



Setup User's Manual

Tips:

Network cameras on the market a variety of different options. Between the software may not be the same, or even incompatible. This manual is only suitable for the use of the products in this series.

To ensure your safety, proper use of this product, read this manual carefully before you start using. Any installation or operation problems, please contact our technical support.



CAUTION: This product can be used as high-end monitoring equipment with video and audio recording function. Please confirm the

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<1> Hardware Installation

Network camera line with standard Ethernet (Ethernet) network connection, connect the power to

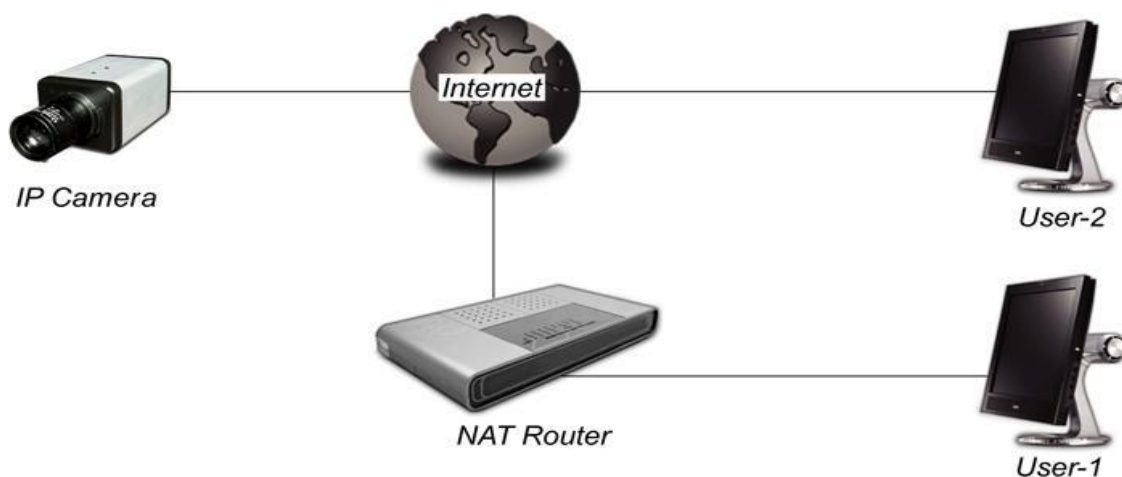
If you only use the LAN, you do not need to do special network settings, is a "plug and play" hardware.

As used in the Internet (Internet), refer to <4> Set network. Average user network environment has the following two. Any special requirements, please contact network technology service providers.

<1.1> Network Camera is directly connected to the public domain.

First network camera used pairs of wiring is connected to on the computer. In accordance with to the broadband the the requirements of of the suppliers (ISP), in the SETUP lieutenant general its set to DHCP to automatically to obtain the the IP, PPPoE dial-up Internet access or Public IP the public network IP (Reference <4> set up the network).

After setting, refer to the diagram wiring network.



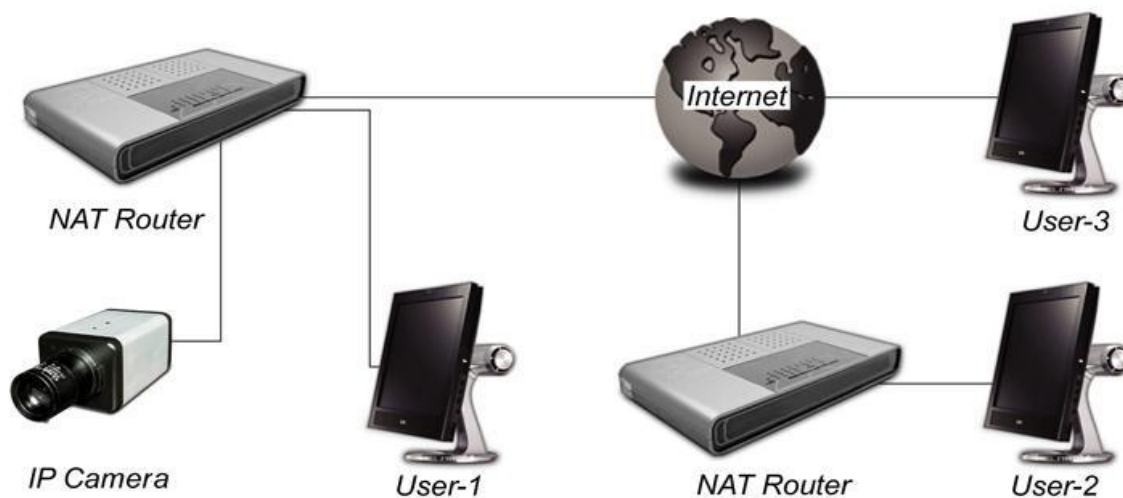
Map 1

<1.2> Network cameras connected to the local area network (LAN).

