PC-ZViewer User Manual

Zmodo®

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Contents

Preface

Thank you for using ZMODO network camera product and client software. The client software applies to integrated network cameras developed by ZMODO Company for network video monitoring, including network bullet camera, network IR bullet camera, and network dome camera and spherical camera etc. High performance, monolithic SOC chip is utilized as media processer integrates video capture, compress and transmission. Standard H.264 main profile encoding algorithm ensures clear and smooth video transmission. This series of IP camera is well suited for home and small business, as well as any situation which needs to apply remote network transmission and remote network control. It's easy to install, operate, and can be conveniently accessed via the real-time monitoring and remote control of the front cameras combining with the use of the Windows desktop software.

Statement:

The content in this manual may be different from the product version you are using. If you meet any problem which can't be solved according to this manual, please contact with our tech-support or product supplier. The content of this manual will be updated from time to time. Our company reserves the right to update the manual without notice.

Intended Reader:

This manual is intended for the following users:
• System planners
• Onsite tech-support and maintenance personnel
• Administrators for system installation, configuration and maintenance
• Users for business operation on product functions

Terms in this Manual:

IP Camera or IPC in this manual means network camera, including network bullet camera, network dome camera, network PT camera, and network IR camera and spherical camera.
• Click: Refers to a left-click with your mouse
• Double click: Refers to a left-double-click with your mouse
• Right Click: Refers to a right-click with your mouse
• Square brackets " [ ] " indicates the window name, menu name and data sheet, such as "[Download]".

Software Introduction

As IP Camera, DVR, NVR become more popular in the security monitoring industry, more and more users need network video surveillance software to meet their daily work needs. To satisfy this need, ZMODO launches its PC-ZViewer software. PC-ZViewer is the windows client software for the general users' front-end equipment and it can satisfy the users' daily management needs of IP camera, DVR and NVR.

Operating Environment

| Operating Environment	Subitem	Description
Software	Operating system	WindowsXP/ Vista/Win7/ Win8
Hardware	Basic configuration	1.6 GHz CPU, 1G memory, 1024x768 display resolution, 100G HD
	Recommended configuration	2.2 GHz or faster dual-core CPU, 2G or more memory, 1280x1024 display resolution, 500Gor larger

Zviewer Installation

Double click "Setup" for the Zviewer installation:

Select the installation path:
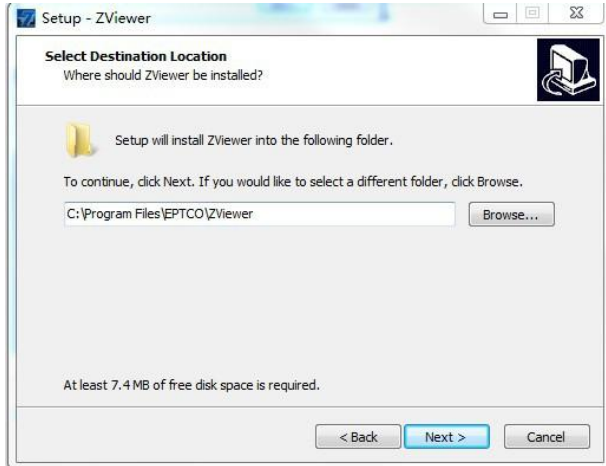
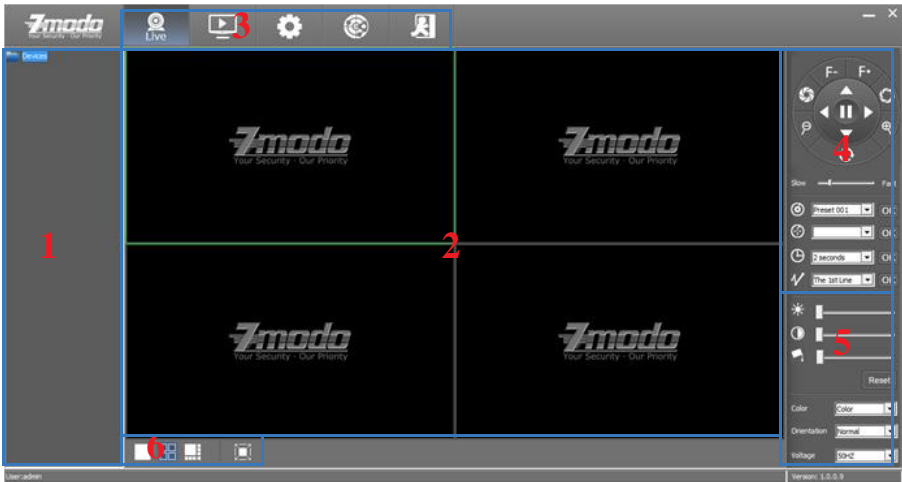Choose whether to create a shortcut on your desktop:
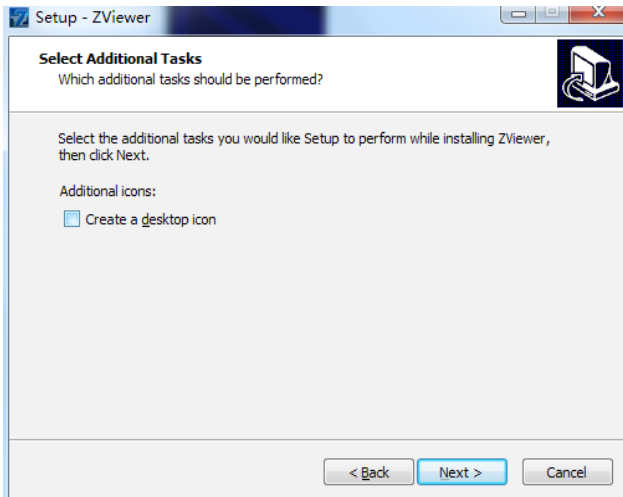
Finish the installation

Login Interface

Fill in **[User Name]** and **[Password]**, then click **[** Login **]**. The initial User Name is **admin**, password is **111111**.

Main Interface of Zviewer

| Area No.		Area No.	
1	Device tree list	4	PTZ control panel
2	Video on-demand interface	5	Image quality control panel
3	Function module options	6	Video display interface layout

Logout Interface

Single click to log out and the interface will jump back to the login interface.

