NVR+

User Installation

Guide

Version 3.2.0

Linovision Technologies

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Update Note

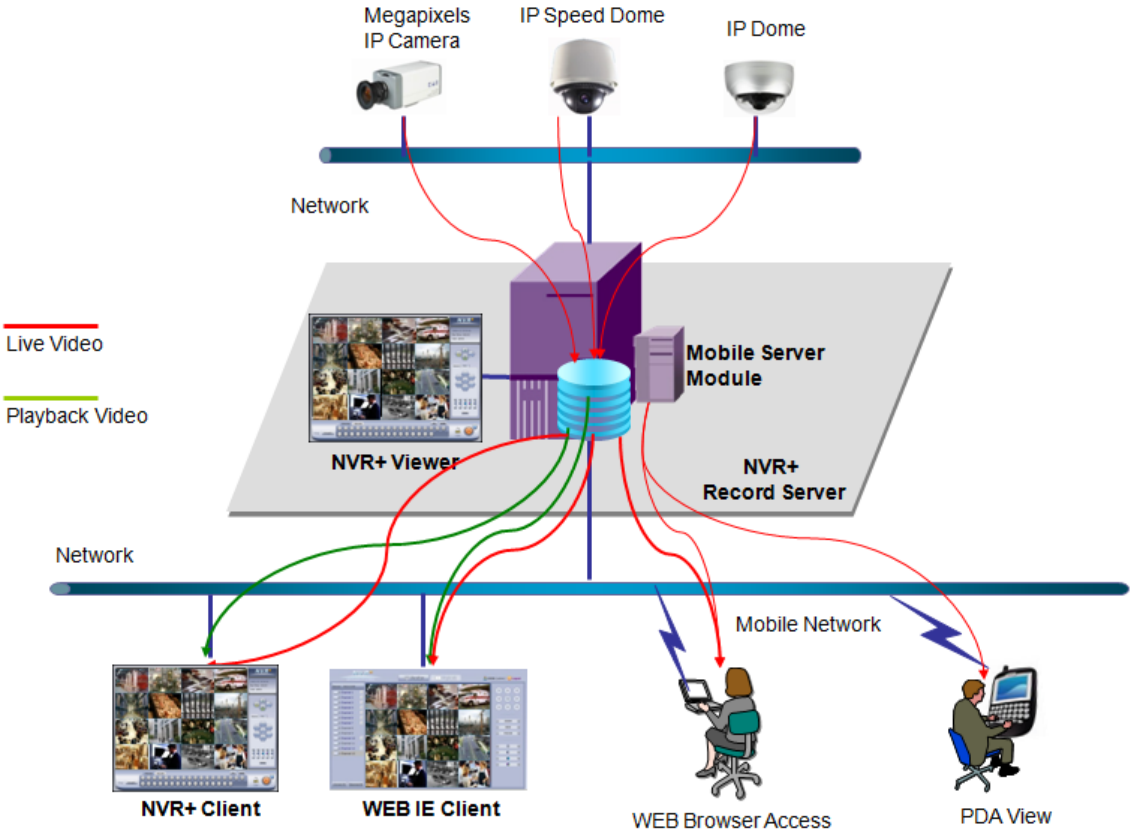
Date: 20/04/2011

1. Rebuild the user manual's map.
2. Update all **Mini-Player** to **File-Player**.

1. Preface

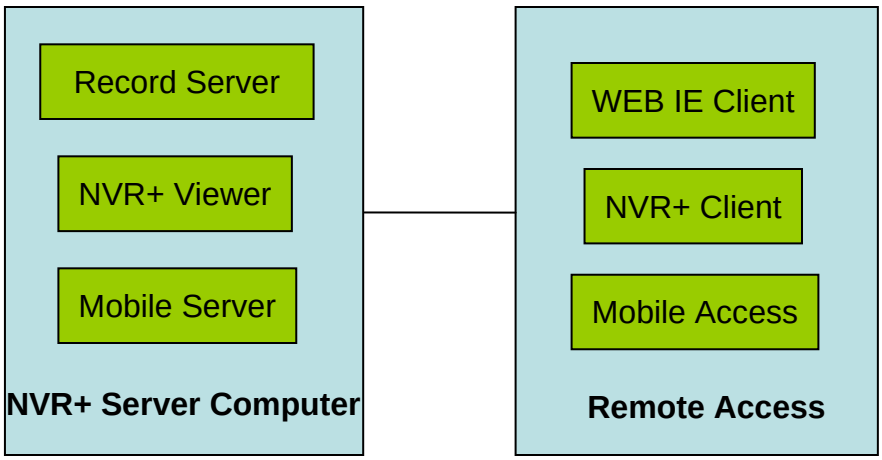
Thanks for choosing Linovision's products.

The NVR+ system is a PC based versatile video management system to manage max 64 channels of IP cameras. It has a built-in mobile stream server to forward standard video to wireless device.



Main Modules:

Component	Description
NVR+ Record Server	The NVR+ Record Server is the core component of the NVR+ IP Surveillance system. It has several functions: • Connection to each IP camera and IP video server • Recording of video and audio • Receive events and activate pre-defined alerts and actions • Host and control access from NVR+ clients • Logging of activity NVR+ Record Server is running at system backend with pre-defined recording strategies.
NVR+ Viewer	The NVR+ Viewer provide a graphic interface for system operators or administrators to do all the daily operations, such as simultaneous live view, time-line playback, PTZ control, intelligent search functions and backup of evidence material. The NVR+ Viewer is directly attached to the NVR+ Record server.
NVR+ Mobile Server	The NVR+ Mobile Server is a video stream gateway for mobile phone / PDA / WEB Browser access. It transforms protected high-bandwidth stream from NVR+ Record Server to • Standard RTSP stream suitable for PDA live view and WEB Browser access; • Motion pictures suitable for most of mobile phones The NVR+ Mobile Server can be directly attached to the NVR+ Record Server, or install separately and establish connection to NVR+ Record Server.
NVR+ Client	The NVR+ Client allow system operators or administrators to do all the daily operations remotely, such as simultaneous live view and playback up to 36 channels, PTZ control, intelligent search functions and backup of evidence material.
WEB IE Client (new)	This WEB IE client provides a very convenient way for user to access NVR+ server through IE browser. It supports remote preview / playback /PTZ control operations.



Application Modules:

NVR+ Wizard: a configuration tool to configure channels, add/delete IP device, and allocate recording space.

File Player: a standalone player tool for exported video clips.

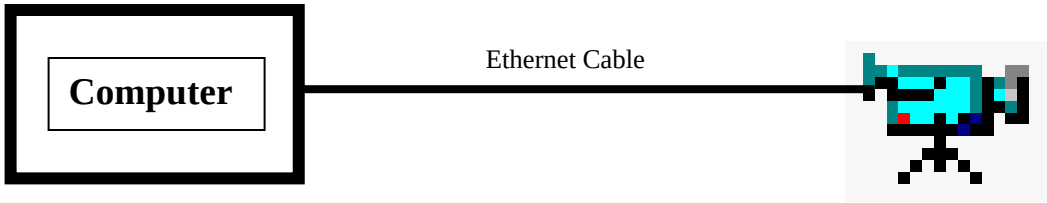
NVR+ Player: the advanced player application to easier access local recorded video, support max 36ch simultaneously playback, export video to external storage, CD/DVD burn, etc.

