iVMS-5200 Professional Web Manager

User Manual

UD.6L0202D1651A01

Hikvision® iVMS-5200 Professional Web Manager User Manual

This manual, as well as the software described in it, is furnished under license and may be used or copied only in accordance with the terms of such license. The content of this manual is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by Hangzhou Hikvision Digital Technology Co., Ltd. (Hikvision). Hikvision assumes no responsibility or liability for any errors or inaccuracies that may appear in the book.

HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE HIKVISION SOFTWARE. HIKVISION DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE HIKVISION SOFTWARE IN TERMS OF ITS CORRECTNESS, ACCURACY, RELIABILITY, CURRENTNESS, OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE HIKVISION SOFTWARE IS ASSUMED BY YOU. THE EXCLUSION OF IMPLIED WARRANTIES IS NOT PERMITTED BY SOME STATES. THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

IN NO EVENT WILL HIKVISION, ITS DIRECTORS, OFFICERS, EMPLOYEES, OR AGENTS BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, AND THE LIKE) ARISING OUT OF THE USE OR INABILITY TO USE THE HIKVISION SOFTWARE EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Contents

Chapter 1 Overview

1.1 About This Document

This user manual is intended for the administrator of the iVMS-5200 Professional (hereafter simply as iVMS-5200P). It guides you to establish and configure the surveillance system. Follow this manual to perform the installation of the iVMS-5200P, activation of CMS, access of the iVMS-5200P and configuration of the surveillance task via the provided web manager, etc. To ensure the properness of usage and stability of the iVMS-5200P, please refer to the contents below and read the manual carefully before installation and operation.

1.2 Introduction to iVMS-5200 Professional

iVMS-5200P is developed by HIKVISION for central management of video monitoring system and features flexibility, scalability high reliability and powerful functions. Integrating with multiple surveillance systems, iVMS-5200P provides the central management, information sharing, convenient connection and multi-service cooperation. It is capable of adding devices for management, live view, storage and playback of record files, VCA search, alarm linkage, etc..

The complete iVMS-5200P contains the following modules:
Note: You can install the modules according to actual needs.

Module	Introduction
CMS (Central Management Server): For detailed installation, please refer to *Chapter 3.1 Installing the Server* Modules.	a) Provide the unified authentication service for connecting with the clients and servers. b) Provide the centralized management for the users, roles, permissions, surveillance devices, alarm device and servers. c) Provide the configuration interface for surveillance and management module, and sub-systems. d) Provide the log management and statistics function.
SMS (Stream Media Server) (Optional): For detailed installation, please refer to *Chapter 3.1 Installing the Server* Modules.	a) Forward and distribute the audio and video data of live view. b) Provide the function of live view via mobile control client.
SS (Storage Server) (Optional): For detailed installation, please refer to *Chapter 3.1 Installing the Server* Modules and *Chapter 11.3* How to Allocate Storage Space for Storage Server.	a) Obtain the audio and video data stream via the SMS (Stream Media Server) or directly from the connected encoding device b) Extract the index information and dump the audio and video data to the storage device to realize the centralized management of the mass video files.

Module	Introduction
	c) Provide the efficient, secure, convenient storage service for pictures with storage efficiency of 10 pictures per second.
MAG (Mobile Access Gateway) (Optional): For detailed installation, please refer to *Chapter 3.1 Installing the Server* Modules.	When setting the image quality as Fluent in Mobile Client, the MAG can provide the following functions: a) Convert and distribute the low bitrate stream when live viewing the high-definition video via Mobile Client. b) Transcode and distribute up to 24-ch high-definition stream. c) Ensure the high-definition live view and playback without affecting the performance of the mobile phone.
Behavior Analysis (Optional): For detailed installation, please refer to *Chapter 3.1 Installing the Server* Modules.	Provide line crossing detection and intrusion detection for the network cameras that are added to the Behavior Analysis server.

The following table lists the provided clients for accessing or management the iVMS-5200P.

Client	Introduction
Control Client: For detailed installation, please refer to *Chapter 3.3 Installing and Uninstalling the Control Client.*	iVMS-5200 Control Client is a C/S software which provides multiple operating functionalities, including real-time live view, PTZ control, video playback and download, alarm receiving, log query, etc..
Web Client: For detailed introduction, please refer to the *User Manual of iVMS-5200 Control Client.*	iVMS-5200 Web Client is a B/S software for accessing the iVMS-5200P through web browser. It provides the functionalities of live view, playback, and local configuration.
Web Manager: For detailed running environment for Web Manager, please refer to *Chapter 5.1 Open the Web Manager and Login.*	iVMS-5200 Web Manager is a B/S client for management of iVMS-5200P. It provides multiple functionalities, including device management, record schedule settings, event configuration, user management, etc., for the iVMS-5200P to manage the connected devices.
Mobile Client: For detailed installation and configuration, please refer to the *User Manual of iVMS-5260 Mobile Client*.	The iVMS-5260 Mobile Client is the mobile client software designed for getting access to the iVMS-5200P via Wi-Fi, 2G, 3G and 4G network with mobile device, it fulfills the functions of the devices connected to the iVMS-5200P, such as live view, remote playback, PTZ control and so on.

1.3 Administrator Rights

When you install and run the server modules, clients and software, it is important that you have administrator rights on the PCs or servers that should run these components. Otherwise, you cannot install and configure the iVMS-5200P.

Consult your IT system administrator if in doubt about your rights.

Chapter 2 Getting Started

The following content describes the tasks typically involved in setting a working iVMS-5200P.

Note: The contents below may not cover the exact needs of your organization.

- Verify Initial Configuration of Encoding Devices and other Servers

Before doing anything on iVMS-5200P, make sure the devices (cameras, DVR, storage server, etc.) you are going to use are correctly installed and connected to the network, etc. as specified by the manufacturers. Such initial configuration is required in order to be able to connect the devices to the iVMS-5200P via network.

- Install iVMS-5200P

Refer to *Chapter 3 Installation and Uninstallation* to for the detailed installation steps.

- Open the Web Manager

Refer to *Chapter 5.1 Open the Web Manager and Login*.

- Activate Your License

Refer to *Chapter 4 Activating* CMS for the operation of activating the license.

- Add Devices to iVMS-5200P and Configure Area

iVMS-5200P can quickly scan your network for relevant encoding devices (cameras, DVR, etc.), and add them to your system. Or you can add the devices by inputting the required information manually. The devices added should be organized into areas for convenient management. Refer to *Chapter 6 Resource Management*.

- Configure Record Schedule

The video files of the cameras to can be recorded on the storage device according to the configured record schedule. The schedule can be set as continuous, alarm triggered or command triggered as desired. Refer to *Chapter 7 Record Schedule Settings*.

- Configure Events

The camera exception, device exception, server exception and the alarm input can trigger linkage actions in iVMS-5200P. For example: when motion is detected, an audible warning appears or a notification email is sent to you. Refer to *Chapter 8 Event Configuration*.

- Configure Users

Now specify who should be able to access your iVMS-5200P, and how. You can set the different permissions for the users to limit the operation of the iVMS-5200P. Refer to *Chapter 9.1 Role Management* and *Chapter 9.2 User Management*.

Chapter 3 Installation and Uninstallation

The program file which is provided by HIKVISION contains 5 server modules and 1 client, including iVMS-5200 Central Management Server, iVMS-5200 Storage Server, iVMS-5200 Stream Media Server, iVMS-5200 Mobile Access Gateway, Behavior Analysis and iVMS-5200 Control Client. The server modules can be installed on different servers or PCs separately, or you can install them on the same server or PC as desired.

3.1 Installing the Server Modules

Before you start:

The SS must be installed on the 64-bit PC or server to work properly.

Running Environment

For CMS:

- **Operating System:** Windows Server 2008 / Windows Server 2012 SP2 (64-bit); Windows 7 / Windows 8 / Windows 8.1 (32/64-bit)
- **Processor**: E5-2620 series processor with 6 cores (2.0 Ghz)
- **Memory**: 8GB
- **HDD**: Enterprise-level SATA disk with 600GB storage capacity
- **Network Controller**: RJ45 Gigabit self-adaptive Ethernet interfaces

Note: We also provide a dedicated product for installing and running the CMS. For details, please contact you dealer or our salesman.

For Other Servers

- **Operating System:** Windows Server 2008 R2 (64-bit)
- **Processor**: E3-1230 V2 series processor (3.3 GHz)
- **Memory**: 8GB
- **HDD**: Enterprise-level SATA disk with 500GB storage capacity
- **Network Controller**: RJ45 Gigabit self-adaptive Ethernet interfaces

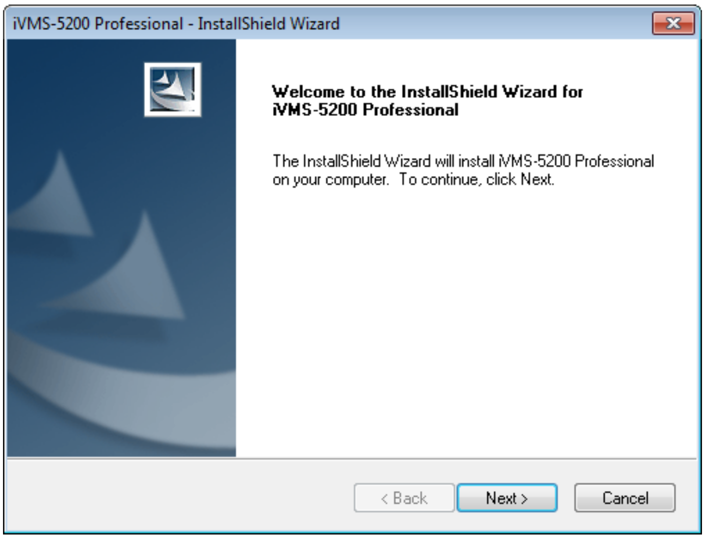
Note: We also provide dedicated products for installing and running the servers. For details, please contact you dealer or our salesman.

Installation

Perform the following steps to install the server modules.

Steps:

1. Double-click the program file to enter the welcome panel of the InstallShield Wizard. Click **Next** to start the InstallShield Wizard.

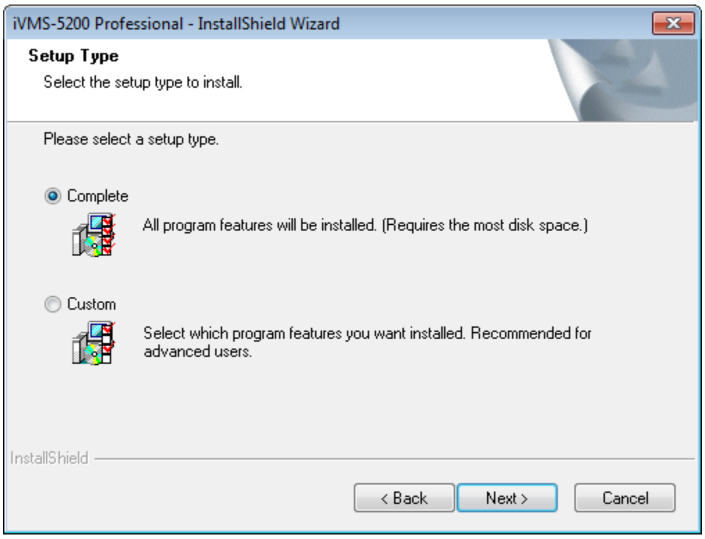


iVMS-5200 Professional - InstallShield Wizard

Welcome to the InstallShield Wizard for iVMS-5200 Professional

The InstallShield Wizard will install iVMS-5200 Professional on your computer. To continue, click Next.

2. On the next panel, you are prompted to select a setup type to install.



iVMS-5200 Professional - InstallShield Wizard

Setup Type

Select the setup type to install.

Please select a setup type.

● Complete

All program features will be installed. (Requires the most disk space.)

○ Custom

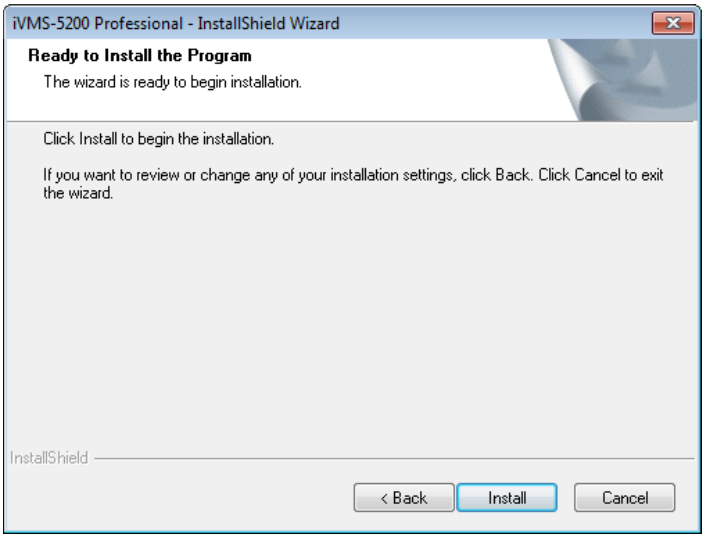
Select which program features you want installed. Recommended for advanced users.

- **For Complete:** All the modules, including all the server modules and Control Client, will be installed and the installation directory cannot be modified.

Note: The default directory is *C:\Program Files\iVMS-5200 Professional* or *C:\Program Files (x86)\iVMS-5200 Professional*.

Click **Next** to continue.

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


iVMS-5200 Professional - InstallShield Wizard

Ready to Install the Program

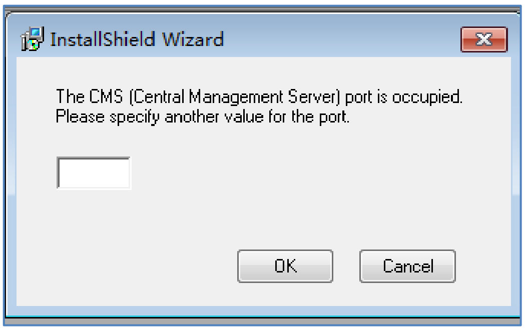
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

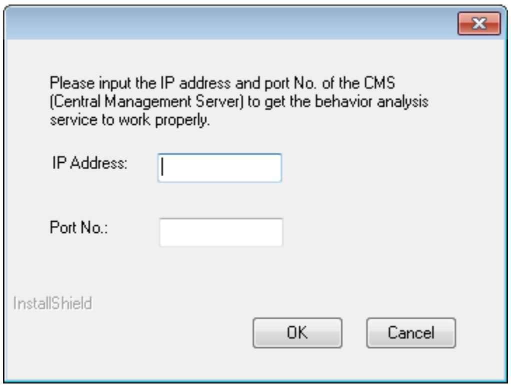
2) A panel indicating progress of the installation is displayed.

Note: For installing CMS, the port 80 of your PC or server should be used when running the CMS. If it is occupied, the following dialog box pops up. Please change the port to other available value.


InstallShield Wizard

The CMS (Central Management Server) port is occupied. Please specify another value for the port.

3) In the pop-up window, input the IP address and the port No. of the CMS to form the proper connection between the CMS and Behavior Analysis to ensure the proper working of the Behavior Analysis. Click **OK** to continue.

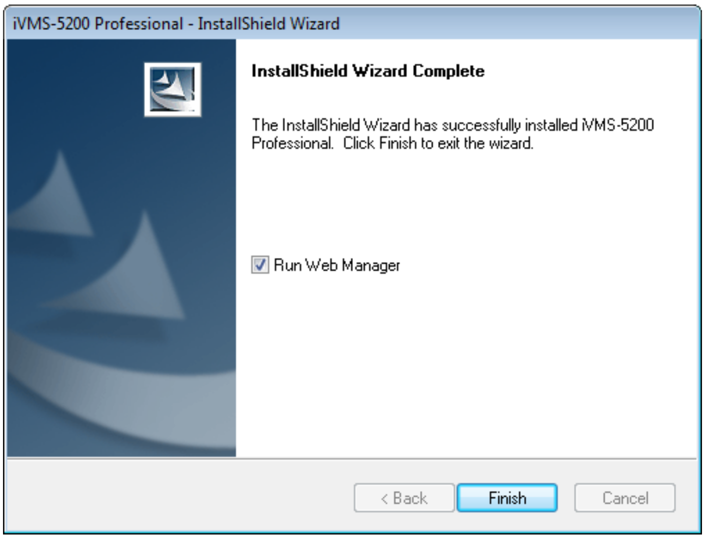

Please input the IP address and port No. of the CMS (Central Management Server) to get the behavior analysis service to work properly.

IP Address:

Port No.:

4) Read the post-install information and click **Finish** to complete the installation.

Note: You can check the **Run Web Manager** checkbox to open the login interface of Web Manager via Web browser automatically.



iVMS-5200 Professional - InstallShield Wizard

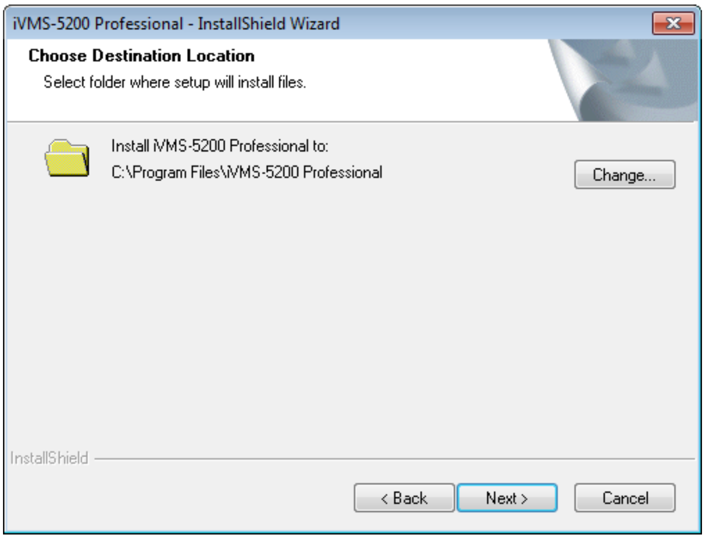
InstallShield Wizard Complete

The InstallShield Wizard has successfully installed iVMS-5200 Professional. Click Finish to exit the wizard.

☑ Run Web Manager

- **For Custom:** You can select the installation directory and modules to be installed as desired. Click **Next** to continue.

1) Click **Change** and select a proper directory as desired to install the module(s). Click **Next** to continue.



iVMS-5200 Professional - InstallShield Wizard

Choose Destination Location

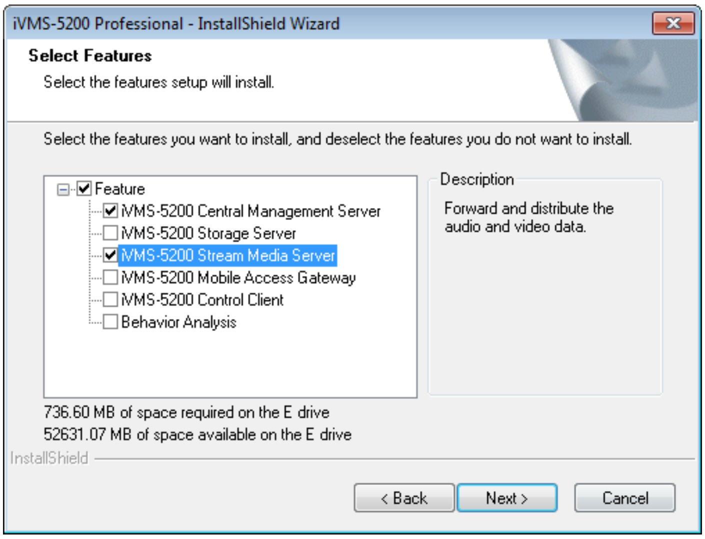
Select folder where setup will install files.

Install iVMS-5200 Professional to:
C:\Program Files\iVMS-5200 Professional

2) Select the module(s) you want to install and click **Next** to start installation. In this way, you can install the server modules to different PCs or servers as desired.

Notes:

- To build the surveillance system, the iVMS-5200 CMS must be installed on ones of your PCs or servers. For other modules, you can install them according to actual needs. Refer to *Chapter 1.2 Introduction to iVMS-5200 Professional* for the description of the modules.
- If you select server module(s) (iVMS-5200 Central Management Server, iVMS-5200 Storage Server, iVMS-5200 Stream Media Server, iVMS-5200 Mobile Access Gateway or Behavior Analysis), the iVMS-5200 Service Watchdog will be installed automatically.



