

IP Camera Centralized Management System

# CMS User Manual

# Contents

<b>CONTENTS</b> .....	2 -	5.1 PREVIEWING REAL-TIME VIDEOS.....	12 -
<b>CHAPTER 1 INTRODUCTION TO MONITORING SOFTWARE</b> .....	2 -	<b>5.1.1 Browsing Videos</b> .....	12 -
1.1 OVERVIEW.....	3 -	<b>5.1.2 Closing Video Browsing</b> .....	12 -
1.2 OPERATING ENVIRONMENT.....	3 -	<b>5.1.3 Screen Split and Switch</b> .....	13 -
<b>1.2.1 Operating System Configuration</b> .....	3 -	<b>5.1.4 Switching Screens</b> .....	13 -
<b>1.2.2 Minimum Configuration of Hardware Environment</b> .....	3 -	5.2 CAPTURING.....	13 -
<b>1.2.3 Recommended Configuration of Hardware Environment</b> .....	3 -	5.3 STARTING AND STOPPING RECORDING.....	13 -
<b>1.2.4 Configuration of Software Environment</b> .....	3 -	<b>5.3.1 Starting Recording</b> .....	13 -
<b>CHAPTER 2 INSTALLATION AND UNINSTALLATION</b> .....	4 -	<b>5.3.2 Stopping Recording</b> .....	13 -
2.1 INSTALLATION.....	4 -	5.4 TALKBACK AND LISTENING.....	13 -
<b>CHAPTER 3 OPERATION AND USE</b> .....	7 -	<b>5.4.1 Talkback</b> .....	13 -
3.1 INITIAL OPERATION.....	7 -	<b>5.4.2 Listening</b> .....	14 -
3.2 LOGIN.....	7 -	5.5 MOTION DETECTION LINKAGE.....	14 -
3.3 INTRODUCTION TO INTERFACES.....	8 -	<b>CHAPTER 6 RECORD PLAYBACK</b> .....	14 -
<b>CHAPTER 4 DEVICE MANAGEMENT</b> .....	9 -	6.1 VIDEO PLAYBACK.....	14 -
4.1 SEARCHING DEVICES.....	9 -	<b>6.1.1 Searching Playback Files</b> .....	14 -
4.2 MANUALLY ADDING, DELETING, AND SETTING DEVICES.....	9 -	<b>6.1.2 Playing Back Files</b> .....	14 -
<b>4.2.1 Manually Adding Devices</b> .....	10 -	<b>6.1.3 Returning to the Monitoring Interface</b> .....	15 -
<b>4.2.2 Adjusting Windows</b> .....	11 -	<b>CHAPTER 7 PTZ CONTROL</b> .....	15 -
<b>4.2.3 Setting Device Parameters</b> .....	11 -	7. PTZ CONTROL.....	15 -
<b>4.2.4 Deleting Devices</b> .....	11 -	<b>CHAPTER 8 SYSTEM SETTINGS</b> .....	15 -
<b>4.2.5 Closing Interfaces</b> .....	11 -	8.1 LOCAL SETTINGS.....	15 -
4.3 SETTING GROUPS.....	11 -	<b>8.1.1 Disk</b> .....	16 -
<b>4.3.1 Adding Groups</b> .....	11 -	<b>8.1.2 Audio</b> .....	16 -
<b>4.3.2 Adding Devices to a Group</b> .....	11 -	8.2 LOCAL ALARM LINKAGE.....	16 -
<b>CHAPTER 5 VIDEO PREVIEW</b> .....	12 -	<b>8.2.1 Network Disconnection</b> .....	16 -
		<b>8.2.2 Motion Detection Linkage</b> .....	16 -
		<b>8.2.3 Video Loss Linkage</b> .....	17 -
		<b>8.2.4 Detector Alarm Linkage</b> .....	17 -

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# Chapter 1 Introduction to Monitoring Software

## 1.1 Overview

Supervision center management software is targeted to centralized monitoring, storage, data forwarding, management and control of all front-end network video surveillance devices including network video servers, IP cameras and IP PTZ. The software supports setting, control and remote upgrade of any device; displaying 1-/4-/6-/9-/16-/24-/36-pictures on a single screen; two-way voice talk, user management, E-map, remote setting, logs retrieval, alarm control, motion detection, remote retrieval and playback, and recording. The software features easy operation, user-friendly interface, powerful functions and simple installation, and significantly facilitates networking application of remote network monitoring systems.