The most advanced system architecture

- **Fully modularized design**. Each module can be working independently;
- **Super flexible combination**. For example, NVR+ Client can manage multiple NVR+ Servers, the Mobile Server can also be working with multiple NVR+ Record Servers, NVR + Server itself can forward video to other NVR+ Servers.

2. Network Device Installation

2.1 Install IP Camera

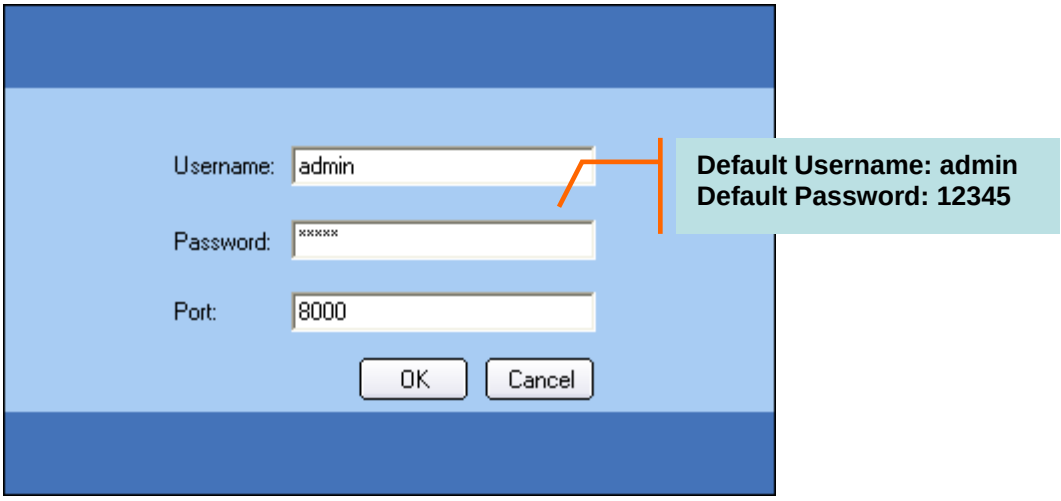


Between the IP camera and computer, we use the Ethernet cable to connect them. The cable not only transfers the video data, but also delivers some instructions.

2.2 Configure IP camera

After installing IP camera, we should configure the IP camera through IE.

Open IE, input the address: http://192.0.0.64 (**Take DS series IP Camera for example, 192.0.0.64 is the default address of DS IP camera**)