Device Management

Click the **[** Setting **]** into the settings page, click the left **[** Device Management **]** to add, delete or edit the device etc.
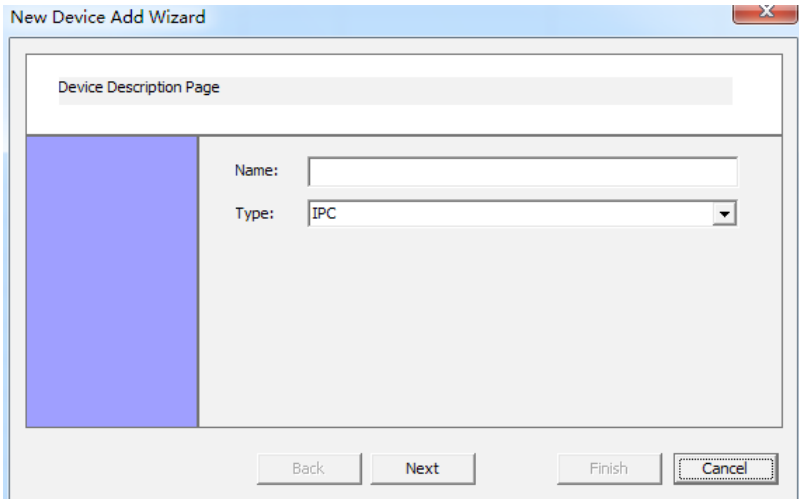
Manually Adding a Device
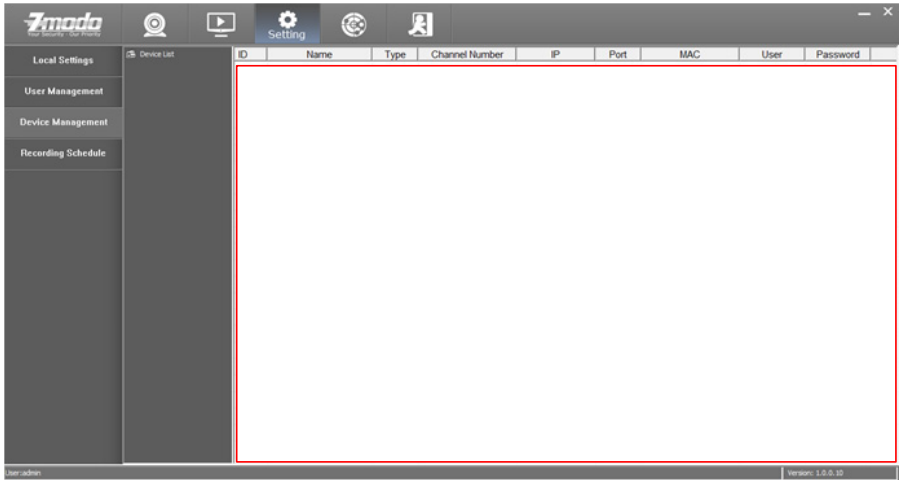
On the right information display area, right click and select **[Add]** to pop up "New Camera Wizard" interface.

Name: Fill in device name (User defined)

Type: Choose device type (IPC or NVR) IPC = IP Camera, NVR = Network Video Recorder.

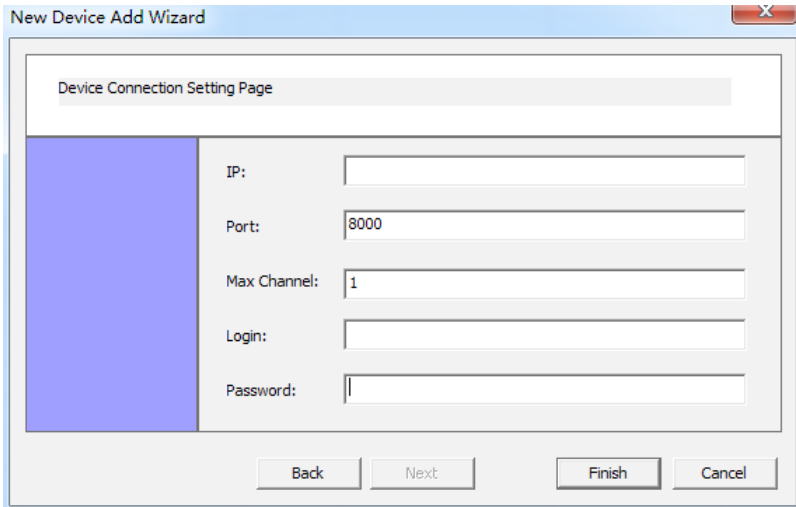Fill in the necessary information and click **[Next]** to go to camera configure interface.

IP: Fill in the IP address of the device.

Port: Fill in the device port number. (Default 8000)

Max Channel: Fill in the quantity of channels of the device.

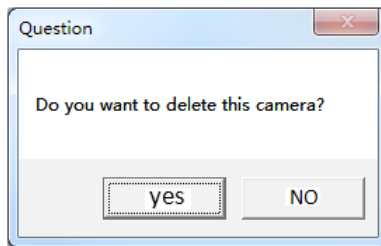Login: Fill in the user name of the device.

Password: Input the login password.

After inputting all the necessary information, click **[Finish]** to finish the step.

Delete a Device

If want to delete a camera, select the IPC and right click it once and select **[Delete]**, then the following window will pop up.

Click **[Yes]** to confirm the delete action
Click **[No]** to cancel the delete action
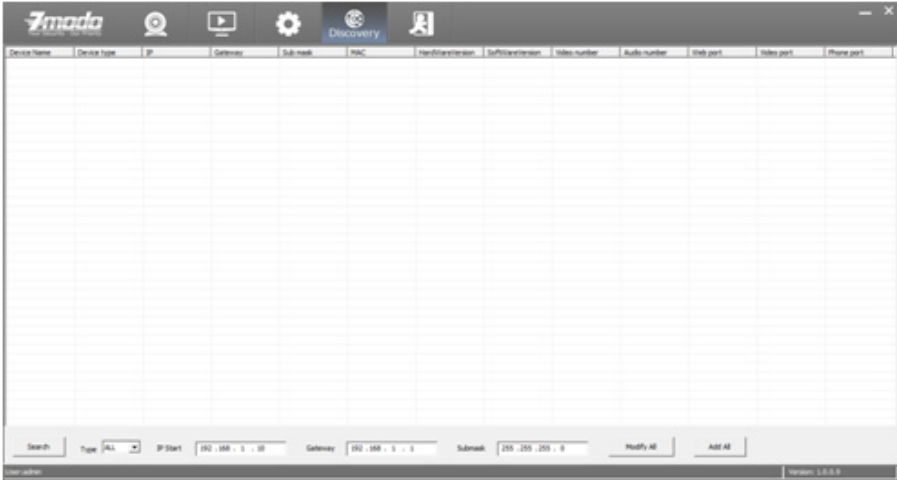
Edit a Device

Select one of the devices, right click it once and select **[Edit]** to revise the corresponding settings of the device.
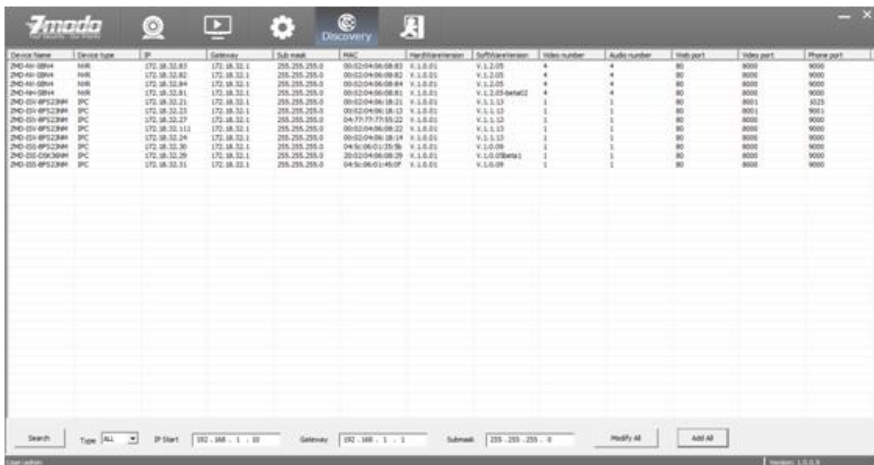
Auto Search for Adding Devices

Searching for Device

Click on **[** Discovery **]** to go to the auto search interface.


