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# USER MANUAL

How to use HomeViz on your computer

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## 1. Description

HomeViz is a newly developed client software for our products. Its auto-hiding toolbar, succinct GUI and rich functionality make it highly intelligent and user-friendly monitoring management software which can be used for various tasks.

HomeViz supports device communication and instantaneous screenshots.

HomeViz supports multiple video previews at the same time.

HomeViz supports intelligent tour plans to displace manual operations.

With HomeViz, you can easily search video files not only recorded on your PC (local side) but also recorded on your devices.

Different alarm features meet users' every need.

The extra extensions "MyCloud" and "Maps" will make HomeViz even more convenient in practical application.

## 2. Installation environment

Operating system:	Windows system (subsequent versions will support Mac and Linux)
CPU:	Above 2.4GHz
Memory:	Above 1GB
Graphics:	Discrete graphics

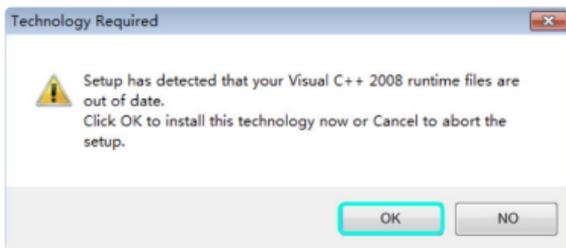
\* In theory, the preview number is  $64 \times 4$ . The actual preview number is limited by the properties of the server, resolution of devices (bit rate), network bandwidth, etc.

# INSTALLATION

## 1.Preparation

When installing HomeViz, it will prompt you to install Visual C++ 2008 first. This is to ensure that the library files required by HomeViz are installed on your PC. If you see the following pop-up notification, please click "OK".

The extra extensions "MyCloud" and "Maps" will make HomeViz even more convenient in practical application.



## 2.Installation

After installing Visual C++ 2008, choose your language and start installing the software.



Double-click the shortcut icon on the desktop:



HomeViz

## FUNCTIONAL SPECIFICATIONS

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### 1. Log-in page

Start:

Input "UserName" and "Password", and click "OK".

\* default account : admin default password : admin

This account is only stored locally and does not involve personal privacy

A screenshot of the HomeViz login window. The window has a grey title bar with the text "HOMEVIZ" in white. Below the title bar, there are two input fields: "UserName:" with the text "admin" and "Password:" with five black dots. Below the password field is a checkbox labeled "Remember Password" which is checked. At the bottom of the window are two buttons: "SIGNIN" and "CANCEL".

HOMEVIZ

UserName: admin

Password: ●●●●●

Remember Password

SIGNIN CANCEL

## 2.Wizard

A configuration wizard will appear when you open the software for the first time. It will help you select a way to add devices:

Add devices automatically:	Automatically add devices (in the same LAN) to HomeViz.
Add devices manually:	When you choose this way, you need to go to "Device Manager" to add devices manually.
Do not show next time:	Tick this and the wizard will not be shown again.
Next:	Click to go to the "Device Manager" page.
Cancel:	Click to exit the wizard.

## DEVICE MANAGER

- If you choose "Add devices automatically" in the wizard, it will open a page with a countdown to automatically add devices.
- If you choose "Add devices manually" in the wizard, you can either choose discovered devices to add directly (as shown in the following picture) or click "Cloud Add" to add devices by Cloud ID (See 3.Add devices manually).



## 1. Search IP in LAN and Add

•Click "IPv4 Search", tick the device box and click "Add". The "Choice Group" box will be displayed. Click "Save".

The image consists of two screenshots from the HOMEVIZ software interface, illustrating the steps to add a device.

**Top Screenshot:** Shows the 'All Devices' table with one device selected. The 'Add' button is highlighted. Labels indicate the following steps:

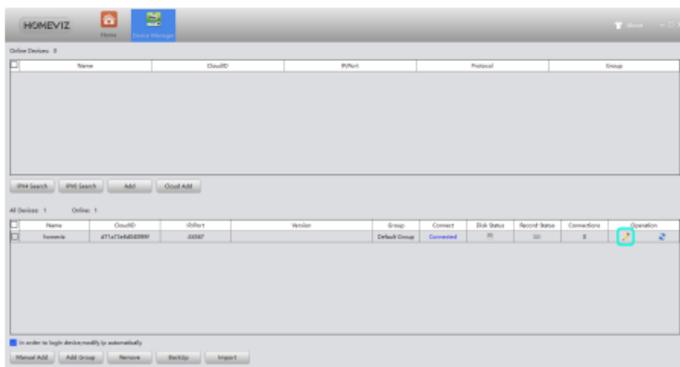
- Step.1: Points to the 'Add' button.
- Step.2: Points to the selected device row.
- Step.3: Points to the 'Add' button.

**Bottom Screenshot:** Shows a 'Choice Group' dialog box with 'Save' highlighted. A label indicates:

- Step.4: Points to the 'Save' button.

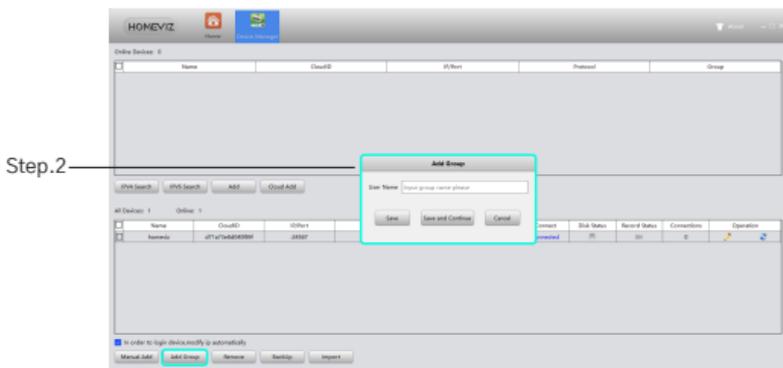
•You may find that the device is in the discovered list but you cannot add it to HomeViz. This means that your device is physically connected to the LAN but its IP is not in the same network segment as your PC. You can either use Function 3, "Modify IP automatically" (this will automatically change the IP of your device to the same network segment as your PC) or manually modify the IP of your device by double-clicking "

- If you wish to add discovered devices by Cloud ID, click this icon and choose login type "By IP/Domain or by CloudID".