## 1.2 Operating Environment

### 1.2.1 Operating System Configuration

32-/64-bit Chinese/English Windows XP/7

### 1.2.2 Minimum Configuration of Hardware Environment

CPU: Pentium 2.0Ghz

Memory: 256 MB

Video card: TNT2

Sound card: requisite for voice monitoring and two-way talkback

Hard disk: no less than 40G for recording

### 1.2.3 Recommended Configuration of Hardware Environment

CPU: Intel Core2 Duo E7400 2.8G

Memory: 2G

Video card: NVIDIA GeForce 9600GSO

Hard disk: SATA hard disk, cache of more than 8M, 2000G

### 1.2.4 Configuration of Software Environment

DirectX9.0 and later

TCP / IP network protocols

## Chapter 2 Installation and Uninstallation

### 2.1 Installation

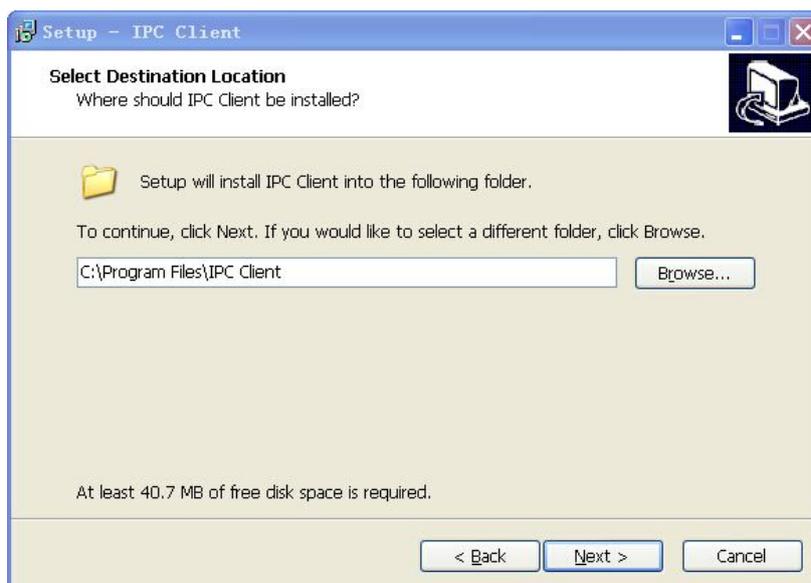
1. Double-click the installation program  to open the following dialog box, select the desired language, and click **Next**.



