



iVMS-4200 PCNVR

Quick Start Guide (V1.03)

UD.6L0201B1064A01

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact the dealer.

This manual applies to **iVMS-4200 PCNVR**.

This manual may contain several technically inaccurate points or printing errors, and the content is subject to change without notice. The updates will be added into the new version of this manual. We will readily improve or update the products or procedures described in the manual.

1. Overview

This guide provides only brief instructions on the installation, uninstallation, and some basic operations such as the live view, record and playback of the PCNVR. For detailed information of how to use the software, please refer to the iVMS-4200 PCNVR User Manual.

2. System Requirements

Operating System: Microsoft Windows XP / Windows 2003 32-bit, Windows 7 / Windows 2008 32-bit or 64-bit

CPU: Intel Pentium IV @ 3.00 GHz or above

RAM: 1G or above

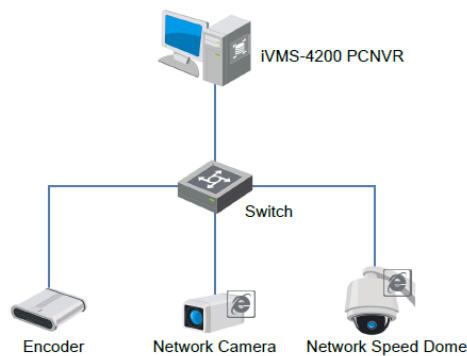
Display: 1024*768 resolution or above

3. Deployment Schemes

iVMS-4200 PCNVR can be used in the local area network and the wide area network. In this document, only some of the connection deployment schemes are displayed.

Note: In the real situation, the devices connected, such as the network cameras, network dome cameras and the encoders are scalable.

3.1 A Simplified Scheme



Application Scenario:

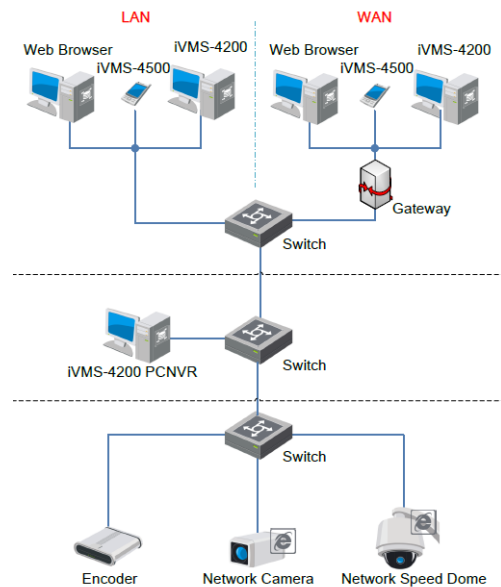
1. Only the recording and live view are needed.
2. Not too many front-end devices are connected.

Hardware Required:

1. Network cameras, and/or encoders.
2. PC installed the iVMS-4200 PCNVR.
3. Hub or router.

Getting access to the network cameras and the encoders with the iVMS-4200 PCNVR, and store the record files on the PC. This scheme is convenient and pragmatic for the small scale surveillance scenario, such as in a shop or at home.

3.2 A Complete Scheme



In LAN Conditions

Application Scenario:

1. The video stream from the front-end encoding devices needs to be got by multiple clients.
2. There is no hard disk on the encoding device side or there are disks on the encoding device side, but the record files need to be backed up for extra insurance.

Hardware Required:

1. Network cameras, and/or encoders.
2. PCs installed the iVMS-4200 Client, Stream Media Server, and iVMS-4200 PCNVR respectively.
3. Mobile phones installed the iVMS-4500 Client.
4. Hub or router.

The iVMS-4200 PCNVR can connect to and manage the network cameras and/or encoders, and the iVMS-4200 client can be used to manage the PCNVR which provides relatively complete function of the management. The stream media server can be adopted to forward the video stream got from the front-end devices so as to lower the load of the front-end devices in case of too many network connections. The web browsing and mobile phone monitoring functions are supported.

In WAN Conditions

Application Scenario:

1. When the iVMS-4200 PCNVR needs to be accessed in the wide area network.
2. The video stream from the front-end encoding devices needs to be got by multiple clients.
3. There is no hard disk on the encoding device side or there are disks on the encoding device side, but the record files need to be backed up for extra insurance.

Hardware Required:

1. Network cameras, and/or encoders.
2. PCs installed the iVMS-4200 Client, Stream Media Server, and iVMS-4200 PCNVR respectively.
3. Mobile phones installed the iVMS-4500 Client.
4. Router.

The iVMS-4200 PCNVR connected to the wide area network can get access to the devices in WAN, and the iVMS-4200 PCNVR itself can also be accessed by the remote iVMS-4200 client. The remote client can manage the devices through the PCNVR. The stream media server can be adopted to forward the video stream got from the front-end devices to lower the load of the front-end devices in case of too many network connections. The web browsing and mobile phone monitoring functions are supported.

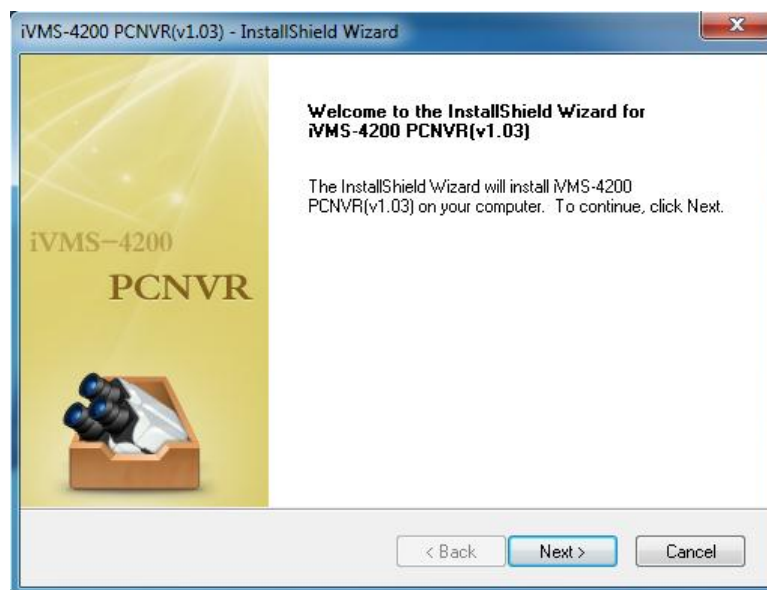
4. Installation and Uninstallation

4.1 Installation

Insert the installation media into the appropriate computer.

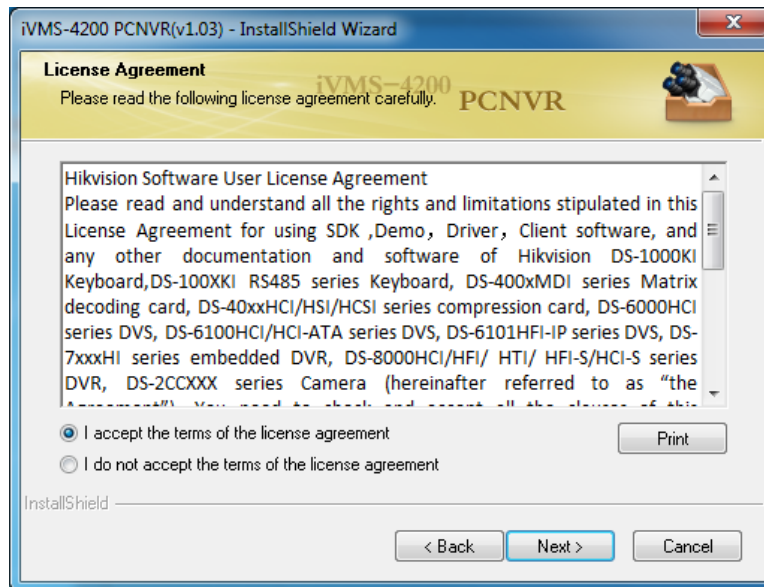
Perform the following steps to install the iVMS-4200 PCNVR.

1. Double-click the program file  **iVMS-4200 PCNVR(v1.3)** to enter the welcome panel of the InstallShield Wizard.



Click **Next** to start the InstallShield Wizard.

2. Read the License Agreement. Click **Print** if you want to print the license agreement.



If you accept the terms of the license agreement, click **I accept the terms of license agreement**.

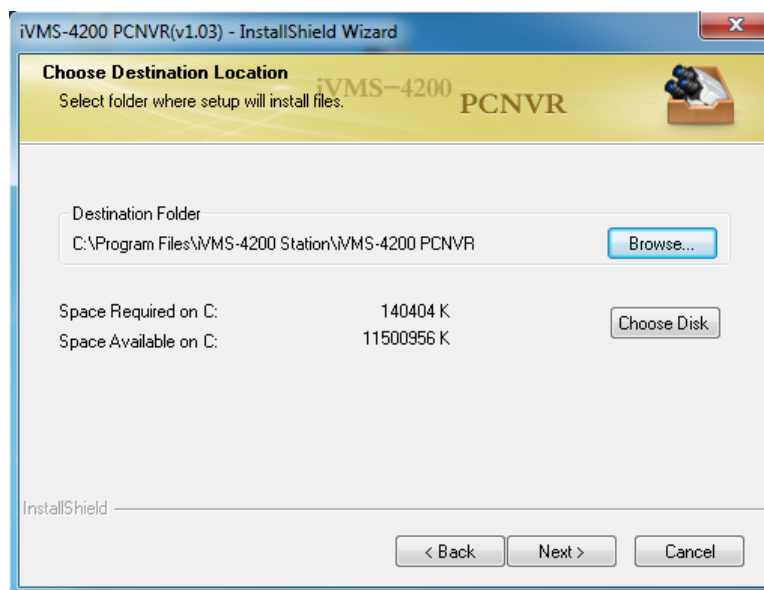
Click **Next** to continue.

Otherwise click **I do not accept the terms of the license agreement**, and then click **Cancel** to cancel the installation

3. On the next panel, you are prompted for the name of the installation directory where PCNVR is to be installed. You can either accept the default directory that is displayed, or click **Browse** and select a different directory.