## 2.Add Group

- If you have many devices, you should divide them into different groups. Click this button to add a new group. The interface is as follows:

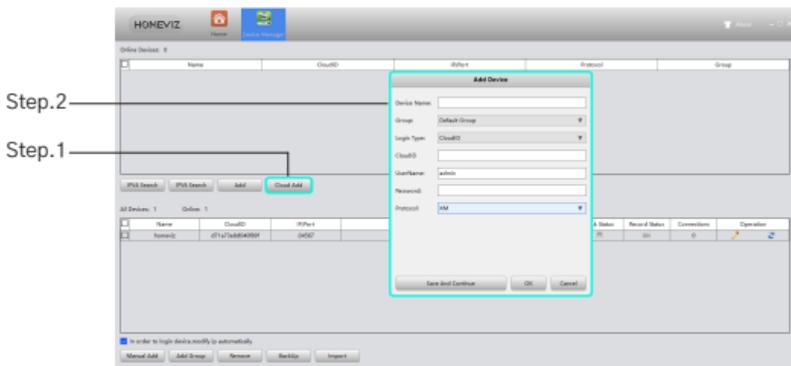


Step.1

Step.2

### 3.Add devices manually

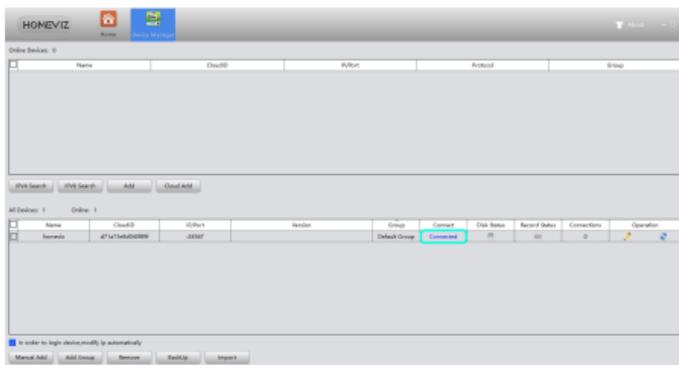
- Click "Cloud Add" to add a device by Cloud ID. Input "Device Name" and "CloudID".



- If you need to add more than one device, click "Save And Continue" to add devices continuously.
- If you only need to add one device, click "OK".
- If you do not wish to add a device, click "Cancel".
- Wait until it displays "Connected".

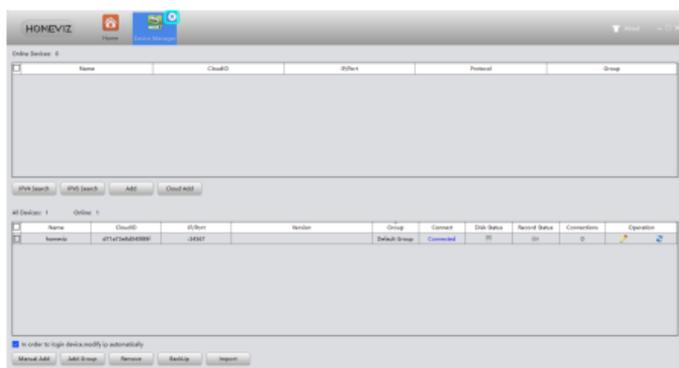
Device name:	Edit device names to identify different devices easily.
Group:	Select a group for this device.
Login Type:	How to add the device (by Cloud ID).

CloudID (SN):	Cloud ID (Serial Number) of the device.
UserName and Password:	Username and password of the device.



#### 4. Close window

Click the cross to close the window (as shown in the above pic).



## MONITORING

(1)	"Devices" list: Here you will find all the devices you added arranged in groups. The names and statuses of the devices will be displayed. A red cross means the device is not online
(2)	Supports 1/4/6/8/9/16/25/36/64 split. Supports "Maximize Window"
(3)	Save View  , Tour 
(4)	View

\* A description will appear when you hover the mouse cursor over the icon.

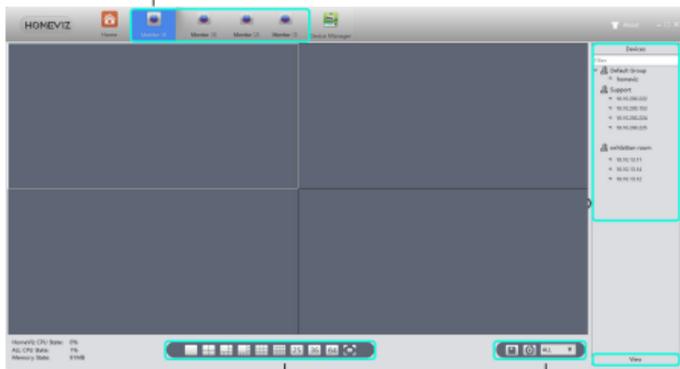
1. Click "Home", then click "Live View" in the first line of the "OPERATION" menu.



2. Find the device you added on the right side. In the "Devices" list, you will find all the devices you added arranged in groups. The names and statuses of the devices will be displayed. A red cross means the device is not online.