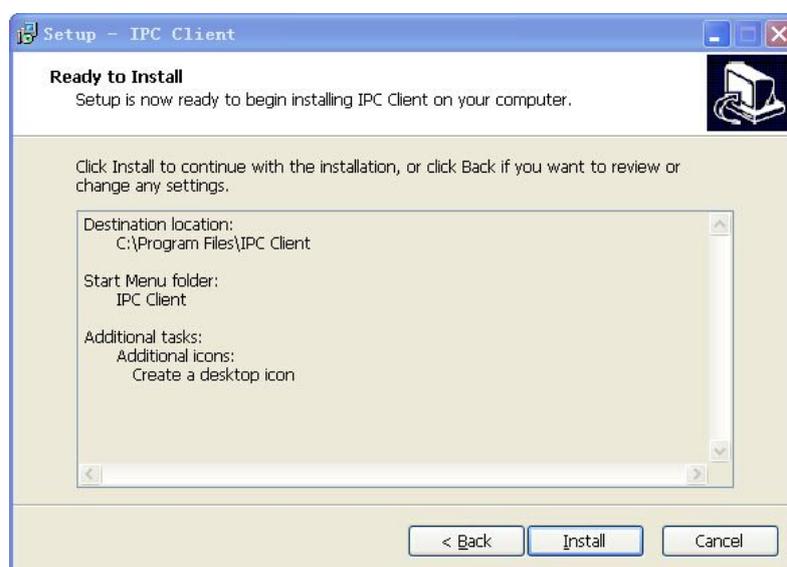
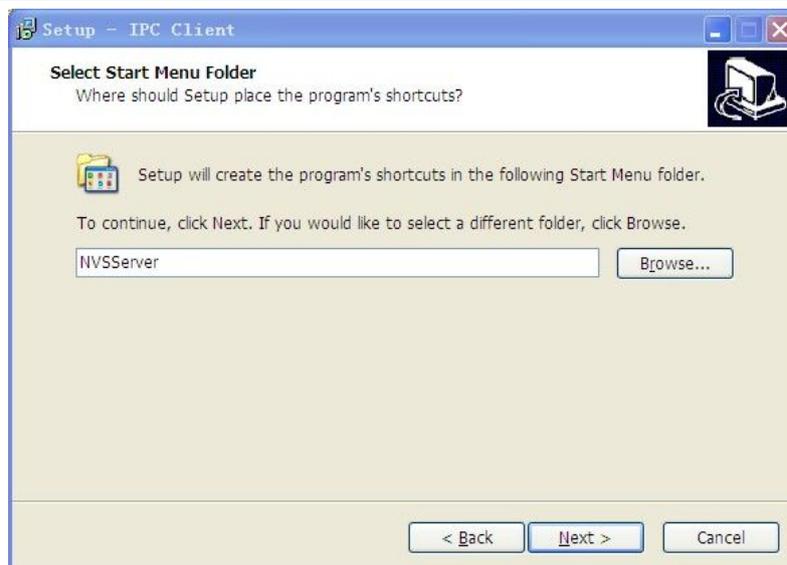
2. Click **Next** in the pop-up welcome screen.



3. Click **Browse** to select the path for installing the software, and click **Next**.



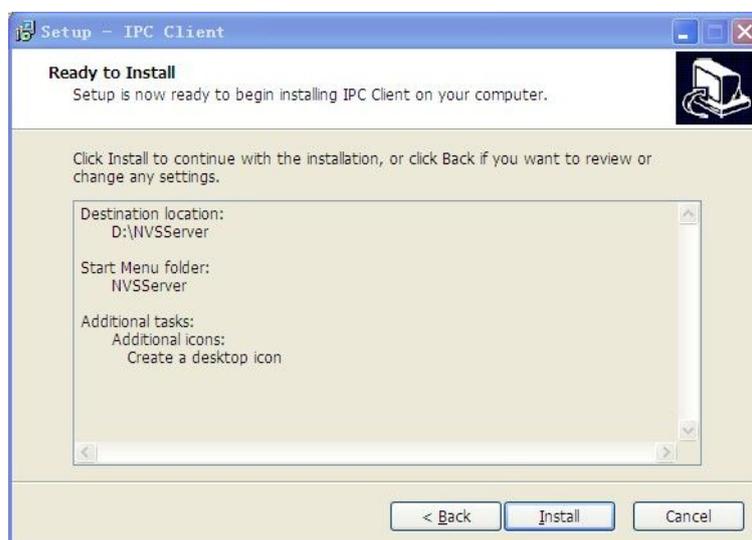
4. Click **Browse** to select the folder for placing the shortcut of the software, and click **Next**.