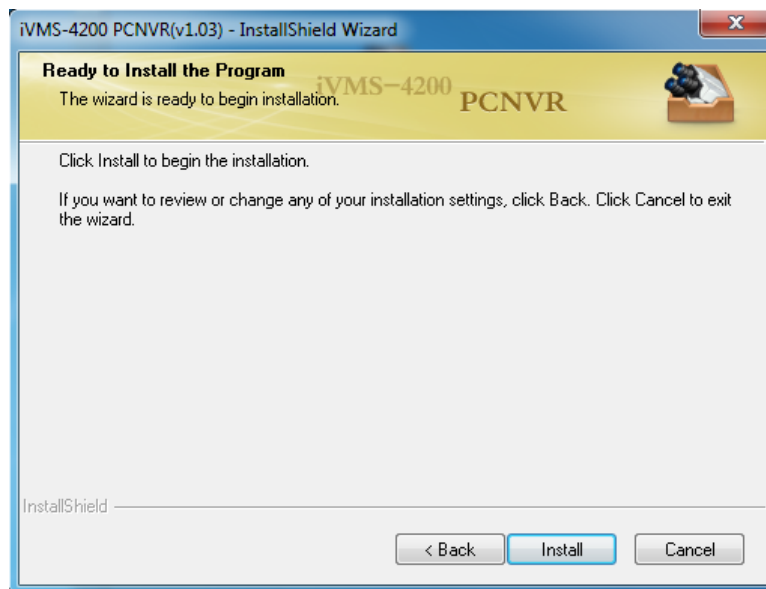
You can also click **Choose Disk** to choose the disk drive to install the software, and check the space information of the disk on the panel.

Note: The default directory is *C:\Program Files\iVMS-4200 Station\iVMS-4200 PCNVR*.

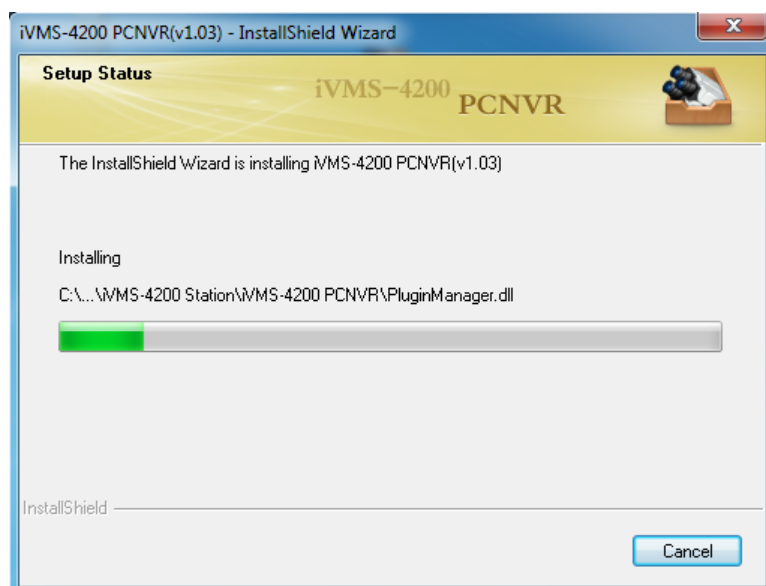


Click **Next** to continue.

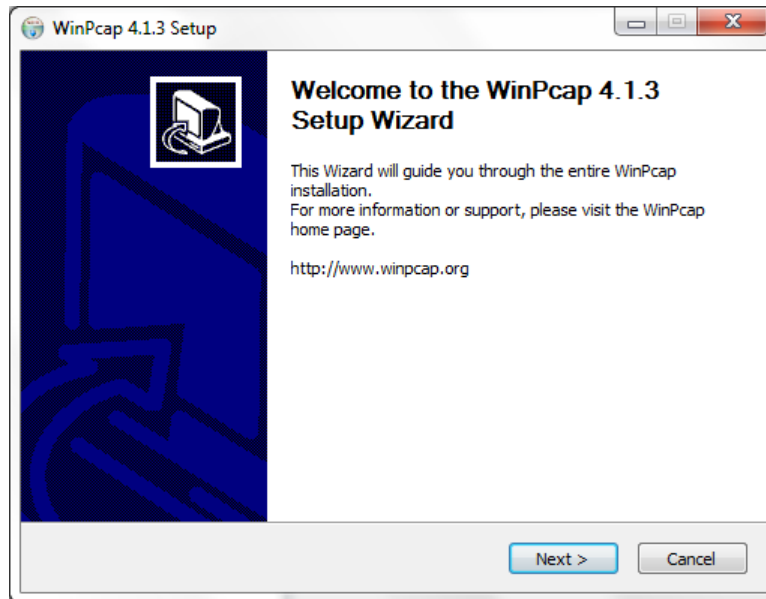
4. Read the pre-install information and click **Install** to begin the installation.



5. A panel indicating progress of the installation is displayed. A percentage completion bar is updated as the installation progresses.



6. Install the WinCap plug-in according to the prompts to detect the online devices when running the client software.



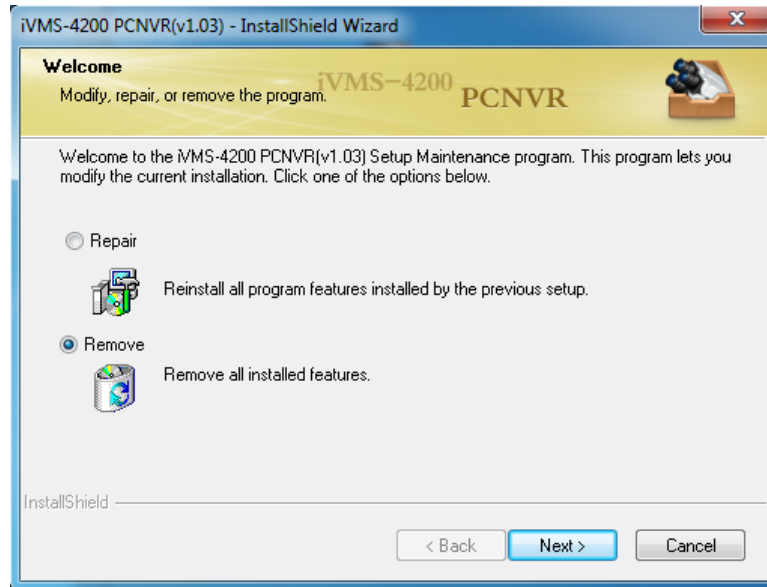
7. Read the post-install information and click **Finish**.

You can check the checkbox **create a desktop shortcut** to create a shortcut icon on the desktop for the PCNVR, and you can also check the checkbox **Run the application** to run the PCNVR as the installation finished.



4.2 Uninstallation

Double-click the program file  **iVMS-4200 PCNVR(v1.3)** again, select **Remove**, click **Next** and click **Yes** to uninstall the iVMS-4200 PCNVR according to the prompts.

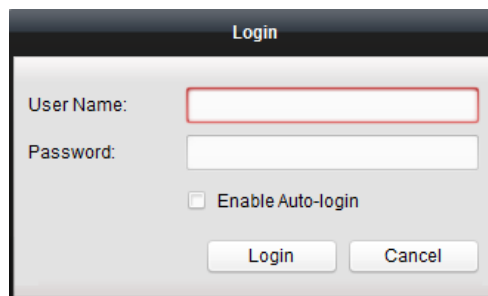


5. Quick Start

5.1 User Login



Double-click the shortcut icon  on the desktop to start the iVMS-4200 PCNVR software. The login dialog box pops up as shown below:



Input the user name and password, and then click **Login** to run the software. The user name is *admin* and password is *12345* by default.

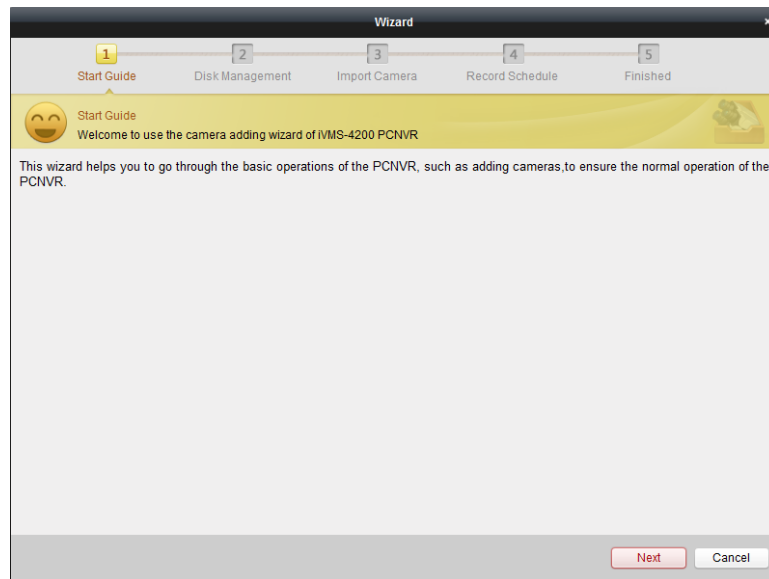
5.2 Wizard for Importing Device

You enter the camera adding wizard interface of iVMS-4200 PCNVR after login. This wizard helps you to go through the basic operations of the PCNVR, such as adding cameras, pre-allocating the disk, configuring record schedule, etc.

Perform the following steps to go through the wizard and study the operations provided.