Step.1



Step.2

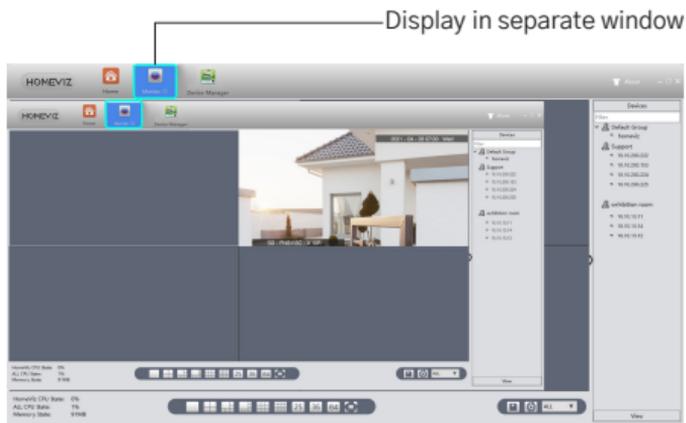
Step.3

Step.5

Step.4

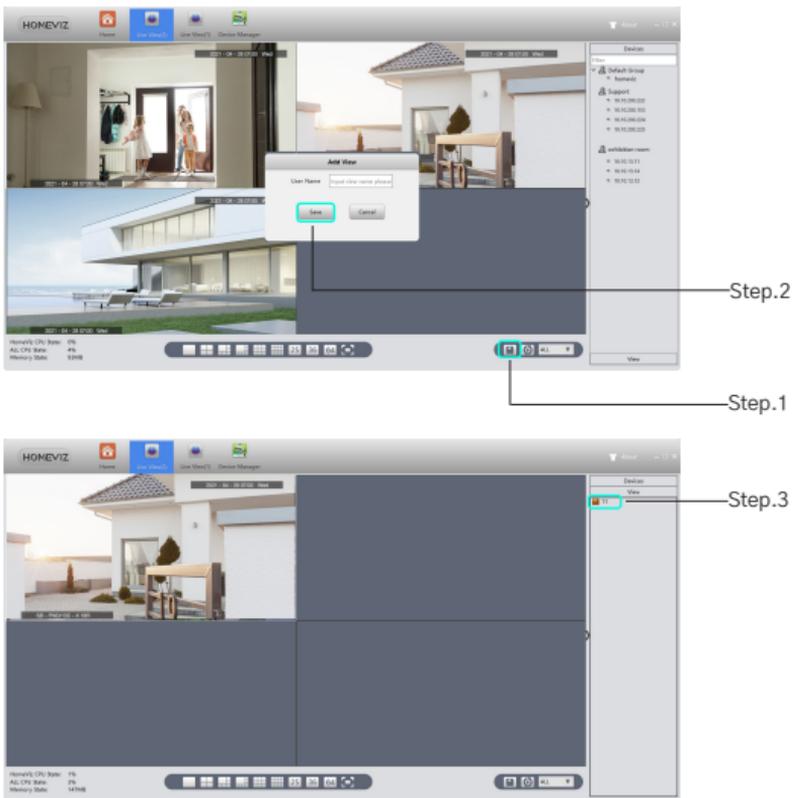
(3) Click and drag a device into one of the separate windows.

• HomeViz supports up to four windows at the same time (0). Each one can be clicked and dragged into a separate window. This is very convenient for multiple screen monitoring. Each window can display 64 channels at most, and  $64 \times 4 = 256$ , so in theory, you can see 256 channels at most. As mentioned in "Overview" above, the actual preview number is limited by the properties of the server, resolution of devices (bit rate), network bandwidth, etc.



## 1.View

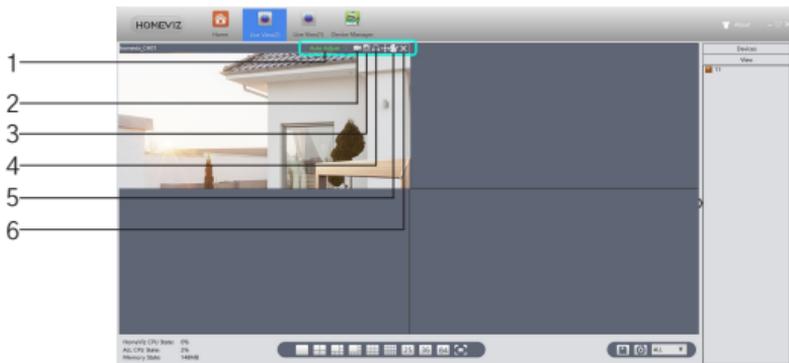
Double-click a device name in the right-hand list or right click to choose "Main Stream" or "Sub Stream" and connect to a real-time video. If you want HomeViz to remember a view, click the "Save View" icon  to save the current view. First, connect the device as shown in the following pic, then save that view as "11".



\* You will not have to connect individually next time. Just double-click on the saved view "11".

## 2.Other features

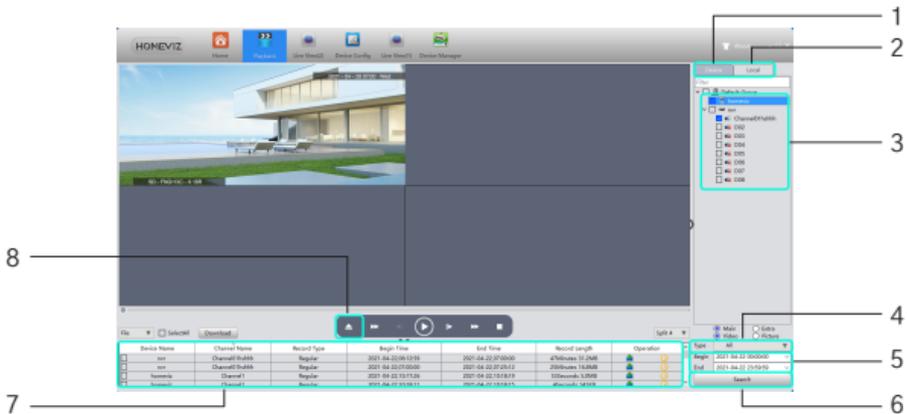
Hover the mouse over the current activity box and the auto-hiding toolbar will appear.