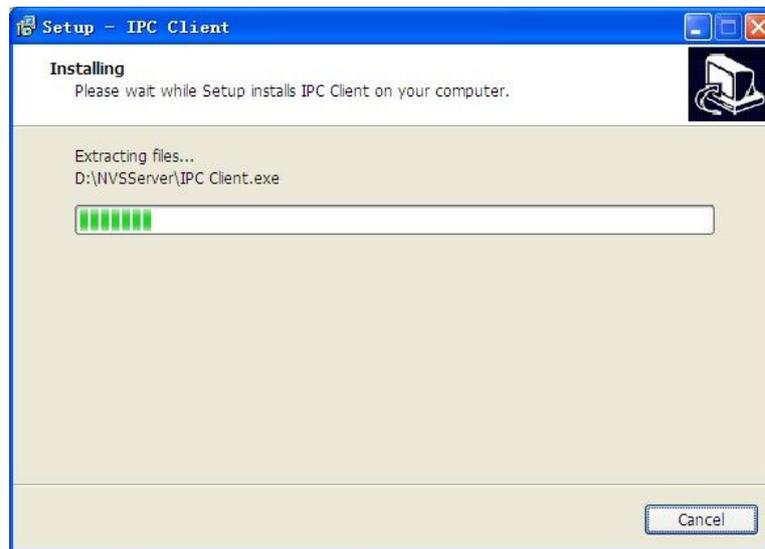
5. Check whether to create the desktop shortcut and click **Next**.



6. Upon configuration, click **Install** to start the installation.



7. The software is being installed.



8. Upon installation is completed, click **Finish** to run the software.



The software is installed.

## Chapter 3 Operation and Use

### 3.1 Initial Operation

Go to **Program > IPC Client > IPC Client** to start the software or double-click the desktop shortcut  to run the program.

### 3.2 Login

A login dialog box appears when running the software each time, as shown in the figure below.



Select the desired language, and enter **User** (**admin** by default) and **Password** (blank by default).

Click **Apply** to enter the monitoring management interface or **Cancel** to exit login.

### 3.3 Introduction to Interfaces

The main interface displays at most 36 channels of images on a single screen, and supports manual page switching or polling of connected channels after setting of auto page switching.



## Chapter 4 Device Management

### 4.1 Searching Devices

1. With the software started, the system searches and loads devices within the LAN (Local Area Network), and allocates a channel to each device.
2. Right-click **Default Group** and select **Refresh** to display all devices under **Default Group**.

### 4.2 Manually Adding, Deleting, and Setting Devices

Right-click **Default Group** and select **Add/Delete Device** to open the **Channel config** interface.



user list.

Step 2: Type the device IP in the LAN.

Step 3: Type the user name and password.

Step 4: Select a device channel for access to the main stream or the sub stream.

Step 5: Enter the port.

Step 6: Click **OK** to add the device.

### 4.2.2 Adjusting Windows

Select the desired device and click the **Up** and **Down** buttons to adjust the position of the device in the window.

### 4.2.3 Setting Device Parameters

Select the desired device and click the **Setting** button to open the device setting interface. For detailed setting, refer to steps for adding devices.

### 4.2.4 Deleting Devices

Method 1: Select the desired device and click the **Del** button to delete the device.

Method 2: Click **Del all** to delete all devices.

### 4.2.5 Closing Interfaces

Click the **Close** button to close the interface.

## 4.3 Setting Groups

You can set multiple groups as needed to display videos by group or in cycles.

### 4.3.1 Adding Groups

Right-click **Network Video Server (NVS)** and select **Add Group** to open the **Add Group** interface, as shown in the figure below.



Enter **Group Name** and click **OK** to complete adding the group.