Select Features

Select the features setup will install.

Select the features you want to install, and deselect the features you do not want to install.

- ☑ Feature
  - ☑ iVMS-5200 Central Management Server
  - □ iVMS-5200 Storage Server
  - ☑ iVMS-5200 Stream Media Server
  - □ iVMS-5200 Mobile Access Gateway
  - □ iVMS-5200 Control Client
  - □ Behavior Analysis

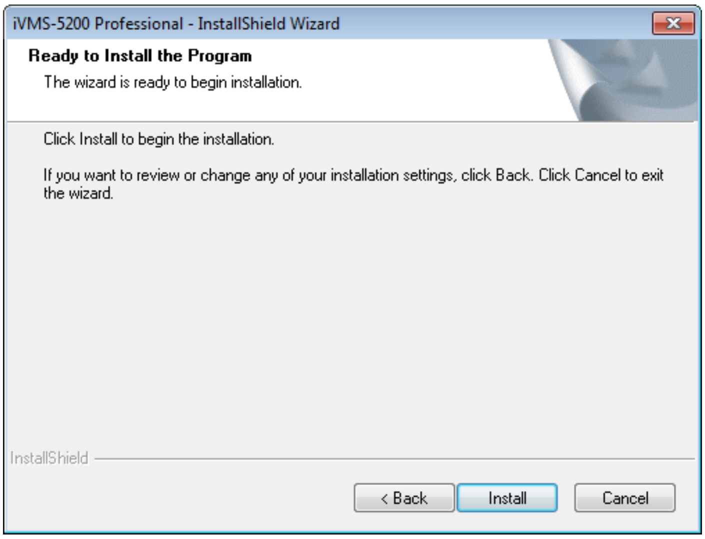
Description

Forward and distribute the audio and video data.

736.60 MB of space required on the E drive

52631.07 MB of space available on the E drive

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



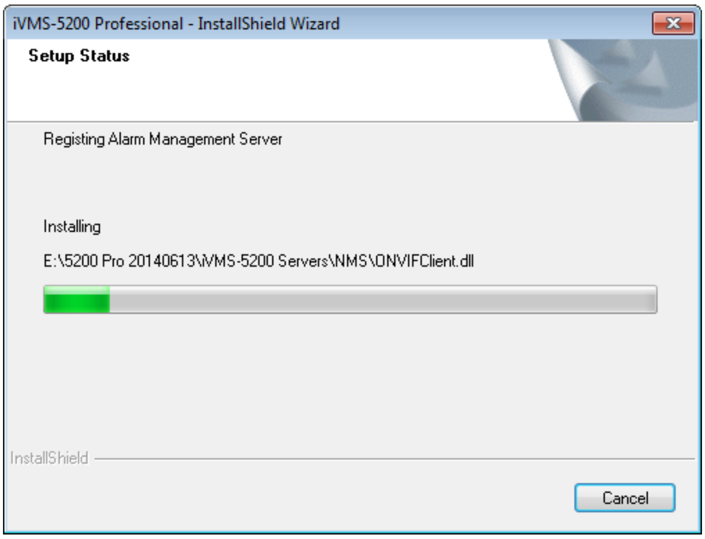
Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

4) A panel indicating progress of the installation is displayed.



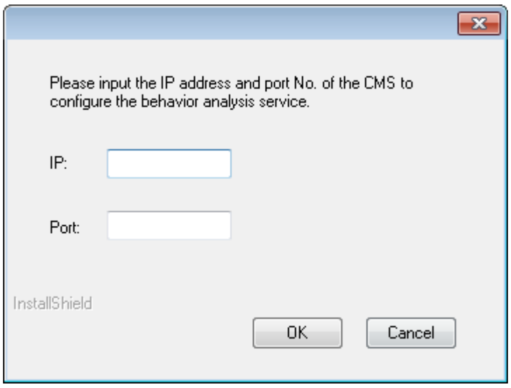
Setup Status

Registing Alarm Management Server

Installing

E:\5200 Pro 20140613\iVMS-5200 Servers\NMS\ONVIFClient.dll

5) If you select to install the Behavior Analysis module, the following window will pop up. Input the IP address and the port No. of the CMS to form the proper connection between the CMS and Behavior Analysis. Click **OK** to continue.



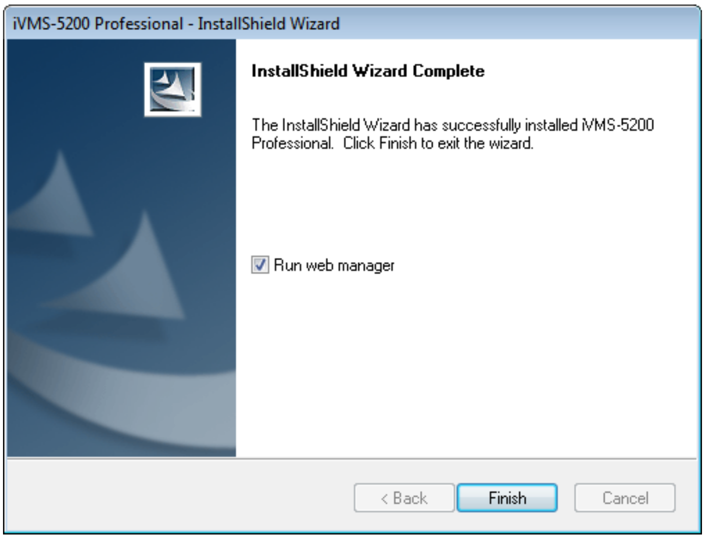
Please input the IP address and port No. of the CMS to configure the behavior analysis service.

IP:

Port:

6) Read the post-install information and click **Finish** to complete the installation.

Note: You can check the **Run Web Manager** checkbox to open the login interface of Web Manager via Web browser automatically.



iVMS-5200 Professional - InstallShield Wizard

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed iVMS-5200 Professional. Click Finish to exit the wizard.

☑ Run web manager

After successfully installing the server module(s), the Watchdog runs automatically.

Note: The Watchdog should be run as administrator. If not, please exit the Watchdog and then run it as administrator. Consult your IT system administrator if in doubt about your rights.

3.2 Uninstalling the Server Modules

3.2.1 Uninstall All the Server Modules

To remove the entire iVMS-5200P (that is the surveillance server software and related installation files, and the Control Client) from your PC or server, perform the following steps:

Note: Before removing the CMS, you should logout the License or Dongle if you have activated the CMS so that the License or Dongle can be used for activating another CMS. For details, please refer to *Chapter 4 Activating CMS.*

Steps:

1. Shut down all iVMS-5200P modules and exit the iVMS-5200 Service Watchdog.

   Note: The following procedure of standard system module removal may be slightly different according to the different OS versions.

2. In Windows' Start menu, select Control Panel.
   - If using Category view, find the Programs category, and click **Uninstall a program**.
   - If using Small icons or Large icons view, select **Programs and Features**.
3. In the list of currently installed programs, right-click the iVMS-5200 Professional.
4. Select **Uninstall** and follow the removal instructions.

3.2.2 Uninstall the Specific Server Modules

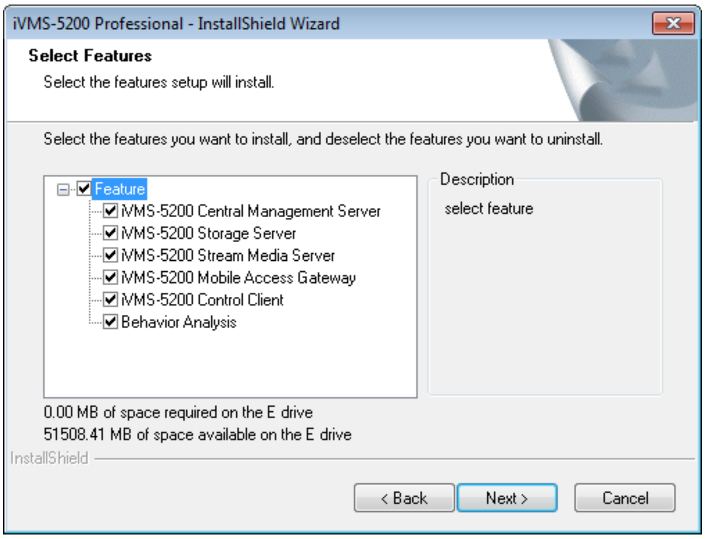
To remove the specific module(s) of the iVMS-5200P (e.g., CMS, SS or the Control Client) from your PC or server, perform the following steps:

Note: Before removing the CMS, you should logout the License or Dongle if you have activated the CMS so that the License or Dongle can be used for activating another CMS. For details, please refer to *Chapter 4 Activating CMS.*

Steps:

1. Shut down all iVMS-5200P modules and exit the iVMS-5200 Service Watchdog.

   Note: The following procedure of standard system module removal may be slightly different according to the different OS versions.
2. In Windows' Start menu, select Control Panel.
   - If using Category view, find the Programs category, and click **Uninstall a program**.
   - If using Small icons or Large icons view, select **Programs and Features**.
3. In the list of currently installed programs, right-click the iVMS-5200 Professional.
4. Select **Change** and the InstallShiled Wizard pops up.
5. Select the Modify radio button and click **Next** to continue.



iVMS-5200 Professional - InstallShield Wizard

Select Features

Select the features setup will install.

Select the features you want to install, and deselect the features you want to uninstall.

- ☑ Feature
  - ☑ iVMS-5200 Central Management Server
  - ☑ iVMS-5200 Storage Server
  - ☑ iVMS-5200 Stream Media Server
  - ☑ iVMS-5200 Mobile Access Gateway
  - ☑ iVMS-5200 Control Client
  - ☑ Behavior Analysis

Description

select feature

0.00 MB of space required on the E drive

51508.41 MB of space available on the E drive

6. Uncheck the checkbox of the module(s) that you want to uninstall, click **Next** and follow the removal instructions.

3.3 Installing and Uninstalling the Control Client

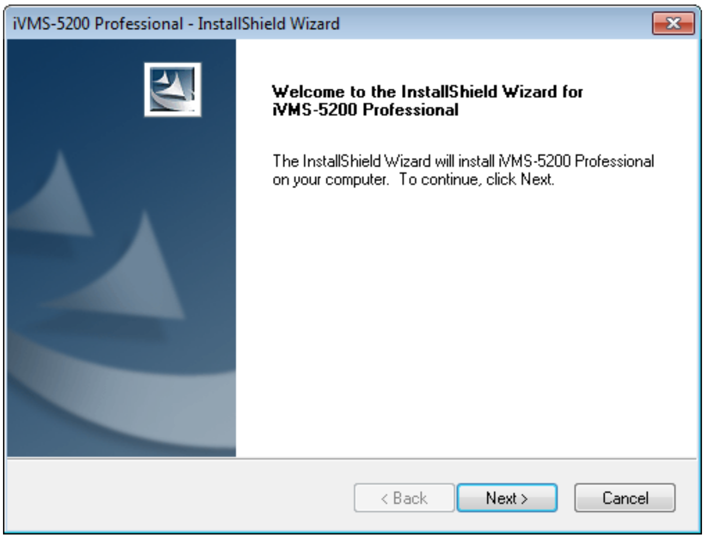
Running Environment

- **Operating System:** Windows 7 / Windows 8 / Windows 8.1 (32/64-bit)
- **CPU**: Intel Core i3-530 and above
- **Memory**: 4GB
- **Video Card**: Geforce GTX 240 and above

Perform the following steps to install the iVMS-5200 Control Client.

Steps:

1. Double-click the program file to enter the welcome panel of the InstallShield Wizard. Click **Next** to start the InstallShield Wizard.

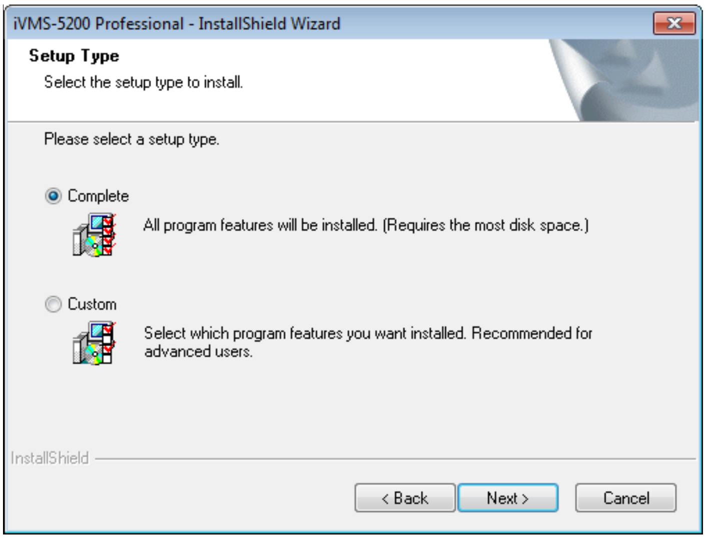


iVMS-5200 Professional - InstallShield Wizard

Welcome to the InstallShield Wizard for iVMS-5200 Professional

The InstallShield Wizard will install iVMS-5200 Professional on your computer. To continue, click Next.

2. On the next panel, you are prompted to select a setup type to install. Select **Custom** radio button and click **Next** to continue.



iVMS-5200 Professional - InstallShield Wizard

Setup Type

Select the setup type to install.

Please select a setup type.

● Complete

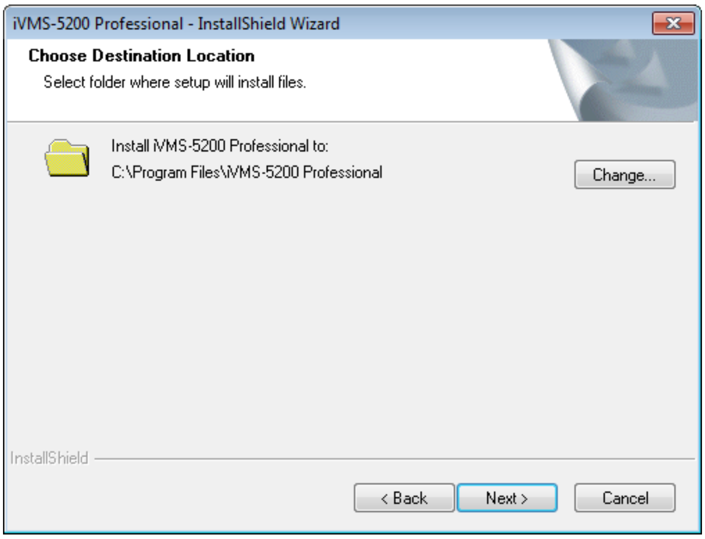
All program features will be installed. (Requires the most disk space.)

○ Custom

Select which program features you want installed. Recommended for advanced users.

3. Click **Change** and select a proper directory as desired to install the Control Client. Click **Next** to

continue.



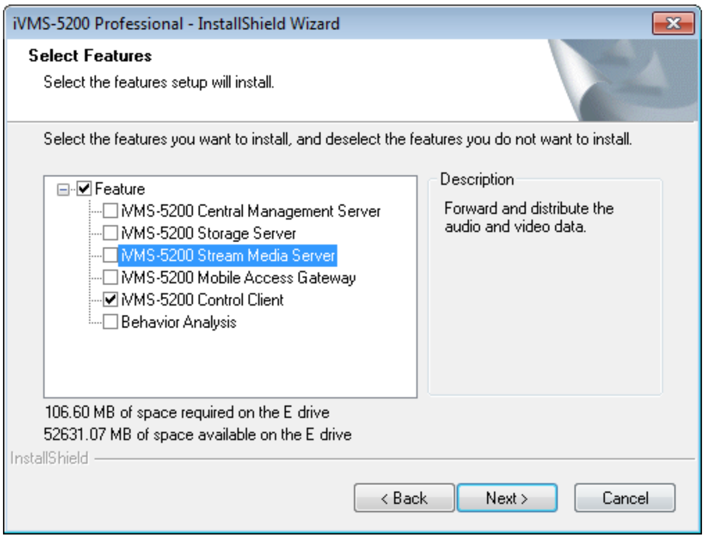
iVMS-5200 Professional - InstallShield Wizard

Choose Destination Location

Select folder where setup will install files.

Install iVMS-5200 Professional to:
C:\Program Files\iVMS-5200 Professional

4. Select the iVMS-5200 Control Client and click **Next** to start installation.



iVMS-5200 Professional - InstallShield Wizard

Select Features

Select the features setup will install.

Select the features you want to install, and deselect the features you do not want to install.

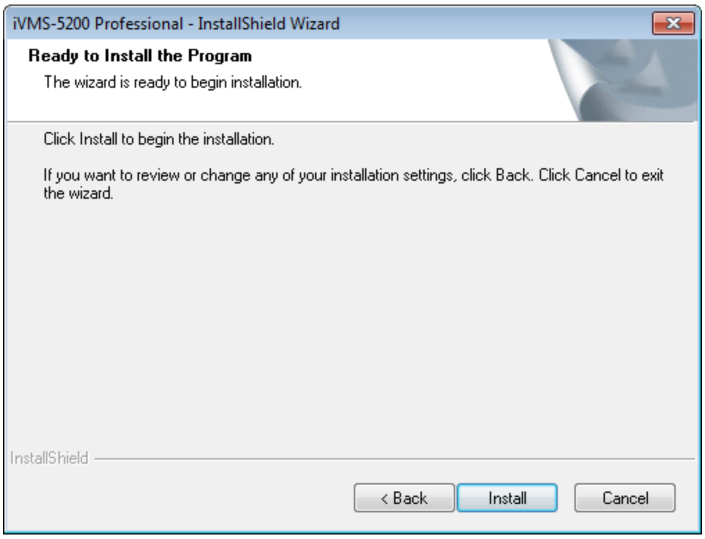
- ☑ Feature
  - ☐ iVMS-5200 Central Management Server
  - ☐ iVMS-5200 Storage Server
  - ☐ iVMS-5200 Stream Media Server
  - ☐ iVMS-5200 Mobile Access Gateway
  - ☑ iVMS-5200 Control Client
  - ☐ Behavior Analysis

Description

Forward and distribute the audio and video data.

106.60 MB of space required on the E drive
52631.07 MB of space available on the E drive

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



iVMS-5200 Professional - InstallShield Wizard

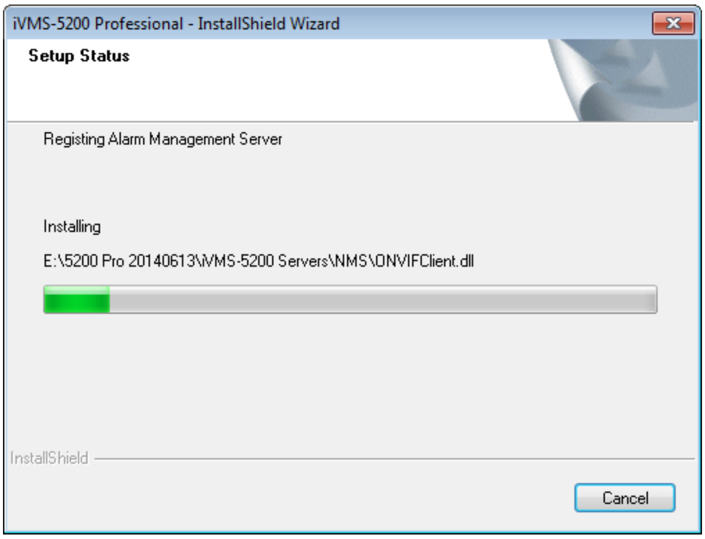
Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

6. A panel indicating progress of the installation is displayed.



iVMS-5200 Professional - InstallShield Wizard

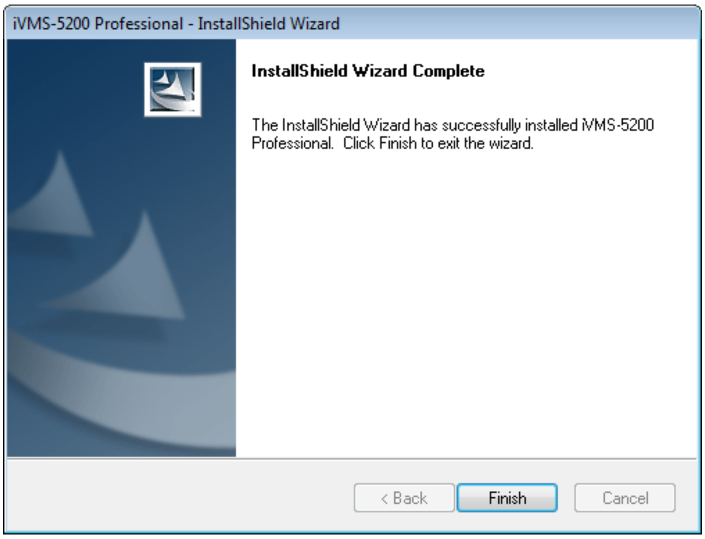
Setup Status

Registing Alarm Management Server

Installing

E:\5200 Pro 20140613\iVMS-5200 Servers\NMS\ONVIFClient.dll

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



iVMS-5200 Professional - InstallShield Wizard

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed iVMS-5200 Professional. Click Finish to exit the wizard.