1	Choose the aspect ratio of the video. Default: Auto
2	Temporary manual recording
3	Instantaneous screenshot
4	Click to enable audio
5	Adjust video color in HomeViz but not on the device
6	Disconnect the video

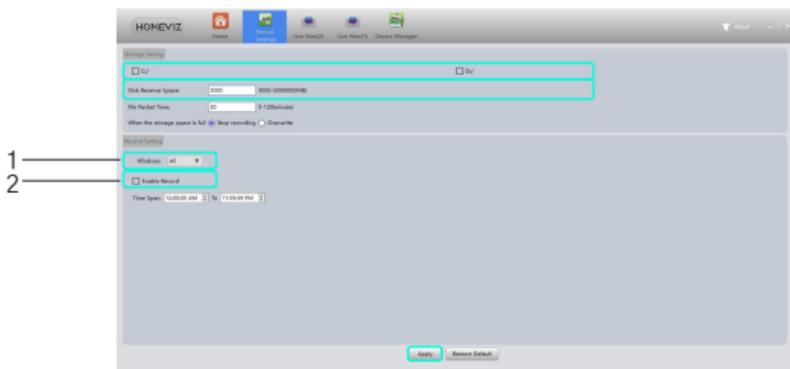
## PLAYBACK

Click "Playback" on the main interface.



1	Choose "Local" (PC) or "Device" depending on where the video is stored
2	The selection result of Step 1 is shown.
3	Choose query object from group, device or specific DVR channel.
4	Choose video type
5	Choose date and time
6	Click "Search"
7	All video files that conform with the search criteria will be displayed in the bottom left. Double-click any file and it will play.
8	play video file in your pc

# RECORD SETTINGS



1. Hard drives are automatically identified. The whole disk is used for storage.

Reserve space can be specially set aside to not be used for storage.

2. Record settings

- Select window
- Check box.
- Click "Apply" to save

HomeViz will start recording once the selected window connects to the video.

\* Restore Default: reset all recording settings of HomeViz.

# LOG

On this page, you can search the operation logs of clients and devices.

Step.1 — Step.2 — Step.3 — Step.4

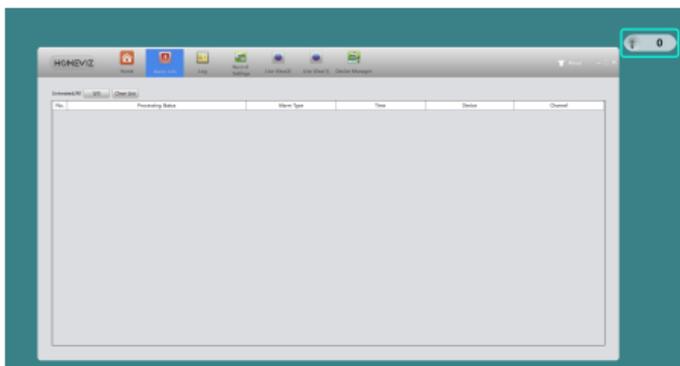
No.	Time	User Name	Type	Device	Channel	Remark
1	2021-04-22 14:08:53	admin	Login			
2	2021-04-22 14:19:53	admin	Logout			
3	2021-04-22 14:20:06	admin	Login			
4	2021-04-22 14:22:24	admin	Stop Talk	Device Not Exist	1	
5	2021-04-22 14:25:19	admin	Login			
6	2021-04-22 14:26:53	admin	Logout			
7	2021-04-22 14:34:50	admin	Login			
8	2021-04-22 14:41:29	admin	Stop Frontend	hardware	1	
9	2021-04-22 14:41:29	admin	Stop Frontend	hardware	1	
10	2021-04-22 14:47:33	admin	Start Frontend	hardware	1	Screen TypeMain Screen
11	2021-04-22 14:47:39	admin	Start Frontend	hardware	1	Video Name: 111
12	2021-04-22 14:49:32	admin	Stop Frontend	hardware	1	
13	2021-04-22 14:49:39	admin	Start Frontend	hardware	1	Screen TypeMain Screen

## ALARM INFO

This page shows all the alarm info detected by HomeViz. Red highlighted cells mean unprocessed. Double-click to change the processing status.

No.	Processing Status	Alarm Type	Time	Device	Channel
1	Unprocessed	Malicious Detect (Hacker)	2021-04-20 07:00:30	12-10-200-60	1
2	Processed	Malicious Detect (Step)	2021-04-20 07:00:30	12-10-200-60	1

- When HomeViz is running, you will see an alarm message in a floating window at the top right corner of the screen. You can click to read the alarm message or right click to hide it.
- If you want HomeViz to show an alarm prompt, you must enable the alarm features on both the device and HomeViz.