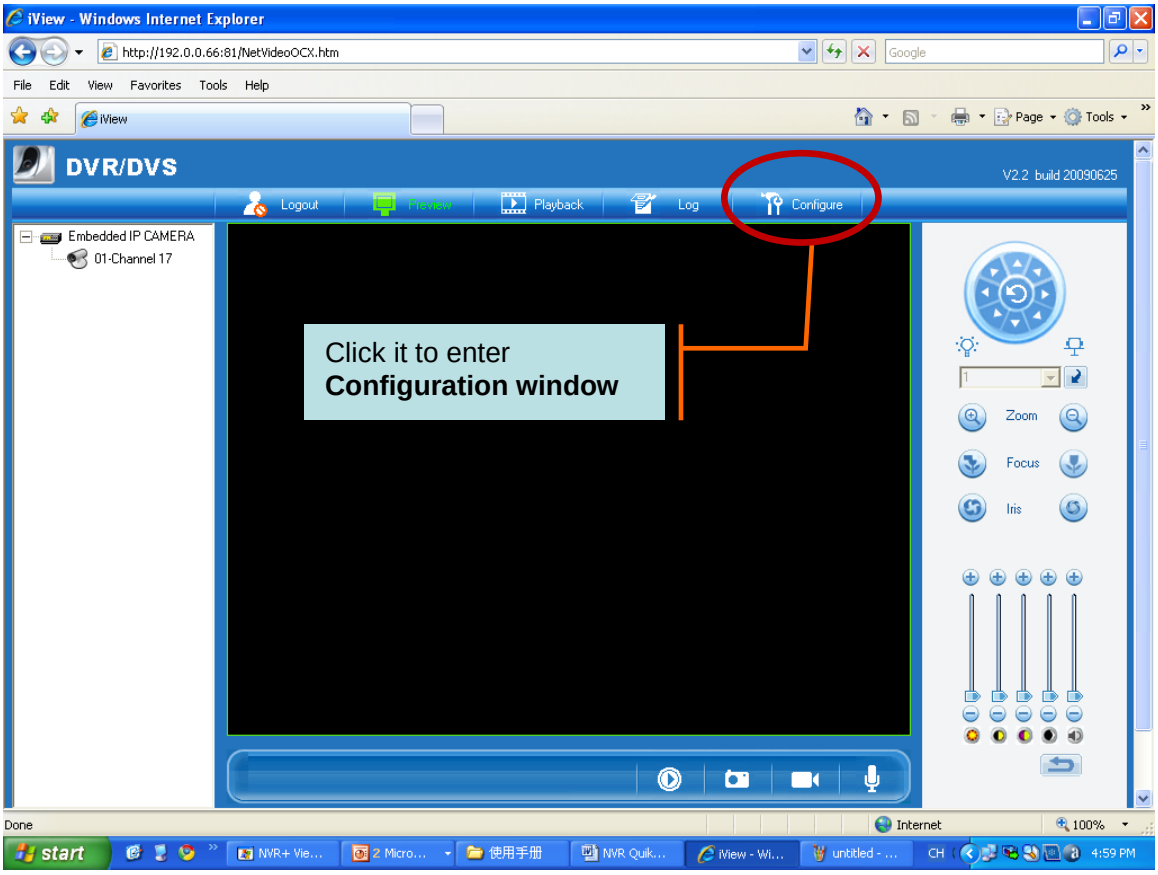


Login Page

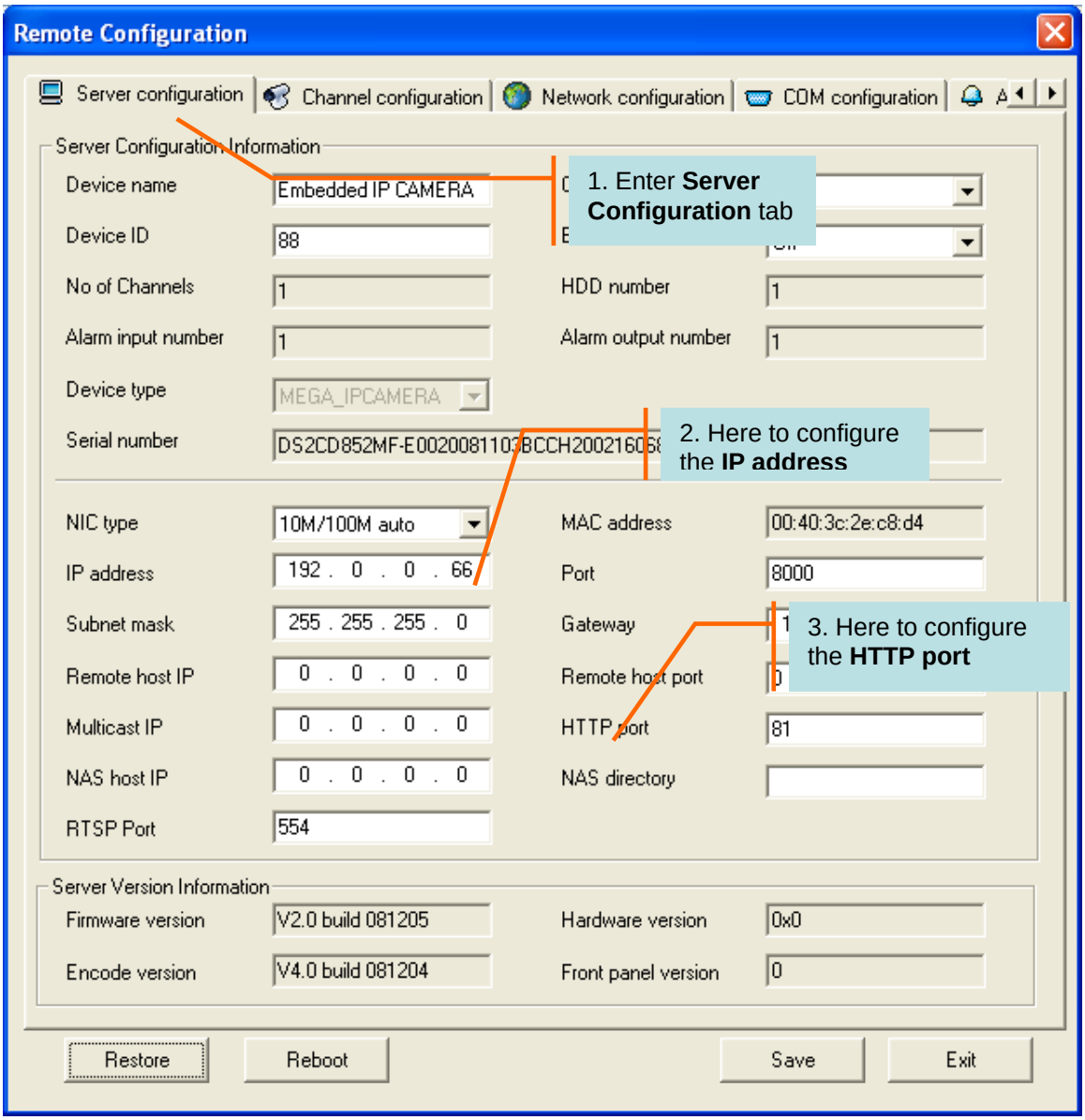
The most important thing in IP camera configuration is the IP address and HTTP port.

Note: The Default IP address, Username, Password and Port should be the same to each series.

If login successfully, it will show as below:



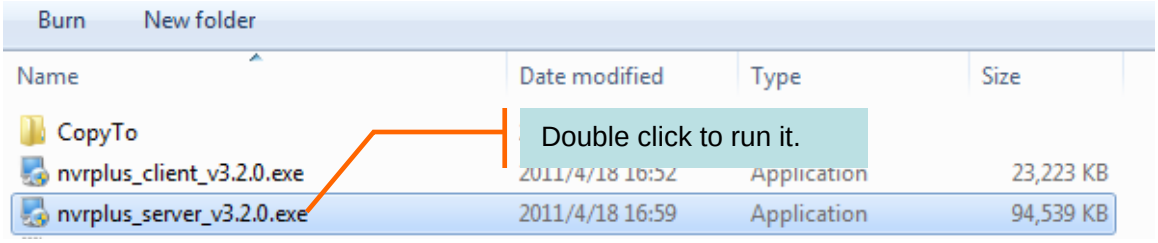
You could click the channel to preview and check other functions. Click configure to modify the network parameters as below:


Remote Configuration
Server configuration
Channel configuration
Network configuration
COM configuration
Server Configuration Information
Device name
Embedded IP CAMERA
Device ID
88
No of Channels
1
HDD number
1
Alarm input number
1
Alarm output number
1
Device type
MEGA_IPCAMERA
Serial number
NIC type
10M/100M auto
MAC address
00:40:3c:2e:c8:d4
IP address
192 . 0 . 0 . 66
Port
8000
Subnet mask
255 . 255 . 255 . 0
Gateway
Remote host IP
0 . 0 . 0 . 0
Remote host port
Multicast IP
0 . 0 . 0 . 0
HTTP port
81
NAS host IP
0 . 0 . 0 . 0
NAS directory
RTSP Port
554
Server Version Information
Firmware version
V2.0 build 081205
Hardware version
0x0
Encode version
V4.0 build 081204
Front panel version
0
Restore
Reboot
Save
Exit
1. Enter Server Configuration tab
2. Here to configure the IP address
3. Here to configure the HTTP port