Step 1: Start Guide

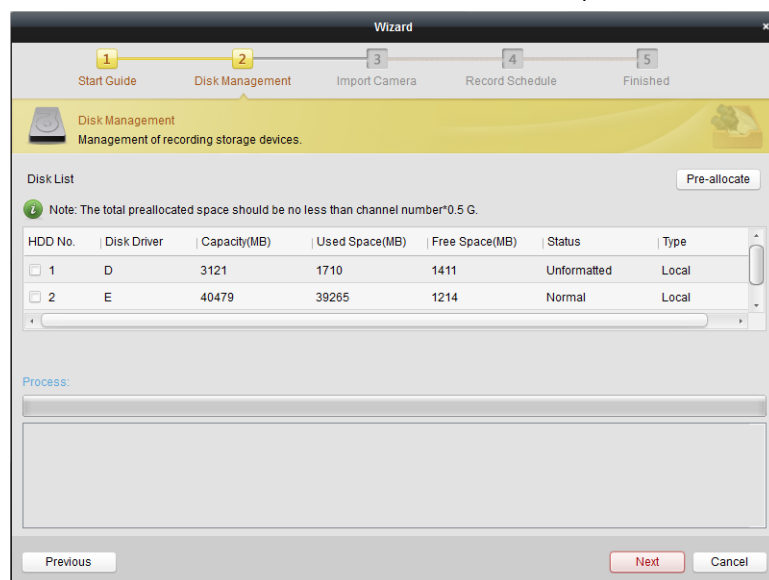
When there is no device added to iVMS-4200 PCNVR, the wizard for importing device shows up after you login the software. You can also open the wizard from the **Help** menu.



Click **Next** to continue. You can also click **Cancel** to exit the wizard.

Step 2: Disk Management

PCNVR does not have dedicated storage HDDs and the record files are stored in the local disk of the PC running the software. The HDDs of the PC need to be pre-allocated for the record file storage. Select one or more HDDs from the disk list, and Click **Pre-allocate** to pre-allocate the selected disk.



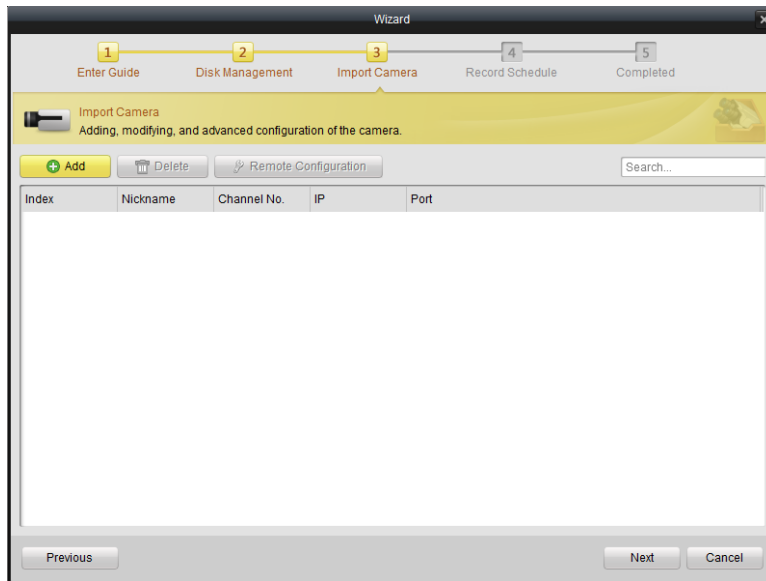
Notes:

- The total space of pre-allocated HDDs should be no less than *channel number*0.5G*.
- The original data of pre-allocated HDDs will not be deleted.

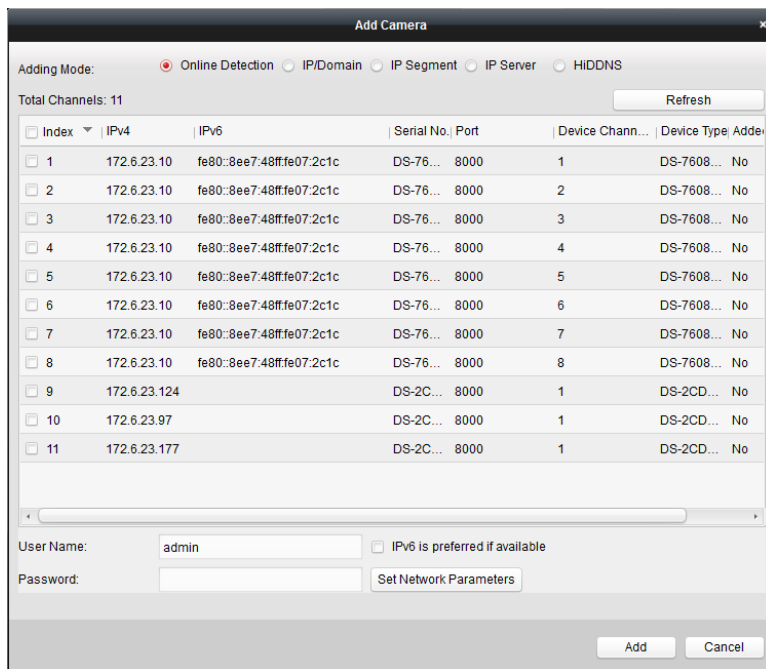
Click **Next** to continue. You can also click **Previous** to return to the previous step.

Step 3: Import Camera

Click **Add** to enter the Add Camera interface.



iVMS-4200 PCNVR provides 5 different adding modes to add cameras: Online Detection, IP/Domain, IP Segment, IP Server and HiDDNS.



The default camera adding mode is Online Detection. Select the cameras online to add, input the user name and password, and then click **Add** to add the selected cameras to the software.

Notes:

- The user name and password are *admin* and *12345* respectively by default.
- Up to 64 cameras can be added.

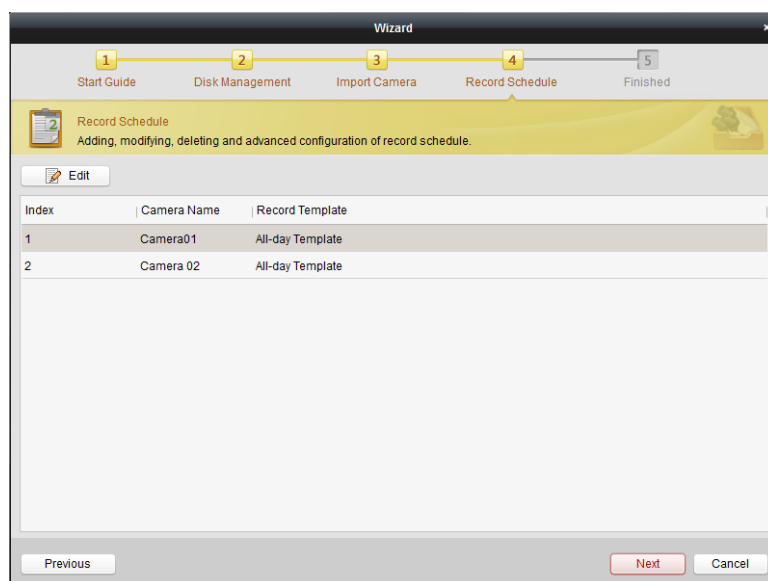
Click **Next** to continue.

Step 4: Record Schedule

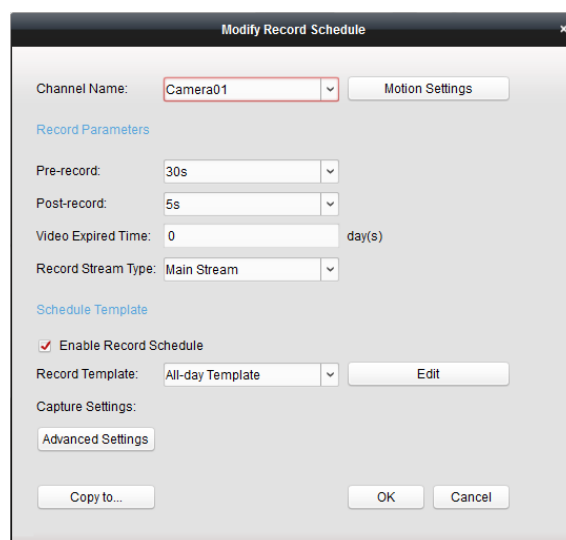
The record schedule can be set for one or more cameras for continuous, alarm triggered or motion

detection triggered recording.

Select the camera added and click **Edit**.



The Modify Record Schedule interface is shown as follows:

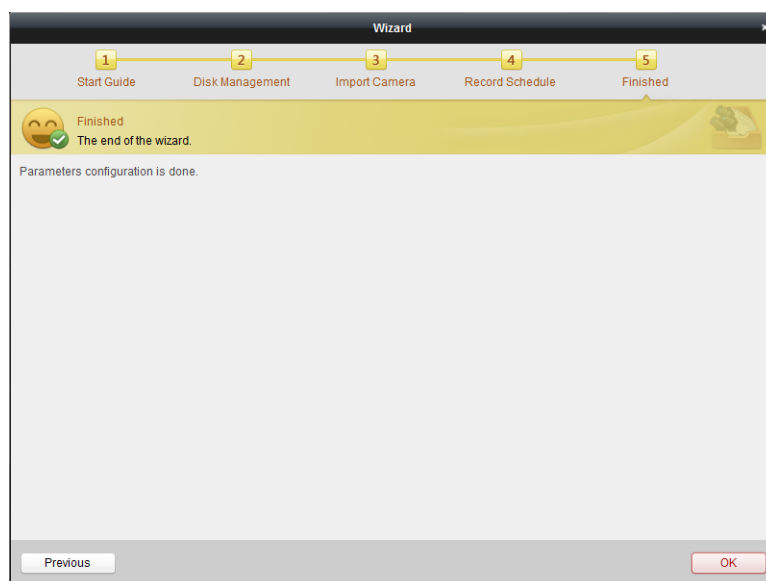


You can configure the record parameters and schedule template of the selected camera. And the motion settings and capture settings are also allowed.

Click **OK** to save the new settings, and click **Next** to continue.