## DEVICE COFIG

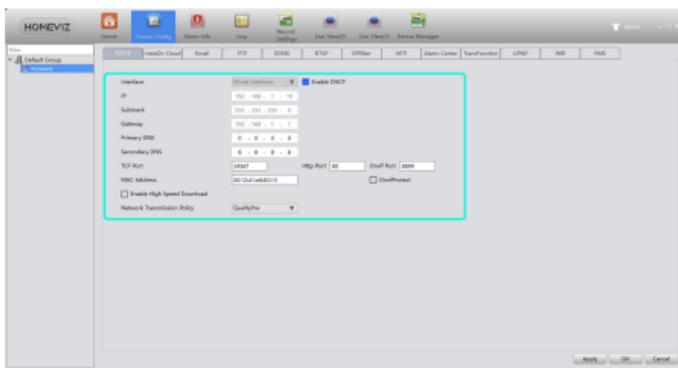
### 1. Network

- All icons are gray before you select a device. The corresponding function options will be shown according to the selected device type.
- Full function options for IPC (as shown in above pic).
- For NVR, there is no "Encode Config" or "Camera Parameters", as shown in the following pic:

Click on the corresponding function to set and operate it.



## 2.Set IP of device



Interface	Display the type of network card currently in use.
IP	Set IP of the device
Submask	Configure the subnet mask of the device
Gateway	Configure the gateway of the device
Primary/ Secondary DNS	Configure the DNS of the device
TCP Port	Configure the TCP of the device
Http Port	Configure the HTTP port of the device
MAC Address	Display the MAC address of the device
Enable High Speed Download	Check the box to increase download speed
Network Transmission Policy	Choose "Adaptive"/"Image Quality Priority"/ "Smooth Priority"/"Network Transmission Priority"

### 3.Email

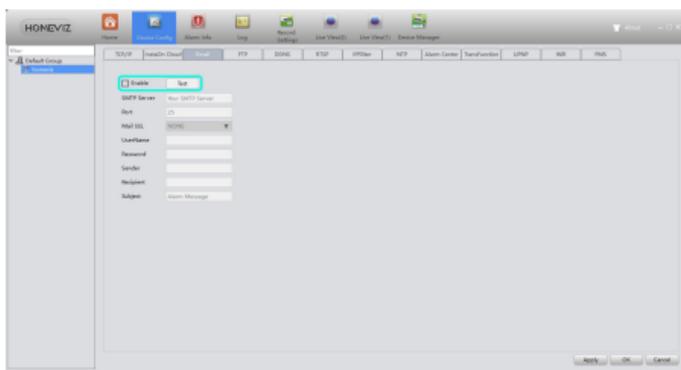
- Why: With the necessary parameter settings, the device will send alarm information and snapshot photos to an appointed mailbox.

- How:

- (1) Before you use email, make sure your device is connected to the Internet (this is because the device needs to connect to the mailbox server).

- (2) Email configuration as shown in the following pic:

- (3) Click "Test". If it shows success, please check your mailbox to see if you received the test mail.



### 4.FTP

- Why: FTP is available only when alarms occur. It can upload related video files and snapshot photos to the FTP server.

- Download by going to <https://www.serv-u.com/>

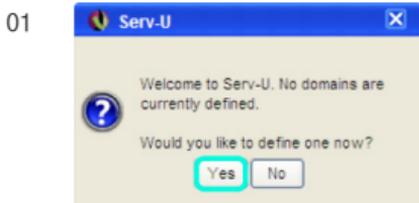
- How:

If you do not have a ready-made FTP server, you will need to build one first. The following explains how to build an FTP server using the Serv-U software.

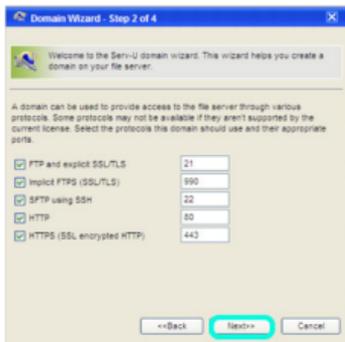
- (1) Install the Serv-U software



(2) After installing the software, the Domain Wizard will appear and help you to define the domains and users as shown below:



03



04



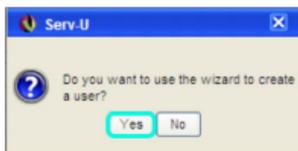
05



06



07



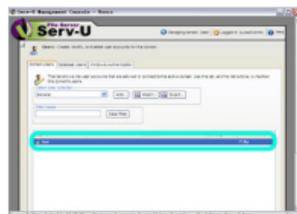
08



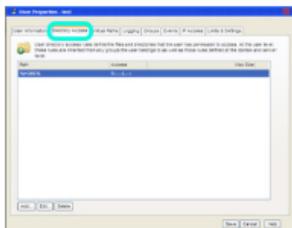
09



10



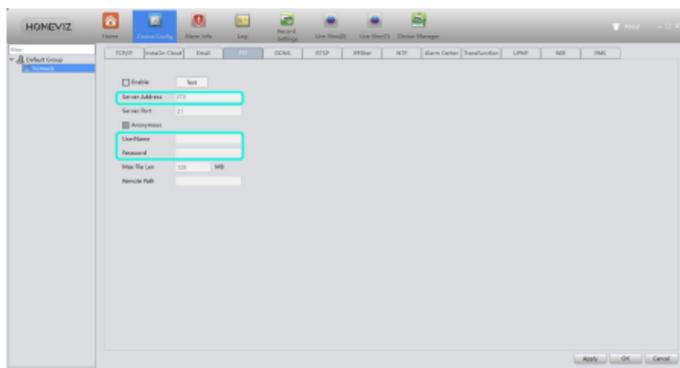
11

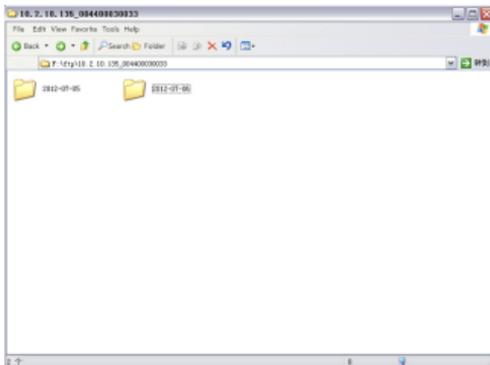


12



13





- a. 01 Click "Yes" and enter the next interface as shown in 02.
- b. 02 Input "Name" and "Description", and click "Next".
- c. 03 Click "Next". See 04. Select your PC's IP in the drop-down box as the IP of the built domain.
- d. 04 Click "Next".
- e. 05 Click "Finish". The domain is now defined. Next, use the Domain Wizard to define the users.
- f. 06 Click "Yes" and a prompt will appear as shown in 07.
- g. 07 Click "Yes" and enter Step 1 of the User Wizard
- h. 08 Input "Login ID", "Full Name" and "Email Address", and click "Next"
- i. 09 Click "Next".
- j. 10 Set the home directory and click "Next".
- k. 11 Click "Finish". The users are now defined. Next, the interface will open, as shown in 12.
- l. 12 Click "test" under "Login ID" to set the directory, as shown in 13.
- m. 13 Find "Directory Access". Click the path and set it as shown in 14.
- n. 14 Click "Save". After finishing the above steps, we now have to set the FTP server.
  - \*FTP settings of device
- o. 15 "Server Address" is the IP of the PC on which you built the FTP server. "UserName" and "Password" are the same as those for the FTP service.

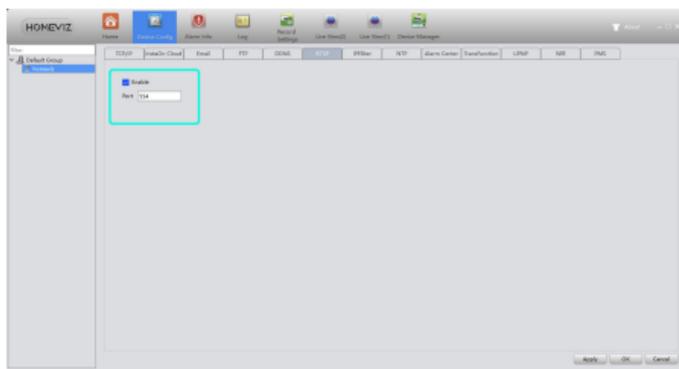
\* One more thing: make sure that the network between your device and the FTP server is connected.

- When the alarm is triggered, the file will be uploaded to FTP.

## 5.RTSP

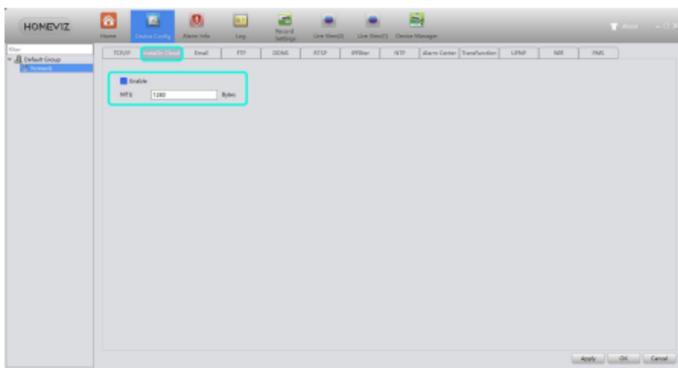
(1) Why: This service is required when you use a non-IE kernel browser (such as Safari, Google Chrome, Foxfire, Opera, etc.) to access a device.

(2) How: This service is default enabled as follows:



## 6.Cloud

The cloud service is also default enabled. As long as the network of your device is connected to the Internet, you can easily use Cloud ID to remotely access your device without complicated settings such as port forwarding.

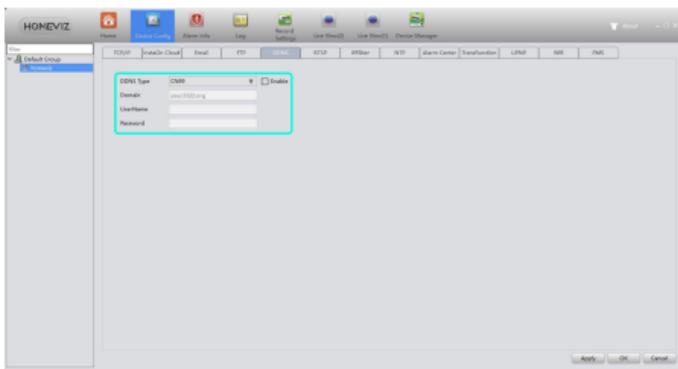


## 7.DDNS

DDNS: Dynamic Domain Name Server.

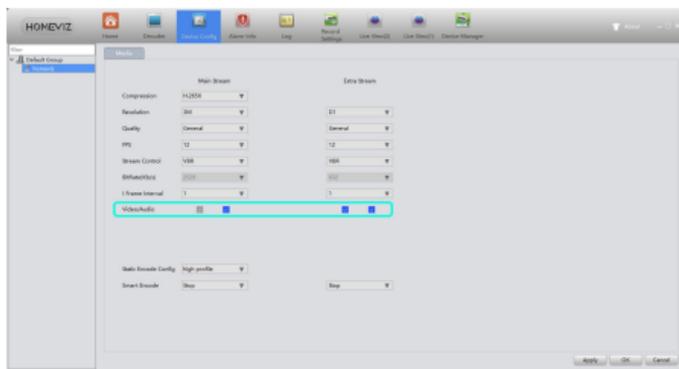
(1) First, you need an available domain name. Our device default supports five DDNS types: CN99/DynDns/Oray/NO-IP/MYQ-SEE.