To uninstall the Control Client, you can refer to *Chapter 3.2 Uninstalling the Server Modules* for detailed steps.

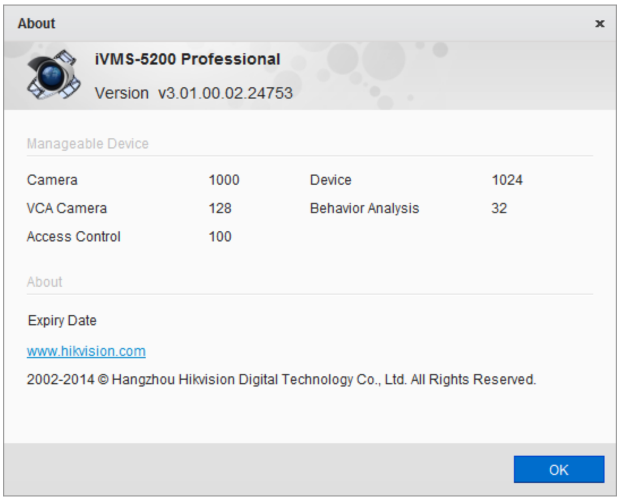
Chapter 4 Activating CMS

After you install the iVMS-5200P, you get a temporary License for certain number of connected cameras within a certain time period. This is called the trial period. If trial period have expired and the CMS has not been activated, the iVMS-5200P will stop working.

To ensure the proper use of the iVMS-5200P, you should activate the CMS before the trial period ends.

Notes:

1) If you do not want to activate the CMS now, you can skip this chapter and perform this operation according to actual needs.
2) Please log into the iVMS-5200P via Web Manager (refer to *Chapter 5.1 Open the Web Manager and Login*), click **Help** at the top right corner and click **About** to check the trial period and the manageable device number of your iVMS-5200P.



About

iVMS-5200 Professional

Version v3.01.00.02.24753

Manageable Device

Camera	1000	Device	1024
VCA Camera	128	Behavior Analysis	32
Access Control	100		

About

Expiry Date

www.hikvision.com

2002-2014 © Hangzhou Hikvision Digital Technology Co., Ltd. All Rights Reserved.

Two activation modes are available: Dongle and License. We introduce the configuration of these two modes separately here.

If you purchase Dongle, please refer to *Chapter 4.2 Activating via Dongle* for detailed configuration about activating the CMS via Dongle.

If you purchase License, please refer to *Chapter 4.1 Activating via Activation* Code for details.

4.1 Activating via Activation Code

If you purchase the License, you will get an activation code from HIKVISION.

Two ways are selectable according to your network condition.

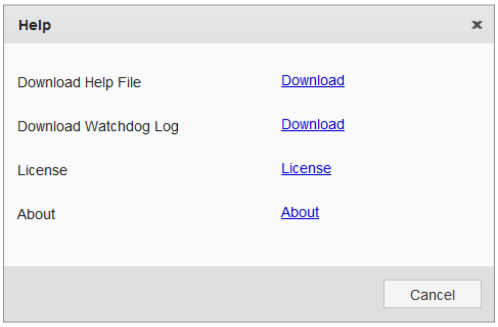
4.1.1 Online Activation

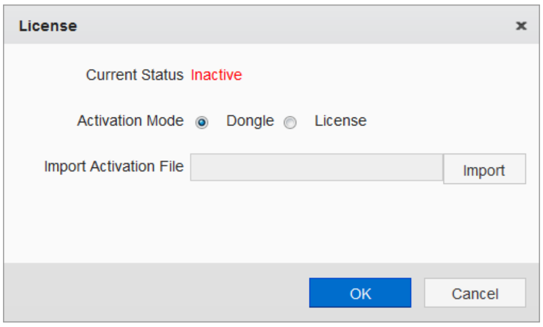
Purpose:

If the CMS to be activated can properly connect to the Internet, you can perform the following steps to activate the License.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.

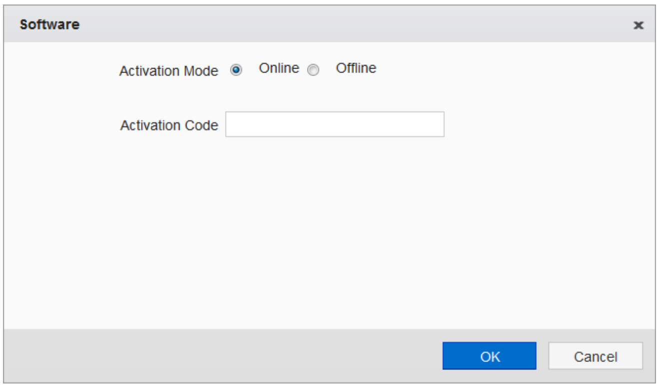




Current Status Inactive

Activation Mode ● Dongle ○ License

3. Select the **License** radio button and click **OK**.
4. On the pop-up window, select the **Online** radio button and enter the activation code received when you purchase your License.



Activation Mode ● Online ○ Offline

5. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully activated.

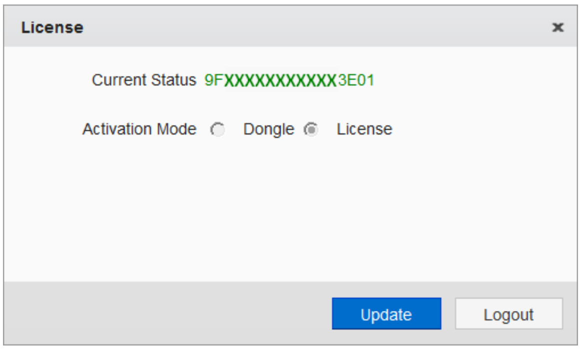
Update

Purpose:

As your project grows, you may need to enlarge the connectable number of cameras for your iVMS-5200P. You can contact your dealer or our salesman to purchase additional features and then perform the following steps to update your License.

Steps

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.



License

Current Status 9FXXXXXXXXXXX3E01

Activation Mode ○ Dongle ● License

3. Click **Update** and enter the activation code received when you purchase your License.

   Note: After you have contacted your dealer or our salesman to purchase additional features, you can use the same activation code received when you purchase your License to update the CMS.

4. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully updated.

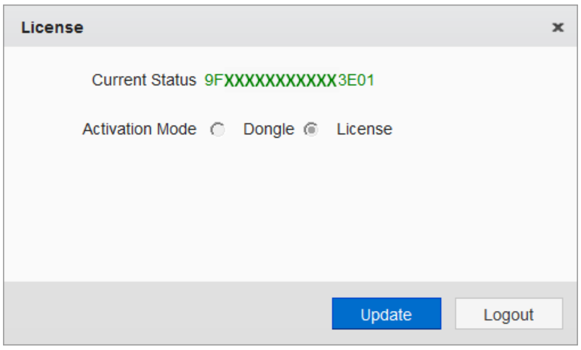
Logout

Purpose:

If you want to run the CMS on another PC or server, you should logout the License first and then activate the CMS again. You can also use the License to activate other CMS after you logout the License.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.



License

Current Status 9FXXXXXXXXXXX3E01

Activation Mode ○ Dongle ● License

3. Click **Logout** and enter the activation code received when you purchase your License in the pop-up window.
4. Click **OK** to confirm logging out. After successfully logging out, the "*Logout Succeeded*" will pop up. You can activate other CMS with the License.

4.1.2 Offline Activation

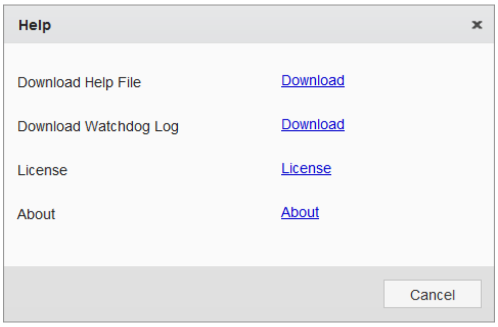
Purpose:

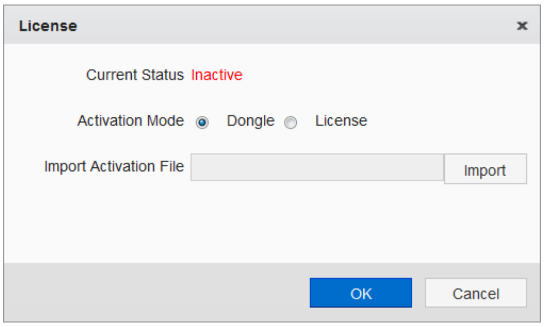
If the CMS to be activated cannot connect to the Internet, you can perform the following steps to activate the License.

Note: Offline License Activation Utility will also be provided by HIKVISION for offline activation.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.

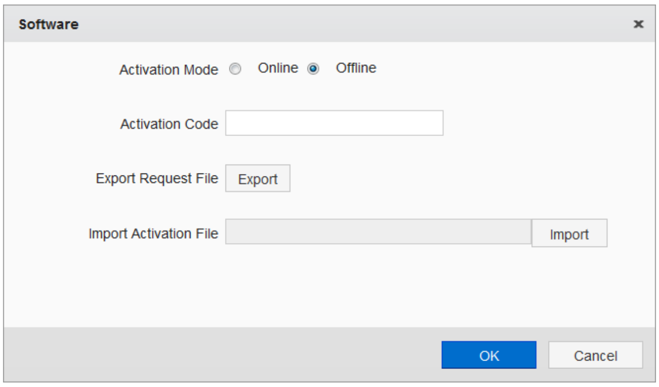




Current Status Inactive

Activation Mode ● Dongle ○ License

3. Select the **License** radio button and click **OK**.
4. On the pop-up window, select the **Offline** radio button and enter the activation code received when you purchase your License.



Activation Mode ○ Online ● Offline

5. Click **Export** and save the request file to the proper directory or the removable storage medium (e.g., USB flash disk).
6. Copy the request file and the Offline License Activation Utility to the PC that can connect to the Internet.

   Note: If the PC accessing the iVMS-5200P via Web Manager can connect to the Internet, you can skip step 6.
7. Run the Offline License Activation Utility, click **Browse** to select the License Request Binary File and click **Browse** to set the name and saving path for the License Response Binary File.
8. Click **Send Request to Server** to generate the response file.
9. Save the response file to the proper directory of the PC that accesses the iVMS-5200P via Web Manager. In the License configuration window, click **Import** to import the response file.
10. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully activated.

Update

Purpose:

As your project grows, you may need to enlarge the connectable number of cameras for your iVMS-5200P. You can contact your dealer or our salesman to purchase additional features and then perform the following steps to update your License.

Steps

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.
3. Click **Update** and enter the activation code received when you purchase your License.

   Note: After you contact your dealer or our salesman to purchase additional features, you can use the activation code received when you purchase your License to update the CMS.
4. Click **Export** and save the request file to the proper directory or the removable storage medium (e.g., USB flash disk).
5. Copy the request file and the Offline License Activation Utility to the PC that can connect to the Internet.

   Note: If the PC accessing the iVMS-5200P via Web Manager can connect to the Internet, you can skip step 5.
6. Run the Offline License Activation Utility, click **Browse** to select the License Request Binary File and click **Browse** to set the name and saving path for the License Response Binary File.
7. Click **Send Request to Server** to generate the response file.
8. Save the response file to the proper directory of the PC that accesses the iVMS-5200P via Web Manager. In the License configuration window, click **Import** to import the response file.
9. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully updated.

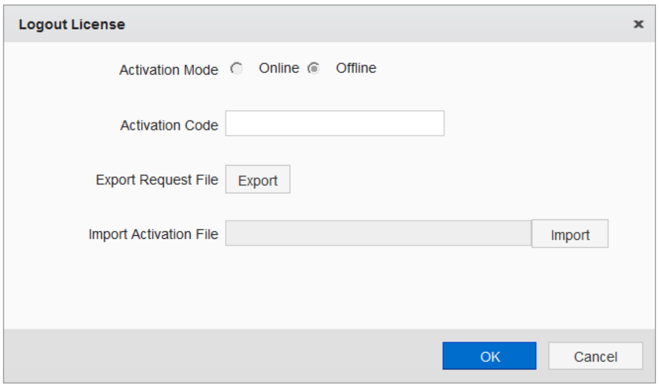
Logout

Purpose:

If you want to run the CMS on another PC or server, you should logout the License first and then activate the CMS again. You can also use the License to activate other CMS after you logout the License.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.
3. Click **Logout** and on the pop-up window, select the **Offline** radio button and enter the activation code received when you purchase your License.



Logout License

Activation Mode ○ Online ● Offline

Activation Code

Export Request File

Import Activation File

4. Click **Export** and save the request file to the proper directory or the removable storage medium (e.g., USB flash disk).
5. Copy the request file and the Offline License Activation Utility to the PC that can connect to the Internet.

   Note: If the PC accessing the iVMS-5200P via Web Manager can connect to the Internet, you can skip step 5.
6. Run the Offline License Activation Utility, click **Browse** to select the License Request Binary File and click **Browse** to set the name and saving path for the License Response Binary File.
7. Click **Send Request to Server** to generate the response file.
8. Save the response file to the proper directory of the PC that accesses the iVMS-5200P via Web Manager. In the License configuration window, click **Import** to import the response file.
9. Click **OK** to confirm logging out.
10. Click **Help** at the top right corner and click **License** to pop up the License configuration window again.
11. Enter the activation code and perform the step 4-9 to logout again to complete the logout operation. After successfully logging out, the "*Logout Succeeded*" will pop up. You can activate other CMS with the License.

4.2 Activating via Dongle

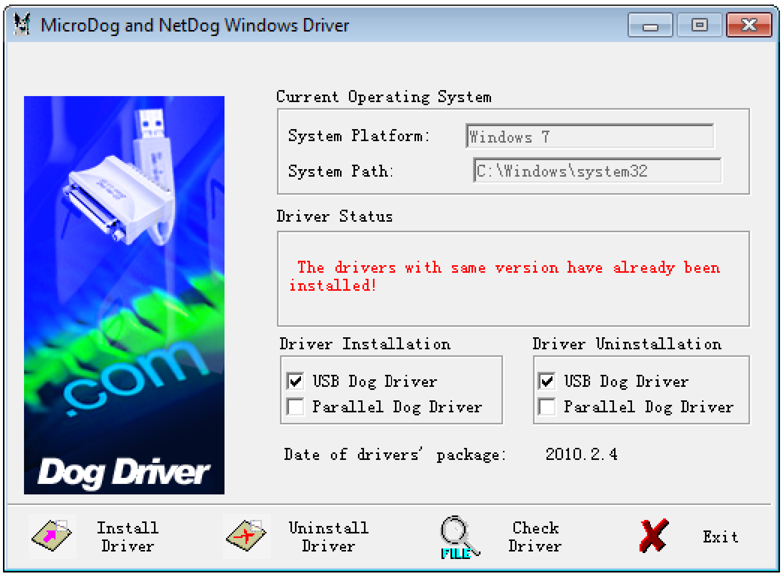
If you purchase the Dongle, you will get a USB Dongle Key and an activation file from HIKVISION. Please perform the following steps to activate the CMS.

Note: You will also get a USB Dongle Key driver from HIKVISION for installing the driver for the Dongle Key.

Steps:

1. Decompress the USB Dongle Key driver file and run **MicroDogInstdrv.exe** in the folder as administrator, select the installation type (USB Dog Driver or Parallel Dog Driver) and click **Install Driver** in the pop-up window to install the driver of the Dongle Key.

   Note: It is recommended to select USB Dog Driver as the installation type.



MicroDog and NetDog Windows Driver

Current Operating System

System Platform: Windows 7

System Path: C:\Windows\system32

Driver Status

The drivers with same version have already been installed!

Driver Installation

☑ USB Dog Driver

□ Parallel Dog Driver

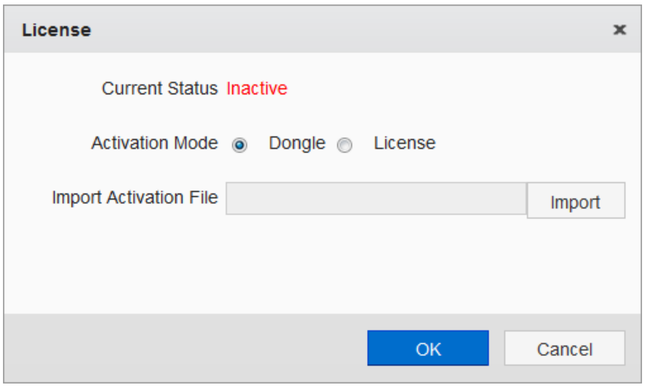
Driver Uninstallation

☑ USB Dog Driver

□ Parallel Dog Driver

Date of drivers' package: 2010.2.4

2. Insert the Dongle Key into the USB interface of your PC.
3. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
4. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.
5. Select the **Dongle** radio button and click **Import**.



License

Current Status Inactive

Activation Mode ● Dongle ○ License

Import Activation File

6. On the pop-up window, select the activation file received when you purchase your License and click **Open**.
7. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully activated.

Update

Purpose:

As your project grows, you may need to enlarge the connectable number of cameras for your iVMS-5200P. You can contact your dealer or our salesman to purchase additional features and then perform the following steps to update your CMS.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.

3. Click **Import** and on the pop-up window, select the new activation file received after you purchase additional features and click **Open**.
4. Click **OK** and the prompt "*Activated*" will pop up when the CMS is successfully updated.

Logout

Purpose:

If you want to run the CMS on another PC or server, you should logout the License first and then activate the CMS again. You can also use the License to activate other CMS after you logout the License.

Steps:

1. Log into the iVMS-5200P via Web Manager. Please refer to *Chapter 5.1 Open the Web Manager and Login*.
2. After successfully logging in, you enter the control panel of iVMS-5200 Web Manager. Click **Help** at the top right corner and click **License** to pop up the License configuration window.
3. Click **Logout**. After successfully logging out, the "*Logout Succeeded*" will pop up. You can activate other CMS with the License.

Chapter 5 Accessing the iVMS-5200P

5.1 Open the Web Manager and Login

Running Environment

- **Operating System:** Microsoft Windows 7 / Windows 8 / Windows 8.1 (32 / 64-bit)
- **CPU:** Intel Pentium IV 3.0 GHz or above
- **Memory:** 1G or above
- **Video Card:** RADEON X700 Series
- **Web Browser:** IE 8/9/10/11, Chrome 34/35, Firefox 28/29

Steps:

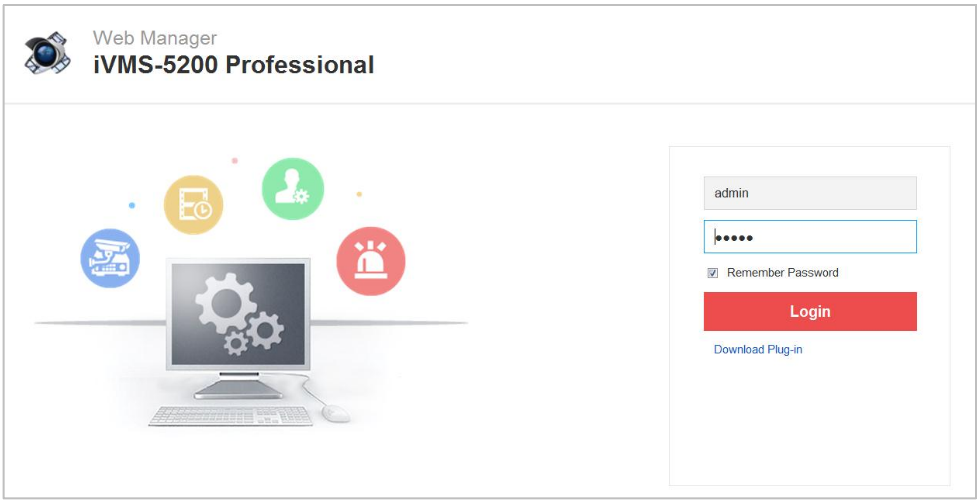
1. In the address bar of the web browser, input the address of the CMS (Central Management Server) and press the **Enter** key. A login window will pop up.