In **[** Type **]** drop-down list, select the device type (IPC, NVR or All) and click **[** Search **]** to search. The search results are as shown in the below figure. It will show the network parameters of all the devices.
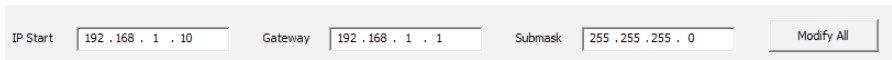
Edit the Device

Double-click any one of the searched devices and it will pop up dialog box of network parameters. You can modify the parameters of the network such as IP, gateway, and subnet mask, then click **[**save **]**.
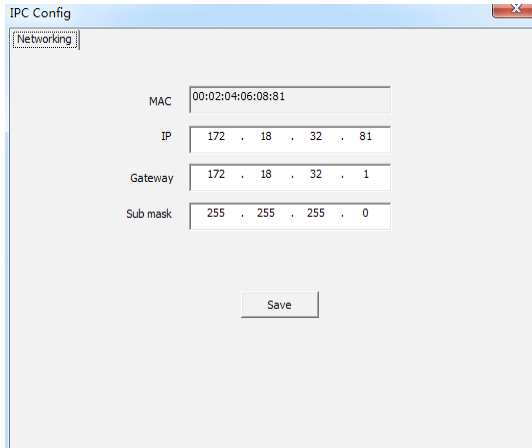
Batch Editing Devices

Set up an IP Start address, subnet mask and gateway, then click the **[** Modify All **]** button.

This will distribute the network parameters to all the searched devices within the network segment.
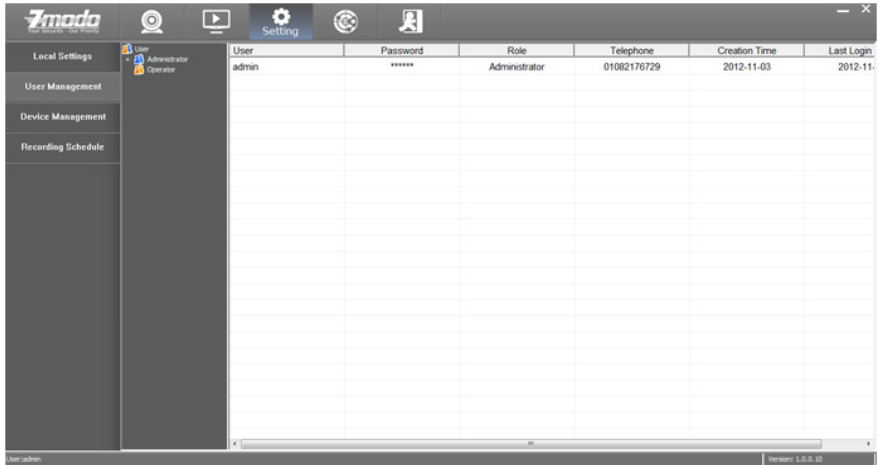
Add Device

Click **[** Add All **]** button to add all searched-out devices automatically.
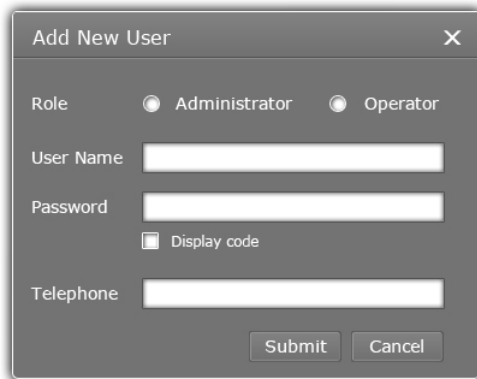
User Management

Click on the **[** Setting **]** into the settings page, click the left **[** User Management **]** for adding, deleting, editing users and doing other operations.

Add a User

Enter configuration page, select **[** User Management **]** :

In the user information display area, click **[** Add **]** to pop-up a dialog box, as shown in below figure:

[Role **]** Administrator and Operator roles are available. Administrator can make changes, Operator can only view
[User Name **]** User name needed to log in to the software.
[Password **]** Password needed to log in to the software.
[Telephone **]** Contact number of user.

Delete a User

Administrators can delete users. To delete a user: select a user and click on the **[** Delete **]**
* Admin user is the system default administrator user and can't be removed. You can only modify the password.

Edit a User

Right click on the user to be modified and select **[Edit]** to modify the user information.

Video Browsing

Click on the **[** Live **]** into the main video interface for VOD operation.

Video Display Screen

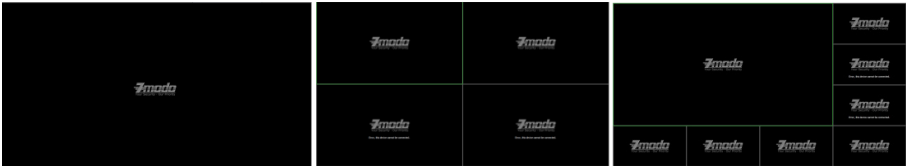Click on ☐ for a channel video display layout.

Click on ⊞ for 4-channel video display layout.

Click on ⊞ for 8-channel video display layout.

Click on ▢ for full-screen display at any layout.
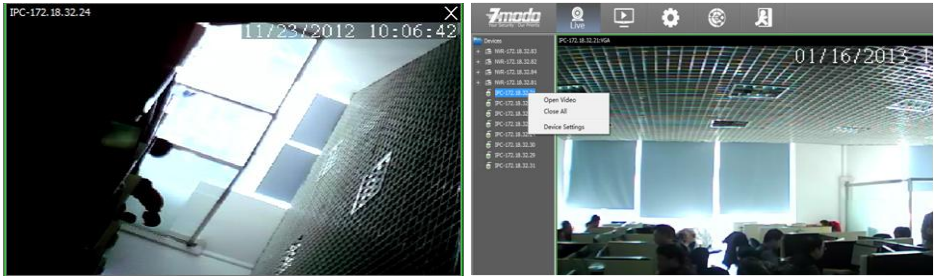

Open the Video

Drag the on-demand device to the right side of the window area to display the surveillance images. Right click and select "Open Video" to open the video.

Close the Video

Click the × at the top right corner of the open video window to close the video.

Select any one of the devices on the left side, right click and select "close all" to close all of the videos. Refer to below figure.

