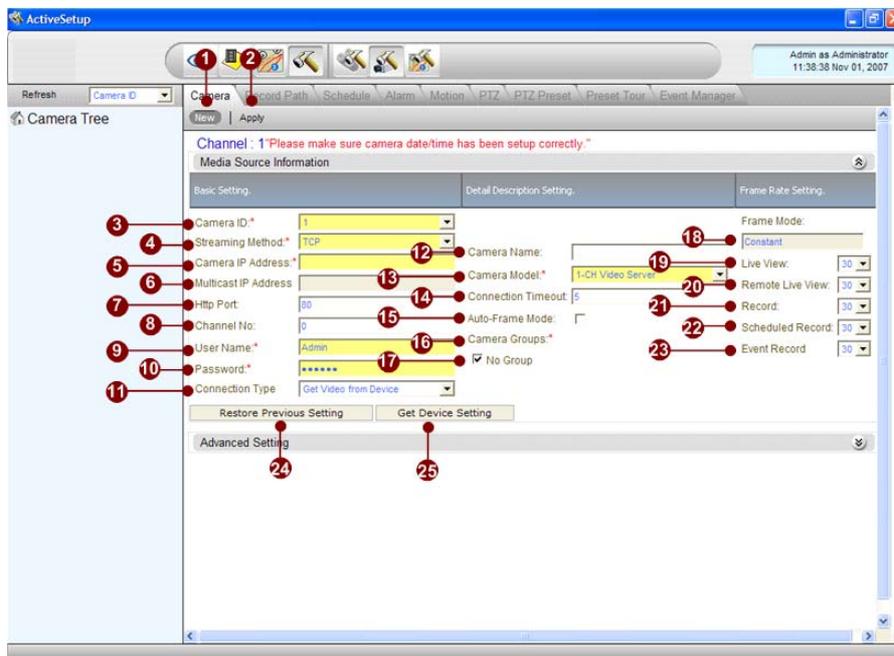


Figure 8.8 - Manual Camera Setup

Change Monitor Layout

To customize a monitor layout for a group of cameras:

Create a camera group

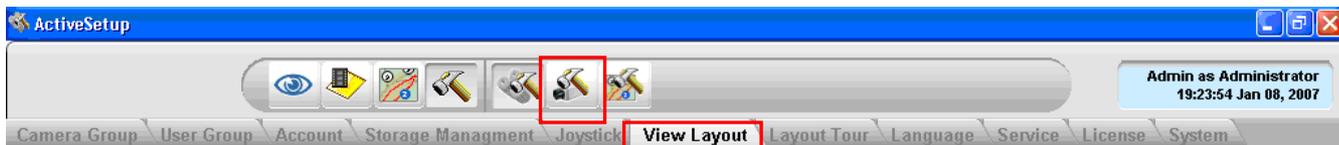
Add a device to the camera group

Setup Layout



Step 1. Double click the “Active Setup” icon to start Active Setup

Step 2. Select the “System Setup” icon and the “View Layout” tab



Step 3. Select the “New” button

Select “Camera group,” select the desired layout channel, input the “Layout Name,” then click the “Apply” button.