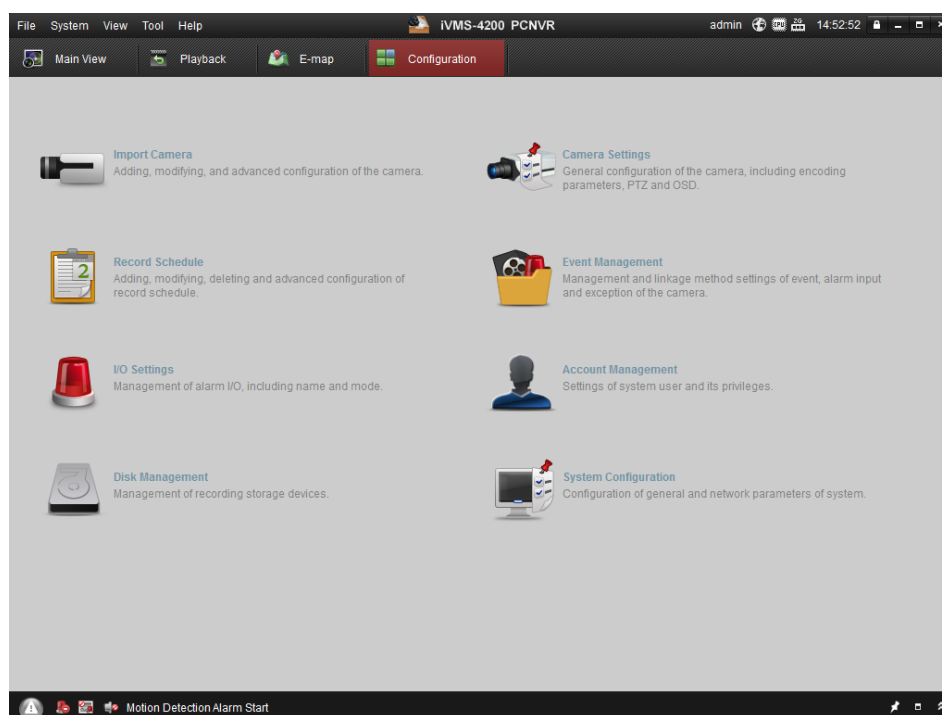
Step 5: Wizard Completed

The wizard is completed. Click **OK** to close the wizard interface.



5.3 Control Panel

iVMS-4200 PCNVR provides user friendly GUI for the convenient and effective operations of the software. The main control panel of the software is shown below:



Menu Bar:

File	Open Captured picture	Search and view the captured pictures stored on local PC.
	Open Video File	View the backup video files stored on local PC.
	Open Log File	View the backup log files stored on local PC.

	Exit	Exit the iVMS-4200 PCNVR software.
	AutoRun	Run the PCNVR or the operating system automatically.
System	Lock	Lock screen operations. Log in the client again to unlock.
	Switch User	Switch the login user.
	Import Configuration File	Import software configuration file from your computer.
	Export Configuration File	Export software configuration file to your computer.
	Restore Default Settings	Restore the default settings of the system.
View	1024*768	Display the window at size of 1024*768 pixels.
	1280*1024	Display the window at size of 1280*1024 pixels.
	1440*900	Display the window at size of 1440*900 pixels.
	1680*1050	Display the window at size of 1680*1050 pixels.
	Full Screen	Display the window in full screen.
	Main View	Open the Main View page.
	Playback	Open the Playback page.
	E-map	Open the E-map page.
	Configuration	Open the Configuration page.
	Auxiliary Screen Preview	Open Auxiliary Screen Preview window.
Tool	Import Camera	Open the Import Camera page.
	Camera Settings	Open the Camera Settings page.
	Record Schedule	Open the Record Schedule page.
	Event Management	Open the Event Management page.
	I/O Settings	Open the I/O Settings page.
	Account Management	Open the Account Management page.
	Disk Management	Open the Disk Management page.
	System Configuration	Open the System Configuration page.
	Log Search	Open the Log Search page.
	Broadcast	Select camera to start broadcasting.
	I/O Control	Turn on/off the alarm output.
	Soft Keyboard	Enable the soft keyboard function.
Help	Open Wizard	Open the guide for the software configuration.
	User Manual (F1)	Click to open the User Manual; you can also open the User Manual by pressing F1 on your keyboard.
	About	View the basic information of the software.
	Language	Select the language for the software and the software will reboot automatically to activate the settings.

The iVMS-4200 PCNVR is composed of the following function modules:



Main View

The Main View module provides live view of network cameras and video encoders, and supports some basic operations, such as picture capturing, recording, PTZ control, etc.



Playback

The Playback module provides the search, playback, export of record files.

**E-map**

The E-map module provides the displaying and management of E-maps, alarm inputs, hot regions and hot spots.

**Configuration**

The Configuration module is composed of 8 function sub-modules: Import Camera, Camera Settings, Record Schedule, etc.

The Configuration module is composed of the following 8 function sub-modules:

**Import Camera**

Add, modify and delete the network camera and video encoder; provide remote configuration for the added device.

**Camera Settings**

Configure the picture settings, encoding parameters, on screen display(OSD) settings, PTZ control parameters, etc.

**Record Schedule**

Configure record parameters and set up schedule template to be used in recording.

**Event Management**

Set up recordings and alarms by defining triggers and linkage actions.

**I/O Settings**

Turn on/off the alarm output.

**Account Management**

Add, modify and delete the user accounts and assign different permissions for the users.

**Disk Management**

Pre-allocate the HDDs for record file storage.

**System Configuration**

Configure the general parameters, file saving paths, alarm sounds and other system settings.

The function modules or sub-modules are easily accessed by clicking on the navigation buttons on the main interface of PCNVR or by selecting the function module from the **View** or **Tool** menu.

You can view the information, including current user, network usage, CPU usage, memory usage and time in the upper-right corner of the main page.

5.4 Live View

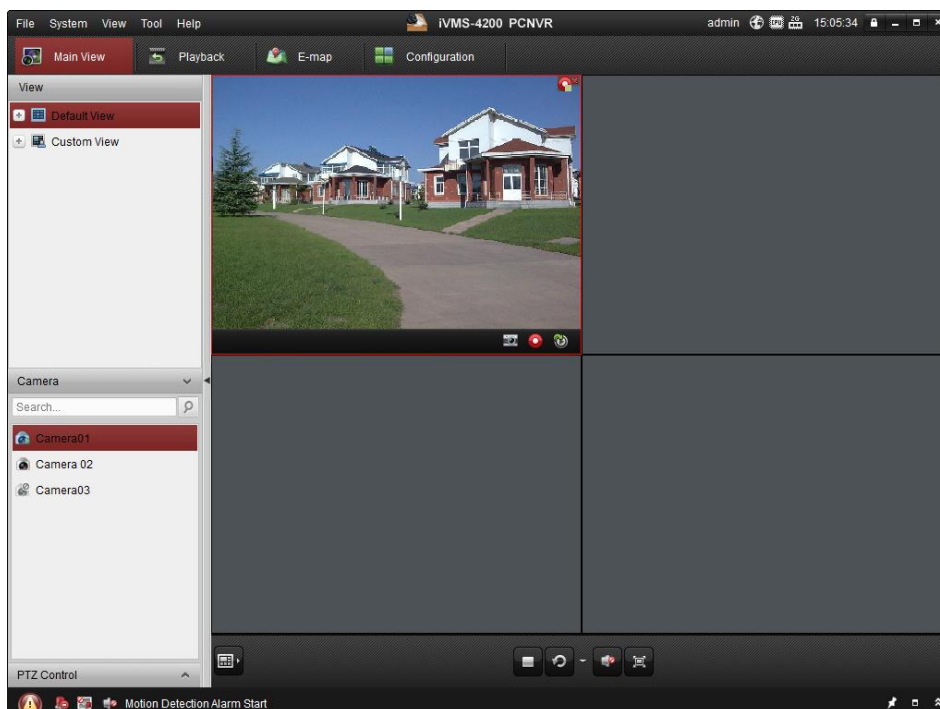
Purpose:

For the surveillance task, you can view the live video of the added network cameras and video encoders on the Main View page. And some basic operations are supported, including picture capturing, manual recording, PTZ control, etc.

Click the **Main View** tab,

or click **View->Main View** to open the Main View page.

Double-click the camera name on the list, or click-and-drag the camera from the list to the display window, and then you can view the live video on the screen.



There are 4 kinds of default views: 1-Screen, 4-Screen, 9-Screen, and 16-Screen. You are also allowed to customize a new view to meet your needs.

Live View Toolbar:



On the Main View page, the following toolbar buttons are available:

	Set View	Set the screen layout mode and save the new settings for the current view; save the current view as another new view.
	Stop Live View	Stop the live view of all cameras.
	Resume/Pause Auto-switch	Click to resume/pause the view auto-switch in live view.
	Show/Hide the Menu	Show/Hide the config menu of auto-switch. Click again to hide it.
	Volume	Turn on/off the audio and adjust the audio volume.
	Full Screen	Display the live view in full screen. Press Esc to exit.

Toolbar in each display window of live view:



	Capture	Capture picture in the live view process.
	Start/Stop Recording	Start/Stop the manual recording.
	Switch to Instant Playback	Switch to instant playback mode. The record files playback can be started from 30s, 1min, 3min, 5min, 8min or 10min before.

Click **View->Auxiliary Screen Preview**, and you can get the live view of the cameras on the auxiliary screen. Up to 3 auxiliary screens can be configured

5.5 Recording

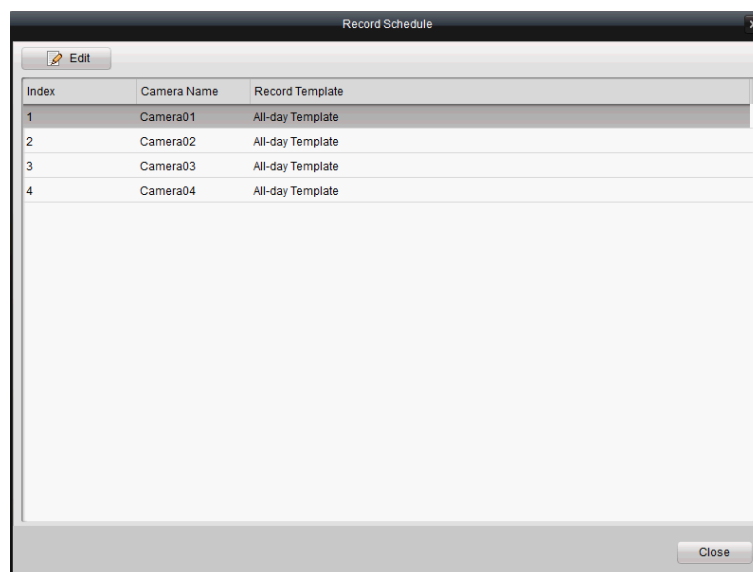
2 kinds of recording modes are provided: Schedule Recording and Manual Recording.