   Note: The address is in the format of http://IP address of CMS/manager.

   Example: If the IP address of CMS is 172.6.21.96, and you should enter ***http://172.6.21.96/manager*** in the address bar.
2. For the first time to login, you should install the plug-in before you can access the functions.
   1) Click **Download Plug-in**, save the plug-in file and then close the web browser.
   2) Install the plug-in according to the prompt.
   3) After the installation, re-open the web browser and log into the iVMS-5200P (step 1).
3. Input the user name and password of CMS. Optionally, check the checkbox of **Remember Password** to save the password.

   Notes:

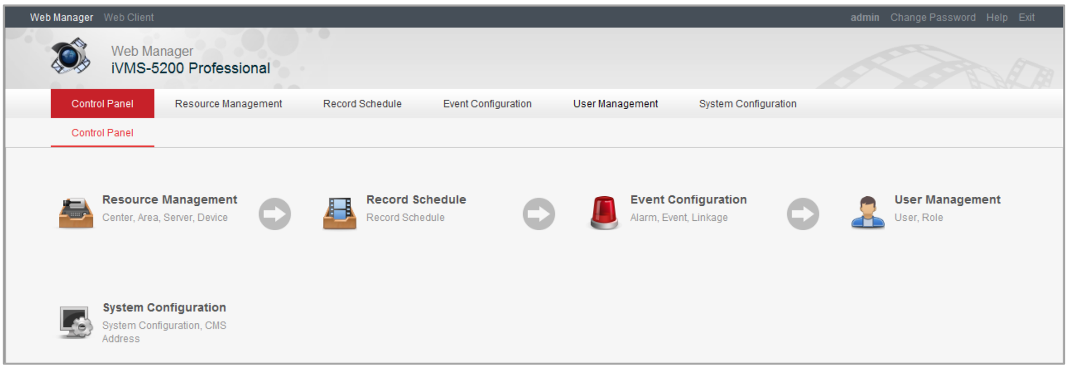
   - By default, the user name for login is ***admin*** and the password is ***12345***.
   - You are highly recommended to change the default password right after the first login to avoid safety problem.
4. Click **Login**.



5.2 Function Modules

After successfully logging in, you enter the control panel of iVMS-5200 Web Manager.

Note: You can click **Web Client** at the top left corner to switch to Web Client interface. For the operation about Web Client, please refer to the *User Manual of iVMS-5200 Control Client.*



The iVMS-5200 Web Manager is composed of the following function modules:

The Resource Management module provides the adding, modifying and deleting of areas and different devices, and the devices can be assigned to areas for management.

The Record Schedule module provides the schedule settings for recording.

The Event Configuration module provides the settings of arming schedule, alarm linkage actions and other parameters for different events of the camera, alarm inputs, encoding devices and servers.

The User Management module provides the adding, modifying and deleting of user and roles, and you are allowed to assign different roles for different users. The roles are assigned with different permissions.

The System Configuration module provides the configuration of NTP settings, email settings, IP address settings, etc.

The function modules are easily accessed by clicking the navigation buttons on the control panel or by clicking the corresponding tab.

You can achieve the following functions in the upper-right corner of the main page:

- Change password of the current login user.
- Click **Help** to download the help file and the log files of Watchdog, configure your license and check the information of iVMS-5200P.

Chapter 6 Resource Management

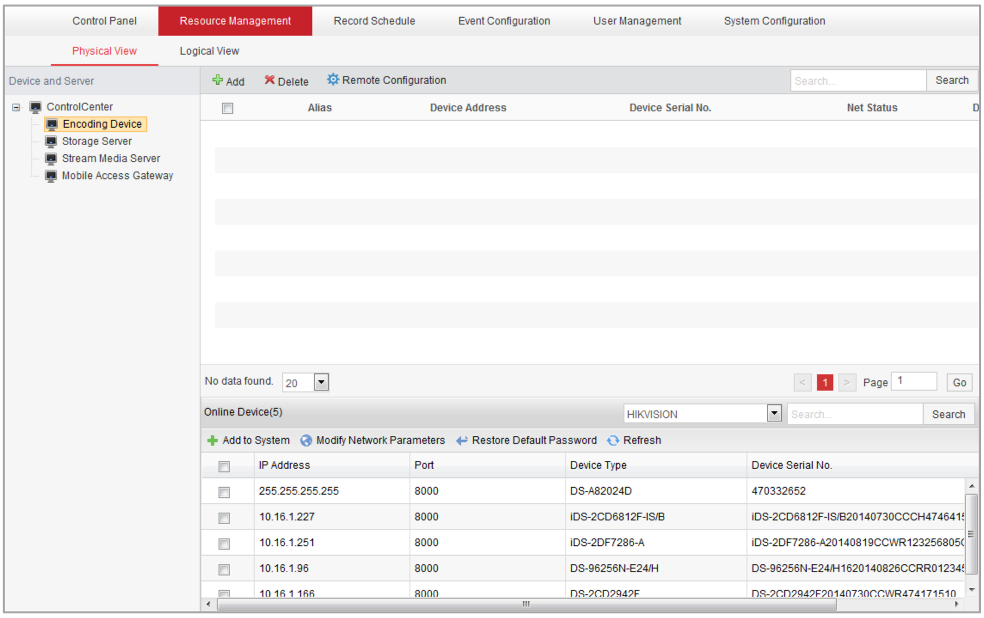
6.1 Adding the Encoding Device

Purpose:

Before you can live view, play back via the Control Client or set recording schedule, event configuration via Web Manager, you need to add devices to the iVMS-5200P and manage them by areas.

Click the icon on the control panel,

or click **Physical View** under **Resource Management** tab to open the Resource Management page.



□	IP Address	Port	Device Type	Device Serial No.
□	255.255.255.255	8000	DS-A82024D	470332652
□	10.16.1.227	8000	iDS-2CD6812F-IS/B	iDS-2CD6812F-IS/B20140730CCCH474641
□	10.16.1.251	8000	iDS-2DF7286-A	iDS-2DF7286-A20140819CCWR123256805
□	10.16.1.96	8000	DS-96256N-E24/H	DS-96256N-E24/H1620140826CCRR01234
□	10.16.1.166	8000	DS-2CD2942F	DS-2CD2942F20140730CCWR474171510

Two kinds of view are available for management: the Physical View provides the management of devices and servers; the Logical View provides the management of areas.

6.1.1 Adding Online Devices

Purpose:

The active online encoding devices in the same local subnet with the Web Manager will be displayed on a list. You can click the **Refresh** button to get the latest information of the online devices. You can also select protocol in the drop-down list, or input key word of the IP address and click **Search** to show the corresponding devices.

Steps:

1. Click the **Physical View** tab.
2. Click **Encoding Device** and check the checkbox of the device(s) to be added from the list.
3. Click **Add to System** to open the device adding dialog box.
4. Input the required information.

IP Address: Input the IP address of the device. The IP address of the device is obtained automatically in this adding mode.

Port: Input the device port No.. The default value is *8000*.

Alias: Edit a name for the device as desired.

User Name: Input the user name of the device. By default, the user name is *admin*.

Password: Input the password of the device. By default, the password is *12345*.

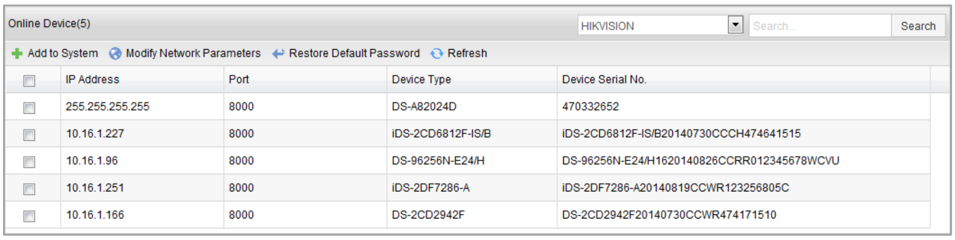
Export to Area (Optional): Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.

Superior: Select the parent area for the newly created area.

Stream Media Server: Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the Server*.

Note: If multiple devices are selected, only User Name, Password, Export to Area, Superior and Stream Media Server are available in the pop-up dialog box.

5. Click **Save** to add the device(s).



Online Device(5)

HIKVISION ▾ Search... Search

Add to System Modify Network Parameters Restore Default Password Refresh

□	IP Address	Port	Device Type	Device Serial No.
□	255.255.255.255	8000	DS-A82024D	470332652
□	10.16.1.227	8000	iDS-2CD6812F-IS/B	iDS-2CD6812F-IS/B20140730CCCH474641515
□	10.16.1.96	8000	DS-96256N-E24/H	DS-96256N-E24/H1620140826CCRR012345678WCVU
□	10.16.1.251	8000	iDS-2DF7286-A	iDS-2DF7286-A20140819CCWR123256805C
□	10.16.1.166	8000	DS-2CD2942F	DS-2CD2942F20140730CCWR474171510

Modify Network Information

Select a device from the list, and click **Modify Network Parameters** to edit the network information of the selected device.

Note: The password refers to the admin password of the device.

Restore Default Password

Select the device from the list, click **Restore Default Password**, input the security code, and then you can restore the default password of the selected device.

Note: The default admin password of the device is 12345, and the security code is returned after you send the date and serial No. of the device to the manufacturer.

6.1.2 Adding Devices by IP Address

Steps:

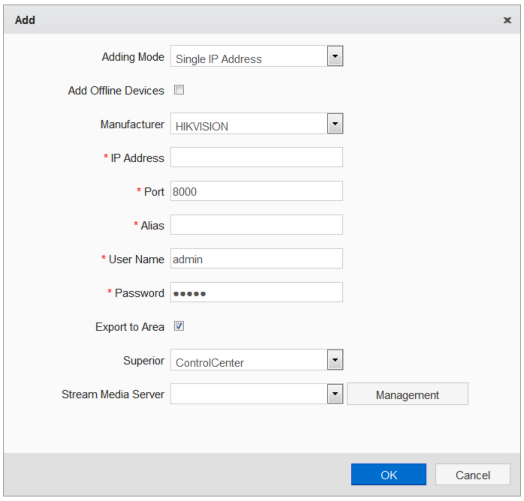
1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to activate the device adding dialog box.
3. Select **Single IP Address** as the adding mode.
4. Input the required information.

- **Add Offline Devices (Optional):** If you check this checkbox, when the offline device comes online, the software will connect it automatically. Input the analog camera number, alarm input number and alarm output number of the device.

Note: When the checkbox of **Add Offline Devices** is checked, the analog camera number, alarm input number and alarm output number items are available.

- **Manufacturer (Optional):** Select the manufacturer of the device. If you select third-party device, only adding offline devices is available.
- **IP Address:** Input the IP address of the device.
- **Port:** Input the port No. of the device. By default, it's 8000.
- **Alias:** Edit a name for the device as desired.
- **User Name:** Input the user name of the device.
- **Password:** Input the password of the device.
- **Export to Area (Optional)**: Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.
- **Superior:** Select the parent area for the newly created area.
- **Stream Media Server:** Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the Server*.

5. Click **OK** to add the device.



Add

Adding Mode: Single IP Address

Add Offline Devices □

Manufacturer: HIKVISION

* IP Address:

* Port: 8000

* Alias:

* User Name: admin

* Password: ●●●●●

Export to Area ☑

Superior: ControlCenter

Stream Media Server:

6.1.3 Adding Devices by IP Segment

Steps:

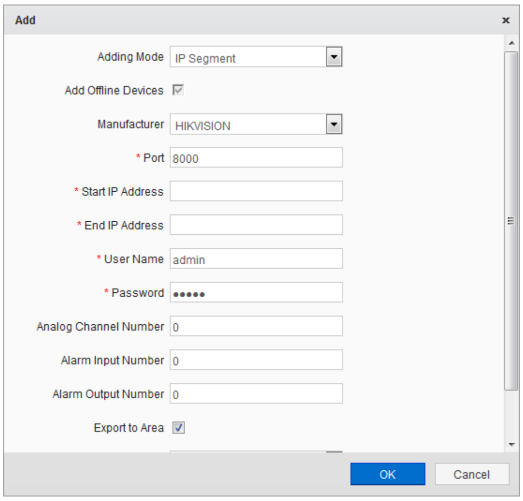
1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to activate the device adding dialog box.
3. Select **IP Segment** as the adding mode.
4. Input the required information.

- **Manufacturer (Optional):** Select the manufacturer of the devices.
- **Port:** Input the port No. of the devices. By default, it's 8000.
- **Start IP Address:** Input the start address of the IP segment.
- **End IP Address:** Input the end address of the IP segment.
- **User Name:** Input the user name of the device.
- **Password:** Input the password of the device.
- **Analog Channel Number / Alarm Input Number / Alarm Output Number (Optional)**: Input

the analog camera number, alarm input number and alarm output number of the device.

- **Export to Area (Optional)**: Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.
- **Superior:** Select the parent area for the newly created area.
- **Stream Media Server:** Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the Server*.

5. Click **OK**, and the device of which the IP address is between the start IP address and end IP address will be added to the device list.



Add ×

Adding Mode: IP Segment

Add Offline Devices ☑

Manufacturer: HIKVISION

* Port: 8000

* Start IP Address:

* End IP Address:

* User Name: admin

* Password: •••••

Analog Channel Number: 0

Alarm Input Number: 0

Alarm Output Number: 0

Export to Area ☑

OK Cancel

6.1.4 Adding Devices by Port Segment

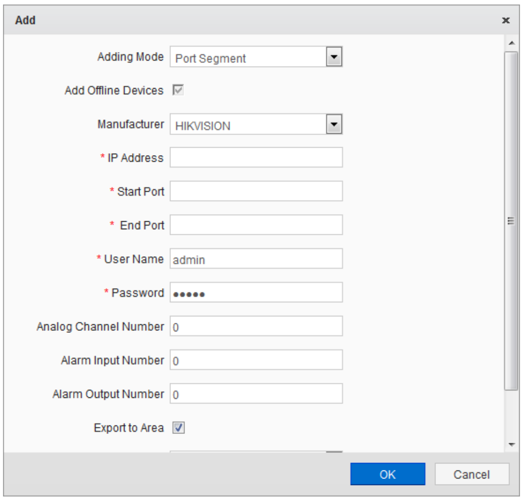
Steps:

1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to activate the device adding dialog box.
3. Select **Port Segment** as the adding mode.
4. Input the required information.

- **Manufacturer (Optional):** Select the manufacturer of the devices.
- **IP Address:** Input the IP address of the device.
- **Start Port No.:** Input the start port No. of the port segment.
- **End Port No.:** Input the end port No. of the port segment.
- **User Name:** Input the user name of the device.
- **Password:** Input the password of the device.
- **Analog Channel Number / Alarm Input Number / Alarm Output Number (Optional)**: Input the analog camera number, alarm input number and alarm output number of the device.
- **Export to Area (Optional)**: Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.
- **Superior:** Select the parent area for the newly created area.

- **Stream Media Server:** Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the Server*.

5. Click **OK**, and the device of which the port No. is between the start port No. and end port No. will be added to the device list.



Adding Mode: Port Segment

Add Offline Devices ☑

Manufacturer: HIKVISION

* IP Address:

* Start Port:

* End Port:

* User Name: admin

* Password: •••••

Analog Channel Number: 0

Alarm Input Number: 0

Alarm Output Number: 0

Export to Area ☑

6.1.5 Adding Devices by HiDDNS

Steps:

1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to activate the device adding dialog box.
3. Select **HiDDNS** as the adding mode.
4. Input the required information.

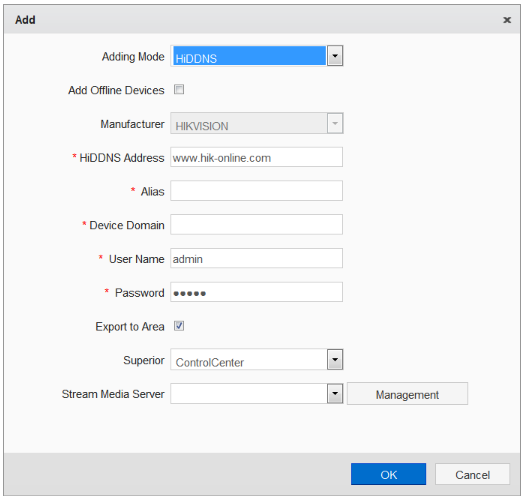
- **Add Offline Devices (Optional):** If you check this checkbox, when the offline device comes online, the software will connect it automatically. Input the analog camera number, alarm input number and alarm output number of the device.

Note: When the checkbox of **Add Offline Devices** is checked, the analog camera number, alarm input number and alarm output number items are available.

- **HiDDNS Address:** Input the HiDDNS server address.
- **Alias:** Edit a name for the device as desired.
- **Device Domain:** Input the device domain name registered on HiDDNS server.
- **User Name:** Input the user name of the device.
- **Password:** Input the password of the device.
- **Export to Area (Optional)**: Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.
- **Superior:** Select the parent area for the newly created area.
- **Stream Media Server:** Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the*

Server.

5. Click **OK** to add the device.



Add ×

Adding Mode: HiDDNS

Add Offline Devices □

Manufacturer: HIKVISION

* HiDDNS Address: www.hik-online.com

* Alias:

* Device Domain:

* User Name: admin

* Password: •••••

Export to Area ☑

Superior: ControlCenter

Stream Media Server: Management

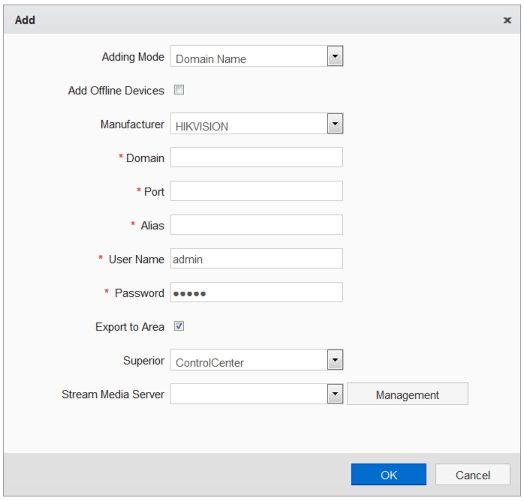
OK Cancel

6.1.6 Adding Devices by Domain Name

Steps:

1. Click the **Physical View** tab.
2. Click **Encoding Device** and click **Add** to activate the device adding dialog box.
3. Select **Single IP Address** as the adding mode.
4. Input the required information.
   - **Add Offline Devices (Optional):** If you check this checkbox, when the offline device comes online, the software will connect it automatically. Input the analog camera number, alarm input number and alarm output number of the device.

     Note: When the checkbox of **Add Offline Devices** is checked, the analog camera number, alarm input number and alarm output number items are available.
   - **Manufacturer (Optional):** Select the manufacturer of the device. If you select third-party device, only adding offline devices is available.
   - **Domain:** Input the domain name of the device.
   - **Port:** Input the port No. of the device. By default, it's 8000.
   - **Alias:** Edit a name for the device as desired.
   - **User Name:** Input the user name of the device.
   - **Password:** Input the password of the device.
   - **Export to Area (Optional)**: Check the checkbox to create an area by the device alias. All the cameras, alarm inputs, alarm outputs and access control of the device will be added to the area by default.
   - **Superior:** Select the parent area for the newly created area.
   - **Stream Media Server:** Select the IP address of the stream media server to get the video stream of a camera via the server. (Optional) If no server has been added to the iVMS-5200P, you can click **Management** to add one. For details, please refer to *Chapter 6.3 Adding the Server*.
5. Click **OK** to add the device.



Add

Adding Mode: Domain Name

Add Offline Devices: □

Manufacturer: HIKVISION

* Domain:

* Port:

* Alias:

* User Name: admin

* Password: •••••

Export to Area: ☑

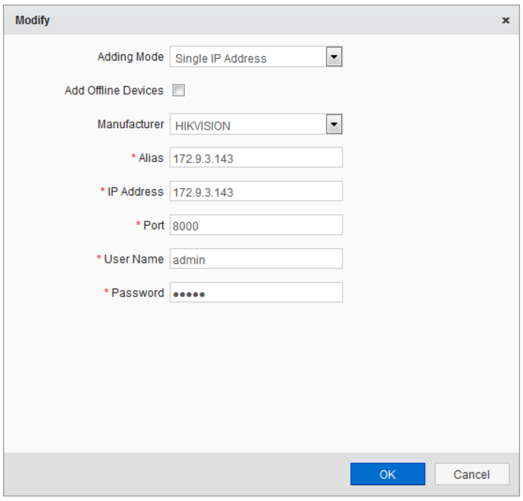
Superior: ControlCenter

Stream Media Server:

The devices will be displayed on the device list for management after added successfully. You can check the network status, camera number, and other information of the added devices on the list.