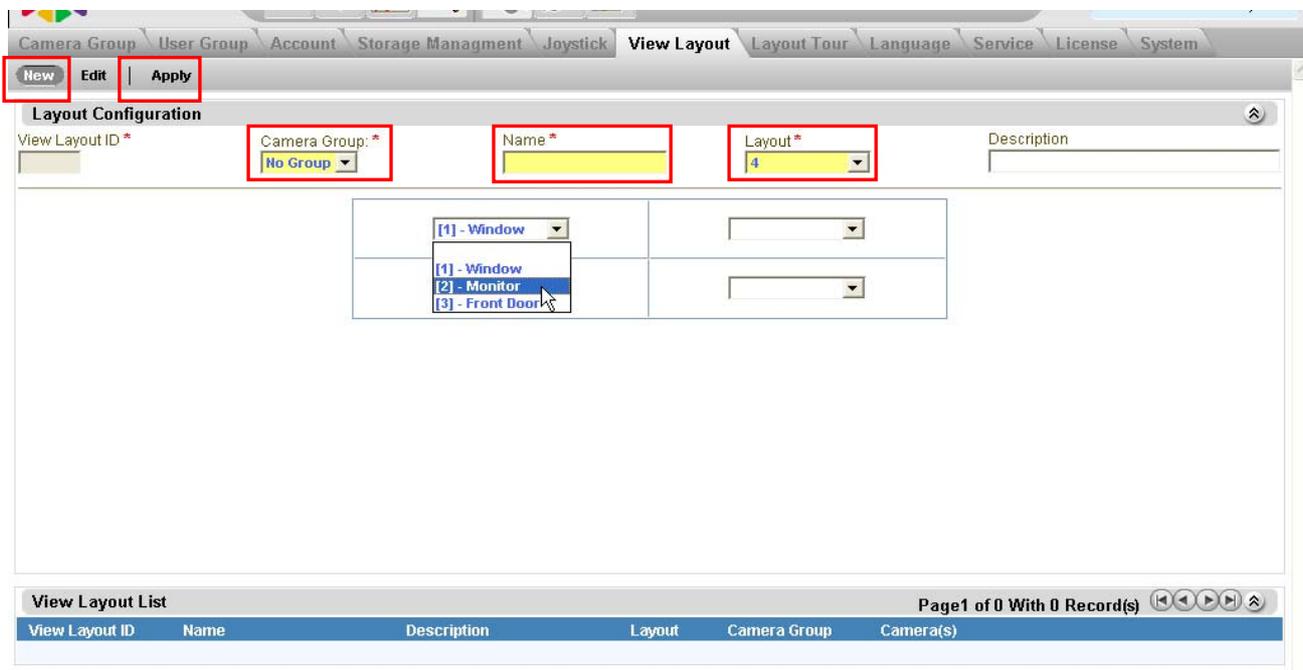


Figure 8.9 - Setup Layout

NOTE: For additional information, please refer to the “View Layout” section of the chapter titled “Active Setup” in the NVR User Manual

Schedule Recording

This section teaches you how to configure the recording schedule of the IP camera. The recording schedule is set by:

Weekly Schedule: All recording will be done and repeated weekly.

Special day: You can set a special schedule for special days. This schedule will overrule your previous weekly setting.

Please go to “Schedule” page of the “Camera setup” to setup.

NOTE: For additional information, please refer to the “View Layout” section of the chapter titled “Active Setup” in the NVR User Manual

Archiving

The recording path of the NVR has items to setup:

- **Recording Drive:** The hard drives for NVR to record on.
 - Please go to “**Recording**” page of the “**Camera setup**” to set.
- **Recording path:** The folder path of the recording on the hard drives.
 - Please go to “**Storage Management**” page of the “**system setup**” to set.

NOTE: For additional information, please refer to the “Recording” and “Storage management” sections of the chapter titled “Active Setup” in the NVR User Manual.

PTZ Setting

The PTZ settings must be entered in order for the PTZ Presets and PTZ Preset Tour functions to operate properly.

- PTZ setting: PTZ protocol, baud rate, camera ID must be set correctly.
 - Please go to “**PTZ**” page of the “**Camera setup**” to enter the settings.
- Preset setup: Setup the presets and preset tours for the camera.
 - Please go to “**PTZ preset**” and “**Preset tour**” page of the “**Camera setup**” to set.

NOTE: For additional information, please refer to the “Recording” and “Storage management” sections of the chapter titled “Active Setup” in the NVR User Manual

Event Action Setting

Upon an event, the NVR software can initiate a certain action such as starting to record or moving the camera to a preset point. To initiate this function, the event type, event schedule and event actions must be set.

1. **Event type:** There are many event types, including motion detection and alarm inputs. For motion detection, set the motion detection area and sensitivity.

Please go to “**Motion**” page of the “**Camera setup**” to setup.

2. **Event actions:** Set the NVR actions to take upon an event trigger.

Please go to “**Schedule**” page of the “**Camera setup**” to set.

3. **Event Schedule:** To set the duration of the designated event action.

Please go to “**Event manager**” page of the “**Camera setup**” to set.

NOTE: For additional information, please refer to the “Camera setup” section of the chapter titled “Active Setup” in the NVR User Manual.

Account Setup

Each account is assigned a permission level and a camera channel or group of channels that are available to that account. Multiple permission levels and camera channels can be set up.

Camera Groups \ User Roles \ Users \ Storage Management \ Joystick \ View Layouts

New Edit | Apply

User Information

User Account* Admin

Email Address* Admin@activator.com

Camera Group Permissions* No Group

User Name* Admin

User Role* Administrator

1. **User Group:** You can define different groups with different permission levels which limit users' operation of the NVR software. For example: users with administrator level permission can operate all functions and normal level permission only allows viewing the video.

Please go to “**User Group**” page of “**System Setup**” to enter settings.

2. **User Information :** Define each user's information by selecting the user group this user belongs to and camera groups this user can access.

Please go to “**Account**” page of “**User information**” to setup.

NOTE: For additional information, please refer to the “Recording” and “Storage management” sections of the chapter titled “Active Setup” in the NVR User Manual

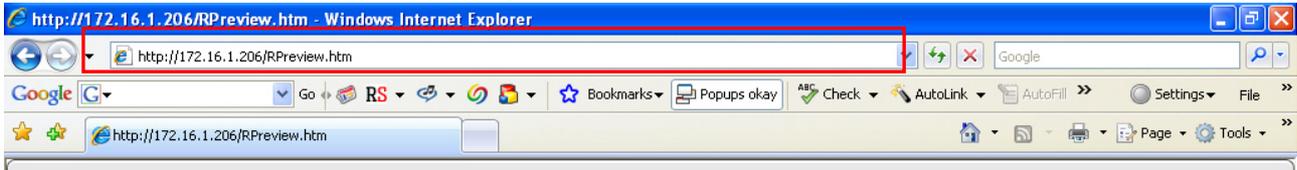
Remote Client Login

The NVR can be accessed remotely via a standard Internet Browser. Type the IP address or the domain name of the machine hosting NVR software. To ensure the client functions properly, setup the Web-server first. Please follow the instructions in the “Web-server” section of the installation guide.