Schedule Recording

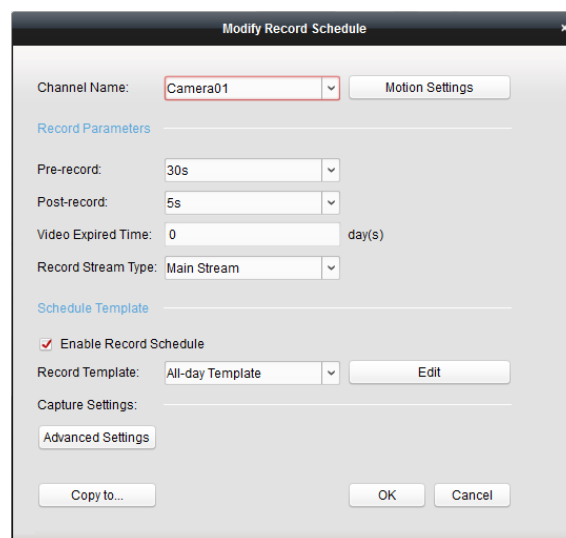
In the schedule recording mode, the camera automatically starts/stops recording according to the configured schedule template.

Perform the following steps to configure the schedule recording.

1. Click  on the control panel to enter the Record Schedule interface.



2. Select a camera and click **Edit**.



3. Modify the recording parameters, including the pre-record time, post-record time, etc. For details, see the following table:

Parameters	Descriptions
Pre-record	Normally used for the event triggered record, when you want to record before the event happens
Post-record	After the event finished, the video can also be recorded for a certain time.
Video Expired Time	The time for keeping the record files in the storage device, once exceeded, the files will be deleted. The files will be saved permanently if the value is set as 0.
Record Stream Type	Record the video files in main stream or sub-stream.

- Check the checkbox **Enable Record Schedule**.
- Select the record schedule template from the drop-down list.

All-day Template: for all-day continuous recording.

Weekday Template: for working-hours continuous recording from 8:00 AM to 8:00 PM.

Alarm or Motion Template: for alarm input triggered or motion detection triggered recording.

Template 01-08: fixed templates for specific schedules. You can edit the templates if needed.

Custom: can be customized as desired.

Perform the following steps if you need to edit or customize the record schedule template:

If **Template 01-08** is selected, start from step 1;

If **Custom** is selected, start from step 2.

- Click **Edit**. You can edit the template name.
- Set the time schedule for the selected template.

 **Schedule Recording** refers to the normal schedule record. The time bar is green.

 **Motion Detection** refers to recordings triggered by motion detection. The time bar is orange.

 **Alarm** refers to the record triggered by alarm input. The time bar is red.

 **Alarm | Motion** refers to recordings triggered by alarm input or motion. The time bar is purple.

When the cursor turns to , you can edit the schedule time bar.

When the cursor turns to , you can move the selected time bar you just edited.

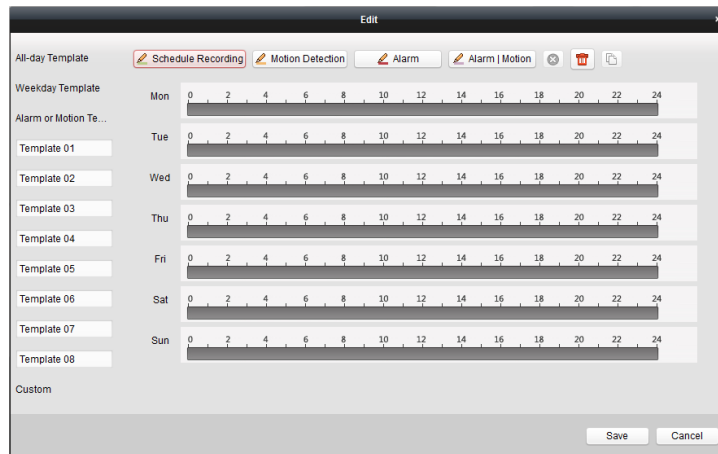
When the cursor turns to , you can lengthen or shorten the selected time bar.
- Optionally, you can select the schedule time bar,

and then click the icon  to delete the selected time bar,

or click the icon  to delete all the time bars,

or click the icon  to copy the time bar settings to the other dates.
- Click **Save** to save the settings.

Note: Up to 8 time periods can be set for each day in the record schedule.



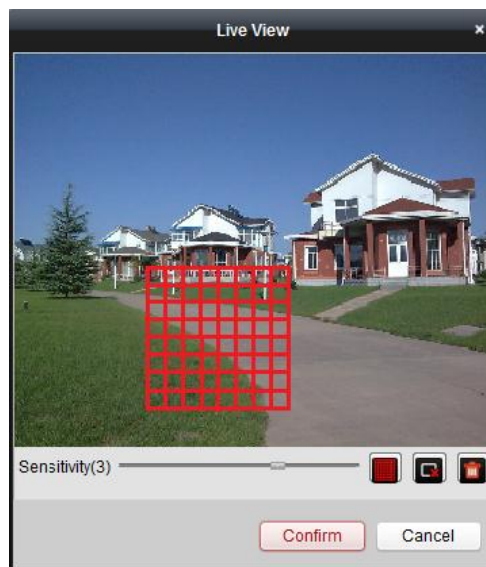
6. Set the motion detection area and sensitivity if the motion triggered recording is configured.

Perform the following steps to set the motion detection area and sensitivity:

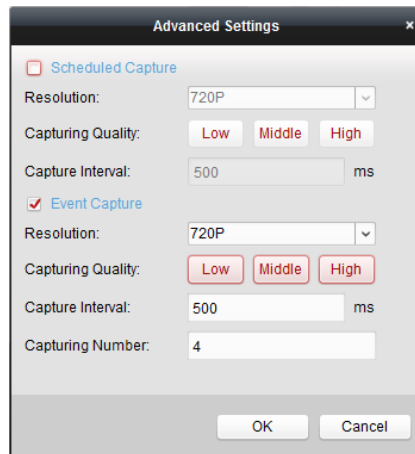
- 1) Click **Motion Settings** to enter the motion detection area settings interface.
- 2) Click-and-drag the mouse to draw a defined area for motion detection.

You can click the icon  to set the whole video area as the detection area, click the icon  to delete the selected area, or click the icon  to clear all the detection areas.

- 3) Drag the slider on the sensitivity bar to adjust the motion detection sensitivity. The larger the value is, the more sensitive the detection is.
- 4) Click **Confirm** to save the settings.



7. Click **Advanced Settings** to set the parameters of scheduled capture and event capture.



8. Optionally, click **Copy to...** to copy the record schedule settings to other cameras.
9. Click **OK** to save the settings.

Manual Recording

Manual Recording function allows you to record the live video on the Main View page manually. The record files are stored on the pre-allocated HDDs of PCNVR.

Steps:

1. Move the mouse pointer to the display window in live view to show the toolbar.
2. Click  in the toolbar of the display window to start recording. The icon  turns to .
3. Click the icon  to stop the manual recording.

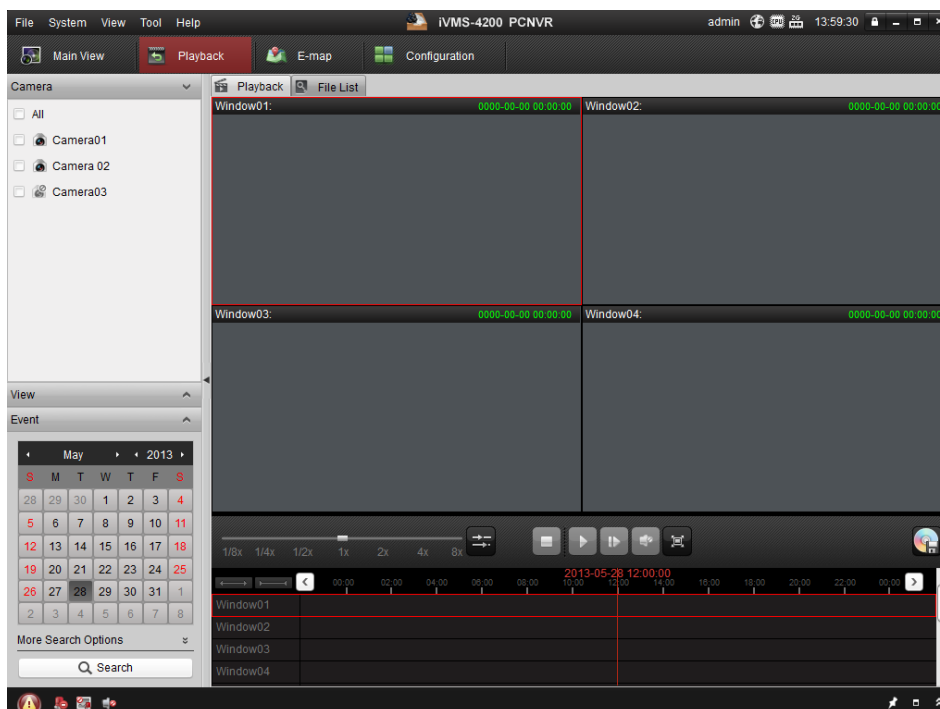
5.6 Playback

Purpose:

The record files stored on the pre-allocated HDDs of PCNVR can be searched and played back. Thus, you can get a review of the monitoring scenario.

Click the **Playback** tab,

or click **View->Playback** to open the Playback page.



Normal Playback

Purpose:

The record files can be searched by the camera or the custom view for Normal Playback.

Searching Record Files for Normal Playback

Steps:

1. Open the Playback page.
2. Click  to expand the Camera List or View List on the left-side.
3. Select the cameras or views to be searched from the list.
4. Select the day for search on the calendar.

You can also click  to show more search options, click the icon  to specify the start time and end time, and select the file type for the search.

5. Click **Search**. The record files of selected cameras or views will be displayed on File List tab page.

Note: If there are record files for that camera in that day, on the calendar, the icon for that day is displayed as . Otherwise it is displayed as .