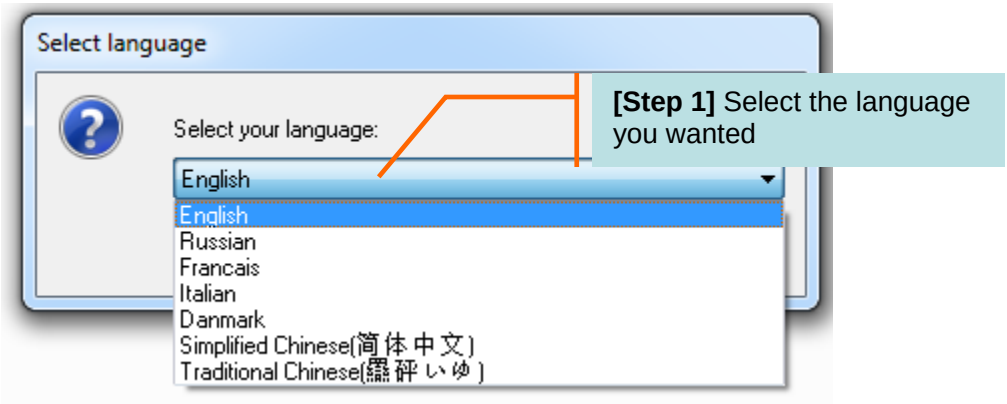
3. Software Installation

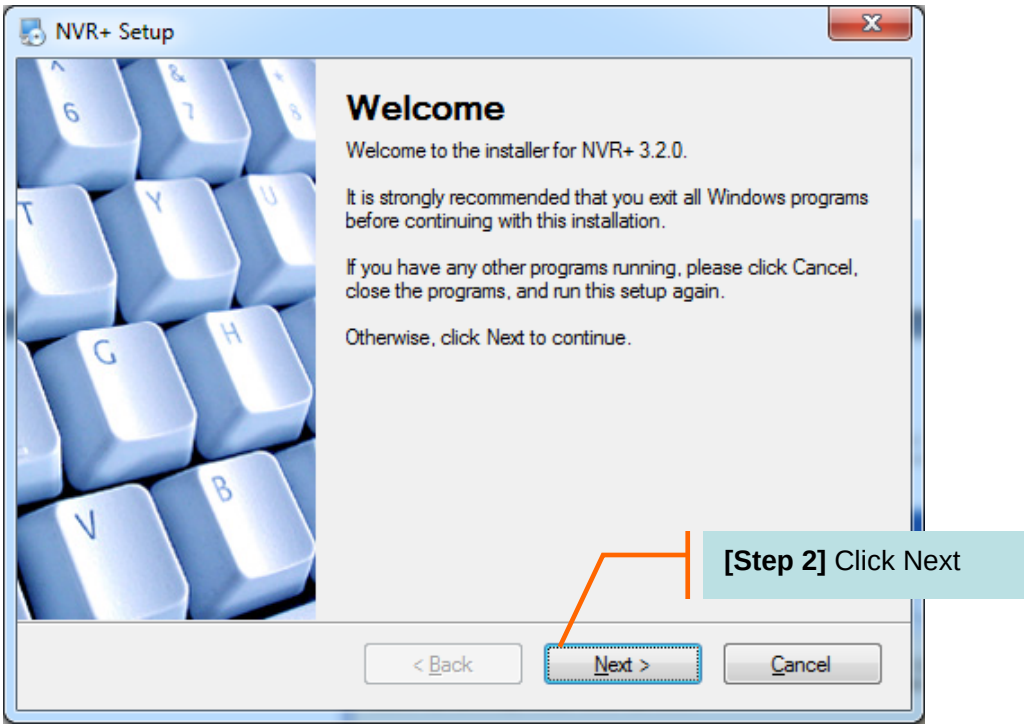
3.1 Installation

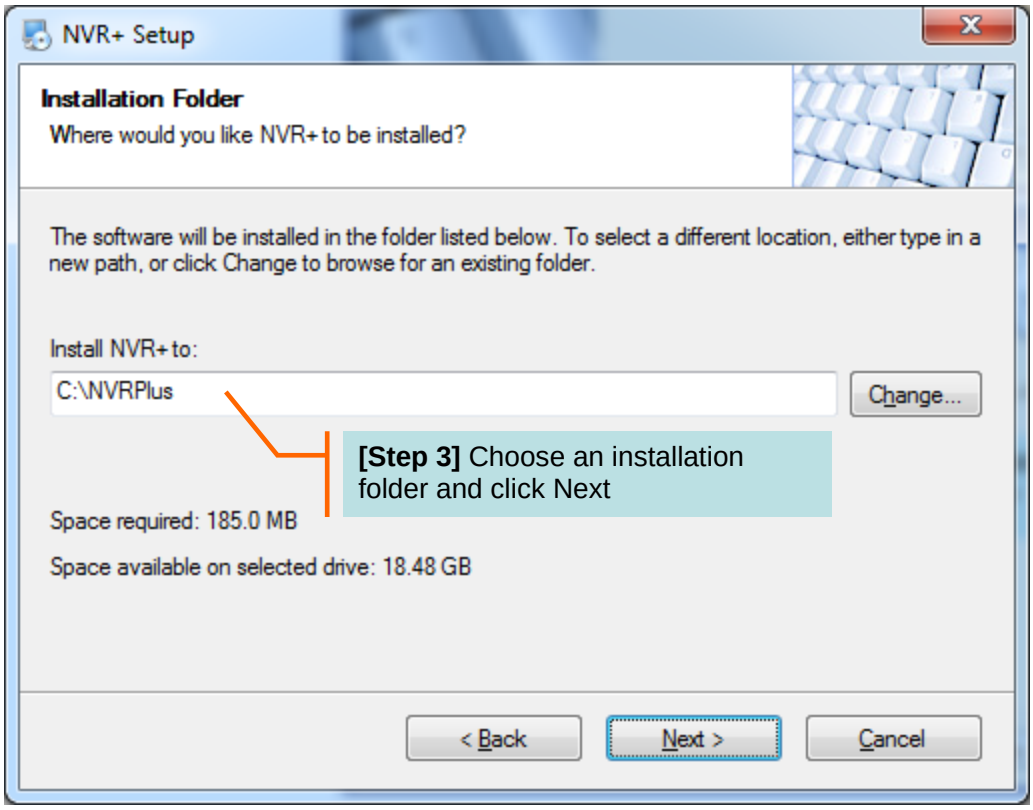
When you get a software installation CD or download from website, you may get installation files like this:

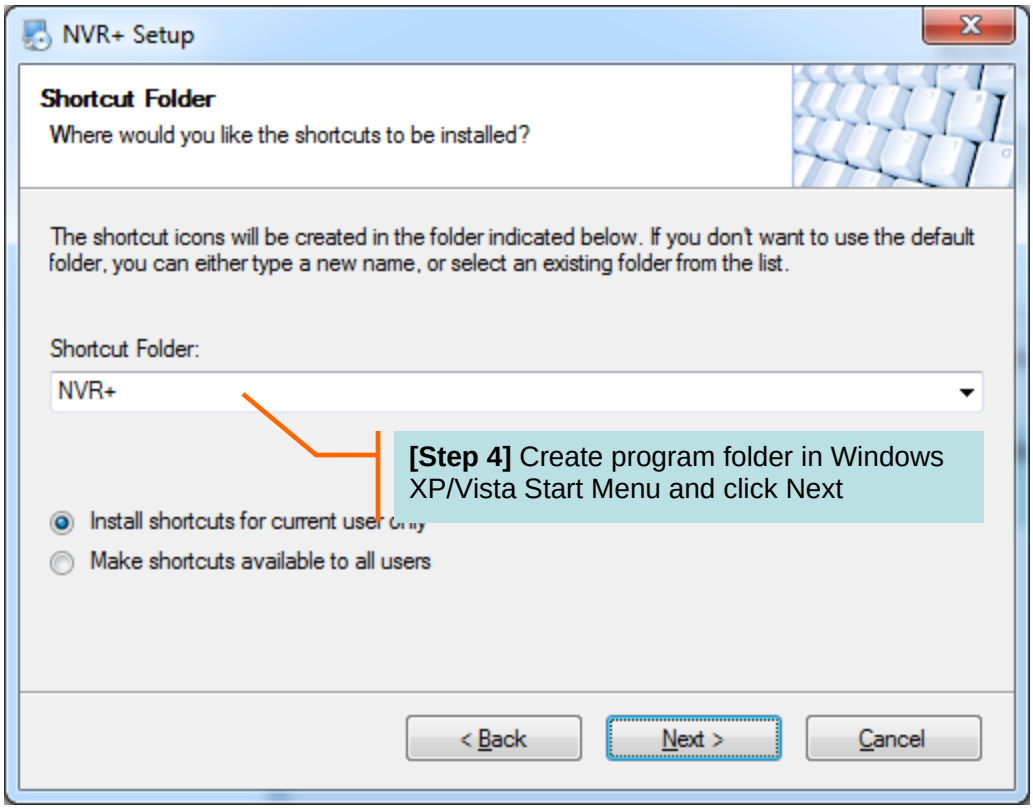


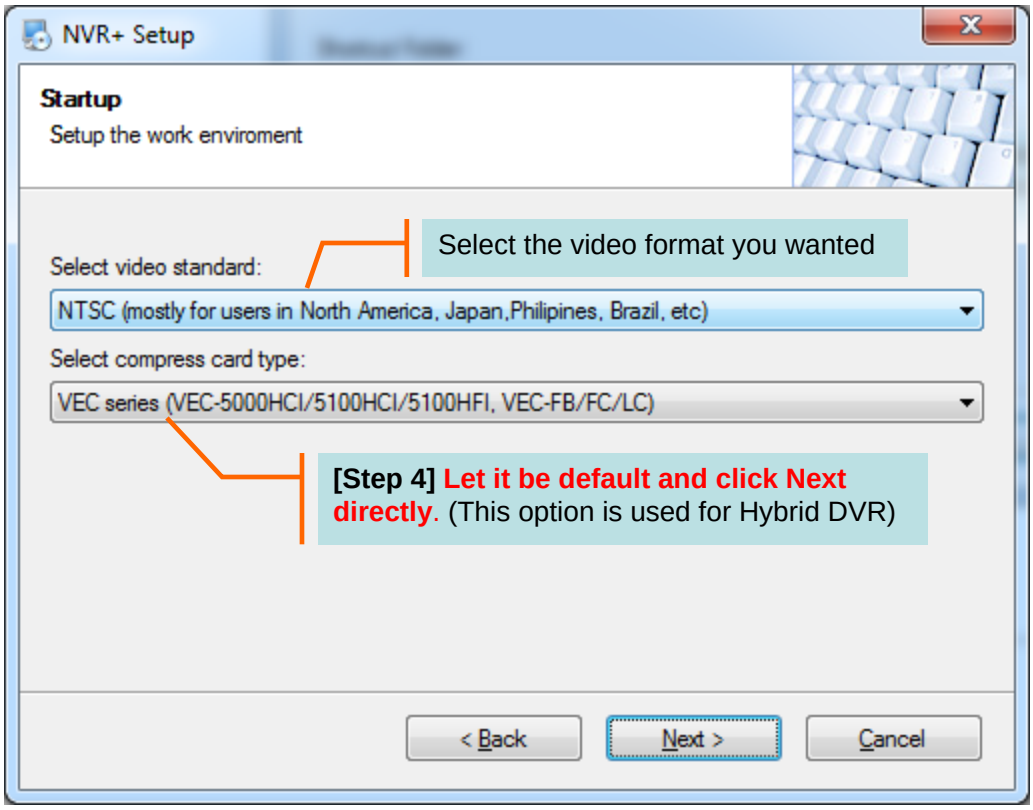
To run the software, just double click the installation file named "nvrplus_server_vx.x.x.exe". Seeing the steps as below:





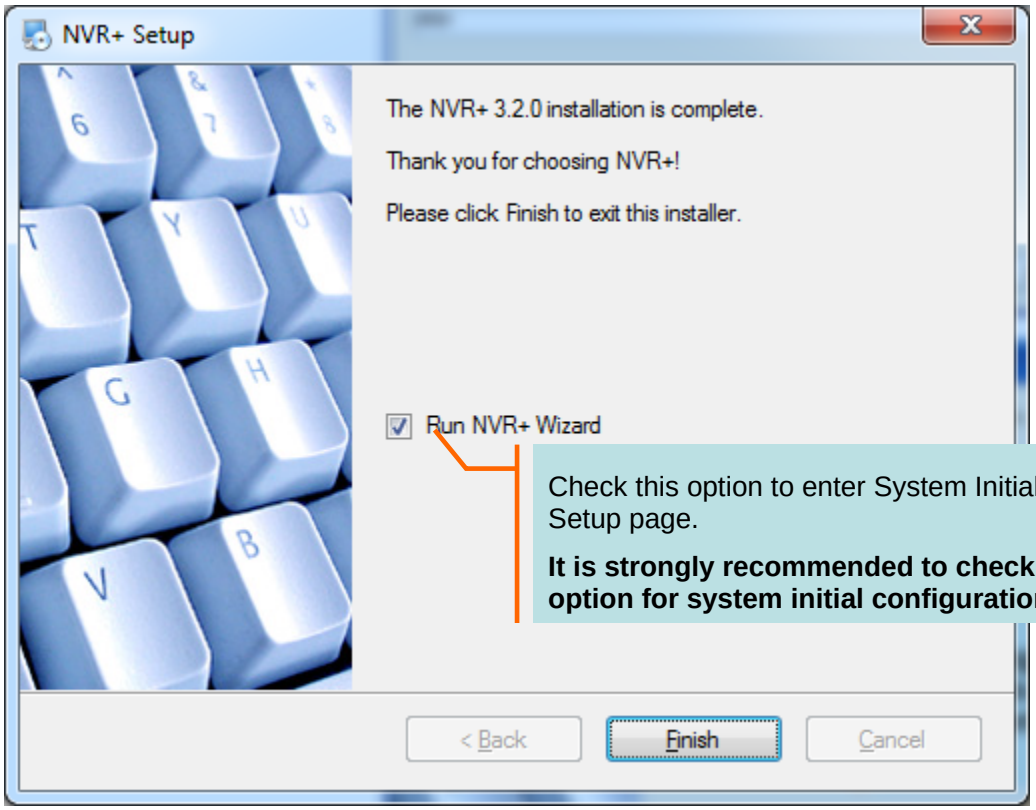

NVR+ Setup
Installation Folder
Where would you like NVR+ to be installed?
The software will be installed in the folder listed below. To select a different location, either type in a new path, or click Change to browse for an existing folder.
Install NVR+ to:
C:\NVRPlus
Change...
[Step 3] Choose an installation folder and click Next
Space required: 185.0 MB
Space available on selected drive: 18.48 GB
< Back
Next >
Cancel


NVR+ Setup
Shortcut Folder
Where would you like the shortcuts to be installed?
The shortcut icons will be created in the folder indicated below. If you don't want to use the default folder, you can either type a new name, or select an existing folder from the list.
Shortcut Folder:
NVR+
[Step 4] Create program folder in Windows XP/Vista Start Menu and click Next
Install shortcuts for current user only
Make shortcuts available to all users
< Back
Next >
Cancel



Select the video format you wanted

[Step 4] Let it be default and click Next directly. (This option is used for Hybrid DVR)



Check this option to enter System Initial Setup page.