How to Login

Step 1. Open Internet Explorer

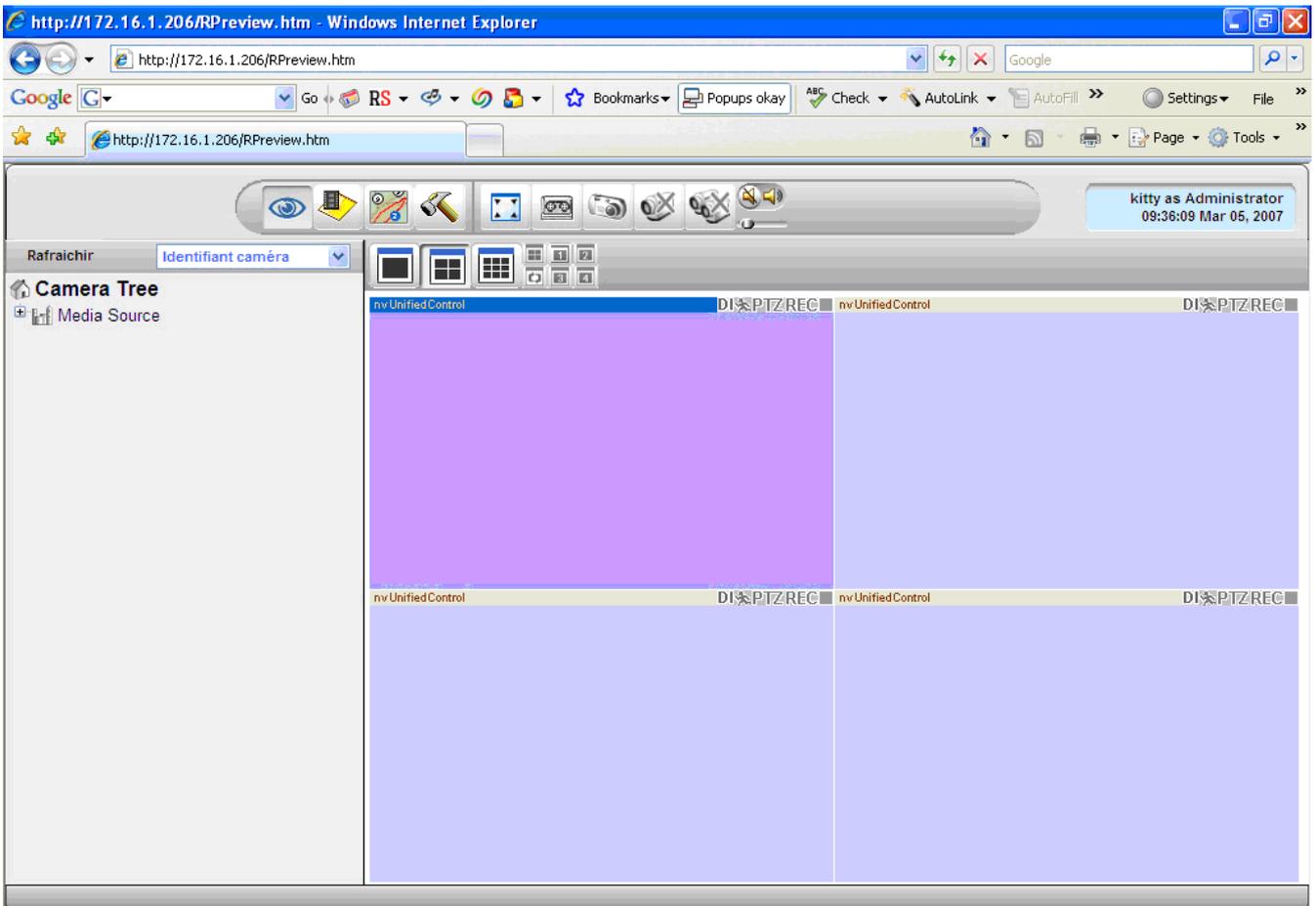
Step 2. Enter the IP of the PC housing the NVR Software



Step 3. If there are any Security notes, click the note to enable the operation.



Step 4. The web-client below will appear



NOTE: For additional information, please see the chapter titled “NVR Web Client” in the NVR User Manual

9. Trouble Shooting

NVR Troubleshooting

This section pertains to possible errors that occur when attempting to set up a single IP video device on a standalone machine, such as a laptop. There are a few errors that commonly occur in this type of installation:

1. When connecting an IP device directly to a laptop or computer (instead of connecting the device to a router, then connecting the router to the computer), the use of a Crossover Cable is required.
2. The laptop or computer must not be connected to another network (wireless or otherwise) when attempting to view the video from the IP device. The computer running NVR Professional must be on the same network segment as the IP device.
3. If the IP device is properly connected to the laptop or computer, but NVR Professional gives the following error message when trying to save settings to the device:

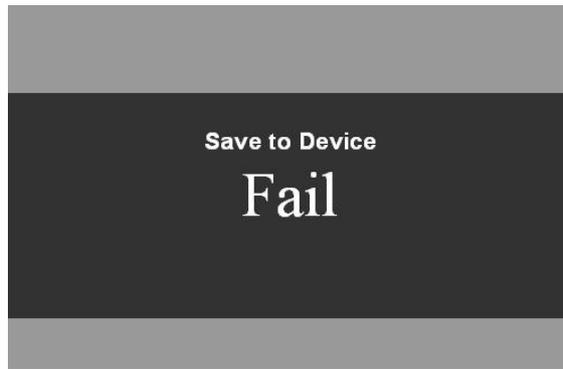


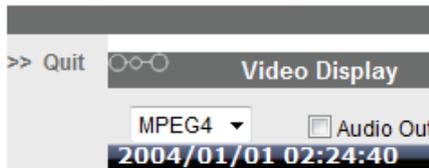
Figure 9.1 - Save Device Settings Failure

- a. The settings of the IP device could need to be changed. If this error appeared after powering the IP device off and on, do the following:
 - i. Run the IP Utility software found on the CD included with the product.
 - ii. Click on the blue, underlined IP address new to the device (see below)

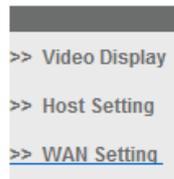




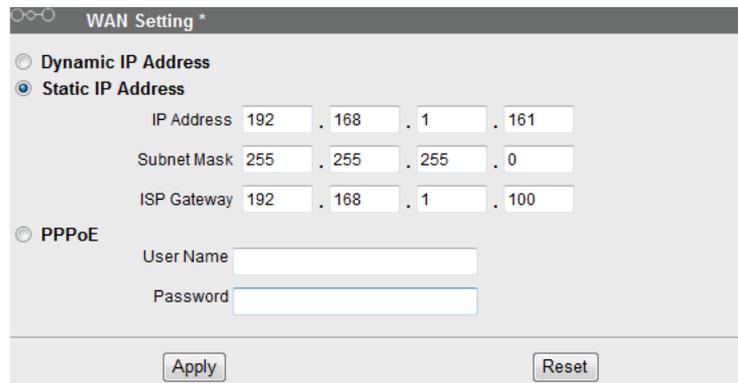
- a. Enter Username: Admin, Password: 123456
- b. Once the video feed appears, select **Quit** to return to the main menu.



- c. Select the **WAN Setting** link

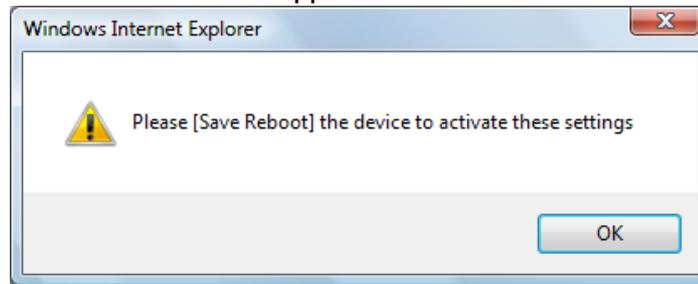


- d. Select Static IP address.
- e. Enter an IP address for the device.
 - iii. This will be the same IP address that NVR Professional attempts to locate. The first three sets of numbers for the IP Device's address must match that of the Laptop/Computer.
- f. Enter an address under ISP Gateway. If the IP Device is connected to the computer via a router, enter the router's IP address. If the device is connected to the computer directly, enter the IP address of the computer.



- g. Click **Apply** when the desired values have been entered.

- h. Click OK when the below screen appears.



- i. Click on Save Reboot to save the settings to the IP device.

>> Factory Default
>> Save Reboot
>> Logout

NVR Installation Troubleshooting

Create database error

Error 27552: Error creating database ControlCenter.
When installing NVR v2.2 and the below message appears, please follow the instructions below to recover it manually.