Screen Display Parameters
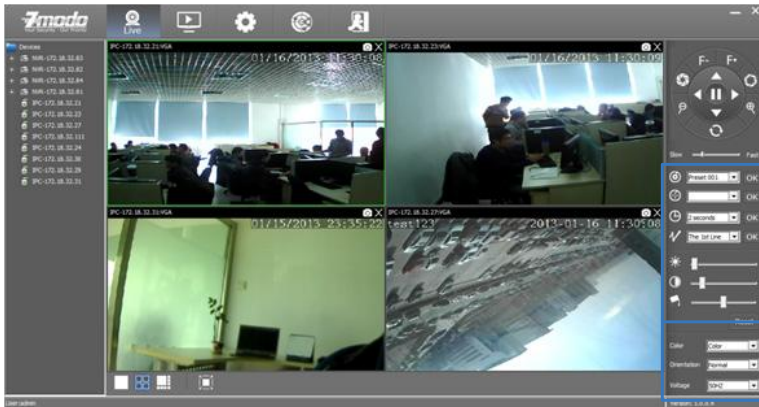
Icons	Description
Brightness	Adjust the brightness
Contrast	Adjust the contrast
Saturation	Adjust the saturation
Color	Adjust the color(black and white)
Orientation	Adjust the orientation(normal, flip, mirror, flip plus mirror)
Voltage	Adjust the voltage
Reset	Restore default settings

Recording Plan

Set the local recording plan, the selected device will begin recording at the set time period. The video files will be stored in the local PC. The file path can be modified at the **[** Local Setting **]** and the stored video can play back locally.
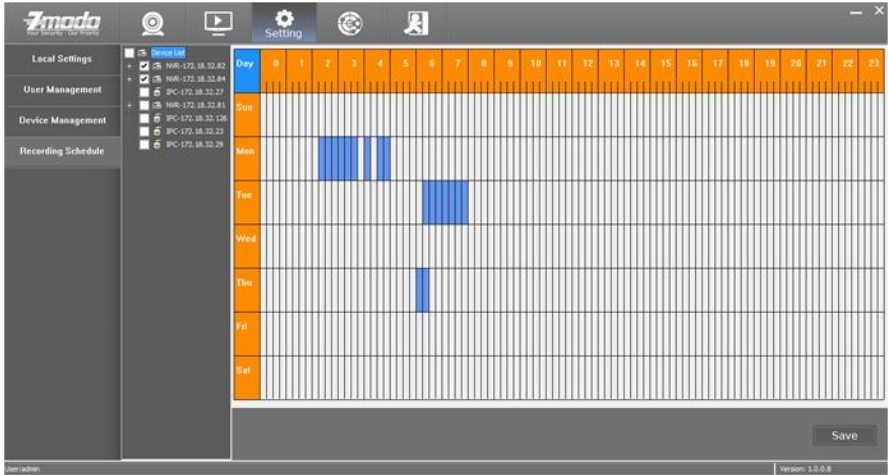
Steps for setting the local recording plan:
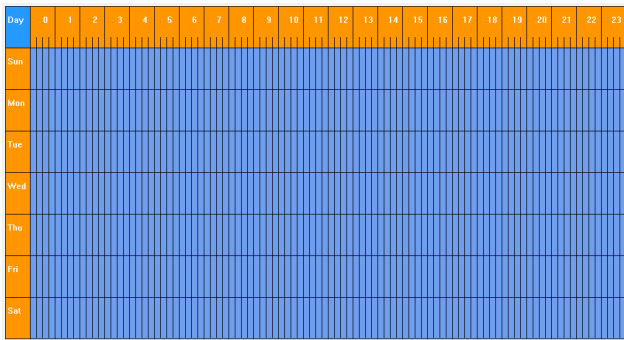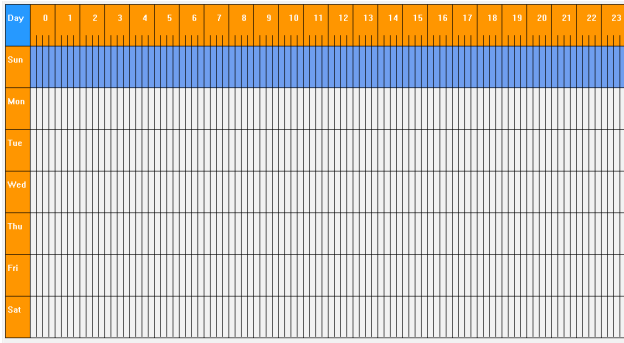1. Set the time period for recording, left click to select the time period, the selected area is displayed in blue color (click the blue area again can cancel the operation).

Note: Left click the Day to set the recording plan for the week.

Left click the weekday (i.e. | Sun |) to set the recording plan for the day.

Left click 0 to 24 area of the timeline to set the recording plan for the same time period of the week.
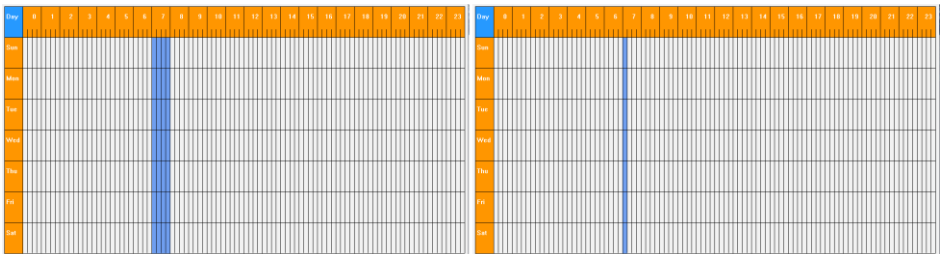
2. Click the device allocated for the recording plan to select, one or more devices can be selected and then click the **[** Save **]** button.

Double click any device to check the recording plan of the device.

Video Playback

Click the Playback button to enter into the video playback interface

Select the device from the list on the left side to playback.

Select the playback date from the calendar.

Click the ▶ button to play the video, click ■ to stop the video
Click the ▶▶ button for fast forward playback and click the ▶| for slow playback.

Drag on the time bar for playback of the video, the blue bar means there is a time period where there is video while the gray area means there isn't video.

 Control the display accuracy of the play
scale 24-hour display accuracy

2-hour display accuracy

1 hour display accuracy

00:00   00:05   00:10   00:15   00:20   00:25   00:30   00:35   00:40   00:45   00:50   00:55   01:00

0.5-hour display accuracy

00:00   00:05   00:10   00:15   00:20   00:25   00:30
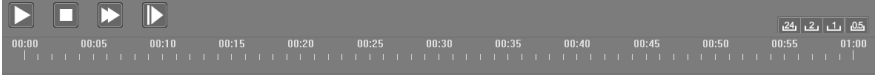
PTZ Control

PTZ control is operated through the PTZ panel.

Icon	Description
	Reset
	Zoom in/out
	Brightness adjustment
F- F+	Focal length adjustment
	Direction adjustment
	Set preset
	Move to preset position
	Set interval time
	Patrol route