(2) On this page, you can bind the domain name to your device. Forward the HTTP and TCP ports of the device in your router, then use the domain name and HTTP port to access the device online, or use the domain name and TCP port to access the device via PC/mobile client.



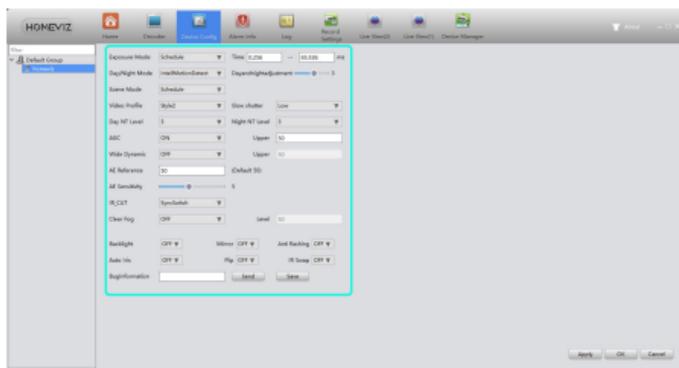
## ENCODE

Set the video/audio encode parameters of the DVR/IPC. All our devices support dual streams: "Main Stream" and "Sub Stream". You can select "Resolution", "FPS", "Quality" and so on according to your needs.



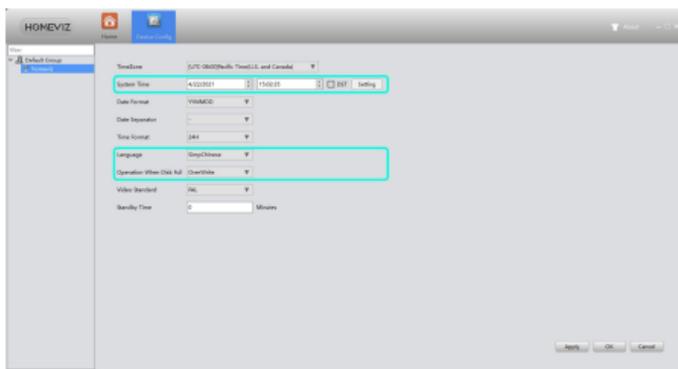
## CAMERA PARAMETERS

On this page, you can modify IPC parameters, including "Exposure Mode", "Day/Night Mode", "Day NT Level", "Wide Dynamic", "AE Reference", "AGC", "Backlight", "Slow Shutter", "IR\_CUT", "IR Swap", "Flip", "Mirror", Anti Flashing", "Auto Iris", etc.



## SYSTEM

On this page, you can modify "Time", "Language" and "Operation When Disk Full" of the devices.



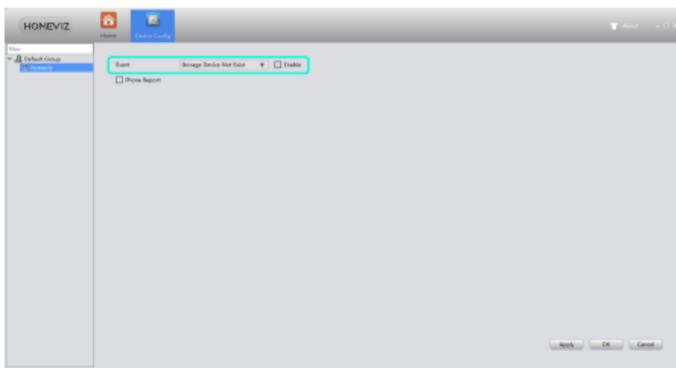
## VERSION INFO

This page displays basic information such as hardware information, firmware version, built date, serial number and so on.



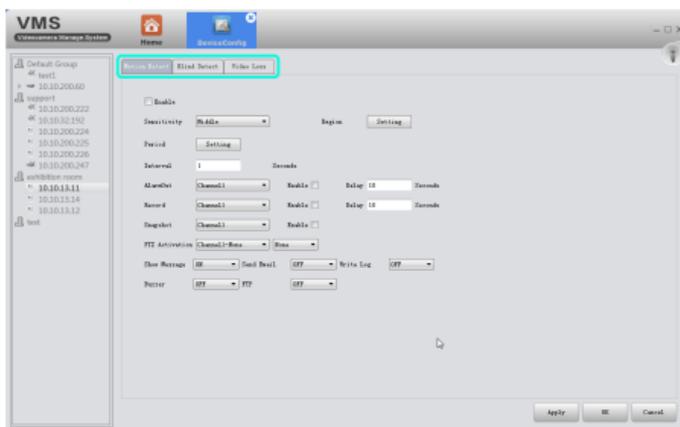
## ABNORMALITY

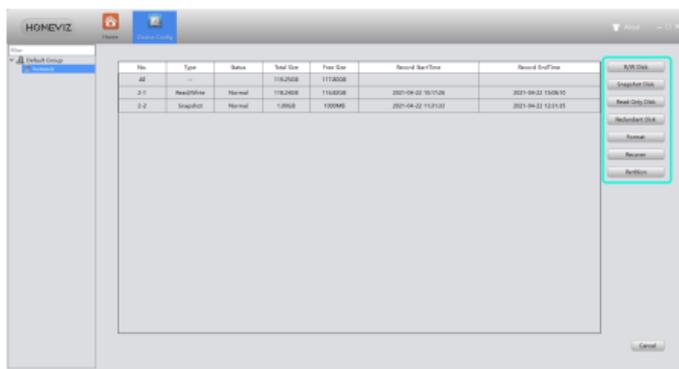
Choose the type of "Event" from the drop-down box, and tick the alarm type you prefer. The alarm info will be recorded in the device log if you check "WriteLog". If you want alarm messages sent to your mailbox, make sure the email is successfully set



## SMART ALERT

Choose the type of "Event" from the drop-down box, and tick the alarm type you his page includes "Motion Detect", "Blind Detect", "Video Loss", etc.