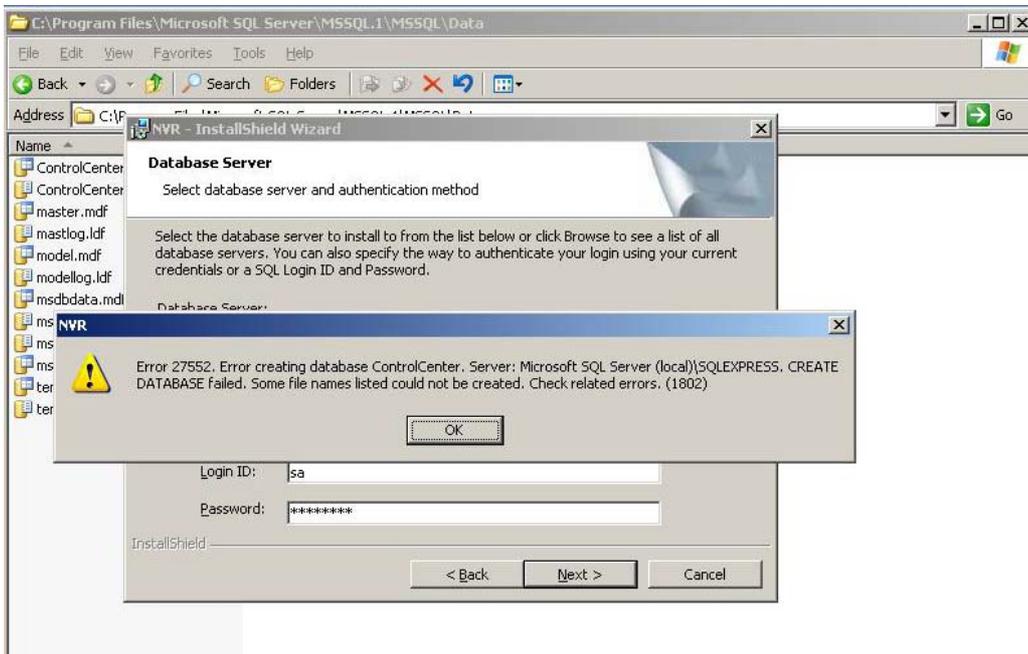


Figure 9.2 Error 27552: Error creating database ControlCenter

Steps: Delete ControlCenter.mdf and ControlCenter_log.LDF manually

Steps:

1. Goto C:\Program Files\MSSQL\MSSQL.1\MSSQL\Data
2. Delete ControlCenter.mdf and ControlCenter_log.LDF manually

Note that existing camera, recording information and all database records will be deleted. Please use BackupWizard to backup database records first.

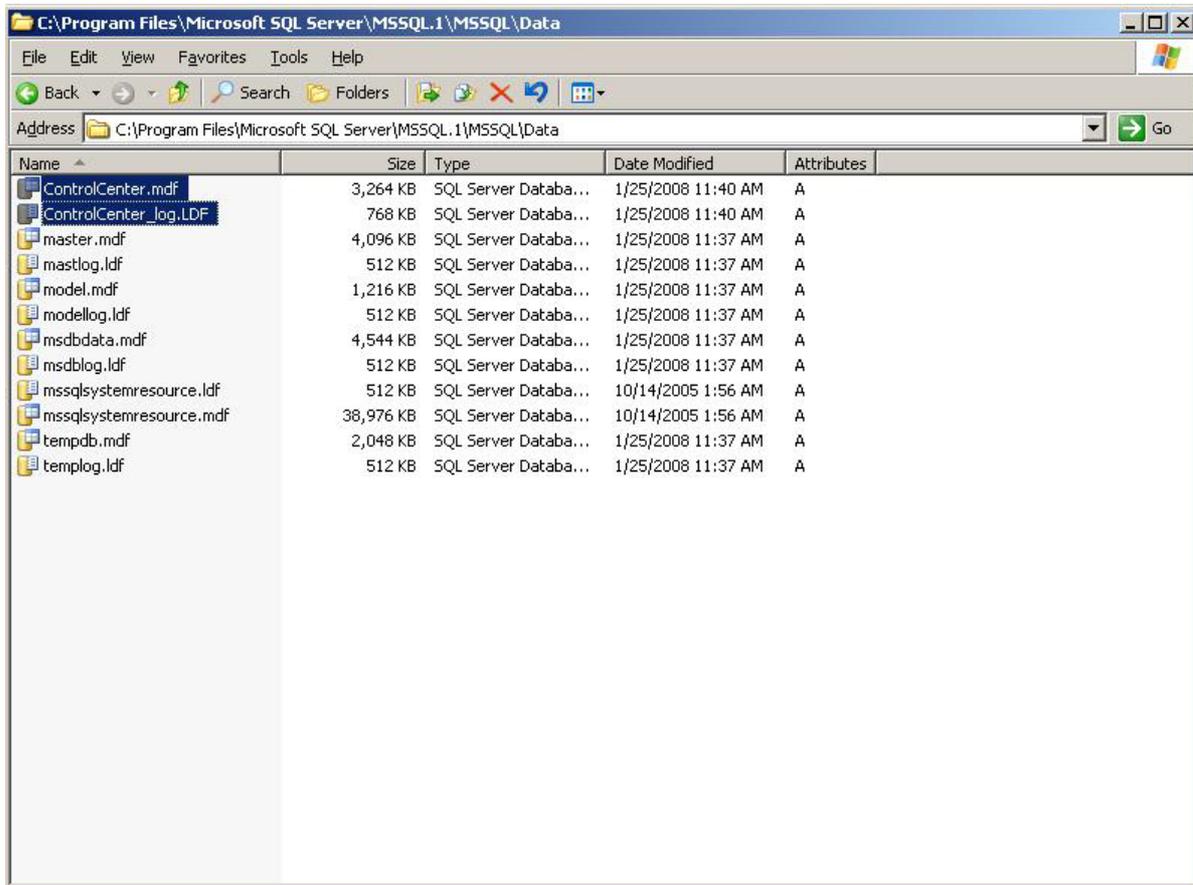


Figure 5-3 Delete ControlCenter.mdf and ControlCenter_log.LDF manually

Install NVR v2.2 Again

If this does not work, please contact Aigis Mechtronics Technical Support directly.

Disable UAC Error during Installation

Windows Vista comes with new UAC (User Access Control) mechanism which may cause NVR installation to fail due to ActiveX Control registration. This occurs when Windows Vista does not have enough permissions to run installation.

We suggest the user turn off Windows Vista UAC mode to avoid issues during installation.