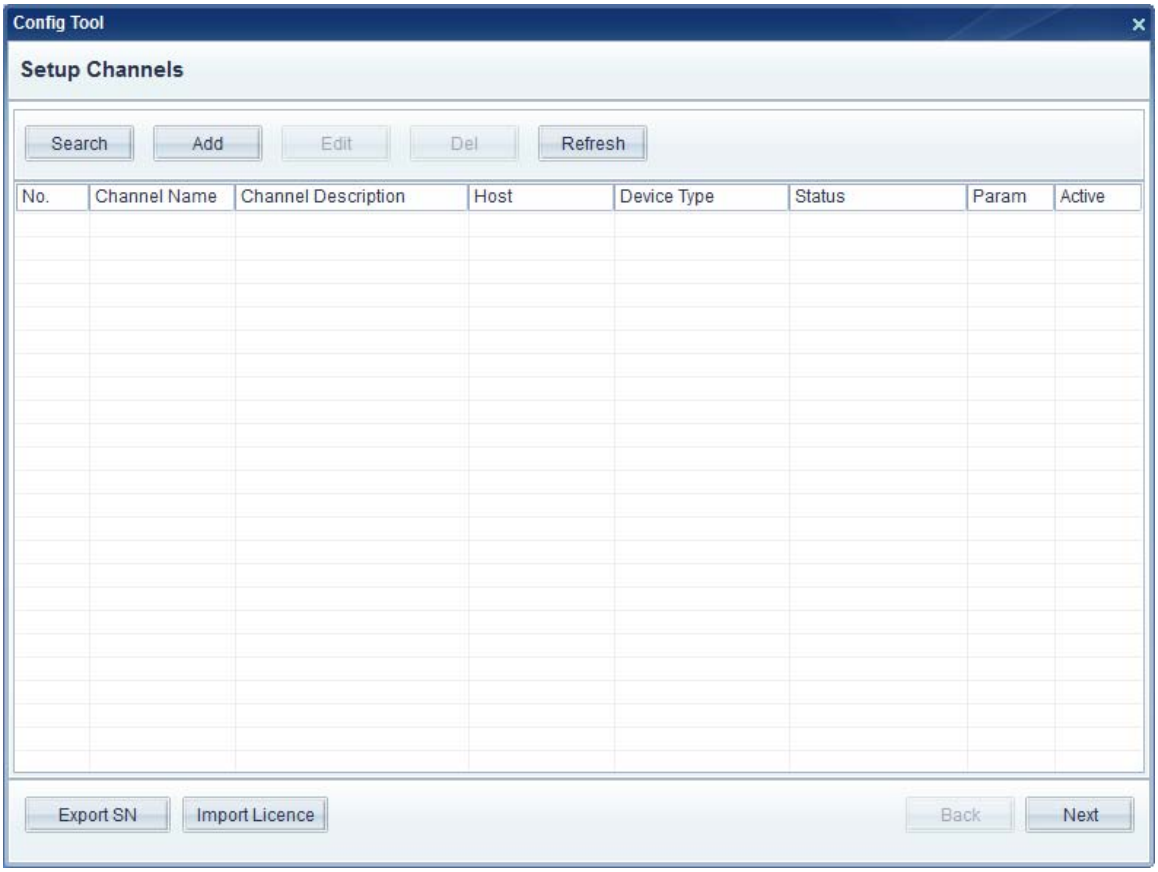
It is strongly recommended to check this option for system initial configuration.

After clicking **Run NVR+ Wizard**, you will firstly enter the **Configure Tool** login window.

3.2 Software Wizard Configuration

3.2.1 Channels Configuration

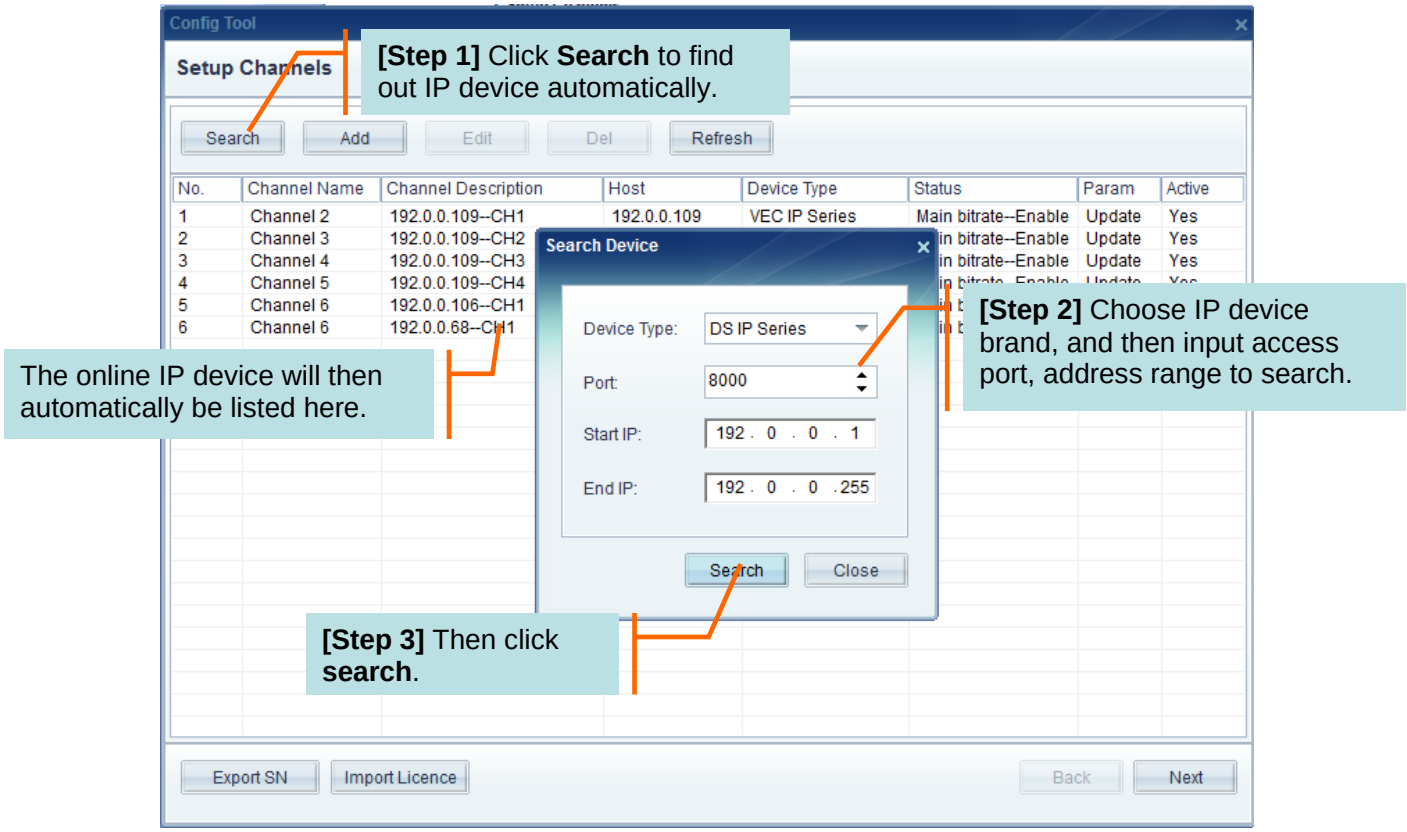
Enter the configure tool window as below. This is used to add/delete channels, and then allocate recording space for these channels (advanced pre-allocation technology).