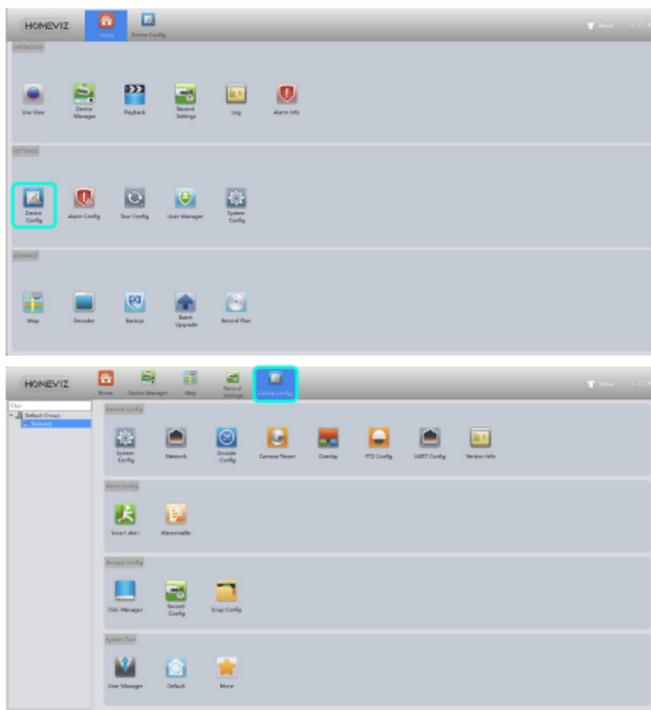


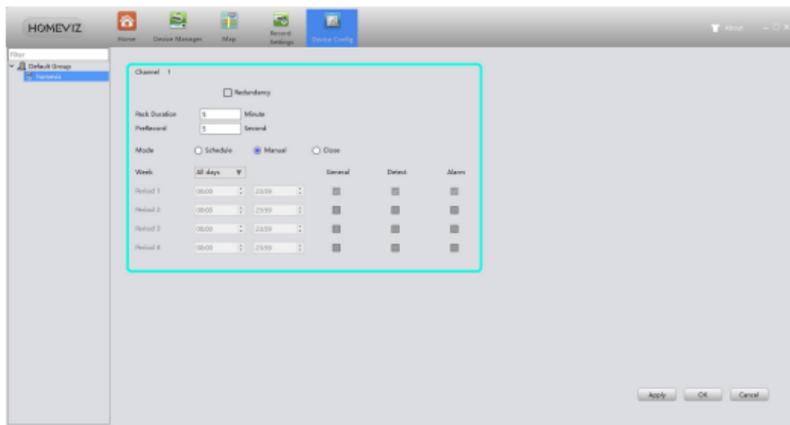


InaR/W Diskterface	Select a hard disk or partition from the directory column, then click "R/W Disk" to set the hard disk or partition for recording;
Read Only Disk	Select a hard disk or partition from the directory column, then click "Read Only Disk" to set the hard disk or partition as a read-only disk. On a read-only disk, you can only play back video or screenshot files, and cannot record new files;
Redundant Disk	Select a hard disk or partition from the directory column, then click "Redundant Disk" to set the hard disk or partition as a redundant disk. During recording, the recorded file will be written to the read-write disk as well as the redundant disk, thereby achieving the double backup of video files;

Format	Select a hard disk or partition from the directory column, then click "Format" to format the selected disk;
Recover	Select a disk with an error displayed in the status bar, then click "Recover" to repair the disk;
Partition	Partition the selected disk.
Http Port	Configure the HTTP port of the device

## RECORD CONFIG



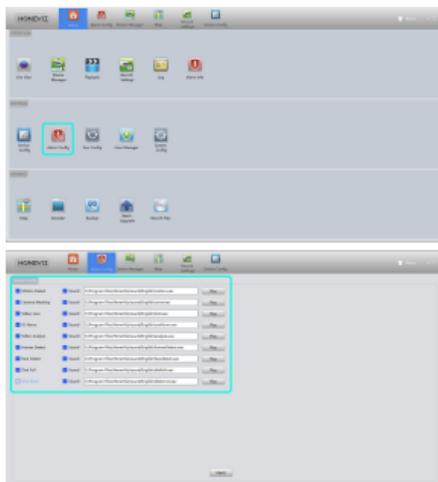


Redundancy	Check box to realize the dual backup function of video files, meaning that video in a certain channel can be recorded on two hard disks at the same time. The device needs to be installed with two hard disks simultaneously, one of which is a read-write disk and the other is a redundant disk;
Pack Duration	Set the time length of each video file: 1 to 120 minutes is optional and the default is 60 minutes;
PreRecord	Record 1-30 seconds before the alarm is triggered after alarm linkage recording (the length of time may vary depending on code stream size);

Video Mode	Set the video mode: "Schedule", "Manual" or "Close"; Schedule: Record according to the set recording type ("General", "Detect" and "Alarm") and recording time period; Manual: Regardless of the recording status of the current channel, after selecting "Manual", all corresponding channels will commence normal recording; Close: Regardless of the recording status of the current channel, after selecting "Close", the corresponding channel will stop recording.
Period	Set the time period for ordinary recording. The recording will only start within the set time range;
Video Type	Set the video type: "General", "Detect" and "Alarm".

## ALARM CONFIG

You can set different prompt sounds when the alarm is triggered.



(1) Add projects

Add projects as shown above.

(2) On the "Monitor" page, click the tour icon to start.