Playback		File List		Export Video File		Stop Export		Filter	
Index	Camera	Start Time	End Time	Recording Type	Play	Size	Status		
☐	1	Camera01	2013-05-16 09:39:53	2013-05-16 10:00:33	Time		88.6 MB	Waiting	
☐	7	Camera 03	2013-05-16 09:39:53	2013-05-16 09:56:18	Time		41.1 MB	Waiting	
☐	2	Camera01	2013-05-16 10:00:33	2013-05-16 10:58:24	Time		249.1 MB	Waiting	
☐	3	Camera01	2013-05-16 10:58:24	2013-05-16 11:17:22	Time		81.4 MB	Waiting	
☐	4	Camera01	2013-05-16 11:18:15	2013-05-16 11:47:24	Time		43.0 MB	Waiting	
☐	8	Camera 03	2013-05-16 11:19:10	2013-05-16 11:47:15	Time		46.4 MB	Waiting	
☐	5	Camera01	2013-05-16 11:50:46	2013-05-16 12:18:46	Time		41.7 MB	Waiting	
☐	9	Camera 03	2013-05-16 11:50:46	2013-05-16 12:18:46	Time		51.6 MB	Waiting	
☐	6	Camera01	2013-05-16 13:38:31	2013-05-16 14:20:43	Time		61.1 MB	Waiting	
☐	10	Camera 03	2013-05-16 13:38:33	2013-05-16 14:20:43	Time		69.5 MB	Waiting	

Normal Playback

After searching the record files for the normal playback, you can play back the record files in the following two ways:

- **Playback by File List**

click the icon , or double-click the record file in the file list to display the video on the Playback tab page.

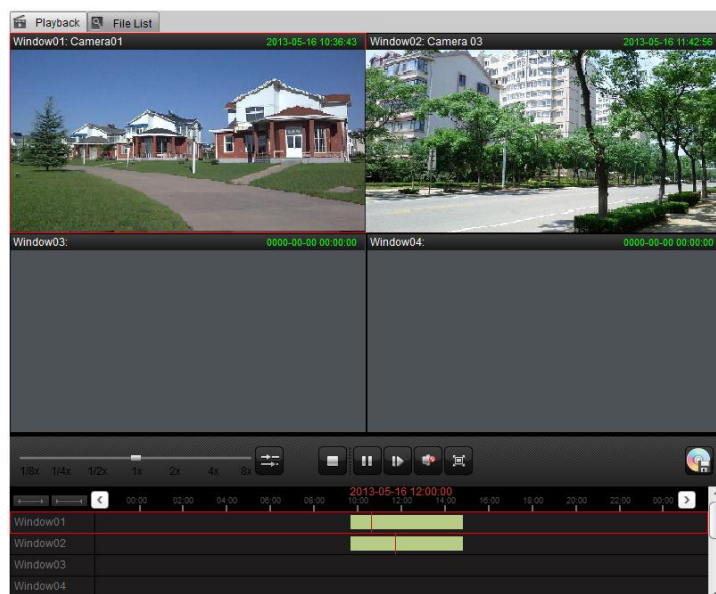
- **Playback by Timeline**

The timeline indicates the time duration for the record file, and the record files of different types are color coded. Click the **Playback** tab to go to the Playback tab page, and click on the timeline to play back the video from the specific time.

You can click  or  to scale up or scale down the timeline bar.

You can click  or  to go to the previous or the next time period.

You can use the mouse wheel to zoom in or zoom out on the timeline.



Normal Playback Toolbar:

On the Playback page, the following toolbar buttons are available:

	Async/Sync Playback	Click to play back the record files synchronously/asynchronously.
	Stop All	Stop the playback of all cameras.
	Pause/Play	Pause/Resume the playback of record files.
	Single Frame	Play back the record files frame by frame.
	Volume	Click to turn on/off the audio and adjust the audio volume.
	Full Screen	Display the video playback in full screen. Press Esc to exit..
	Backup	Download the video clips to the local PC for backup.

Note: You can move the slider on the Playback Speed Bar to set the playback speed.

Event Playback**Purpose:**

The recordings triggered by motion detection and alarm input can be searched for Event Playback.

Searching Record Files for Event Playback**Steps:**

1. Open the Playback page.
2. Click to expand the Event List on the left-side.
3. Click **Motion Detection** or **Alarm Input**, and select the cameras or alarm input sensors.
4. Select the day for search on the calendar.

You can also click to show more search options, click the icon to specify the start time and end time for the search.

5. Click **Search**. The recordings from the selected cameras and sensors triggered by motion detection or alarm input will be displayed on the File List tab page.

Event Searching Results						
Export Linkage Video File Stop Export						
☐	Index	Time	Event Type	Event Source	Triggered Camera	Play Status
☐	1	2013-04-16 13:48:34	Motion Detection	Camera03	Camera03	Waiting
☐	2	2013-04-16 13:51:01	Motion Detection	Camera03	Camera03	Waiting
☐	3	2013-04-16 13:51:21	Motion Detection	Camera03	Camera03	Waiting
☐	4	2013-04-16 13:51:37	Motion Detection	Camera03	Camera03	Waiting
☐	5	2013-04-16 13:52:07	Motion Detection	Camera03	Camera03	Waiting
☐	6	2013-04-16 13:53:17	Motion Detection	Camera03	Camera03	Waiting
☐	7	2013-04-16 13:53:47	Motion Detection	Camera03	Camera03	Waiting
☐	8	2013-04-16 13:57:07	Motion Detection	Camera03	Camera03	Waiting
☐	9	2013-04-16 13:58:30	Motion Detection	Camera03	Camera03	Waiting
☐	10	2013-04-16 13:58:55	Motion Detection	Camera03	Camera03	Waiting
☐	11	2013-04-16 13:59:15	Motion Detection	Camera03	Camera03	Waiting
☐	12	2013-04-16 14:00:04	Motion Detection	Camera03	Camera03	Waiting
☐	13	2013-04-16 14:00:36	Motion Detection	Camera03	Camera03	Waiting
☐	14	2013-04-16 14:00:56	Motion Detection	Camera03	Camera03	Waiting
☐	15	2013-04-16 14:01:21	Motion Detection	Camera03	Camera03	Waiting
☐	16	2013-04-16 14:03:53	Motion Detection	Camera03	Camera03	Waiting
☐	17	2013-04-16 14:09:35	Motion Detection	Camera03	Camera03	Waiting
☐	18	2013-04-16 14:10:58	Motion Detection	Camera03	Camera03	Waiting
☐	19	2013-04-16 14:12:02	Motion Detection	Camera03	Camera03	Waiting
☐	20	2013-04-16 14:12:43	Motion Detection	Camera03	Camera03	Waiting

Event Playback

After searching the record files for the event playback, you can play back the record files in the following two ways:

- **Playback by File List**

click the icon , or double-click the record file in the file list to display the event linkage video on the Playback tab page.

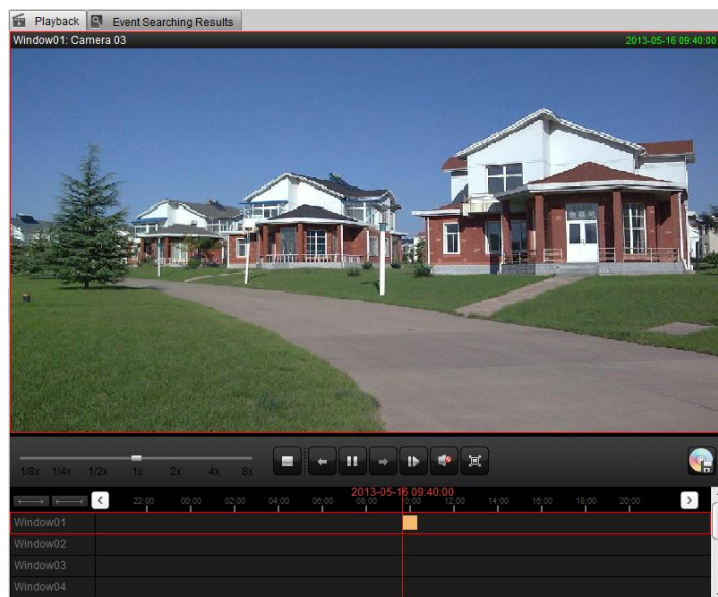
- **Playback by Timeline**

The timeline indicates the time duration for the record file. Click the **Playback** tab to go to the Playback tab page, and click on the timeline to play back the video from the specific time.

You can click  or  to scale up or scale down the timeline bar.

You can click  or  to go to the previous or the next time period.

You can use the mouse wheel to zoom in or zoom out on the timeline.



Event Playback Toolbar:



On the Playback page, the following toolbar buttons are available:

	Stop Playback	Stop the event playback.
	Previous/Next Event	Go to the playback of the previous/next event.
	Pause/Play	Pause/Resume the playback of record files.
	Single Frame	Play back the record files frame by frame.
	Volume	Click to turn on/off the audio and adjust the audio volume.
	Full Screen	Display the playback of the video in full screen. Press Esc to exit.
	Backup	Download the video clips to the local PC for backup.

You can move the slider on the Playback Speed Bar to set the playback speed.

Synchronous Playback

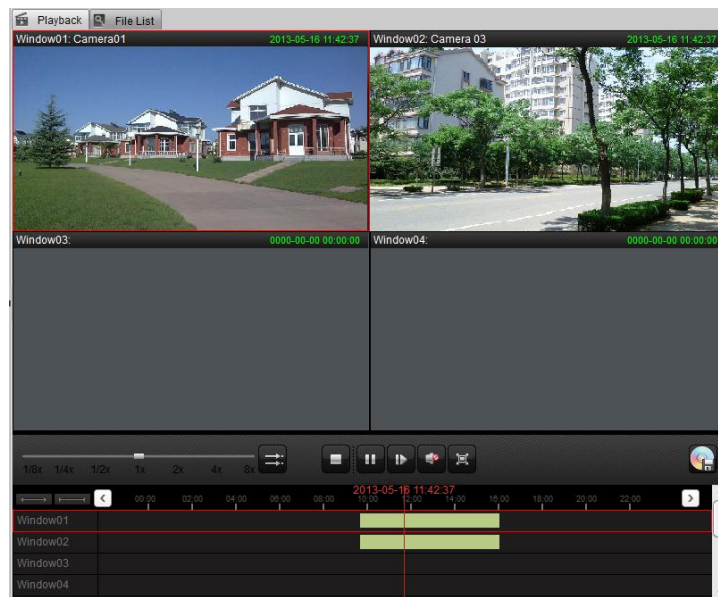
Purpose:

In synchronous playback, the record files can be played back in synchronization.