Device Configuration Parameters

Select the device needed to modify parameters, right click **[** Device Settings **]** to set.
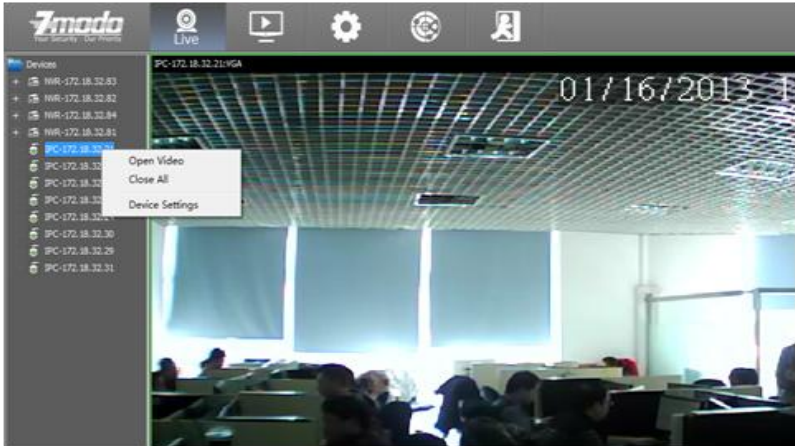
Set the relevant parameters on the popped up interface.
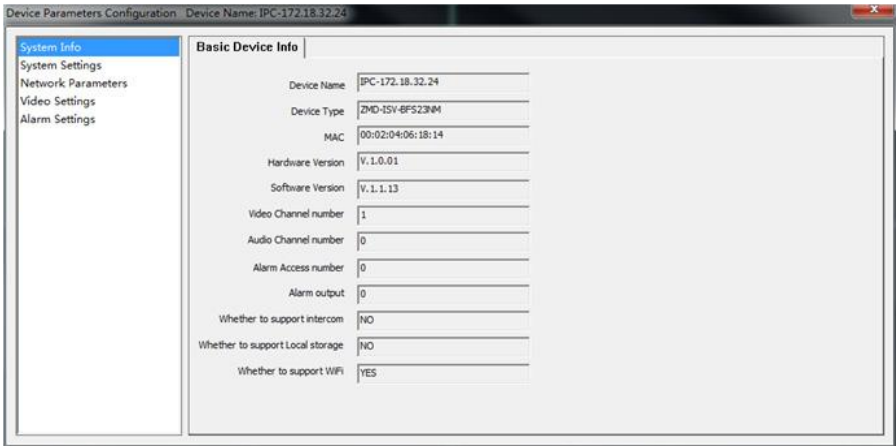
Device Information Display

Such information as ID, software and hardware version information, header information and network connection status will be displayed on the interface.

System Information Setting

Date Time Settings:
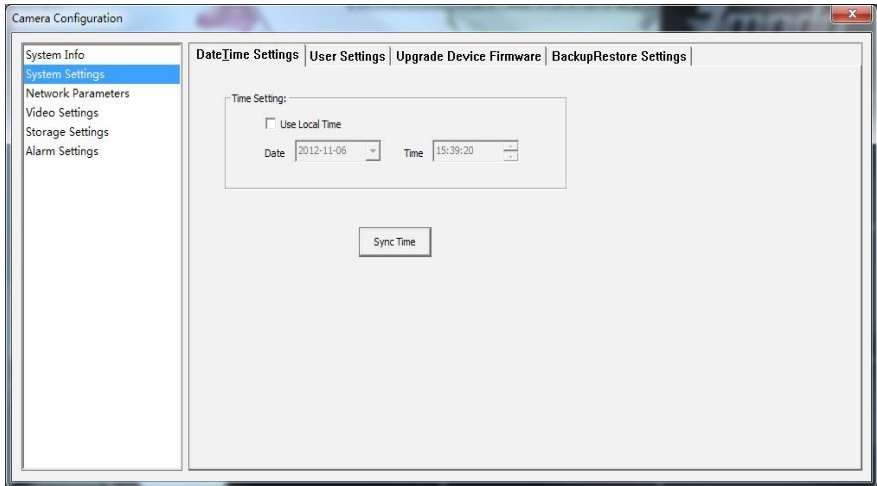
System Sync Time

[Time Synchronization] Select to synchronize the local time.
[Synchronization Method] Select [Use Local Time] and click [Sync Time] to start the PC system time synchronization.

User Settings:
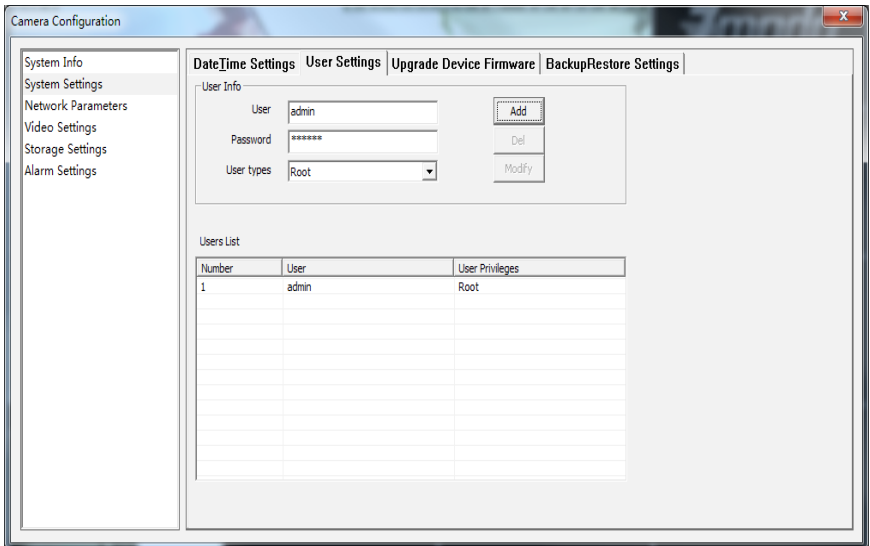
1. Each IPC can be used by multiple users.
2. User privilege: Administrator: Root
   Ordinary users: Ordinary
3. Modify password: in the password input box directly enter the new password, click the **[** Modify **]**
   to modify the password.
4. Modify user type: select one of the users, select user types and click **[** Modify **]** .

Upgrade Device Firmware:
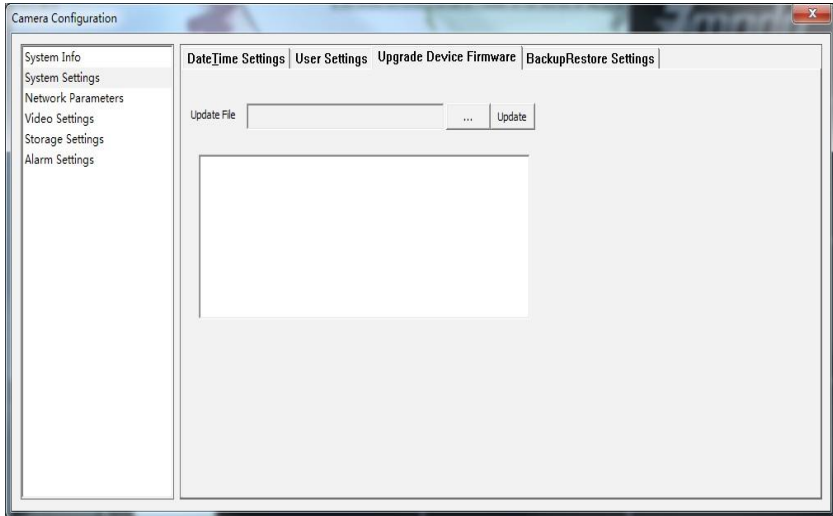
Upgrade the equipment in the upgrade interface.
Click the Browse button, select the upgrade file, and click the **[** Update **]** button to upgrade.