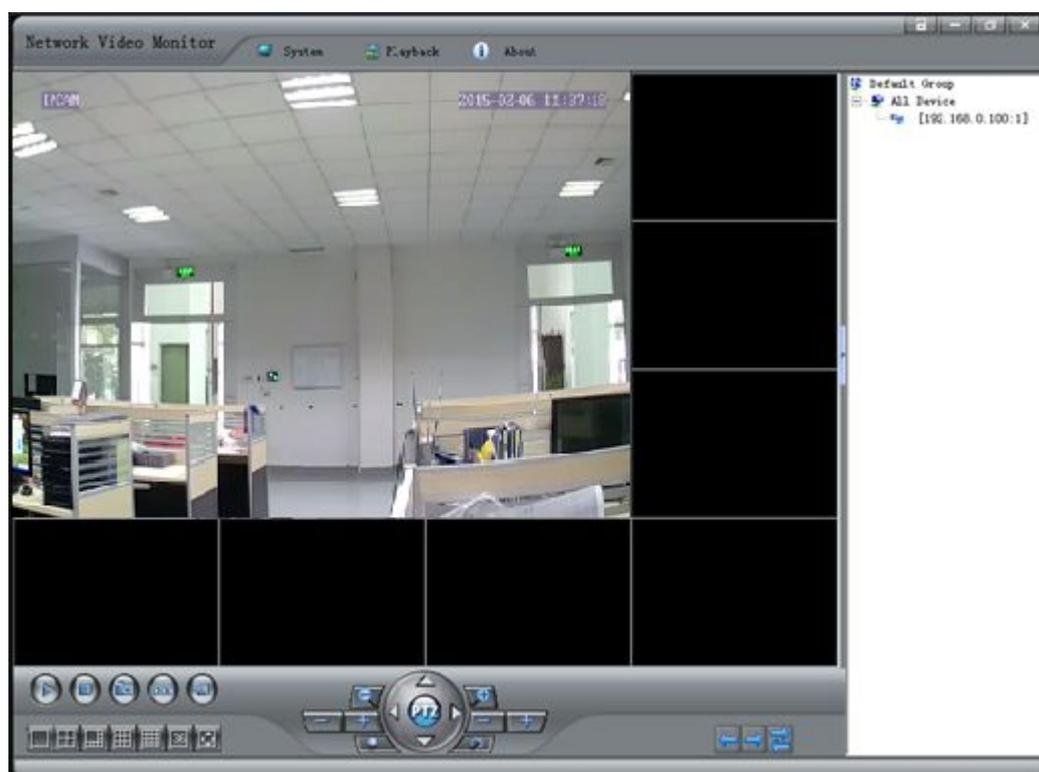
### 4.3.2 Adding Devices to a Group

Drag and drop the desired device from the default group to the destination group to add the device to the latter group.

## Chapter 5 Video Preview

### 5.1 Previewing Real-time Videos

Log in to the server and check the real-time videos, as shown in the figure below:



#### 5.1.1 Browsing Videos

Method 1: Right-click a device in the device list and select **Connect Device** to display videos.

Method 2: Select a video screen and click the **Connect** button to display videos.

Method 3: Click  on the lower left corner of the window to display existing videos.

### 5.1.2 Closing Video Browsing

Method 1: Right-click a device in the device list and select **Disconnect Device** to close videos.

Method 2: Click the **Disconnect** button on the video screen to close videos.

Method 3: Click  on the lower left corner of the window to close all videos.

### 5.1.3 Screen Split and Switch

Click the buttons  on the lower left corner of the window to split a single screen into up to 36 screens.

Double-click a screen to switch to the full screen mode.

### 5.1.4 Switching Screens

Click the buttons  on the lower right corner of the window to switch between screens or start screen polling.

## 5.2 Capturing

Select the desired screen and click the button  on the lower left corner of the window to start capturing a picture.

## 5.3 Starting and Stopping Recording

### 5.3.1 Starting Recording

Method 1: Right-click a screen and select **Start Recording** to start recording.

Method 2: Click the button  on the lower left corner of the window to

start recording in all screens.

The recording screen shows a red icon  on the lower left corner of the screen.

### 5.3.2 Stopping Recording

Method 1: Right-click a screen and select **Stop Recording** to stop recording.

Method 2: Click the button  on the lower left corner of the window to stop recording in all screens.

The screen without recording shows a white icon  on the lower left corner of the screen.

## 5.4 Talkback and Listening

### 5.4.1 Talkback

Right-click a screen and select **Talkback** to start voice talkback and the icon  on the lower left corner of the screen turns red.

### 5.4.2 Listening

Right-click a screen and select **Listening** to start listening and the icon  on the lower left corner of the screen turns red.