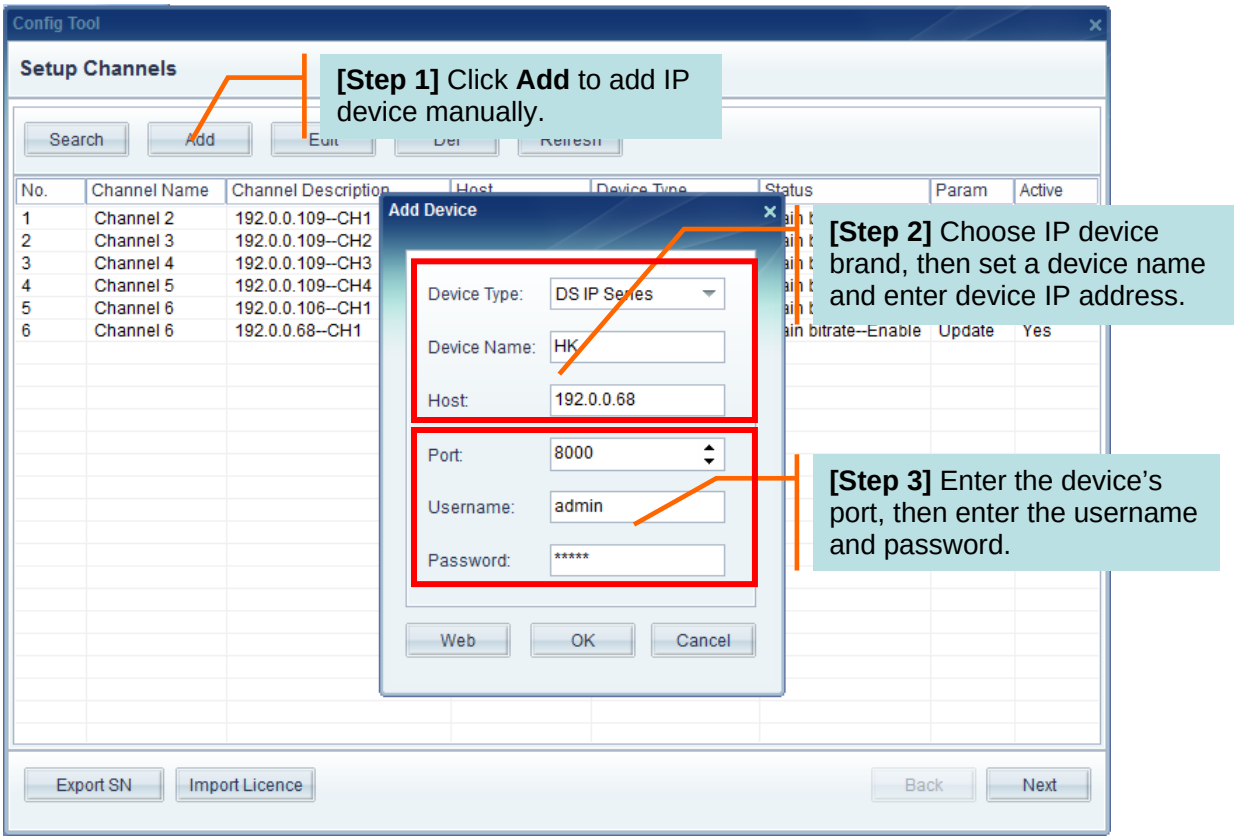
You can also add more IP device/channels here. There are two ways to do it:

- **Search** IP device automatically
- **Add** IP device/channel manually.

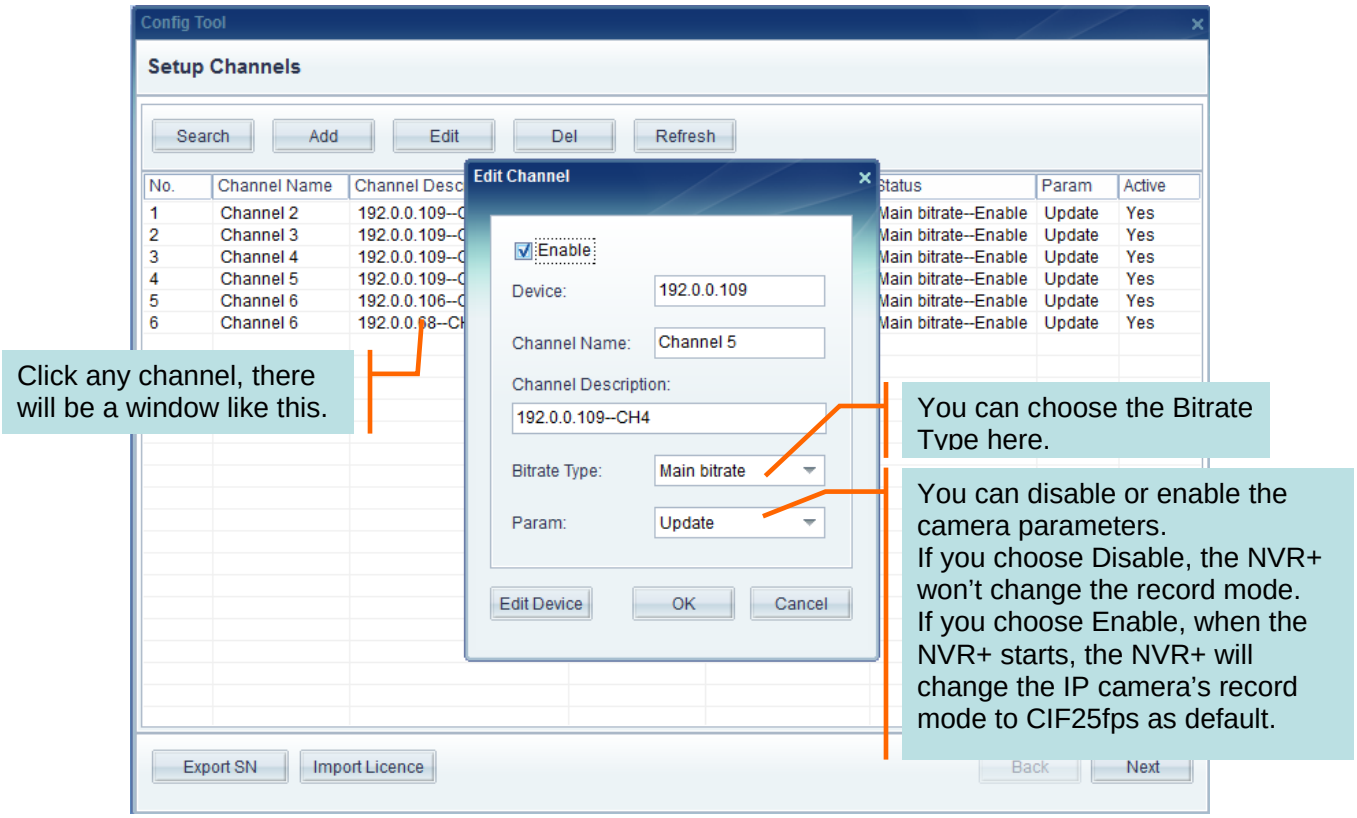
To search IP device automatically in the same LAN network



To add IP channels manually



You can also click on the channel information row to edit the channel name and Enable/Disable it.