Disable User Access Control

If, during the NVR Professional installation the Installation Wizard prompts you with the following screen, refer to the “Note to Vista Users” section on page 11. This section will guide you through disabling UAC. This will require rebooting the system and re-initializing the installation.

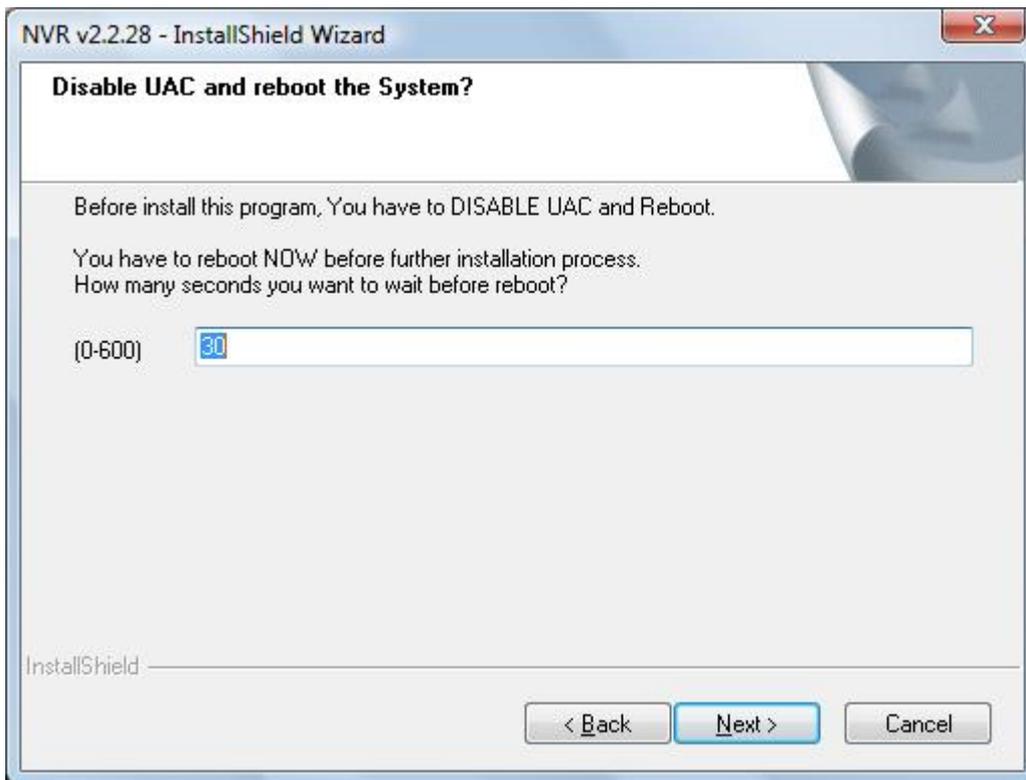


Figure 9.3 Disable UAC and Reboot the System

Un-install SQL 2005 Notes

Select “SQL Server 2005” then click Remove

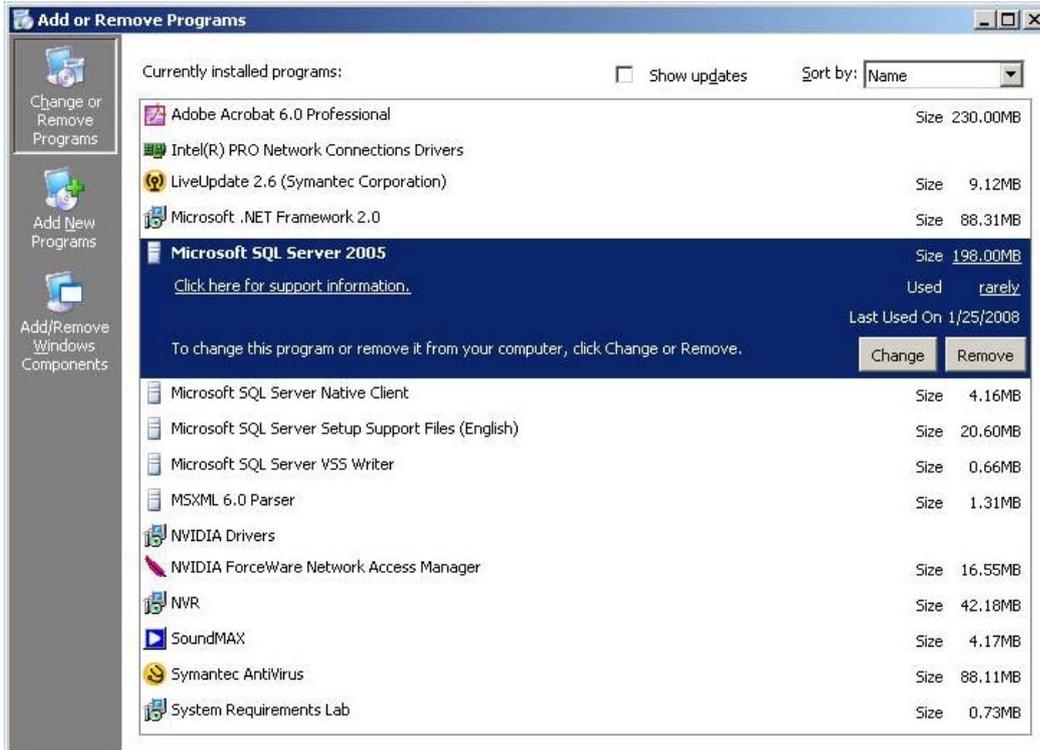
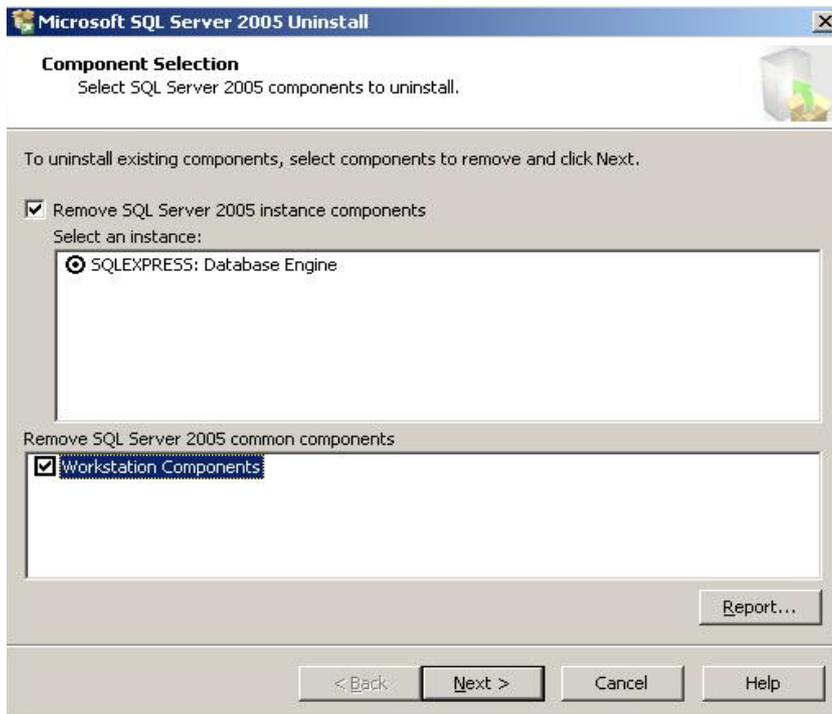