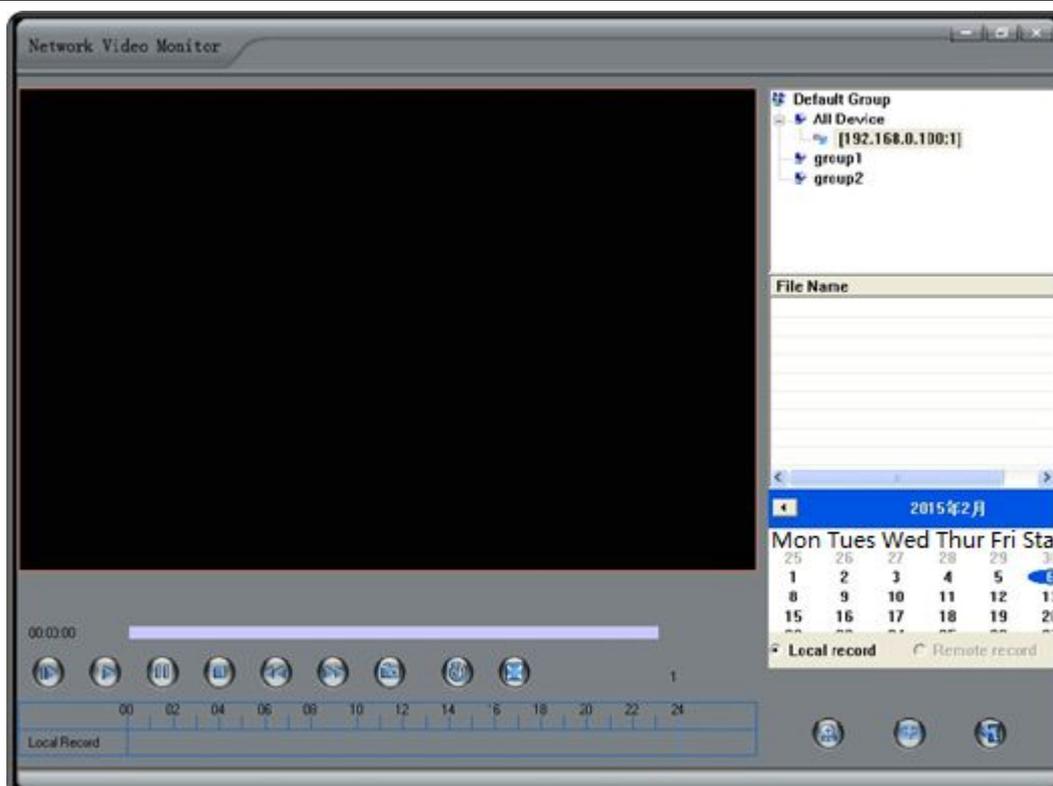
## 5.5 Motion Detection Linkage

With motion detection enabled for a remote device, when an alarm occurs, the icon  on the lower left corner of the window flashes, and if alarm linkage to recording is enabled, the icon  on the lower left corner of the window turns red.

# Chapter 6 Record Playback

## 6.1 Video Playback

Click the **Playback** button in the navigation panel to enter the playback interface, as shown in figure below.



### 6.1.1 Searching Playback Files

Select the desired device and date, and click the button  to search the playback files that will be presented in the file list.

### 6.1.2 Playing Back Files

Double-click the desired video file in the file list to play back the video in the video screen.

### 6.1.3 Back to the Monitoring Interface

Click the  button on the lower right corner of the window to back to the monitoring interface.

## Chapter 7 PTZ Control

### 7. PTZ Control



## Button Description



Turns on or off lighting.



Switches on or off the rain brush.



Adjusts the zoom rate, where **(+)** is used to increase the rate and **(-)** to decrease the rate, as shown in the figure above.



Selects the point showing the clearest image by adjusting **(+)** and **(-)** for manually adjusting the focal length to achieve the best definition, as shown in the figure above.



Adjusts the iris lighting, where **(+)** is used to open the iris and **(-)** to close the iris, as shown in the figure above.