Available Device type:

DS IP series: For all Hikvision IP camera/Standalone DVR/Video servers;

Launch IP series: For all Launch IP camera/Standalone DVR;

Vivotek IP series: For all Vivotek IP camera/Standalone DVR/Video servers;

VEC IP series: For all VEC series Standalone DVR/IP cameras;

Axis IP Series: For all Axis IP camera/Encoders;

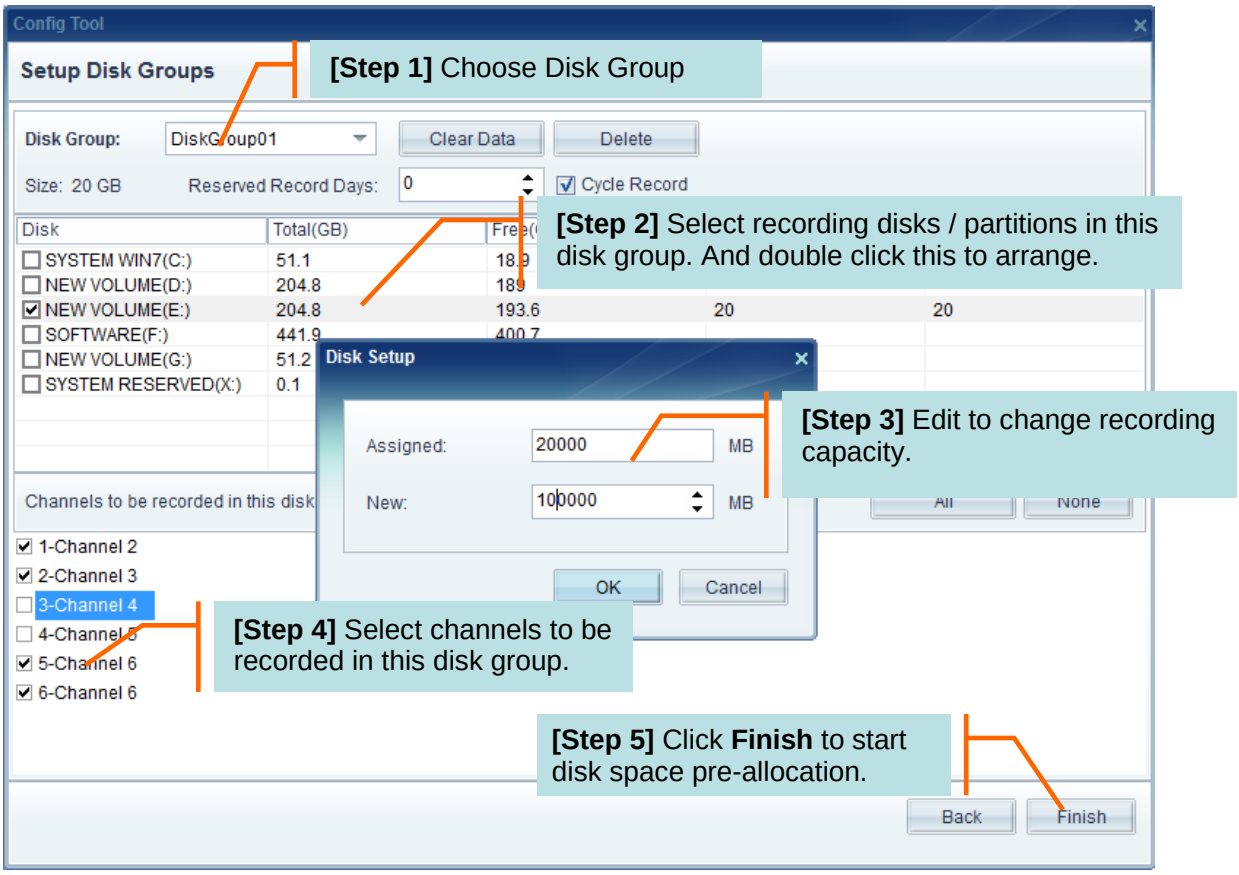
NVR+ Series: For NVR+ servers. (The NVR+ server can manage other NVR+ servers here)

You could export SN by click Export SN for register and import license by click Import Licence

3.2.2 Disk Groups Configuration

This Disk group setup window is to define recording disk groups, and then allocate channels with appropriate recording space.

System supports multiple Disk Groups; each Group consists of multiple disk partitions. And you can assign any channel to be recorded in any disk group.



Here

is the reserved record days.

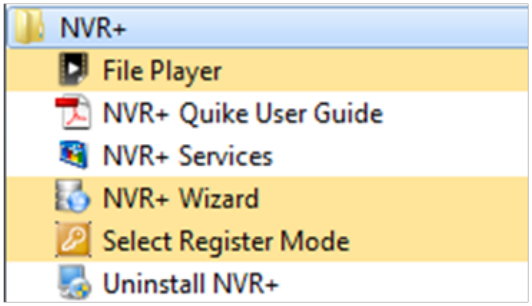
If you set 0 day and check the Circle Record, the new video will continue to record and the oldest record will be deleted.

If you set 0 day and don't check the Circle Record, when the storage is full, the software won't record the new video.

If you set 30 days, but in 30days the storage is full, the software also won't record the new video.

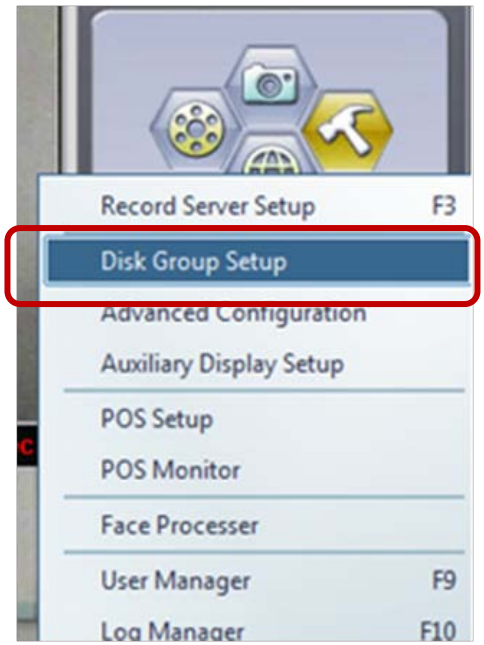
After installation, you will see the desktop shortcut and start menu as below.

Desktop shortcut



Windows Start Menu→Programs→NVR folder

Note: The installation of **NVR+ Client** is the same as the **Sever**.

3.2.3 Other

Note: When the software is running, you can also enter this window by clicking **setup**, going to **Disk Group Setup.** (The picture is in the next page)