Network cameras connected to the local area network (LAN).

This equipment can be installed directly in the LAN does not require an external IP.

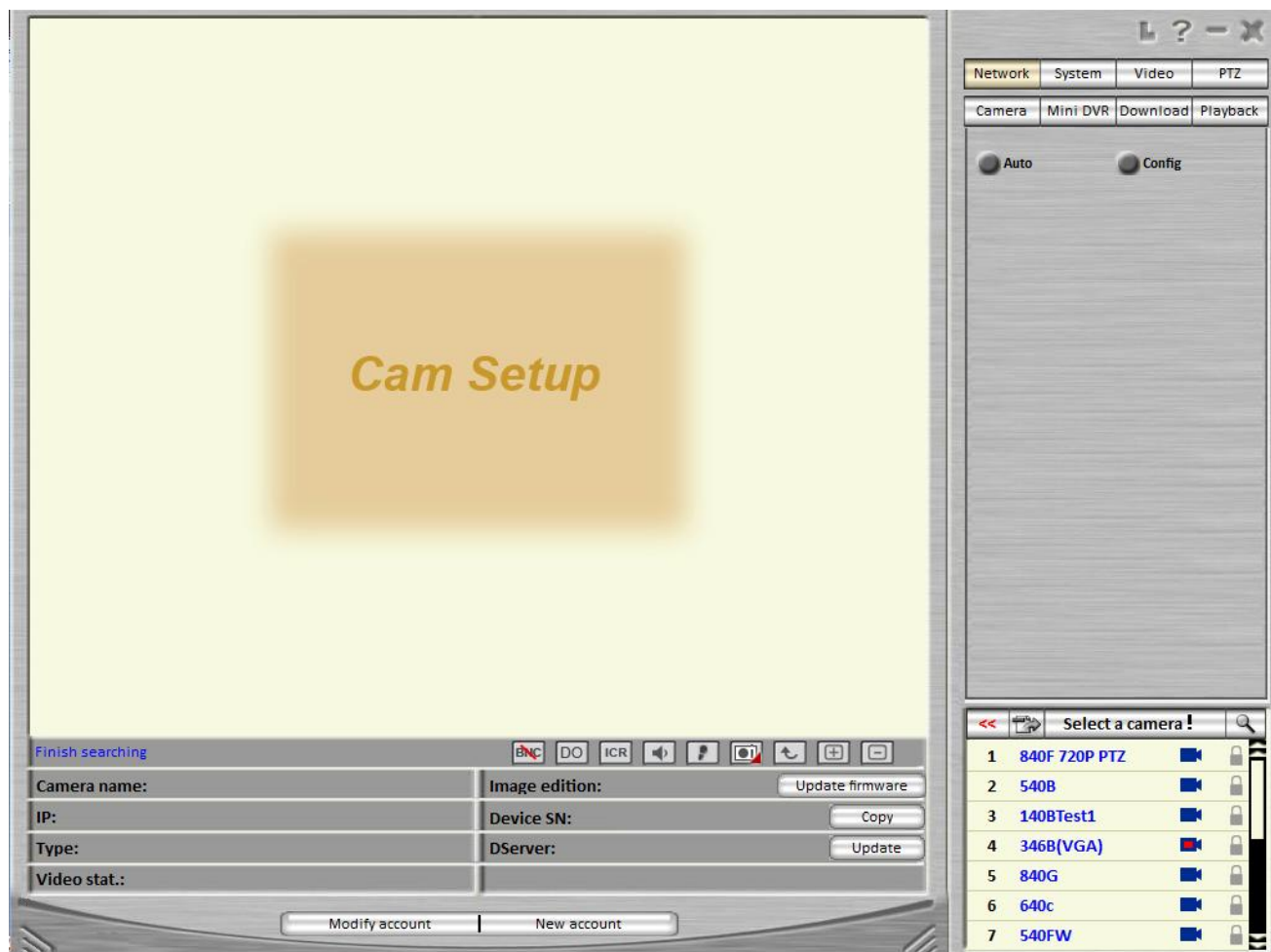
Refer to the following diagram to connect the way, depending on the settings of the local area network, online network camera is set to DHCP to automatically obtain IP or Static IP Static IP (reference <4> to set up the network) Internet.



<2> Install application software

<2.1> Setting interface (Setup software)

Click on the right side of the middle run Setup "to enter the local monitoring and setting interface.