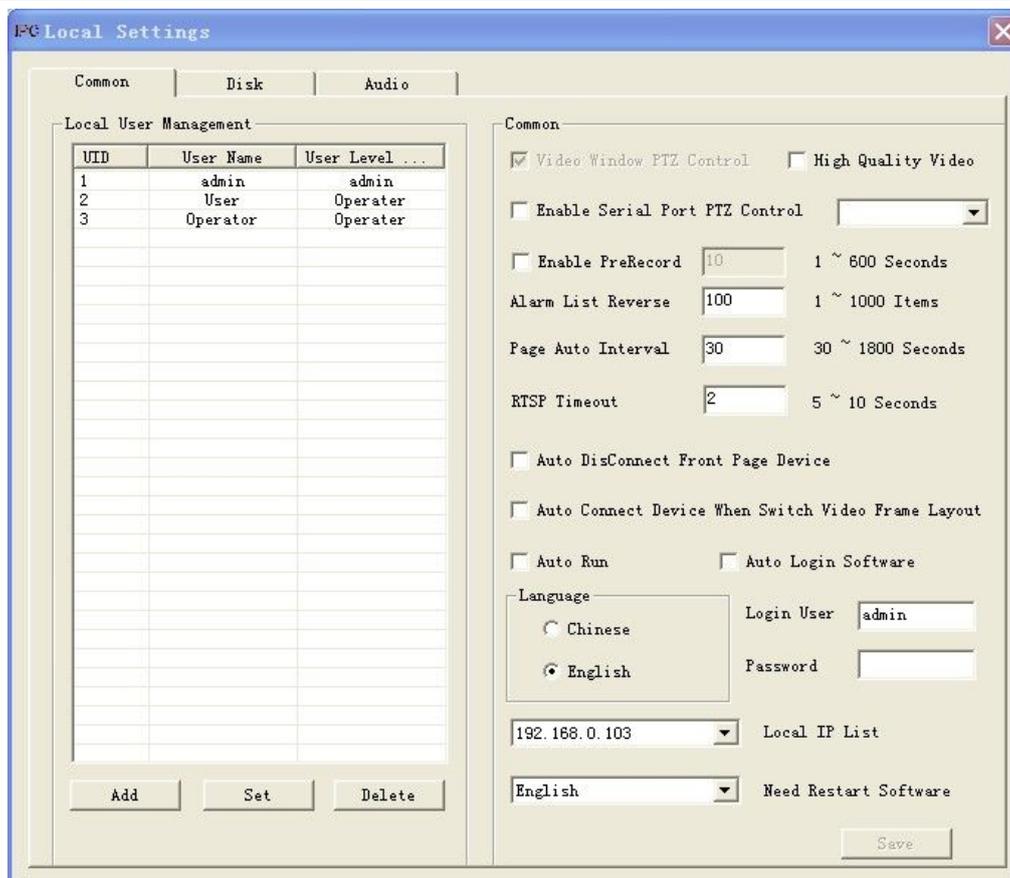


Controls up, down, left and right rotation of PTZ with the direction buttons, as shown in the figure above.

# Chapter 8 System Settings

## 8.1 Local Settings

Select **System > Local Settings** to open the **Local Settings** interface, as shown in the figure below.



### 8.1.1 Disk

Click the **Browse** button to select the path for saving videos and pictures.

### 8.1.2 Audio

Select the drive of audio input and output devices.

## 8.2 Local Alarm Linkage

### 8.2.1 Network Disconnection

1. Check whether to enable the audio prompt of network disconnection.
2. Click the **Browse** button to select the alarm audio.
3. Enter the duration of alarm audio.

### 8.2.2 Motion Detection Linkage

1. Check whether to enable the audio prompt of motion detection.
2. Click the **Browse** button to select the alarm audio.

3. Enter the alarm duration.
4. Choose to enable alarm recording.
5. Enter the duration of alarm recording.
6. Set alarm capturing.

### **8.2.3 Video Loss Linkage**

1. Check whether to enable the audio prompt of video loss.
2. Click the **Browse** button to select the alarm audio.
3. Enter the duration of alarm audio.

### **8.2.4 Detector Alarm Linkage**

0. Select the alarm linkage detector.
1. Check whether to enable the audio prompt of detector alarms.
2. Click the **Browse** button to select the alarm audio.
3. Enter the duration of alarm audio.
4. Choose to enable alarm recording.
5. Enter the duration of alarm recording.