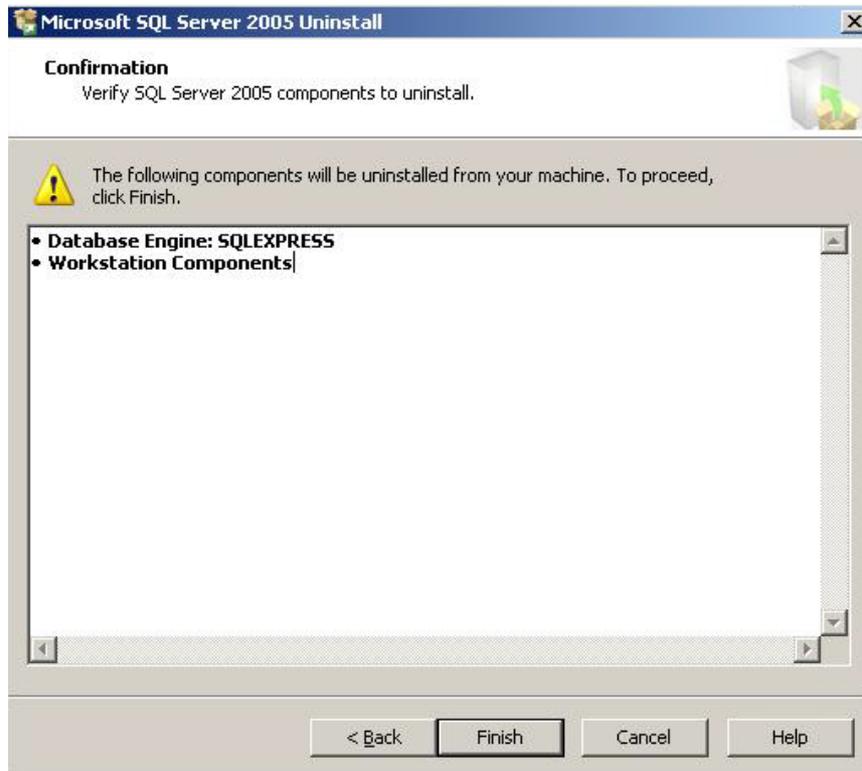
Figure 9.4 Remove SQL Server 2005

Select SQLEXPRESS:Database Engine enable

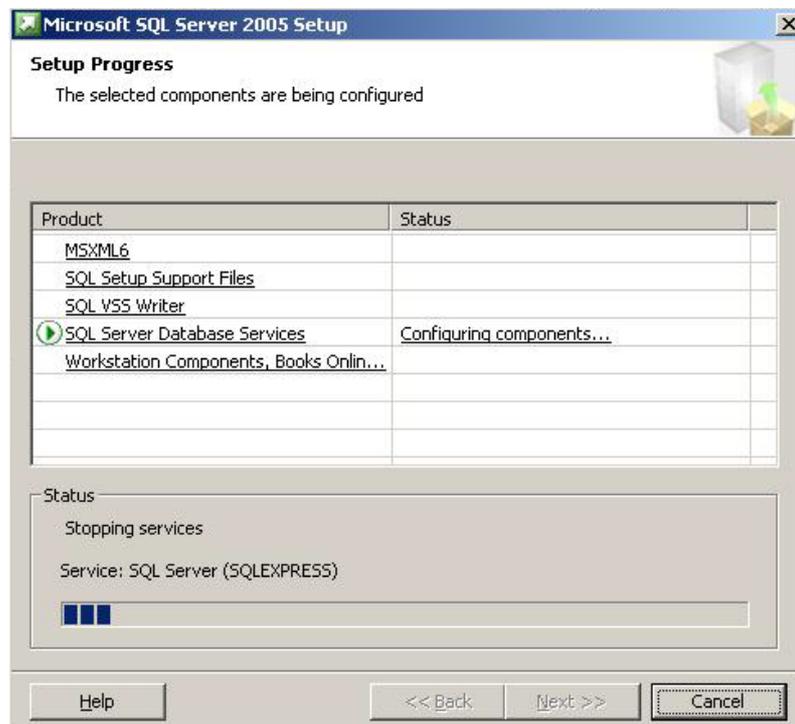
Make sure you also enable Select Workstation Components option.