Backup Restore Settings:
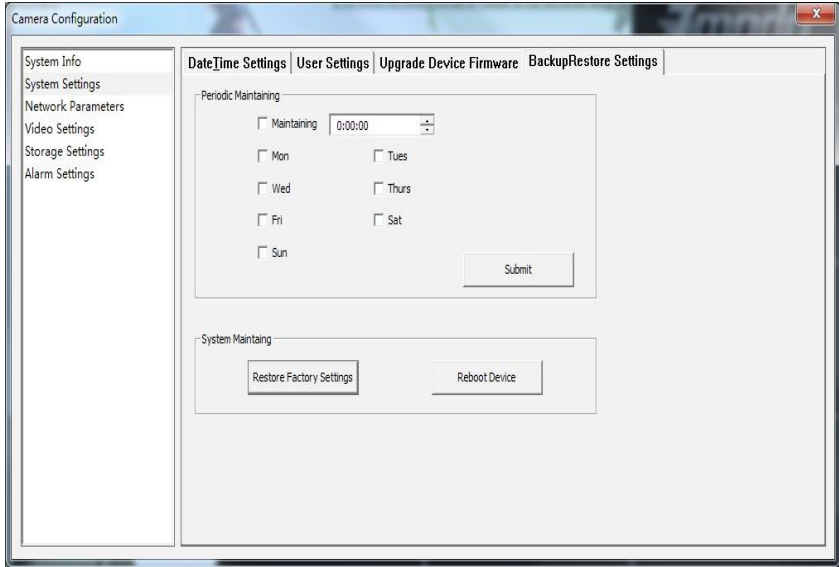
Periodic Maintaining: Choose any time of any day and set the time for auto reboot.
Restore Factory setting: Click this button to make all settings of the equipment restore to factory defaults.
Reboot: Click this button to restart device.
Backup & Restore: Equipment backup and recovery.

Network Settings

Basic Network Settings:

[DHCP] Start the DHCP function of the camera. The IP camera will automatically obtain an address from the router.
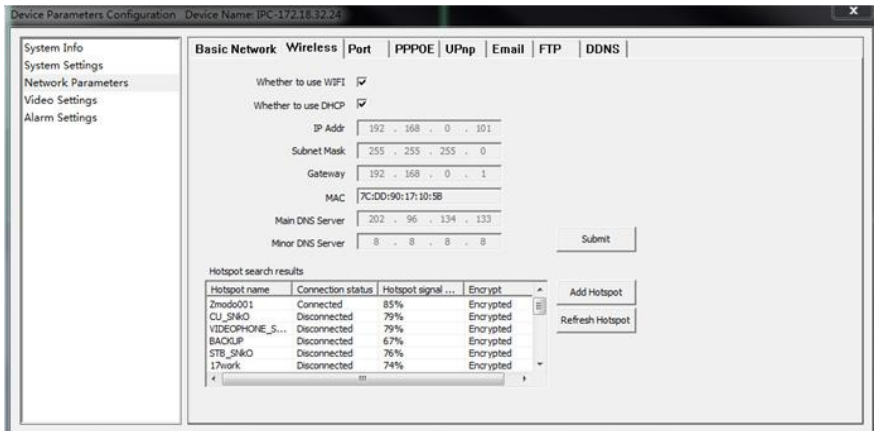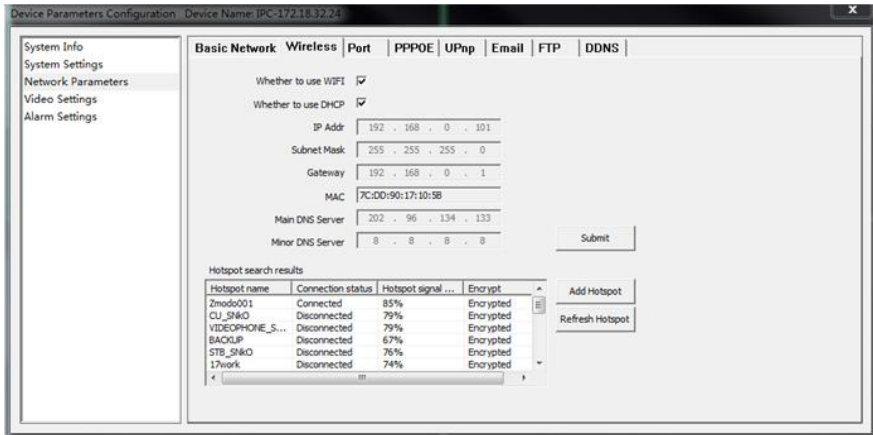**[IP Address]** Set the IP address of IP camera device.
[Subnet Mask] Default is 255.255.255.0 (Suggested not to change this)
[Gateway] Set gateway IP of IPC. This is normally the internal IP of your router.
[DNS Address] in order to use the DDNS function, the DNS address need to be set as the DNS address that manages your DDNS. (Suggested not to change this)

Wireless Lan Settings:
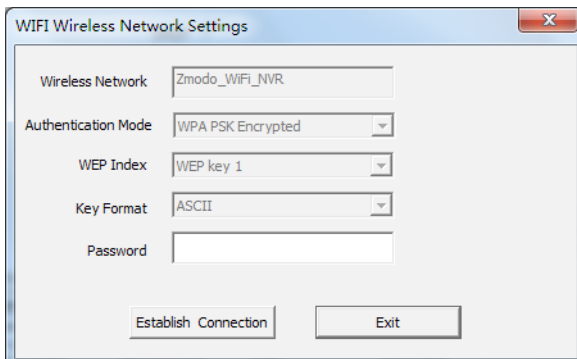

[Whether to use WIFI] Select this to start the IPC wireless network function.
[Whether to use DHCP] If the router has DHCP enabled, select it and the IP camera will obtain an address automatically from router.
[IP Address] Set wireless IP address of IP camera device.
[Gateway] Set the IP address of the current wireless gateway (Route/AP), such as 192.168.1.1.

You can select a wireless network from the auto search list or manually add one.
[Wireless Network] is SSID, is the login name of wireless network for authentication, it must be consistent with the SSID of the wireless gateway (router/AP). (Such as: TP-LINK_4A2DDC). If the SSID has a space in it such as "TP LINK_4A2DDC", then the camera will not detect or connect to the network properly.
[Authentication Mode] can choose WEP, WPA, or WPA2 encryption methods, this setting must be consistent with the security type of wireless gateway (router / AP).

[Password] is the authentication password of wireless network, this setting must be consistent with the security type of wireless gateway (router /AP).
Save parameters after all settings are done. Now unplug the ethernet cable and the camera will connect to the wireless network.

Port Settings:
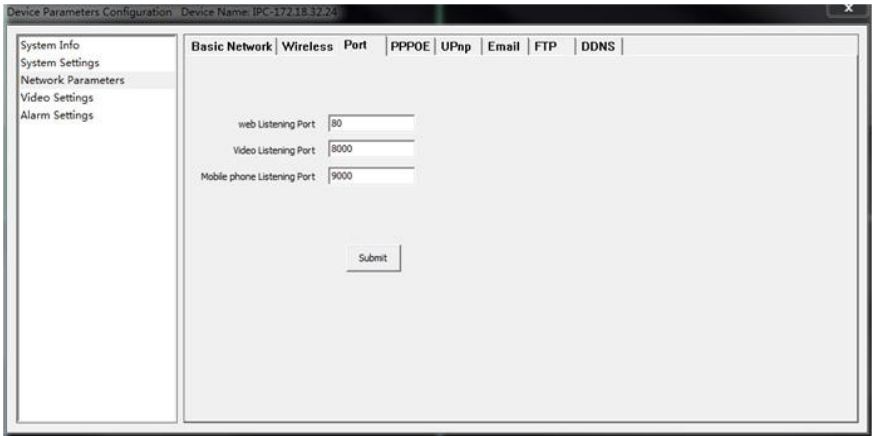
[Web Listening Port] The default value is 80.
[Video Listening Port] The default value is 8000.
[Mobile Phone Listening Port] The default value is 9000.