You can also input the device name in the filter field for search.

Click the **Alias** field of the device and you can edit the information of the device.



Modify

Adding Mode: Single IP Address

Add Offline Devices: □

Manufacturer: HIKVISION

* Alias: 172.9.3.143

* IP Address: 172.9.3.143

* Port: 8000

* User Name: admin

* Password: •••••

Select the device(s) from the list and click **Delete** to remove the selected device(s).

Select a device from the list, click **Remote Configuration**, and then you can perform some remote configurations of the selected device if needed.

6.2 Adding the Behavior Analysis Server

Purpose:

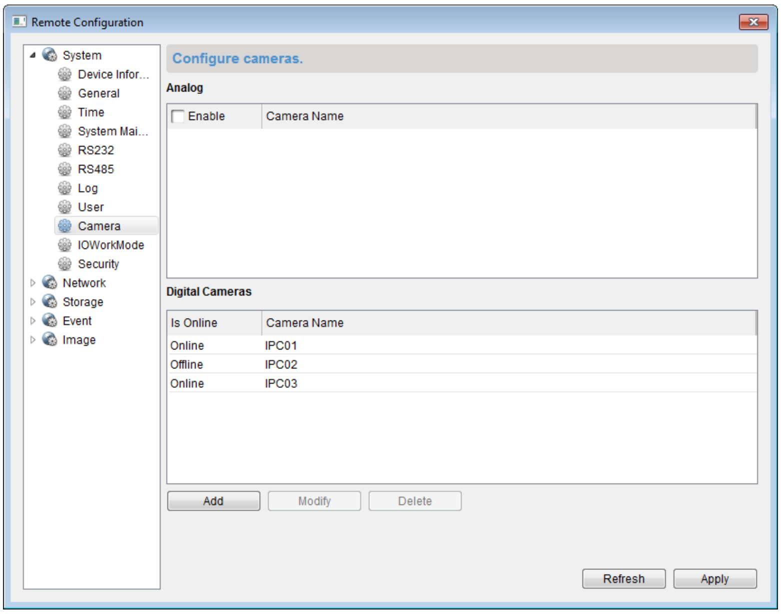
You can add network cameras to the Behavior Analysis server and the added device can be assigned with the function of line crossing and intrusion detection. For the configuration of line crossing and intrusion detection, please refer to *Chapter 8.2 Configuring Line Crossing Detection* and *Chapter 8.3 Configuring Intrusion Detection.*

Steps:

1. Add the Behavior Analysis server to iVMS-5200P. Please refer to *Chapter 6.1.2 Adding Devices by IP Address* for detailed configuration.

Note: The IP address of Behavior Analysis server refers to the IP address of the PC or server that installs the Behavior Analysis module.

2. Check the checkbox to select the Behavior Analysis server and click **Remote Configuration** to activate the Remote Configuration interface.
3. Click **Camera** under **System** on the left panel of the interface to add the network camera.



Configure cameras.

Analog

□ Enable	Camera Name

Digital Cameras

Is Online	Camera Name
Online	IPC01
Offline	IPC02
Online	IPC03

4. Click **Add** to pop up the dialog box of adding the network camera.
5. Set the corresponding parameters and click **Next Page** to set the IP camera No. for linking to the camera.
6. Click **Save** to finish adding the network camera.
7. You can repeat the step 4-6 to add other network cameras and up to 32 cameras can be added.

   Note: You can select the device and click **Modify** to edit it, or **Delete** to remove the camera.
8. Click **Apply** to save the settings and click **Refresh** to get the latest status of the cameras.

6.3 Adding the Server

Purpose:

You can add the server to the iVMS-5200P, including SS (Storage Server), SMS (Stream Media Server), and MAG (Mobile Access Gateway).

Steps:

1. Click the **Physical View** tab.
2. Click a server type on the left panel and click **Add** to activate the server adding dialog box.
3. Input the required information.
   - **IP Address:** Input the IP address of the server.
   - **Alias:** Edit a name for the device as desired.
   - **CMS IP:** Select the IP address of CMS (Central Management Server). The CMS may have two IP addresses. If the server is in the same subnet with the CMS, select the internal IP address of CMS. If not, please select the external IP address. For detailed information, please refer to *Chapter 10.4 CMP IP Address Settings*.

   Note: The ports of different servers have default value entered. If the port No. is changed, you can enter the new value.

4. Click **OK** to add the server.

The servers will be displayed on the server list for management after added successfully. You can check the related information of the added servers on the list.

You can also input the server name in the filter field for search.

Click the **Alias** field of the server and you can edit the information of the server.

Select the server(s) from the list, and click **Delete** to remove the selected server(s).

6.4 Area Management

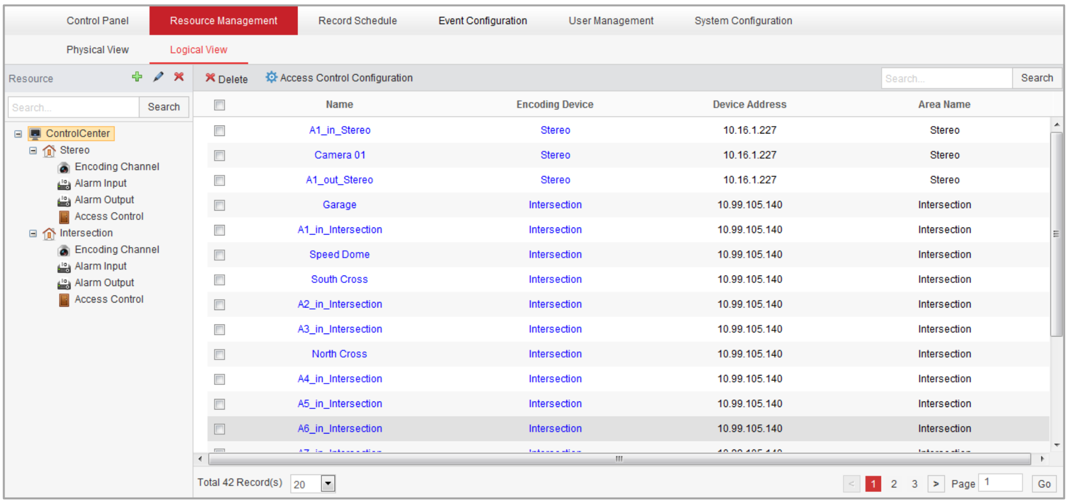
Purpose:

The devices added should be organized into areas for convenient management. You can get the live view, play back the record files, and do some other operations of the devices after managing devices by areas.

Before you start:

Devices need to be added to the iVMS-5200P for area management.

Click the **Logical View** tab to enter the Area Management interface.



□	Name	Encoding Device	Device Address	Area Name
□	A1_in_Stereo	Stereo	10.16.1.227	Stereo
□	Camera 01	Stereo	10.16.1.227	Stereo
□	A1_out_Stereo	Stereo	10.16.1.227	Stereo
□	Garage	Intersection	10.99.105.140	Intersection
□	A1_in_Intersection	Intersection	10.99.105.140	Intersection
□	Speed Dome	Intersection	10.99.105.140	Intersection
□	South Cross	Intersection	10.99.105.140	Intersection
□	A2_in_Intersection	Intersection	10.99.105.140	Intersection
□	A3_in_Intersection	Intersection	10.99.105.140	Intersection
□	North Cross	Intersection	10.99.105.140	Intersection
□	A4_in_Intersection	Intersection	10.99.105.140	Intersection
□	A5_in_Intersection	Intersection	10.99.105.140	Intersection
□	A6_in_Intersection	Intersection	10.99.105.140	Intersection

Total 42 Record(s) 20

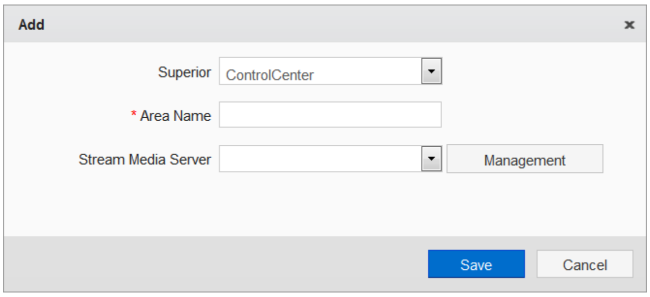
< 1 2 3 > Page 1 Go

Adding the Area

Steps:

1. Click ✚ to open the Add Area dialog box.
2. Select the parent area in the **Superior** drop-down list.
3. Input an area name as you want. Optionally, you can select a stream media server for the area to get the the video stream of the cameras belonging to this area via the server.
4. Click **Save** to add the new area.

   You can also select an area and click ✎ to edit the area.



Add

Superior: ControlCenter

* Area Name:

Stream Media Server:

Adding Camera / Alarm Input / Alarm Output / Access Control to Area

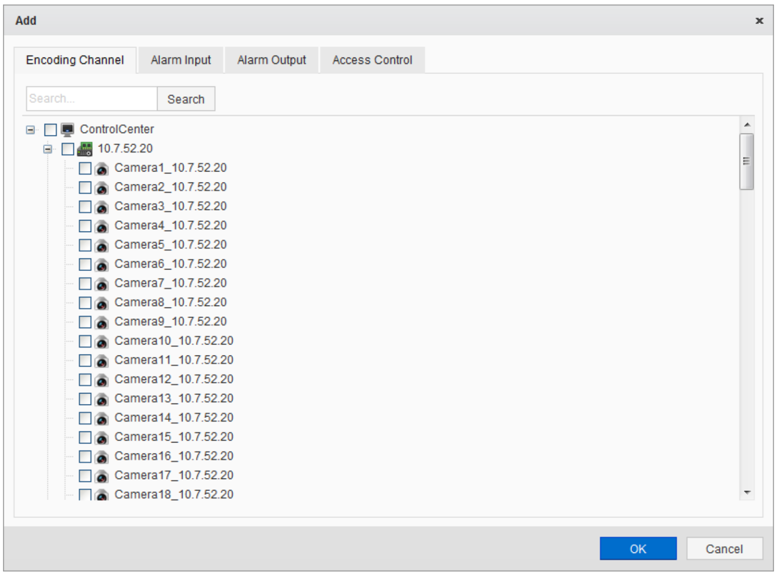
Steps:

1. In the area tree panel, click to select an area.
2. Click **Add** and a dialog box pops up.
3. Click the corresponding tab to add the camera(s), alarm input(s), alarm output(s) or access control device(s) to the area.

   Note: You can input the key word in the text filed and click **Search** to find the required device, camera, alarm input, alarm output or access control.
4. Click **OK** to confirm the settings.

Notes:

- Up to 64 cameras can be added to one area.
- A camera, alarm input, alarm output or access control can only be added to one area.



Add

Encoding Channel | Alarm Input | Alarm Output | Access Control

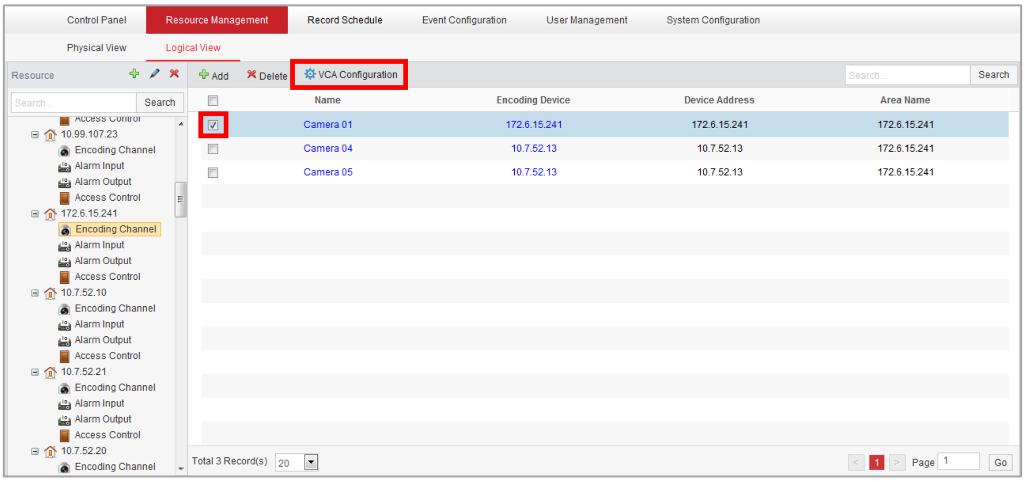
Search...

- □ ControlCenter
  - □ 10.7.52.20
    - □ Camera1_10.7.52.20
    - □ Camera2_10.7.52.20
    - □ Camera3_10.7.52.20
    - □ Camera4_10.7.52.20
    - □ Camera5_10.7.52.20
    - □ Camera6_10.7.52.20
    - □ Camera7_10.7.52.20
    - □ Camera8_10.7.52.20
    - □ Camera9_10.7.52.20
    - □ Camera10_10.7.52.20
    - □ Camera11_10.7.52.20
    - □ Camera12_10.7.52.20
    - □ Camera13_10.7.52.20
    - □ Camera14_10.7.52.20
    - □ Camera15_10.7.52.20
    - □ Camera16_10.7.52.20
    - □ Camera17_10.7.52.20
    - □ Camera18_10.7.52.20

For the camera with VCA function, you can set the VCA configuration for the camera.

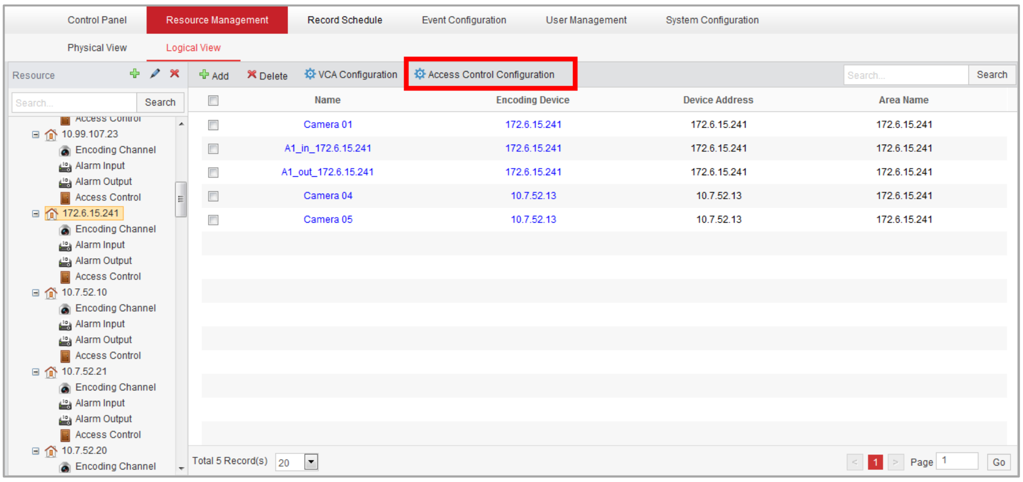
Note: For the device models that support VCA function or access control, please contact our salesman.

Click to select a camera and click **VCA Configuration** to pop up the VCA Configuration interface. You can configure the VCA settings and VCA rules for the camera. For detailed settings, please refer to the User Manual of the device.



□	Name	Encoding Device	Device Address	Area Name
☑	Camera 01	172.6.15.241	172.6.15.241	172.6.15.241
□	Camera 04	10.7.52.13	10.7.52.13	172.6.15.241
□	Camera 05	10.7.52.13	10.7.52.13	172.6.15.241

The access control configuration is provided by iVMS-5200P, you can click **Access Control Configuration** to activate the client software of access control. For detailed access control settings, please refer to the *User Manual of the Access Control System*.



□	Name	Encoding Device	Device Address	Area Name
□	Camera 01	172.6.15.241	172.6.15.241	172.6.15.241
□	A1_in_172.6.15.241	172.6.15.241	172.6.15.241	172.6.15.241
□	A1_out_172.6.15.241	172.6.15.241	172.6.15.241	172.6.15.241
□	Camera 04	10.7.52.13	10.7.52.13	172.6.15.241
□	Camera 05	10.7.52.13	10.7.52.13	172.6.15.241

Editing the Camera / Alarm Input / Alarm Output

Steps:

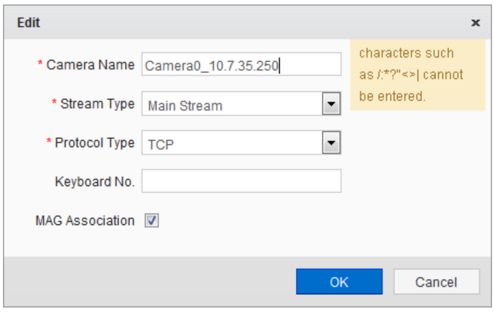
1. Click the field of the Name column to activate the Edit dialog box.
2. Edit the corresponding information.

   For camera: You can edit the name, stream type, protocol type, keyboard No. (optional) and MAG association (optional).

   - Keyboard No.: Set a unique number for corresponding to the keyboard.
   - MAG Association: If you want to set the image quality of the live view as Fluent when live view via iVMS-5260 Mobile Client, the MAG (Mobile Access Gateway) server needs to be configured.

   For alarm input and alarm output: You can edit the name of the alarm input / output.
3. Click **OK** to save the new settings.

   You can also click the field of Encoding Device column to check the details of the device.



* Camera Name: Camera0_10.7.35.250

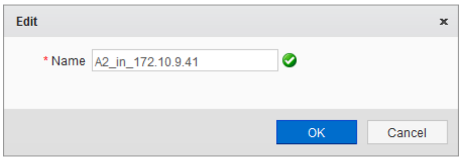
characters such as /:*?"<>| cannot be entered.

* Stream Type: Main Stream

* Protocol Type: TCP

Keyboard No.:

MAG Association ☑



* Name: A2_in_172.10.9.41 ✓

Removing Camera / Alarm Input / Alarm Output / Access Control from the Area

Steps:

1. Select an area, and the cameras, alarm inputs, alarm outputs and access control devices belonging to the area display.
2. Select the item(s) and click **Delete** to remove the item(s) from the area.

Deleting the Area

Steps:

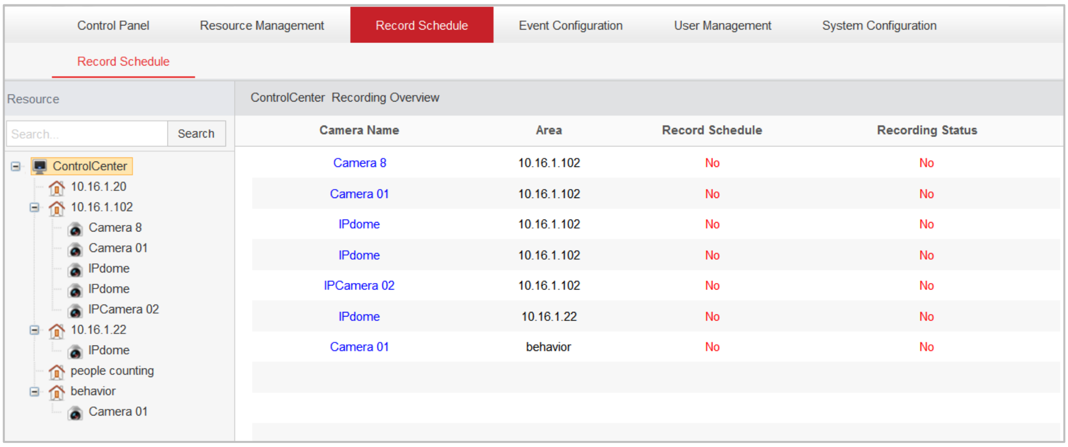
1. Select the area on the area tree panel.
2. Click ✖ and the selected area will be deleted.

Chapter 7 Record Schedule Settings

When there are video storage devices (e.g., HDDs, Net HDDs, SD/SDHC cards) on the local device, or the storage server is available, you can set the record schedule of the cameras for the continuous, alarm triggered or command triggered recording.