Click Finish to un-install SQL2005



Un-installation progress



Uninstall SQL Server 2000 Notes

Select SQL Server Desktop Engine, then click remove

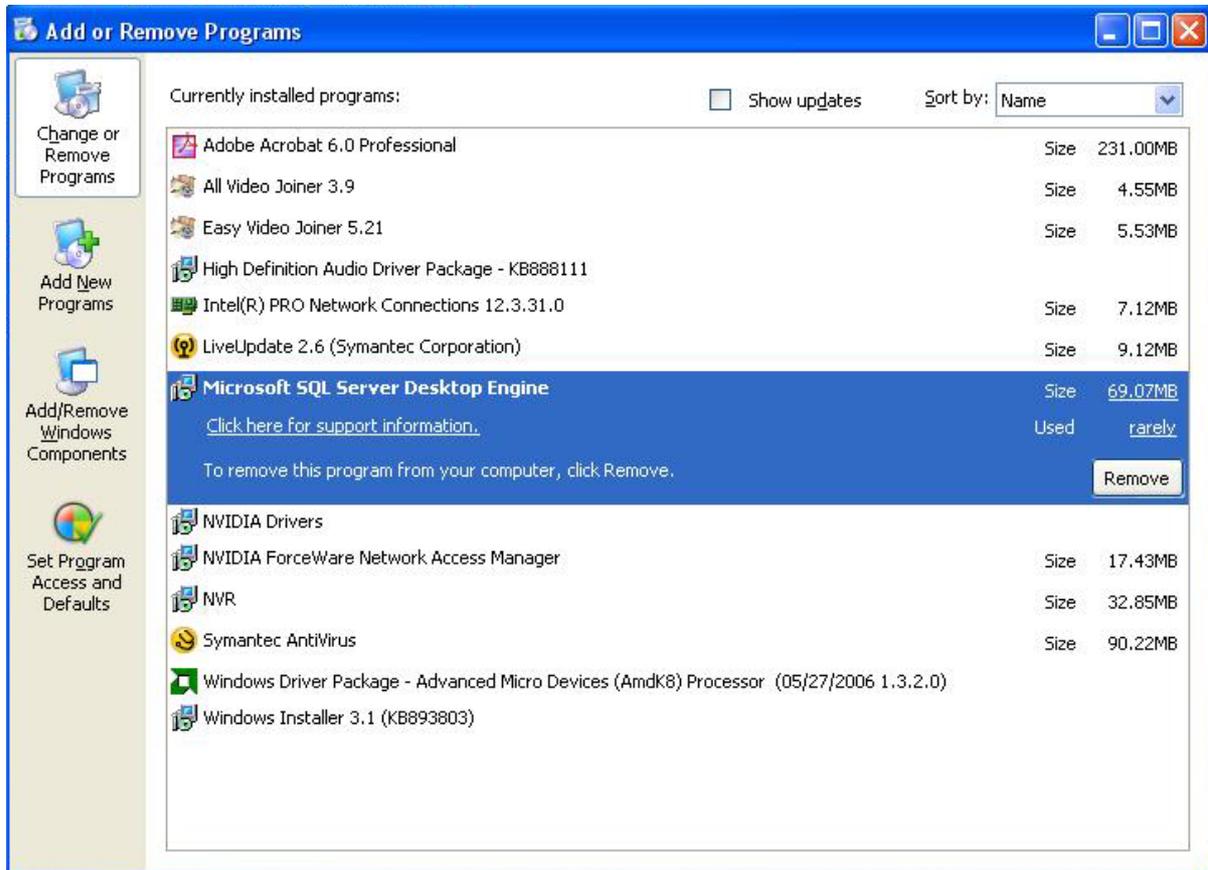


Figure 9.5 Remove SQL Server 2000