PPPoE Settings:
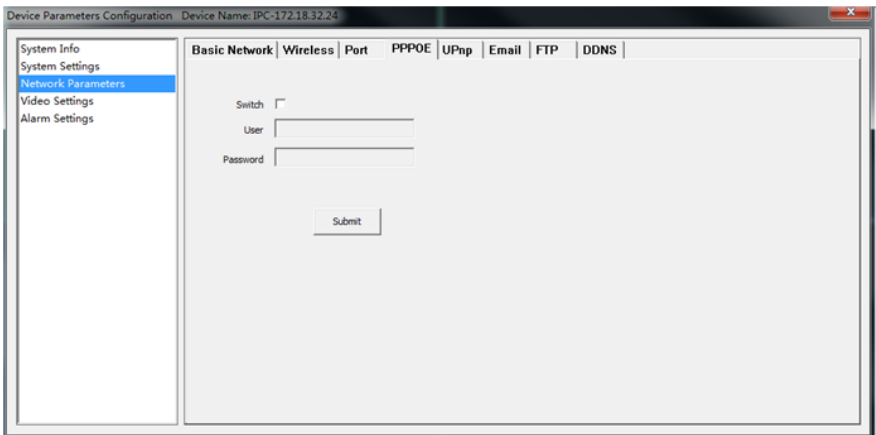
[Switch] Tick **[Switch]** to select the PPPoE dial-up mode.
[User] The user name - must be obtained from Internet service providers.
[Password] Password - must be obtained from Internet service providers.

UPnP Settings:

[Switch] This enables or disables UPnP. If the router supports UPnP, this will automatically forward the necessary ports in your router.
[web Mapping Port] set the web port which will be mapping to the server.
[Digital Mapping Port] set the digital port which will be mapping to the server.
[Mobile Phone Mapping Port] set the mobile phone port which will be mapping to the server.

DDNS Service Settings:

[Service Provider] 3322.org or dynDDNS.org selectable.
[Domain] the device domain which is set by user, such as golinwei.3322.org.
[Register Name] The user name you used to register with the DDNS provider.
[Password] The password you used to register with the DDNS provider.

Mail Service Settings:

[SMTP Server **]** SMTP email server address, different email service providers have different email server addresses.
[Email Receiving Address **]** Email address to receive the email, up to 4 addresses can be added.
[Email Sending Address **]** Email address used to send email.
[SMTP Password **]** Log in password for the email inbox.
[SMTP Port **]** Port of SMTP Server, different email servers have different port.
[Email Title **]** The title of the email the software will send.

FTP Service Settings:

FTP services will send the alarm triggered recording file or captured photo via FTP to certain FTP server.
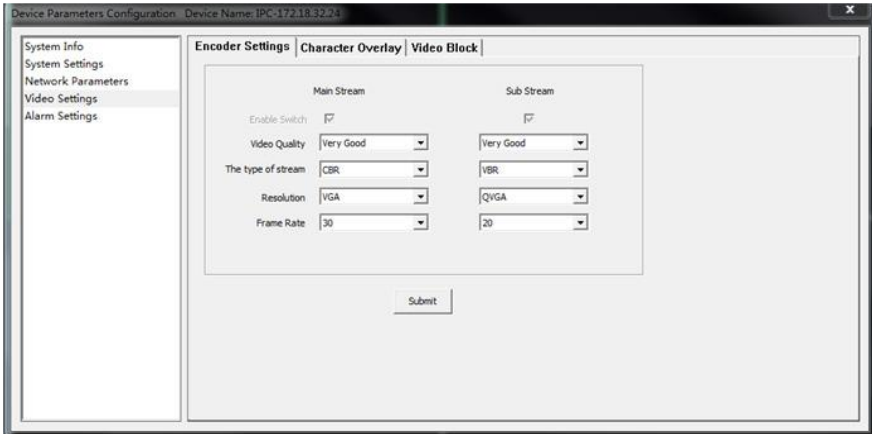**[** FTP Server **]** IP address or HTTP network address of FTP server.
[FTP Port **]** Port of FTP server, default port is 21.
[FTP User Name and Password **]** User name and password of FTP Server.

Video Settings

Encoder Settings

[Video Quality] User can choose the image quality they need: best, very good, good, common, or poor.
[Stream Type] Two types: CBR (Constant bit rate) and VBR (Variable bit rate) to choose, CBR applies a constant bit rate coding, VBR applies a variable bit rate coding.
[Resolution] Set image resolution, VGA (640*480=307200 pixels) recommended for Main Stream and QVGA(320×240=76800 pixels) recommended for Sub Stream.
[Frame Rate] Set frame rate per second. Under slow network conditions, you can reduce the frame rate to control the coding bit rate and ensure smooth video in playback.

Character Overlay
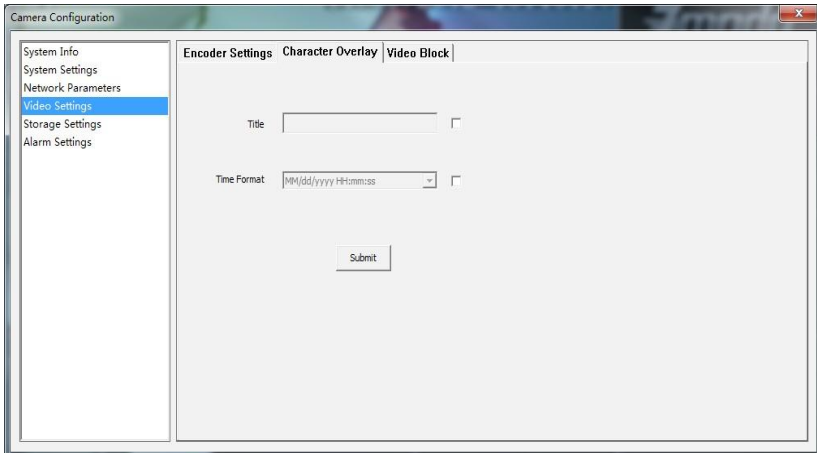
[Title] Name of video channel will be shown on the up left of the image, max supports 16 characters.
[Time Format] You can choose whether to display title and/or date and time. You can also adjust the time format.