Click the icon on the control panel,

or click **Record Schedule** tab to open the Record Schedule page.



ControlCenter Recording Overview

Camera Name	Area	Record Schedule	Recording Status
Camera 8	10.16.1.102	No	No
Camera 01	10.16.1.102	No	No
IPdome	10.16.1.102	No	No
IPdome	10.16.1.102	No	No
IPCamera 02	10.16.1.102	No	No
IPdome	10.16.1.22	No	No
Camera 01	behavior	No	No

7.1 Recording on Storage Devices of the Encoding Device

Purpose:

Some local devices, including the DVRs, NVRs, and Network Cameras, provide storage devices such as the HDDs, Net HDDs and SD/SDHC cards for record files. You can set a record schedule for the cameras of the local devices.

Before you start:

The newly installed storage devices need to be formatted. Go to the remote configuration page (**Resource Management -> Physical View -> Remote Configuration**) of the device, click **Storage**->**General**, select the HDD, Net HDD or SD/SDHC card, and click **Format** to initialize the selected storage device.

Steps:

1. Open the Record Schedule page.
2. Select the camera in the camera list or in the area tree panel.
3. Check the checkbox **Enable Record Schedule** under Device Record Schedule to enable device local recording.
4. Select the record schedule template from the drop-down list.

   All-day Template: All-day continuous recording whole week.

   Weekday Template: All-day continuous recording from Monday to Friday.

Weekend Template: All-day continuous recording from Saturday to Sunday.

Recording Template 01-08: You can edit the templates as desired.

If you need to edit or customize the template, see *Chapter 7.1.1 Configuring Record Schedule Template.*

5. Optionally, click **Copy to** to copy the record schedule settings to other cameras.
6. Click **Save** to save the settings.

7.1.1 Configuring Record Schedule Template

Perform the following steps to configure the record schedule template:

Steps:

1. Click **Edit Template** to enter the Record Schedule Templates interface. Select the template (Recording Template 01-08) to be set and you can edit the template name.
2. Click the recording type button and then click-and-drag on the time bar to set the time schedule.

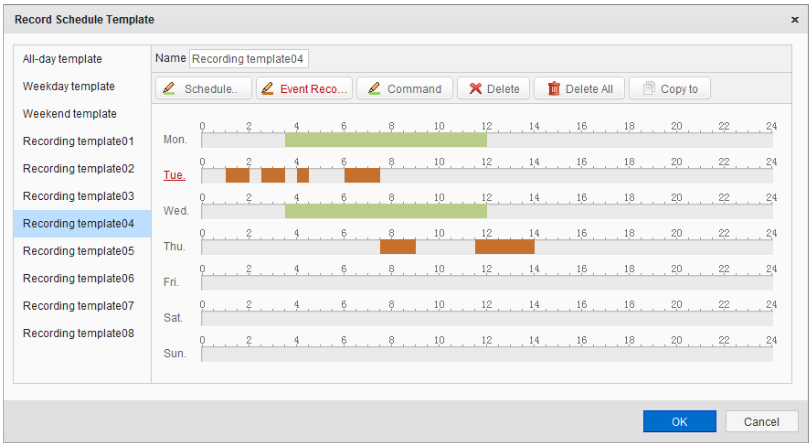
   Schedule.. refers to continuous recording. The schedule time bar is marked with 🟩.

   Event Reco... refers to the recording triggered by the event (e.g., alarm input or motion detection). The schedule time bar is marked with 🟧.

   Command refers to the recording triggered by command. The schedule time bar is marked with 🟩.

   Note: Recording triggered by command is only available for the ATM transactions when the ATM DVR is added to iVMS-5200P.
3. Optionally, you can select the schedule time period, and then click **Delete** to delete the selected time period, or click the **Delete All** to delete all the time periods. You can click **Copy to** to copy the time bar settings to other dates.
4. Click **OK** to save the settings.

Note: Up to 4 time periods can be set for each day in the record schedule.


Name Recording template04

7.2 Recording on Storage Server

Purpose:

The storage server performs as a NVR installed on the server. The record files and captured pictures can be stored in the storage server.

Before you start:

At least one available storage server has been added to the iVMS-5200P. When installing the iVMS-5200P, check the checkbox **Storage Server** to enable the installation of Storage Server.

For adding the Storage Server, please refer to *Chapter 6.3 Adding the Server*.

Steps:

1. Open the Record Schedule page.
2. Select the camera in the camera list or in the area tree panel.
3. Check the checkbox **Enable Record Schedule** under Storage Server Record Schedule to enable recording on storage server.
4. Select the record schedule template from the drop-down list.

   If you need to edit the template, see *Chapter 7.1.1 Configuring Record Schedule Template.*
5. Select the storage server from the drop-down list. If you want to add / delete the storage server, click **Management**. For detailed configuration, please refer to *Chapter 6.3 Adding the Server*.
6. Select the stream type for recording from the drop-down list.

   Note: For configuration of Storage Server, please refer to *Chapter 11.3 How to Allocate Storage Space for Storage Server*.
7. Optionally, you can check the checkbox **Obtain Video Stream via Stream Media Server** to get the video stream of the camera via stream media server for recording.

   Note: A SMS should be added properly. Please refer to *Chapter 6.3 Adding the Server* for adding the SMS.
8. Check the checkbox **Enable** under Picture Storage to enable uploading the alarm pictures to SS.

   Note: The function of uploading alarm pictures to SS should be supported by the device. Please contact your dealer or our salesman to get the list of the supported devices. The following configuration should be done to enable this function

   1) Set the event configuration via the Web Manager. Please refer to *Chapter 8.1 Configuring Camera Exception Alarm*. The **Notify Surveillance Center** for the VCA picture and **Notify Surveillance Center** for the event should be enabled when configuring the alarm settings to enable uploading the alarm pictures to SS.
   2) View the alarm pictures. Please enter the Alarm Center interface of the Control Client to check the alarm pictures that are uploaded to the SS. For details, please refer to the *User Manual of iVMS-5200 Control Client*.
9. Select the storage server from the drop-down list.
10. Optionally, click **Copy to** to copy the record schedule settings to other cameras.
11. Click **Save** to save the settings.

Chapter 8 Event Configuration

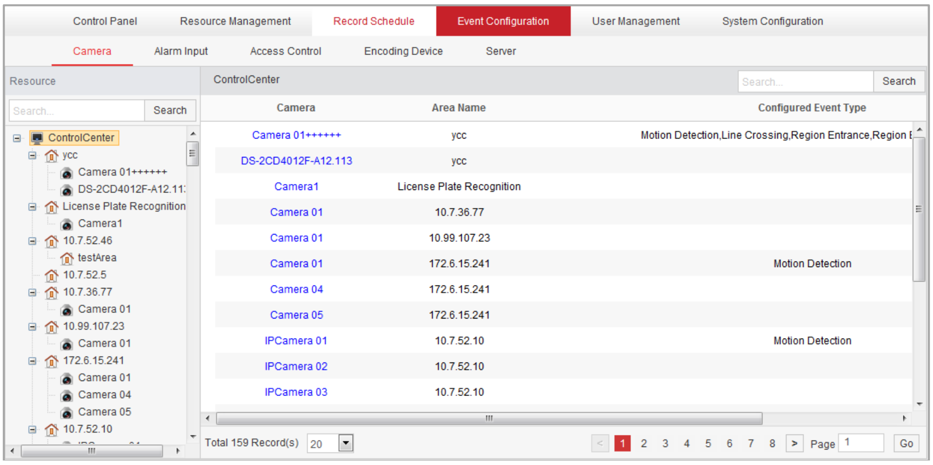
Purpose:

In iVMS-5200 Web Manager, you can assign linkage actions to the event by setting up a rule. For example, when motion is detected, an audible warning appears or other linkage actions happen.

The alarm information of the events can be received by the iVMS-5200 Control Client. For detailed information about checking the alarm information, please refer to the *User Manual of iVMS-5200 Control Client*.

Click the 🚨 icon on the control panel,

or click **Camera** under **Event Configuration** to open the Event Configuration page.



Camera	Area Name	Configured Event Type
Camera 01++++++	ycc	Motion Detection,Line Crossing,Region Entrance,Region E
DS-2CD4012F-A12.113	ycc	
Camera1	License Plate Recognition	
Camera 01	10.7.36.77	
Camera 01	10.99.107.23	
Camera 01	172.6.15.241	Motion Detection
Camera 04	172.6.15.241	
Camera 05	172.6.15.241	
IPCamera 01	10.7.52.10	Motion Detection
IPCamera 02	10.7.52.10	
IPCamera 03	10.7.52.10	

Total 159 Record(s) 20

You can set different linkage actions for the following events:

- Camera Exception
- Alarm Input
- Access Control
- Encoding Device Exception
- Server Exception

Note: Camera exception refers to the video exception or the events detected in the monitoring area of the camera, such as motion detection, video loss, line crossing, etc.

8.1 Configuring Camera Exception Alarm

Note: The camera exception types vary according to the connected device. Here we take the introduction of motion detection settings as an example. For the settings of other exception types, please refer to the *User Manual* of the connected devices.

Purpose:

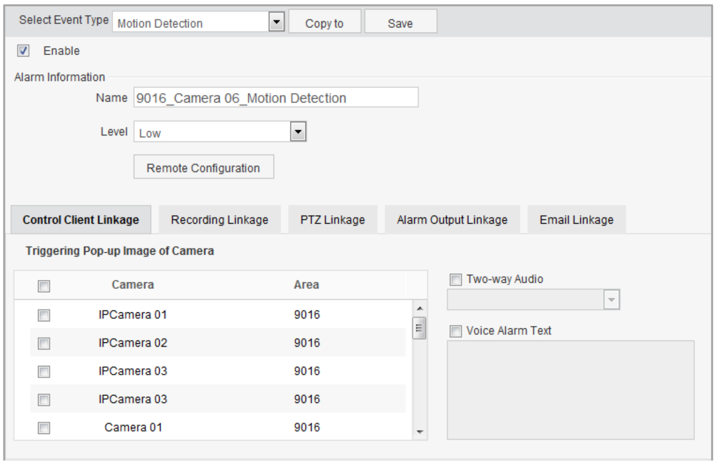
A motion detection alarm is triggered when the camera detects motion within its defined area. The linkage actions, such as Control Client linkage, recording linkage and alarm output linkage, can be set.

Steps:

1. Select **Camera** under the Event Configuration tab.

2. In the area tree panel, select the camera to be configured and select **Motion Detection** as the event type.
3. Check the checkbox **Enable** to enable the function of motion detection.
4. Edit the name for the event, and select the alarm level according to actual needs.
5. Click **Remote Configuration** and set the parameters for motion detection (Event>Motion Detection) in the pop-up interface.

   Note: For detailed configuration, please refer to the *User Manual* of the device.
6. Check the checkboxes to enable the linkage actions. For details, see *Table 8.1 Linkage Actions for Motion Detection Alarm*.
7. Optionally, click **Copy to…** to copy the event parameters to other cameras.
8. Click **Save** to save the settings.



Select Event Type: Motion Detection

☑ Enable

Alarm Information

Name: 9016_Camera 06_Motion Detection

Level: Low

Triggering Pop-up Image of Camera

□	Camera	Area
□	IPCamera 01	9016
□	IPCamera 02	9016
□	IPCamera 03	9016
□	IPCamera 03	9016
□	Camera 01	9016

□ Two-way Audio

□ Voice Alarm Text

Table 8.1 Linkage Actions for Motion Detection Alarm

Linkage Type	Linkage Actions	Descriptions
Control Client Linkage	**Triggering Pop-up Image of Camera**	The live video of the selected camera(s) pops up when alarm is triggered.
	Two-way Audio	Enable two-way audio between the Control Client and the selected camera when alarm is triggered.
	Voice Alarm Text	Set the voice text for playing on the PC when alarm is triggered. ***Note:*** You should set voice engine as the alarm sound on Local Configuration page of Control Client.
Recording Linkage	**Camera Record**	Start the recording of the selected camera(s) on the chosen storage location when alarm is triggered. ***Note:*** Before you can select the camera(s), you must configure the record schedule for the camera(s) on Record Schedule page. For details, please refer to *Chapter 7 Record Schedule Settings*.
PTZ Linkage	**PTZ Linkage**	Trigger to call the preset, patrol or pattern of the selected camera(s) when alarm is triggered.
Alarm Output Linkage	**Alarm Output Linkage**	Select the alarm output and the external device connected can be activated when alarm is triggered.

Email Linkage	**Email Linkage**	Send an Email notification of the alarm information to one or more receivers. ***Notes:*** ● Only the users that are configured with email are available in the pop-up window when you click **Receiver**. For configuring users, please refer to *Chapter 9.2 User Management*. ● You should configure the email settings for the system in System Configuration page. For details, please refer to *Chapter 10.3 Email Settings*.

8.2 Configuring Line Crossing Detection

Note: This chapter is only available for the cameras of Behavior Analysis server. For adding the Behavior Analysis server, please refer to *Chapter 6.2 Adding the Behavior Analysis Server*.

Purpose:

This function can be used for detecting people, vehicles and objects crossing a pre-defined area. The line crossing direction can be set as bidirectional, from left to right or from right to left. And a series of linkage method will be triggered if any object is detected.

Steps:

1. Select **Camera** under the Event Configuration tab.
2. In the area tree panel, select the camera of Behavior Analysis server to be configured and select **Line Crossing Detection** as the event type.
3. Check the checkbox **Enable** to enable the function of motion detection.
4. Edit the name for the event, and select the alarm level according to actual needs.
5. Click **Remote Configuration** and set the parameters for line crossing detection (Event>Line Crossing Detection) in the pop-up interface.
   1) Check the **Enable Line Crossing Detection** checkbox.
   2) Select the virtual line ID and up to 4 lines can be configured.
   3) And you can select the directions as A<->B, A ->B, and B->A.

      •**A<->B**: Only the arrow on the B side shows; when an object going across the plane with both direction can be detected and alarms are triggered.

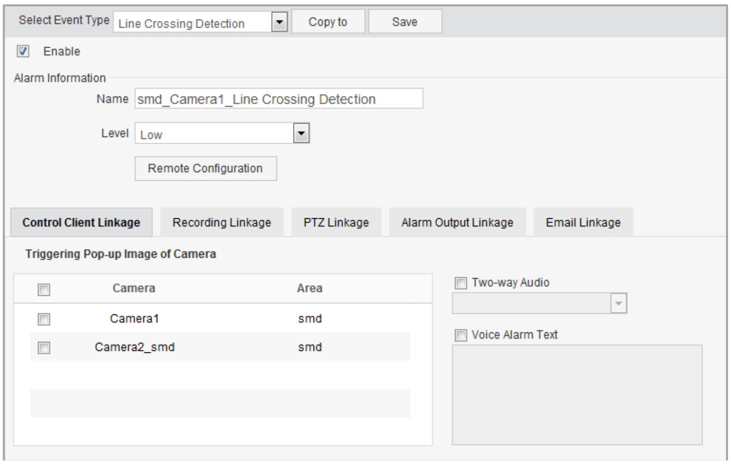
      •**A->B**: Only the object crossing the configured line from the A side to the B side can be detected.

      •**B->A**: Only the object crossing the configured line from the B side to the A side can be detected.
   4) Click ▣ and then draw a line on the preview image. You can click ↖ and then drag the configured line to adjust its position. You can also click ☒ or 🗑 to delete the line.
   5) You can repeat step 2)-4) to set other virtual lines.
   6) Set the sensitivity [1~100].

7) Set the arming schedule and linkage method (notify surveillance center and trigger camera).

8) Click **Apply** to save the settings and click ☒ to exit.

6. Check the checkboxes to enable the linkage actions. For details, see *Table 8.1 Linkage Actions for Motion Detection Alarm*.
7. Optionally, click **Copy to…** to copy the event parameters to other cameras.
8. Click **Save** to save the settings.



Select Event Type: Line Crossing Detection ▾ | Copy to | Save

☑ Enable

Alarm Information

Name: smd_Camera1_Line Crossing Detection

Level: Low ▾

Remote Configuration

Control Client Linkage | Recording Linkage | PTZ Linkage | Alarm Output Linkage | Email Linkage

Triggering Pop-up Image of Camera

☐	Camera	Area
☐	Camera1	smd
☐	Camera2_smd	smd

☐ Two-way Audio

☐ Voice Alarm Text

8.3 Configuring Intrusion Detection

Note: This chapter is only available for the cameras of Behavior Analysis server. For adding the Behavior Analysis server, please refer to *Chapter 6.2 Adding the Behavior Analysis Server*.

Purpose:

This function can be used for detecting whether there are people, vehicles and objects intrude into the pre-defined region longer than the set duration.

Steps:

1. Select **Camera** under the Event Configuration tab.
2. In the area tree panel, select the camera of Behavior Analysis server to be configured and select **Intrusion Detection** as the event type.
3. Check the checkbox **Enable** to enable the function of motion detection.
4. Edit the name for the event, and select the alarm level according to actual needs.
5. Click **Remote Configuration** and set the parameters for intrusion detection (Event>Intrusion Detection) in the pop-up interface.

1) Check the **Enable Intrusion Detection** checkbox.

2) Select the region ID and up to 4 regions can be configured.

3) Set the duration and ratio.

Duration: Range [0-10s], the time duration of the object loitering in the region. If you set the value as 0, alarm is triggered immediately after the object entering the region.

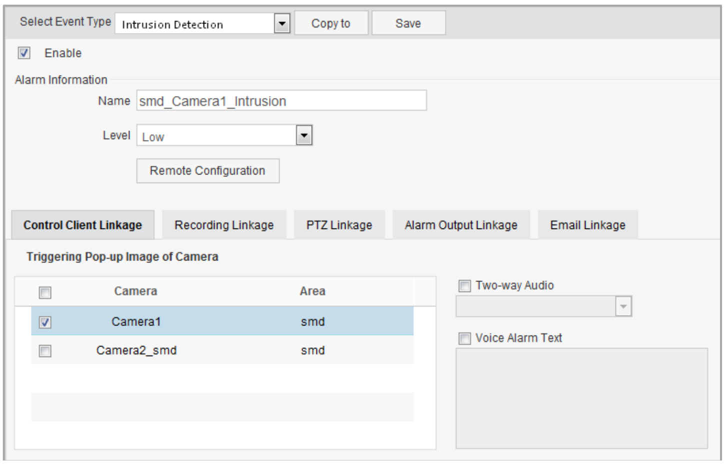
Ratio: Range [1-100]. It defines the ratio of the in-region part of the object which can trigger the alarm. For example, when you set the percentage as 50%, half of the object entering the region will trigger the alarm.

4) Click ▢ and then click to draw a rectangle on the preview image. You can click ↖ and then drag the configured rectangle to adjust its position. You can also click ☒ or

🗑 to delete the rectangle.

5) You can repeat step 2)-4) to set other regions.
6) Set the sensitivity [1~100].
7) Set the arming schedule and linkage method (notify surveillance center and trigger camera).
8) Click **Apply** to save the settings and click ✖ to exit.

6. Check the checkboxes to enable the linkage actions. For details, see *Table 8.1 Linkage Actions for Motion Detection Alarm*.
7. Optionally, click **Copy to…** to copy the event parameters to other cameras.
8. Click **Save** to save the settings.



Select Event Type: Intrusion Detection · Copy to · Save

☑ Enable

Alarm Information

Name: smd_Camera1_Intrusion

Level: Low

Remote Configuration

Control Client Linkage · Recording Linkage · PTZ Linkage · Alarm Output Linkage · Email Linkage

Triggering Pop-up Image of Camera

□	Camera	Area
☑	Camera1	smd
□	Camera2_smd	smd

□ Two-way Audio

□ Voice Alarm Text

8.4 Configuring Alarm Input Linkage

Purpose:

When a device's alarm input port receives a signal from an external alarm device, such as smoke detector, doorbell, etc., the alarm input linkage actions are triggered for notification.

Note: The alarm input should be supported by the device.

Before you start:

Add the alarm inputs to the areas for management. For details, please refer to *Chapter 6.4 Area Management*.

Steps:

1. Open the Event Configuration page and click the **Alarm Input** tab.
2. Select the alarm input channel to be configured and check the checkbox **Enable**.
3. Edit the name for the alarm input and select the alarm level for it.
4. Click **Edit** to select or edit the arming schedule. Click **OK** to confirm the settings.