Steps:

1. Start normal playback of the searched cameras.
2. Click  in the toolbar, and then the record files in normal playback will be played in sync. The icon  turns to .
3. To disable the synchronous playback, click the icon .

Note: Record files from up to 16 cameras can be played back simultaneously.



Local Playback

Purpose:

The video files recorded on PCNVR can be exported to the local PC for backup. You can search and view the video clips in local playback.

Steps:

1. Click **File->Open Video File** to open the player for video clips playback.
2. Click the icon , and select the file from the saving path of the video files for local playback.



The following buttons are available on the local playback page:

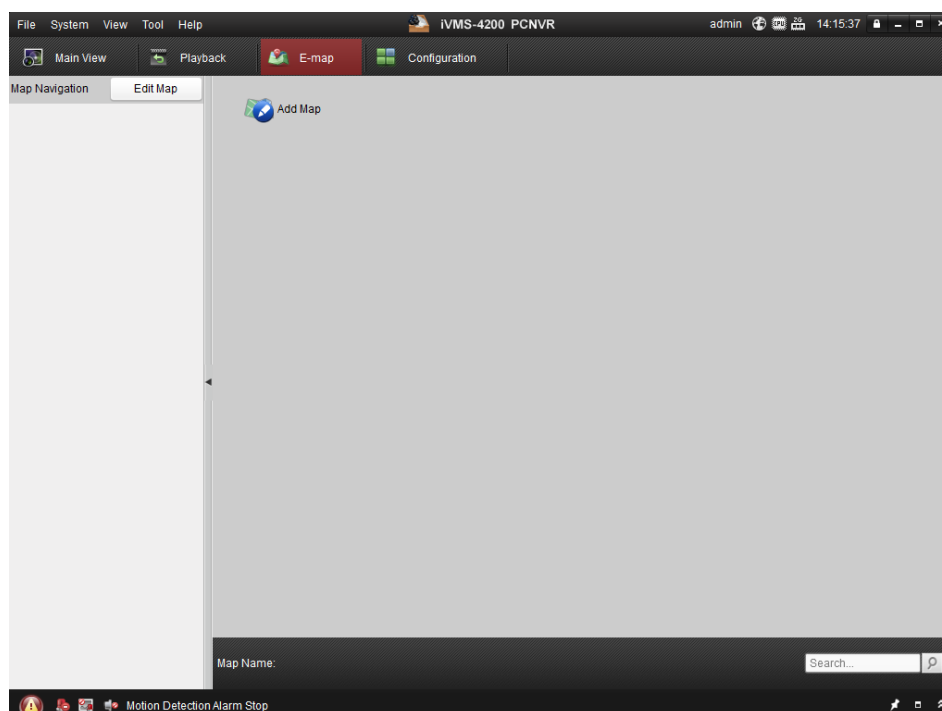
	CIF/4CIF	Display the video in cif/4cif resolution.
	Full Screen	Display the local playback page in full screen.
	Close	Close the local playback page.
	Pause/Play	Pause/Resume the playback of the record files.
	Stop	Stop the playback of the record files.
	Speed Down	Decrease the play speed of local playback.
	Speed Up	Increase the play speed of local playback.
	Single Frame	Play back the record files frame by frame.
	Digital Zoom	Enable the digital zoom function. Click again to disable it.
	Mute/Audio On	Turn off/on the audio in the local playback.
	Capture	Capture the picture in the local playback process.
	Open File	Select the file from local path for playback.

5.7 E-map

Purpose:

The E-map function gives a visual overview of the locations and distributions of the installed cameras and alarm input devices. You can get the live view of the cameras on the map, and when alarm is triggered, you will get a notification message from the map.

Click the **E-map** tab,
or click **View->E-map** to open the E-map page.



Adding an E-map

Purpose:

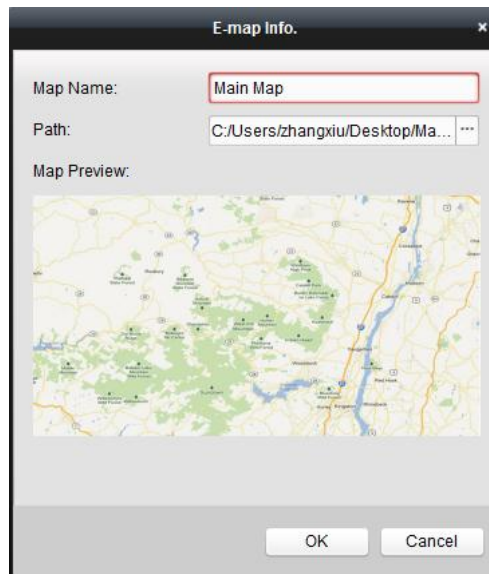
An E-map needs to be added as the main map for the hot spots and hot regions.

Steps:

1. Open the E-map page.
2. Click the icon  on the page to open the map adding dialog box.
3. Input a descriptive name of the added map as desired.
4. Click the icon  and select a map file from the local path. You can get a preview of the map.
5. Click **OK** to save the settings.

Notes:

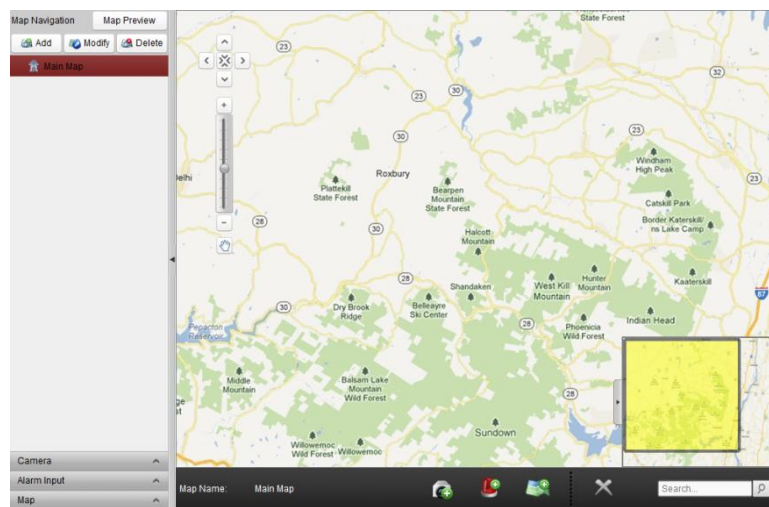
- Only one map can be added as the main map.
- The format of the map file can only be *.png, *.jpg or *.bmp.



The map added is displayed in the Map Display Area. Use the mouse wheel to zoom in or zoom out on the map. You can click-and-drag the yellow window in the lower-right corner or use the direction buttons and zoom bar to adjust the map area for view.

To modify the map information, click the **Modify** button in the Map Navigation Column.

To delete the map, click the **Delete** button in the Map Navigation Column.



Click the button **Edit Map** or **Map Preview** in Map Navigation Column to enter the map editing mode or map preview mode.

E-map Toolbar in Map Editing Mode:



E-map Toolbar in Map Preview Mode:



On the E-map page, the following toolbar buttons are available:



Add Camera

Add a camera as the hot spot on the map.

	Add Alarm Input	Add an alarm input sensor as the hot spot on the map.
	Add Hot Region	Add a sub-map as the hot region on the main map.
	Delete	Remove the hot spots or hot regions from the map.
	Previous	Go to the previous map.
	Next	Go to the next map.
	Clear Alarm Info.	Clear the alarm information displayed on the map.

Hot Spot Function

The cameras and alarm inputs can be added on the map and are called the hot spots. The hot spots show the locations of the cameras and alarm inputs, and you can also get the live view and alarm information of the surveillance scenarios through the hot spots.

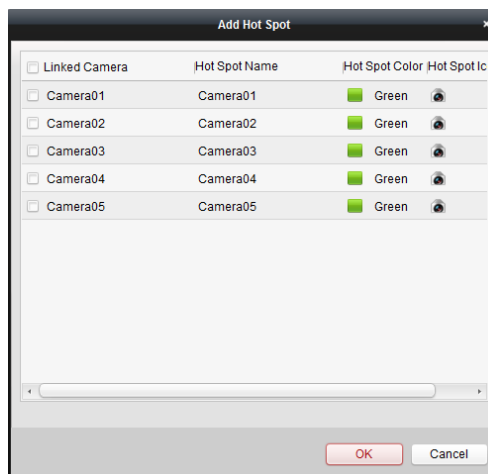
Adding Hot Spots

Adding Cameras as Hot Spots

Steps:

1. Click the **Edit Map** button in the Map Navigation Column to enter the map editing mode.
2. Click the icon  in the toolbar to open the Add Hot Spot dialog box.
3. Check the checkboxes to select the cameras to be added.
4. Optionally, you can edit hot spot name, select the name color and select the hot spot icon.
5. Click **OK** to save the settings.

You can also click-and-drag the camera icons from the camera list to the map directly to add the hot spot.



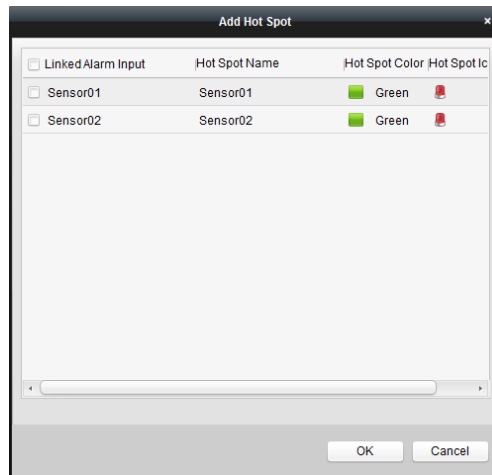
Adding Alarm Inputs as Hot Spots

Steps:

1. Click the **Edit Map** button to enter the map editing mode.
2. Click the icon  in the toolbar to open the Add Hot Spot dialog box.
3. Check the checkboxes to select the alarm inputs to be added.
4. Optionally, you can edit hot spot name, select the name color and select the hot spot icon.
5. Click **OK** to save the settings.