Video Block

Users can set the image mask area by clicking and dragging the mouse cursor or cancel the shield area by right clicking the mouse. You can choose to shield the entire image, or only shield the part of the image. It can mask up to four areas.
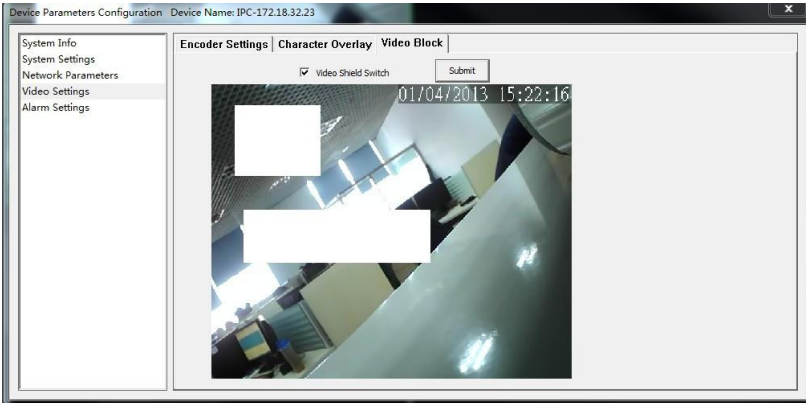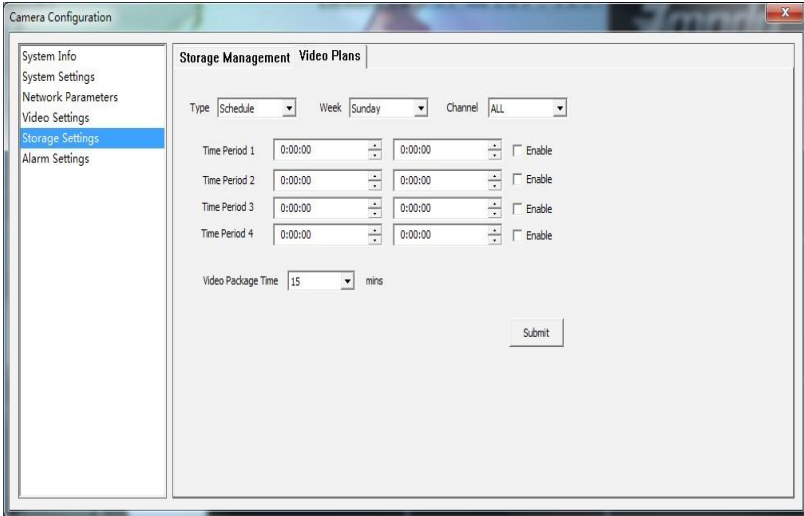

Storage Management
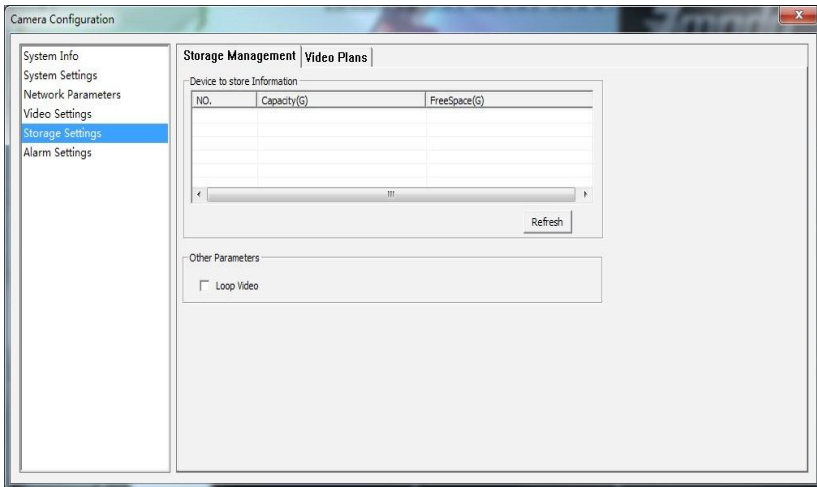
You can view the total disk capacity and the remaining space and set loop video.

Video Plans

[Type] The type of recording you want to use. You can use Schedule or Alarm.
[Week] The day of the week you want to use for the recording schedule.
[Channel] The channel that you want to follow the recording schedule you are setting.
[Time Period Setting] The time frame you wish to record during the day. You can set up to 4 time periods.
[Video Package Time] The length of the files the software should record. They can be in 15, 30, 45 or 60 minute file lengths.

Alarm Setting
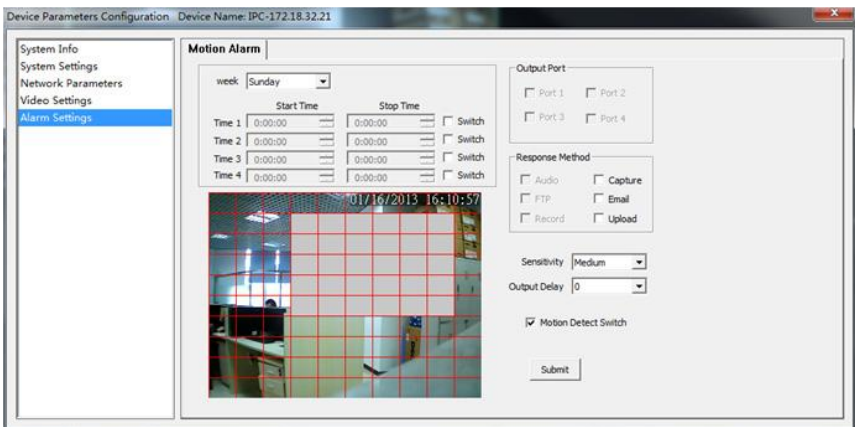
[Protection Time Setting] Set the protection time for motion detection. It can set detail time period of everyday, up to four time period.
[Motion Detection Switch] Set whether to edit the mobile area or open the motion detection.

[Motion Detection Setting] After enabling motion detection switch, the grid lines will appear. User only needs to click the little cube on the image to set the motion detection area. Right click the little cube to cancel related area detection.
[Alarm Action Mode] Set linkage output format for triggered alarm. Sound alarm or sending email can be selected. Sending email is sending motion detection alarm information via email to user.
[Sensitivity] The sensitivity of motion detection includes four levels: high, little high, mid, and low.
[Output Delay] Set delay time of alarm linkage, time range is limited between 0~30 seconds.

System Settings

Click on the [Configure] into the settings page, then click the [Local Settings] on the left.
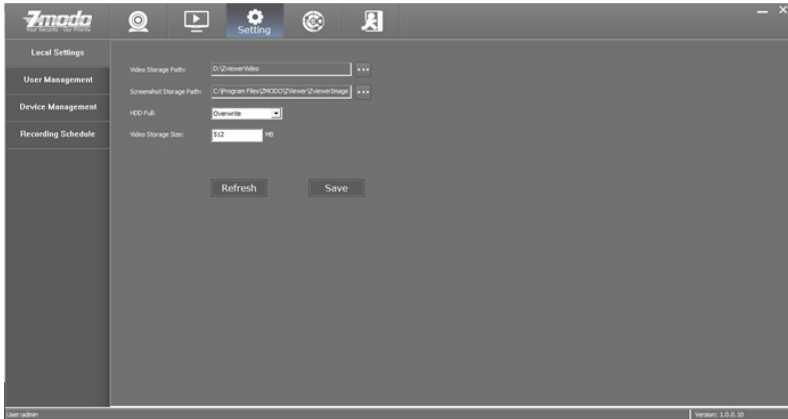
[Video Storage Path] Set local video path. This is the directory where Zviewer will store all videos. The default storage directory is: \Zmodo\Zviewer\ ZviewerVideo.
[Screenshot Storage Path] Set capture image storage path. The default storage directory is \Zmodo\ZViewer\ ZviewerImage.
[HDD Full] Operate after the hard disk is full, can choose to [Overwrite] or [Stop Record].
[Video Storage Size] Default is 512M, minimum is 100M.

Uninstall Zviewer

Find unins000 at installation directory

Double click Uninstall ZViewer for Zviewer uninstall

Your Security · Our Priority

Lifetime Customer Support
Informative Knowledge Base at kb.zmodo.com
24/7 Live Support on www.zmodo.com

Mailing Address:
Champaign Office: 1401 Interstate Drive, Champaign, IL 61822
Los Angeles Office: 17870 Castleton Street, Suite 200, Industry, CA 91748