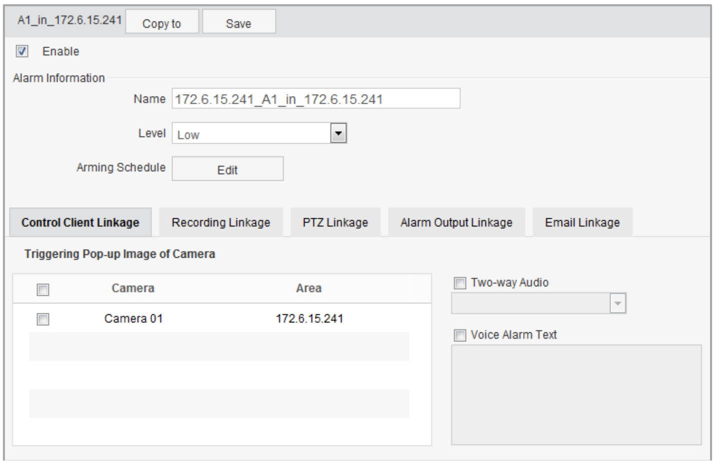
   All-day Template: All-day continuous recording whole week.

   Weekday Template: All-day continuous recording from Monday to Friday.

   Weekend Template: All-day continuous recording from Saturday to Sunday.

   Alarm Template 01-08: You can edit the templates as desired. If you need to edit the template, see *Configuring Arming Schedule Template*.
5. Check the checkboxes to activate the linkage actions. For details, see *Table 8.2 Linkage Actions for Alarm Input.*
6. Optionally, click **Copy to…** to copy the event parameters to other alarm inputs.

7. Click **Save** to save the settings.



☑ Enable

Alarm Information

Name: 172.6.15.241_A1_in_172.6.15.241

Level: Low

Arming Schedule

Triggering Pop-up Image of Camera

□	Camera	Area
□	Camera 01	172.6.15.241

□ Two-way Audio

□ Voice Alarm Text

Table 8.2 Linkage Actions for Alarm Input

Linkage Type	Linkage Actions	Descriptions
Control Client Linkage	**Triggering Pop-up Image of Camera**	The live video of the selected camera(s) pops up when alarm is triggered.
	Two-way Audio	Enable two-way audio between the Control Client and the selected camera when alarm is triggered.
	Voice Alarm Text	Set the voice text for playing on the PC when alarm is triggered. ***Note:*** You should set voice engine as the alarm sound on Local Configuration page of Control Client.
Recording Linkage	**Camera Record**	Start the recording of the selected camera(s) on the chosen storage location when alarm is triggered. ***Note:*** Before you can select the camera(s), you must configure the record schedule for the camera(s) on Record Schedule page. For details, please refer to *Chapter 7 Record Schedule Settings*.
PTZ Linkage	**PTZ Linkage**	Trigger to call the preset, patrol or pattern of the selected camera(s) when alarm is triggered.
Alarm Output Linkage	**Alarm Output Linkage**	Select the alarm output and the external device connected can be activated when alarm is triggered.
Email Linkage	**Email Linkage**	Send an Email notification of the alarm information to one or more receivers. ***Notes:*** ● Only the users that are configured with email are available in the pop-up window when you click **Receiver**. For configuring users, please refer to *Chapter 9.2 User Management*. ● You should configure the email settings for the system in System Configuration page. For details, please refer to *Chapter 10.3 Email Settings*.

8.5 Configuring Access Control Alarm Linkage

Purpose:

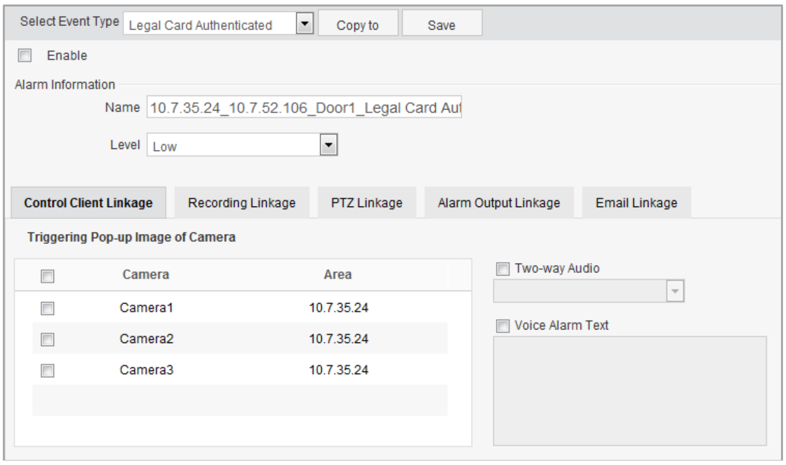
When the event occurs for the access control, such as legal card authenticated, open door lock, etc., the linkage actions can be triggered for notification.

Before you start:

Add the access control to the areas for management. For details, please refer to *Chapter 6.4 Area Management*.

Steps:

1. Select **Access Control** under the Event Configuration tab.
2. Select the access control to be configured and select the event type, e.g., Legal Card Authenticated.
3. Check the checkbox **Enable** to enable the event detection.
4. Edit the name for the event, and select the alarm level according to actual needs.
5. Check the checkboxes to enable the linkage actions. For details, see *Table 8.3 Linkage Actions for Access Control Alarm*.
6. Optionally, click **Copy to…** to copy the event parameters to other cameras.
7. Click **Save** to save the settings.



Select Event Type: Legal Card Authenticated

□ Enable

Alarm Information

Name: 10.7.35.24_10.7.52.106_Door1_Legal Card Aut

Level: Low

Triggering Pop-up Image of Camera

□	Camera	Area
□	Camera1	10.7.35.24
□	Camera2	10.7.35.24
□	Camera3	10.7.35.24

□ Two-way Audio

□ Voice Alarm Text

Table 8.3 Linkage Actions for Access Control Alarm

Linkage Type	Linkage Actions	Descriptions
Control Client Linkage	**Triggering Pop-up Image of Camera**	The live video of the selected camera(s) pops up when alarm is triggered.
	Two-way Audio	Enable two-way audio between the Control Client and the selected camera when alarm is triggered.
	Voice Alarm Text	Set the voice text for playing on the PC when alarm is triggered. ***Note:*** You should set voice engine as the alarm sound on Local Configuration page of Control Client.
Recording Linkage	**Camera Record**	Start the recording of the selected camera(s) on the chosen

		storage location when alarm is triggered. ***Note:*** Before you can select the camera(s), you must configure the record schedule for the camera(s) on Record Schedule page. For details, please refer to *Chapter 7 Record Schedule Settings*.
PTZ Linkage	**PTZ Linkage**	Trigger to call the preset, patrol or pattern of the selected camera(s) when alarm is triggered.
Alarm Output Linkage	**Alarm Output Linkage**	Select the alarm output and the external device connected can be activated when alarm is triggered.
Email Linkage	**Email Linkage**	Send an Email notification of the alarm information to one or more receivers. ***Notes:*** ● Only the users that are configured with email are available in the pop-up window when you click **Receiver**. For configuring users, please refer to *Chapter 9.2 User Management*. ● You should configure the email settings for the system in System Configuration page. For details, please refer to *Chapter 10.3 Email Settings*.

8.6 Configuring Device Exception Linkage

Steps:

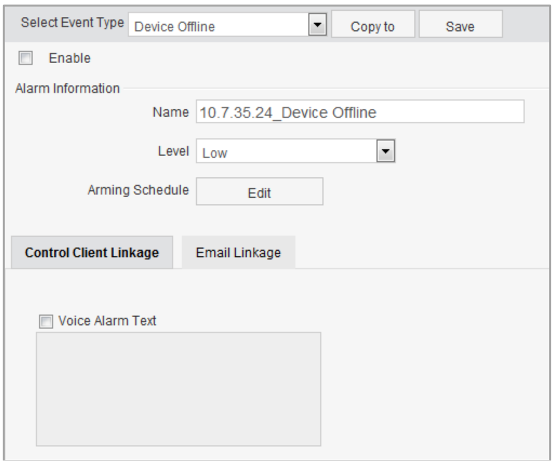
1. Open the Event Configuration page and click the **Encoding Device** tab.
2. Select the device to be configured.
3. Select the device exception type, including Device offline, HDD full, video standard mismatch, illegal login, etc.
4. Check the checkbox **Enable**.
5. Edit the name for the event and select the alarm level.
6. Click **Edit** to select or edit the arming schedule. Click **OK** to confirm the settings.

   All-day Template: All-day continuous recording whole week.

   Weekday Template: All-day continuous recording from Monday to Friday.

   Weekend Template: All-day continuous recording from Saturday to Sunday.

   Alarm Template 01-08: You can edit the templates as desired. If you need to edit the template, see *Configuring Arming Schedule Template*.
7. Check the checkboxes to activate the linkage actions. For details, see *Table 8.4 Linkage Actions for Device Exception*.
8. Optionally, click **Copy to…** to copy the event parameters to other devices.
9. Click **Save** to save the settings.



Select Event Type: Device Offline

□ Enable

Alarm Information

Name: 10.7.35.24_Device Offline

Level: Low

Table 8.4 Linkage Actions for Device Exception

Linkage Type	Linkage Actions	Descriptions
Control Client Linkage	**Voice Alarm Text**	Set the voice text for playing on the PC when alarm is triggered. ***Note:*** You should set voice engine as the alarm sound on Local Configuration page of Control Client.
Email Linkage	**Email Linkage**	Send an Email notification of the alarm information to one or more receivers. ***Notes:*** ● Only the users that are configured with email are available in the pop-up window when you click **Receiver**. For configuring users, please refer to *Chapter 9.2 User Management*. ● You should configure the email settings for the system in System Configuration page. For details, please refer to *Chapter 10.3 Email Settings*.

8.7 Configuring Server Exception Linkage

Purpose:

The linkage actions can be triggered when the server is in exceptional status.

Steps:

1. Select **Server** under the Event Configuration tab.
2. Select the server to be configured.
3. Edit the name for the event and select the alarm level.
4. Click **Edit** to select or edit the arming schedule. Click **OK** to confirm the settings.

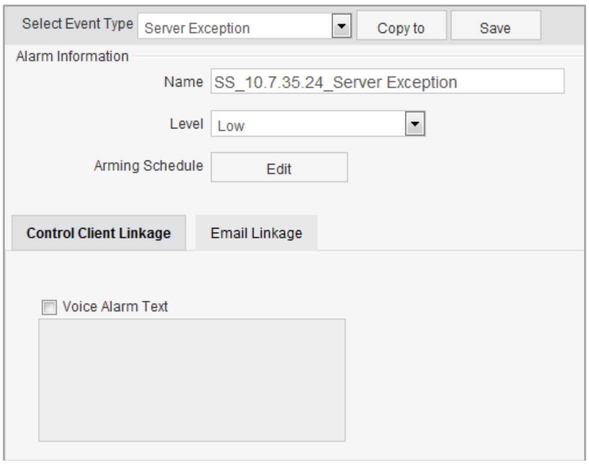
   All-day Template: All-day continuous recording whole week.

   Weekday Template: All-day continuous recording from Monday to Friday.

   Weekend Template: All-day continuous recording from Saturday to Sunday.

   Alarm Template 01-08: You can edit the templates as desired. If you need to edit the template, see *Configuring Arming Schedule Template*.

5. Check the checkboxes to activate the linkage actions. For details, see *Table 8.5 Linkage Actions for Device Exception*.
6. Optionally, click **Copy to…** to copy the event parameters to other servers.
7. Click **Save** to save the settings.



Select Event Type: Server Exception

Alarm Information

Name: SS_10.7.35.24_Server Exception

Level: Low

Arming Schedule: Edit

□ Voice Alarm Text

Table 8.5 Linkage Actions for Server Exception

Linkage Type	Linkage Actions	Descriptions
Control Client Linkage	**Voice Alarm Text**	Set the voice text for playing on the PC when alarm is triggered. ***Note:*** You should set voice engine as the alarm sound on Local Configuration page of Control Client.
Email Linkage	**Email Linkage**	Send an Email notification of the alarm information to one or more receivers. ***Notes:*** ● Only the users that are configured with email are available in the pop-up window when you click **Receiver**. For configuring users, please refer to *Chapter 9.2 User Management*. ● You should configure the email settings for the system in System Configuration page. For details, please refer to *Chapter 10.3 Email Settings.*

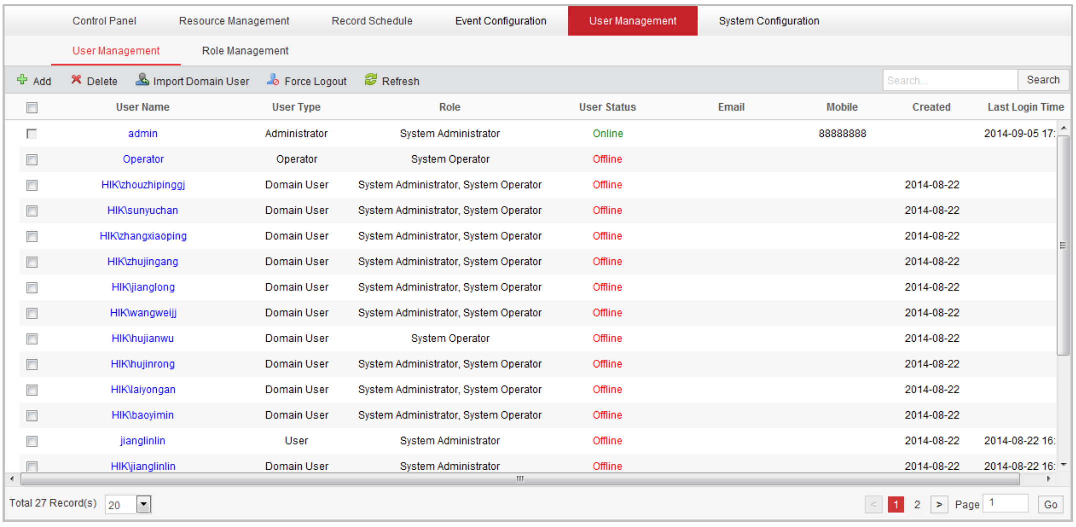
Chapter 9 User and System Management

Purpose:

Multiple user accounts can be added to the iVMS-5200P for accessing the system through Web Manager, Control Client or Web Client, and you are allowed to assign different roles for different users. The roles can be specified with different permissions.

Click the icon on the control panel,

or click **User Management** under **User Management** to open the System Configuration page.



□	User Name	User Type	Role	User Status	Email	Mobile	Created	Last Login Time
□	admin	Administrator	System Administrator	Online		88888888		2014-09-05 17:
□	Operator	Operator	System Operator	Offline				
□	HIK\zhouzhipinggj	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\sunyuchan	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\zhangxiaoping	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\zhujingang	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\jianglong	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\wangweijj	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\hujianwu	Domain User	System Operator	Offline			2014-08-22	
□	HIK\hujinrong	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\laiyongan	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	HIK\baoyimin	Domain User	System Administrator, System Operator	Offline			2014-08-22	
□	jianglinlin	User	System Administrator	Offline			2014-08-22	2014-08-22 16:
□	HIK\jianglinlin	Domain User	System Administrator	Offline			2014-08-22	2014-08-22 16:

Total 27 Record(s) 20

< 1 2 > Page 1 Go

9.1 Role Management

Purpose:

You can assign the permissions to the roles as required, and the user can link to the role to obtain different permissions.

Steps:

1. Select **Role Management** under User Management tab. If no role has been added, two roles are listed by default, including system administrator and system operator.
   - **System Administrator**: Have all the permission of the iVMS-5200P.
   - **System Operator**: Have the all the permission for operating the iVMS-5200 Control Client.
2. Click **Add** to open the Add Role dialog box.
3. Input the role name as desired. Optionally, you can also set the expiry time and description for the role.
4. (Optional) Check the checkbox **Copy from** and select the default or pre-defined role to copy the permission settings of it. If not, please perform step 5 to assign the permissions to the role.
5. In the permission area, select the permission type in the left panel and check the checkboxes to select the corresponding devices or functions.
6. Click **OK** to save the settings.

Managing the Role

Purpose:

After created successfully, the role is added to the role list on the Role Management page. You can edit or delete the information of the roles.

Click the field in the Name column and you can edit the settings of the role.

To delete the information of the role, select the role from the list, and click **Delete**.

Note: The system administrator and system operator roles cannot be edited or deleted.

9.2 User Management

Purpose:

Users can be added for accessing the iVMS-5200P and the role for the user is configurable. You can also add the domain users (users that belong to an organizational unit, e.g., a department of your company) to the system.

Adding the User

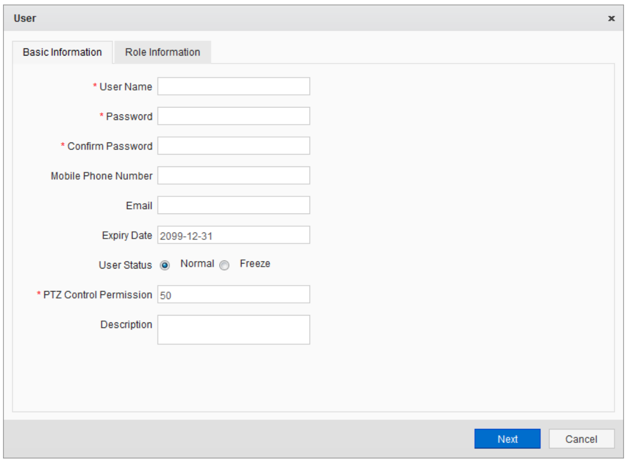
Option 1: Add Normal Users

Steps:

1. Select **User Management** under User Management tab.
2. Click **Add** to open the Add User dialog box.
3. Input the user name, password, confirm password, and PTZ control permission as desired. Optionally, you can set the mobile phone number, email, expiry date, user status and description.
   - **Expiry Date:** The date that this user account becomes invalid.
   - **User Status:** Two kinds of status are available. If you select freeze, the user account is inactive until you set the user status as normal.
   - **PTZ Control Permission**: Set the permission level (1~100) for PTZ control and the larger the value is, the higher permission the user has. E.g., when user1 and user2 control the PTZ unit at the same time, the user who has the larger PTZ control permission will take the control of the PTZ movement.
4. Click **Next** and check the checkboxes to assign the roles for the created user.

   Note: If no role has been added, two default roles are selectable: system administrator and system operator. System administrator is the role that owns all the permission of the iVMS-5200P, and system operator is the role that owns the all the permission of the iVMS-5200 Control Client. For creating other roles as desired, please refer to *Chapter 9.1 Role Management*.
5. Click **OK** to save the settings.

Note: A user name cannot contain any of the following characters: / \ : * ? “ < > |.



* User Name

* Password

* Confirm Password

Mobile Phone Number

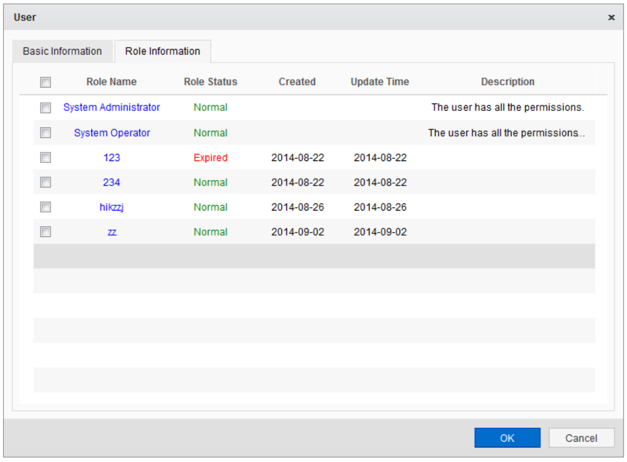
Email

Expiry Date 2099-12-31

User Status ● Normal ○ Freeze

* PTZ Control Permission 50

Description

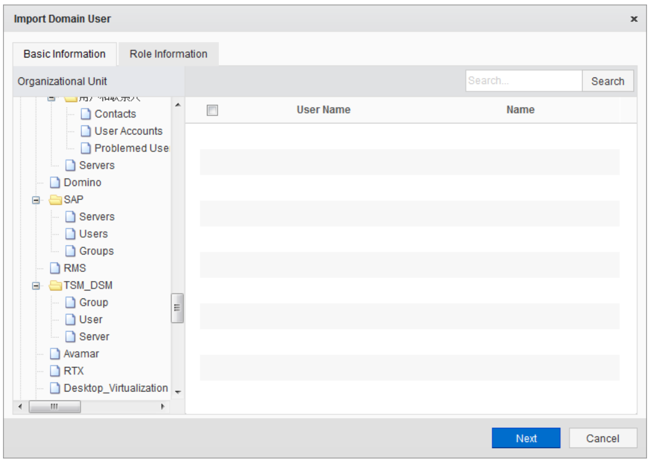


□	Role Name	Role Status	Created	Update Time	Description
□	System Administrator	Normal			The user has all the permissions.
□	System Operator	Normal			The user has all the permissions..
□	123	Expired	2014-08-22	2014-08-22	
□	234	Normal	2014-08-22	2014-08-22	
□	hikzzj	Normal	2014-08-26	2014-08-26	
□	zz	Normal	2014-09-02	2014-09-02	

Option 2: Add Domain Users

Steps:

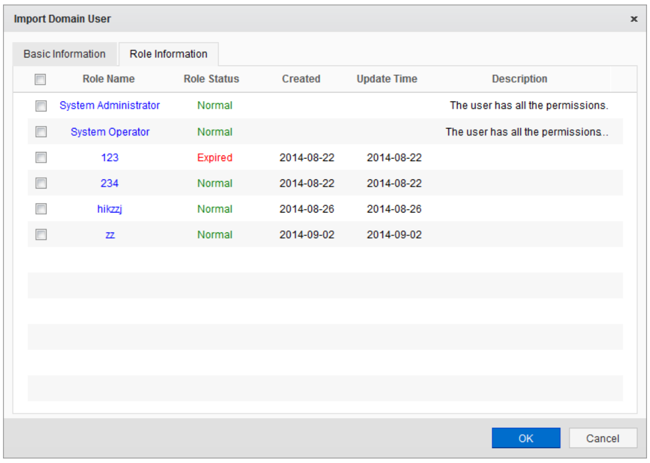
1. Select **User Management** under User Management tab.
2. Click **Import Domain User** to open the Import Domain User dialog box.