You can also click-and-drag the alarm input icons from the alarm input list to the map directly to

add the hot spot.



Modifying Hot Spots

You can modify the information of the added hot spots on the map, including the name, the color, the icon, etc.

Steps:

1. Click the **Edit Map** button to enter the map editing mode.
2. Select the hot spot icon on the map to show the hot spot modifying page.
3. You can edit the hot spot name in the text field and select the color, the icon and the linked camera or alarm input from the drop-down list.
4. Optionally, you can click the icon / on the right side of Map Display Area to hide/show the hot spot modifying page.
5. To delete the hot spot, select the hot spot icon and click in the toolbar; or right-click the hot spot icon and click **Delete**.

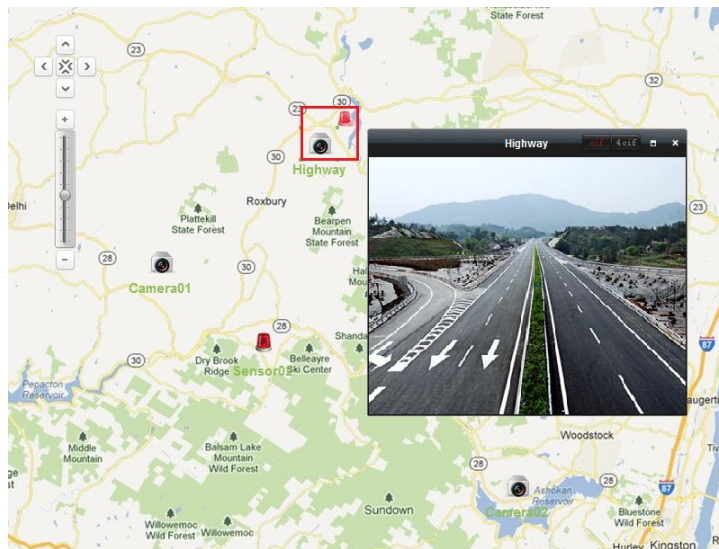


Previewing Hot Spots

Steps:

1. Click the **Map Preview** button in the Map Navigation Column to enter the map preview mode.
2. Double-click the camera hot spots, and you can get the live view of the cameras.

- If there is any alarm triggered, the icon  will appear and twinkle near the hot spot. Click the alarm icon, and then you can check the alarm information, including alarm type and triggering time. You can click the icon  in the toolbar to clear the alarm information.



Hot Region Function

The hot region function links a map to another map. When you add a map to the main map as a hot region, an icon of the link to the added map is shown on the main map. The added map is called child map while the main map to which you add the hot region is the parent map.

Before you start:

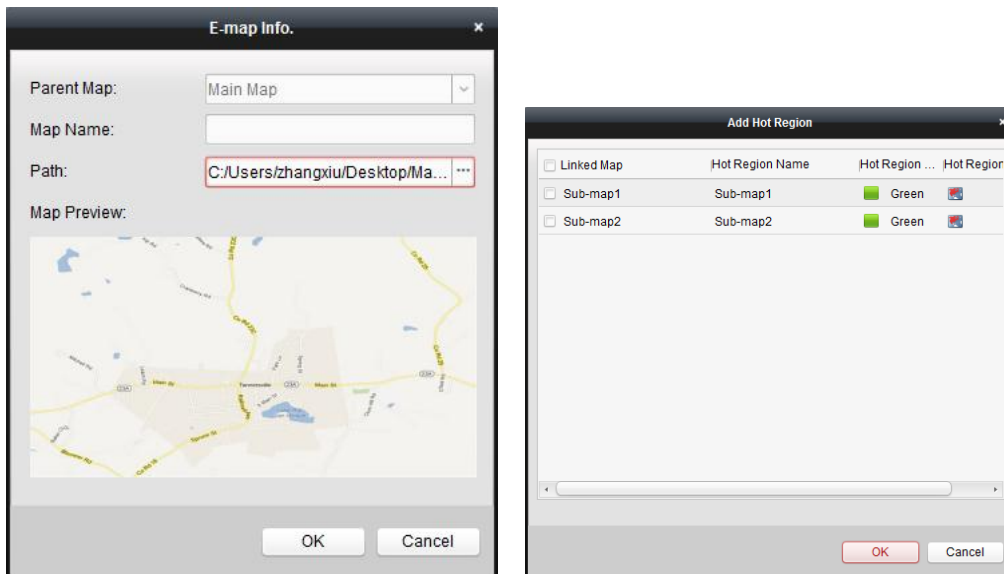
The main map needs to be added as the parent map before you add any sub-maps.

Adding Hot Regions

Steps:

- Click the **Edit Map** button to enter the map editing mode.
 - Click the **Add** button in the Map Navigation Column to add the sub-maps.
 - Select the main map name on the list and click the icon  in the toolbar to open the Add Hot Region dialog box.
 - Check the checkboxes to select the sub-maps to be linked.
 - Optionally, you can edit the hot region name, and select the hot region color and icon.
 - Click **OK** to save the settings. The sub-map icons are added on the main map as the hot regions. Click-and-drag the sub-map icons to move the hot regions to the desired locations.
- You can also click-and-drag the sub-map icons from the map list to the main map directly to add the hot region.

Note: Up to 16 sub-maps can be added under the main map.



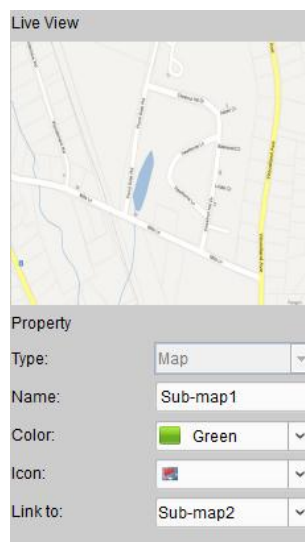
Modifying Hot Regions

Purpose:

You can modify the information of the hot regions on the main map, including the name, the color, the icon, etc.

Steps:

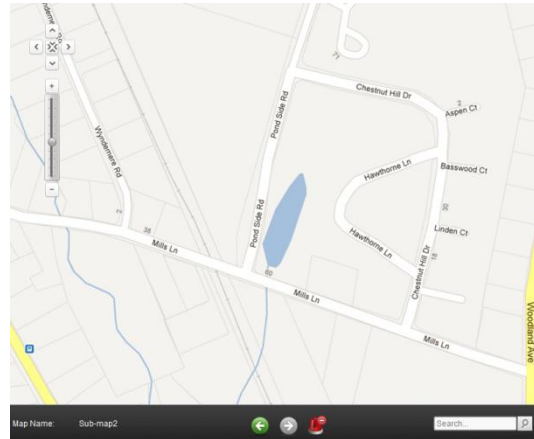
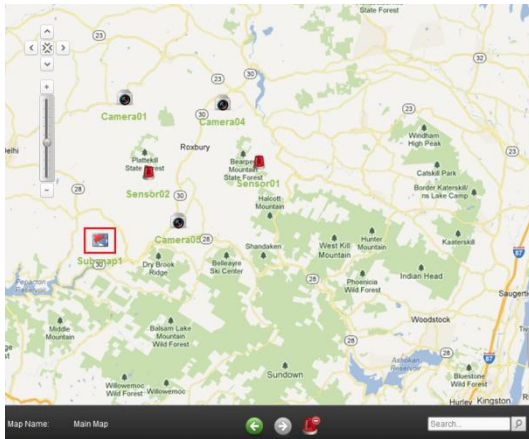
1. Click the **Edit Map** button to enter the map editing mode.
2. Select the hot region icon on the main map to show the hot region modifying page.
3. You can edit the hot region name in the text field and select the color, the icon and the linked sub-map from the drop-down list.
4. Optionally, you can click the icon on the right side of Map Display Area to hide/show the hot region modifying page.
5. To delete the hot region, select the hot region icon and click in the toolbar; or right-click the hot spot icon and click **Delete**.



Previewing Hot Regions

Steps:

1. Click the **Map Preview** button to enter the map preview mode.
2. Double-click the hot region icon to enter the linked sub-map.
3. The hot spots can also be added on the hot regions.
4. You can click the icon   in the toolbar to go the previous/next map.



5.8 Web Browsing

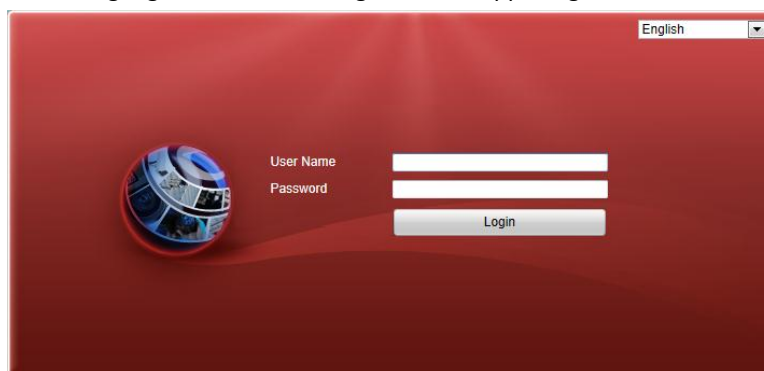
Purpose:

iVMS-4200 PCNVR can also be accessed through web browsing. It provides the functionalities of live view, playback, log management, system configuration, etc.

Steps:

1. Input the IP address of the PC running PCNVR in the address bar of the web browser, and press the **Enter** key. A login window will pop up.
2. Input the user name and password of PCNVR.
3. Click **Login**.

Note: You can set the language as Chinese or English in the upper-right corner of the login interface.



6. Exit System

Click **File** on the top menu and select **Exit**, or click  in the upper-right corner of the main interface, and then a confirmation dialog pops up. Click **Yes** to exit iVMS-4200 PCNVR.



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