3. On the left panel, click to select an organization and the users belonging to it will be listed.
4. Check the checkboxes to select the users and click **Next** to enter the Role Information page.
5. Check the checkboxes to assign the roles for the selected users.

   Note: If no role has been added, two default roles are selectable: system administrator and system operator. System administrator is the role that owns all the permission of the iVMS-5200P, and system operator is the role that owns the all the permission of the iVMS-5200 Control Client. For creating other roles as desired, please refer to *Chapter 9.1 Role Management*.

6. Click **OK** to save the settings. After successfully adding the domain users, the users can log into the iVMS-5200P by their domain password.



□	Role Name	Role Status	Created	Update Time	Description
□	System Administrator	Normal			The user has all the permissions.
□	System Operator	Normal			The user has all the permissions..
□	123	Expired	2014-08-22	2014-08-22	
□	234	Normal	2014-08-22	2014-08-22	
□	hikzzj	Normal	2014-08-26	2014-08-26	
□	zz	Normal	2014-09-02	2014-09-02	

Managing the User

Purpose:

After created successfully, the user account is added to the user list on the User Management page. The following operations are available for managing the user.

Edit: Click the **User Name** field of the user to edit the information of the device.

Delete: To delete the information of the user, select the user from the list, and click **Delete**.

Force Logout: You can also select the online user and click **Force Logout** to log out the online user.

Change Password: Click **Change Password** of the user and enter the required information to change the password of the user as desired.

Note: The *admin* and *Operator* users cannot be deleted, and the *admin* user cannot be forced to log out.

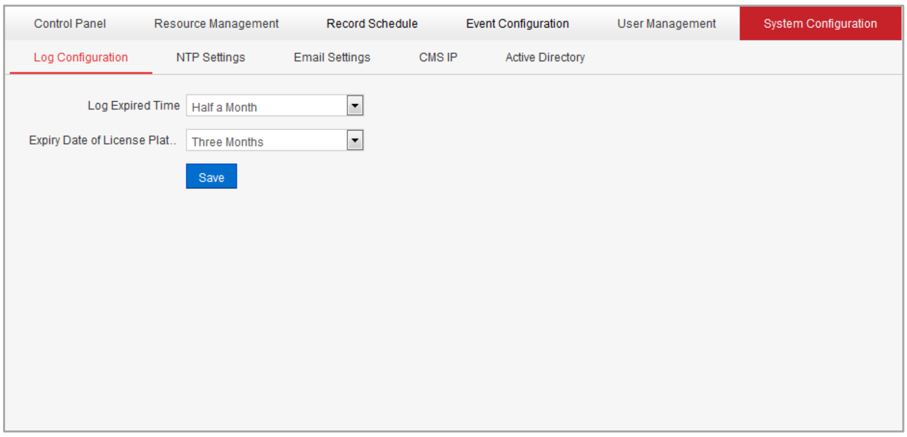
Chapter 10 System Configuration

Purpose:

The expiry date of the log files and license plate data, NTP settings, email settings, CMS (Central Management Server) IP address and active directory can be configured.

Click the icon on the control panel,

or click **Log Configuration** under **System Configuration** to open the System Configuration page.



Log Expired Time: Half a Month

Expiry Date of License Plat..: Three Months

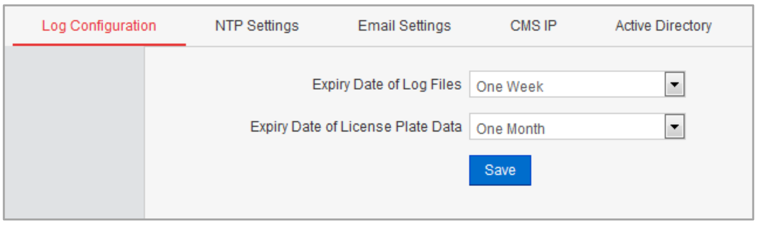
10.1 Log Configuration

Purpose:

The expiry date of the log files and license plate data can be set.

Steps:

1. Select **Log Configuration** under System Configuration tab.



Expiry Date of Log Files: One Week

Expiry Date of License Plate Data: One Month

2. Configure the parameters according to actual needs.

   Expiry Date of Log Files: The time for keeping the log files, once exceeded, the files will be deleted.

   Expiry Date of License Plate Data: The time for keeping the license plate data, once exceeded, the data will be deleted. The license plate data refers to the recognized license plate information. Please click **VCA Configuration** in Area Management page (Resource Management->Logical View) to configure the license plate recognition rule and refer to the User Manual of the device for the detailed configuration.

3. Click **Save** to save the settings.

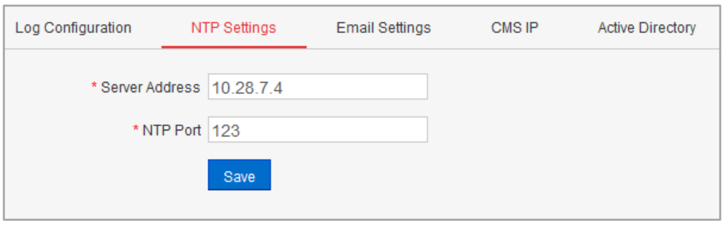
10.2 NTP Settings

Purpose:

The NTP settings can be set for time synchronization.

Steps:

1. Select **NTP Settings** under System Configuration tab.



* Server Address 10.28.7.4

* NTP Port 123

2. Set the NTP server address and NTP port for time synchronization.
3. Click **Save** to save the settings.

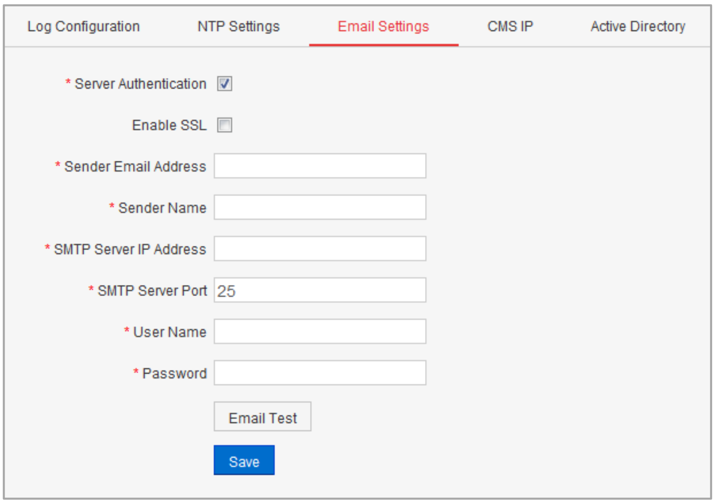
10.3 Email Settings

Purpose:

The email setting can be set for email notification.

Steps:

1. Select **Email Settings** under System Configuration tab.



* Server Authentication ☑

Enable SSL □

* Sender Email Address

* Sender Name

* SMTP Server IP Address

* SMTP Server Port 25

* User Name

* Password

2. Configure the parameters according to actual needs.

   Server Authentication: If your mail server requires authentication, check this checkbox to use authentication to log in to this server and enter the login User Name and Password.

   Enable SSL (optional): Check the checkbox to enable SSL if required by the SMTP server.

   Sender Email Address: The email address of sender.

   Sender Name: The name of sender.

   SMTP Server IP Address: The SMTP Server IP address or host name (e.g., smtp.263xmail.com).

   SMTP Server Port: The SMTP port. The default TCP/IP port used for SMTP is 25.

   User Name: The user account of sender’s email.

   Password: The password of sender’s email.

Email Test: Click it to test whether the email settings work. The corresponding attention message box will pop up.

3. Click **Save** to save the settings.

10.4 CMP IP Address Settings

Purpose:

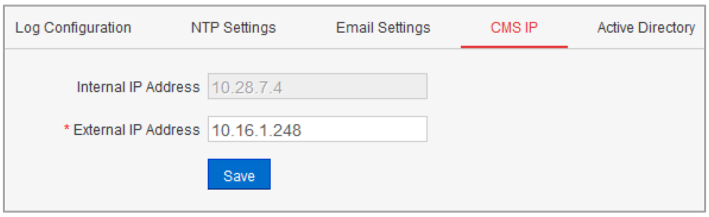
Two IP addresses can be set for CMS to meet the requirements of accessing via both LAN and WAN.

Internal IP Address: The IP address used for LAN access.

External IP Address (Optional): The IP address used for WAN access.

Steps:

1. Select **CMS IP** under the System Configuration tab.
2. The internal IP address cannot be edited. If a static IP address is available for WAN access, enter it in the **External IP address** field.
3. Click **Save** to save the settings.



Internal IP Address: 10.28.7.4

* External IP Address: 10.16.1.248

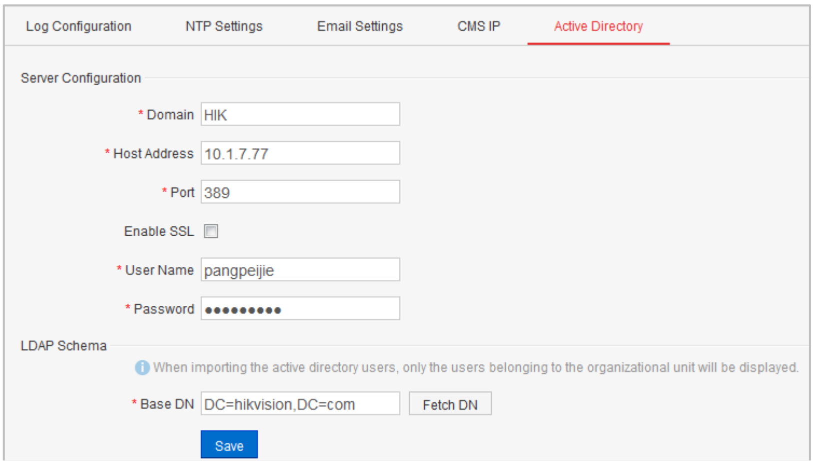
10.5 Active Directory Settings

Purpose:

If you have the AD (Active Directory) domain controller which contains the information (e.g., user data, computer information), you can configure the settings to get the related information. In this way, you can add the users that belong to an organizational unit (e.g., a department of your company) to iVMS-5200P conveniently.

Steps:

1. Select **Active Directory** under the System Configuration tab.



Server Configuration

* Domain: HIK

* Host Address: 10.1.7.77

* Port: 389

Enable SSL □

* User Name: pangpeijie

* Password: ●●●●●●●●●

LDAP Schema

When importing the active directory users, only the users belonging to the organizational unit will be displayed.

* Base DN: DC=hikvision,DC=com

2. Configure the following parameters to connect to the AD domain controller and get the required data.

Domain: Input the domain name of the AD domain controller.

Host Address: Input the address of the AD domain controller.

Port: Input the port No. of the AD domain controller.

Enable SSL (Optional): Check the checkbox to enable SSL if required by the AD domain controller.

User Name: Input the user name of the AD domain controller.

Password: Input the password of the AD domain controller.

Base DN (Distinguished Name): Input the filter condition in the text filed if you are familiar with the format. Or you can click **Fetch DN** to get the filter condition entered automatically.

Note: If you input the Base DN manually, you can define the root node as desired. If you click **Fetch DN**, then the entire structure stored on the AD domain controller will be obtained.

3. Click **Save** to save the settings. After the configuration, the structure and user information can be displayed when you click **Import Domain User** on User Management page (refer to *Chapter 9.2 User Management*).

Chapter 11 Appendix

11.1 Important Ports

iVMS-5200P uses particular ports when communication with other servers, devices, etc.

Make sure that the following ports are not occupied for data traffic on your network and you should open these ports in the firewall in case you may need to access the system via other networks.

CMS Port	
80	Used for web browser access.
5800	The port of MQ (message queue). Used for receiving the alarm information by the Control Client.
6300	The port for record query. Used for receiving the query conditions.
6502	The monitoring port of manual alarm.
7200	Used for receiving the alarm of HIKVISION devices in listening mode.
7000	Used for receiving the PTZ control command from the Control Client.
7002	Used for receiving the PTZ control command from the Mobile Client.
SMS Port	
6678	The communication port between the CMS and the SMS.
6001	The port of the network management agent.
554	Used for accepting the request of RTSP.
10000-14000	The value range for the getting-stream port pair (RTP/UDP) via UDP transmission and the value range for the getting-stream port pair (RTP/RTSP) via TCP transmission.
SS Port	
6400	The communication port between the CMS and the SS, and the port for searching the video files of the SS.
6401	The port of the network management agent. Used for inspecting the status of the Network Management Server.
6304	Used for accepting the request of RTSP.
8088	The port for uploading and downloading the pictures.
20000-22000	The value range for the getting-stream port pair (RTP/RTCP) via UDP transmission.
MAG Port	
7071	The port of the network management agent. Used for inspecting the status of the Network Management Server.
7072	The communication port between the CMS and the MAG.
556	Used for accepting the request of RTSP.
12000-14000	The value range for the getting-stream port pair (RTP/UDP) via UDP transmission.

11.2 FAQ

Q: Why does the CMS fail to start?

A:

a) The memory of your PC or server may be insufficient for running the CMS properly. Please perform the steps below:

   Steps:

   1. Please make sure that the running environment of the PC or server meets the recommended configuration (refer to *Chapter 3.1 Installing the Server Modules*) and close other services before running the CMS.
   2. Then run the Watchdog as administrator and check the status of CMS. The status changes to *Running* which means the CMS is working properly.
   3. Then you can log into the iVMS-5200P via Web Manager by inputting *http://IP address of CMS /manager* in the address bar of your web browser.

      Example: Input http://172.6.21.55/manager in the address bar to access the iVMS-5200P.

b) The port 80 of your PC or server installing the CMS may be occupied by other service. Please check whether the port 80 (you can input *netstat -ano|findstr "80"* in the console) is available. If it is occupied:

- Please change the port of the service to other value since the port 80 should be used when running the CMS. Please consult your IT system administrator if in doubt about how to changing the port No..
- Or please perform the following steps to change the port of CMS to other available value.

  Steps:

  1. Shut down all iVMS-5200P modules and exit the iVMS-5200 Service Watchdog.
  2. Go to the installation directory of the CMS, and open the server.xml file (by default, the directory is: *C:\Program Files\iVMS-5200 Professional*\iVMS-5200 CMS\webserver\Tomcat\conf).
  3. Find the content *Connector port="80" protocol="HTTP/1.1"* in the file and change the *80* to other value (e.g., 85) that is not occupied by other service.
  4. Run the Watchdog as administrator and check the status of CMS. The status changes to *Running* which means the CMS is working properly.
  5. Then you can log into the iVMS-5200P via Web Manager by inputting *http://IP address of CMS:new port* in the address bar of your web browser.

     Example: Input http://172.6.21.55:85 in the address bar to access the iVMS-5200P.

Q: Why does the status of the Storage Server on the Watchdog show as Unusable after successfully allocating the storage space for the Storage Server?

A: The Storage Server should be installed on the 64-bit PC or server. Please make sure that the PC or server that running the Storage Server is 64-bit operating system.

Q: Why does the downloading of the Watchdog log files fail?

A: The port used for downloading the Watchdog log files may be occupied by other service. Please follow the steps below.

Steps:

1. Click **Setting** on the Watchdog interface.

2. Input a new port No. manually or click **Auto-assign** to assign a port No. automatically.
3. Click **OK** to save the settings.
4. Then you can click the **Help** at the top right corner of the Web Manager and select to download the Watchdog Log.

11.3 How to Allocate Storage Space for Storage Server

Purpose:

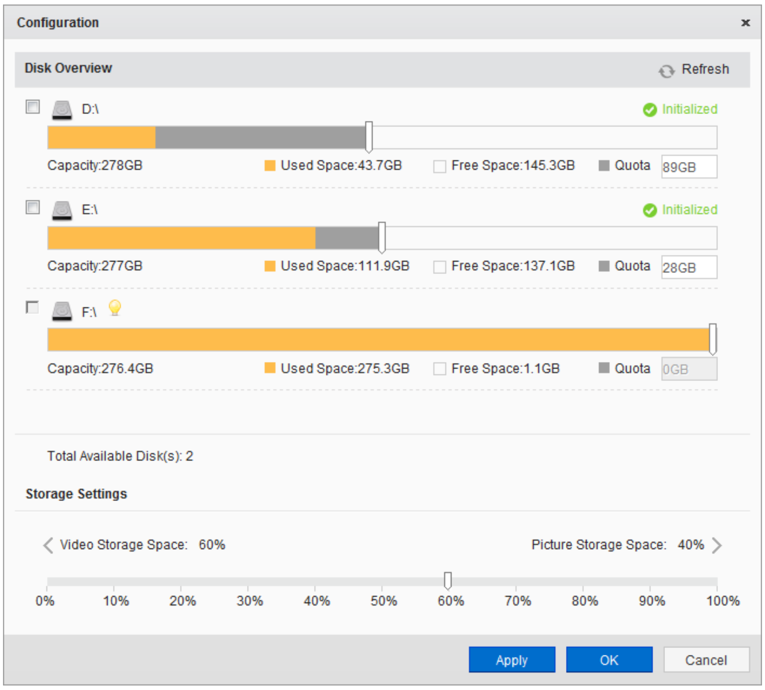
After you install the SS (Storage Server), you should allocate the storage space for it before you can store the record files and pictures on it.

Before you start: The SS should be added to the iVMS-5200P. Please refer to *Chapter 6.3 Adding the Server* for adding the SS.

Note: The SS must be installed on the 64-bit PC or server to work properly.

Steps:

1. Click the **Physical View** tab under Resource Management and select **Storage Server**.
2. Select a SS and click **Configuration** to activate the Configuration window.



□ D:\ Initialized
Capacity:278GB Used Space:43.7GB Free Space:145.3GB Quota 89GB

□ E:\ Initialized
Capacity:277GB Used Space:111.9GB Free Space:137.1GB Quota 28GB

□ F:\
Capacity:276.4GB Used Space:275.3GB Free Space:1.1GB Quota 0GB

Total Available Disk(s): 2

Video Storage Space: 60% Picture Storage Space: 40%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

3. Select the disk for setting the storage space.

   Option 1: You can drag the slider to allocate the space for storing the record files and pictures and the corresponding value will be shown in the **Quota** field.

   Option 2: Input the space value in the **Quota** field and the slider will be moved to the corresponding position.

   Note: The checkbox of the disk will be automatically checked when you change the allocated space and only the settings of the checked disks can be saved.

4. Drag the slider to set the storage percentage of video files and pictures according to actual requirements.
5. Click **Apply** to save the settings and click **OK** to confirm the settings and exit.

   Note: After successfully allocating the space, the status of the disk changes to *Initialized*.

First Choice for Security Professionals