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1. In the lower right corner of the camera name on the list, it will automatically search all available in the LAN network camera name.Said, and in different colors to distinguish between different feature set.
 - Deep Blue: connect to the server
 - Pink: do not connect to the server
 - Red: selected mode
2. Displayed in the lower left open the camera.。
 - camera names: road cameras are watching this name.。
 - Image edition: camera version of the software you are watching.。
 - IP address:'re watching the way the camera's IP address.。
 - Device ID:'re watching the way the camera ID number.。

➡ Dserver: The address of the server registered by the registration server cameras are watching.

3. LAN monitoring

"Camera Name" list, double-click the the viewing device name, the device name will change to **red**. User can always double-click the name of any device, to watch the real-time screen. The LAN can people watch the same or different devices at the same time.

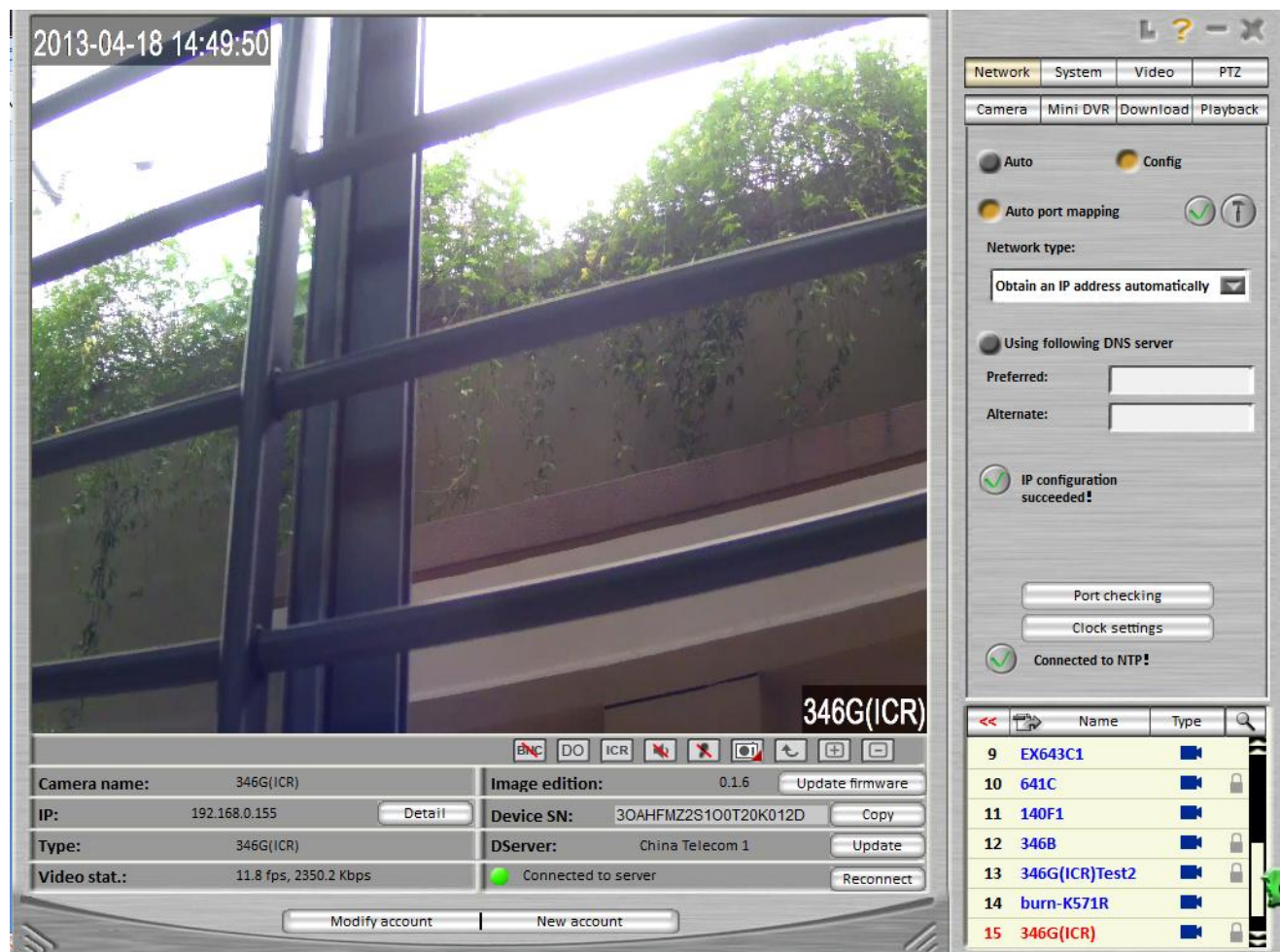
4. Camera status flag

Blue camera icon: means that the equipment online no SD card.

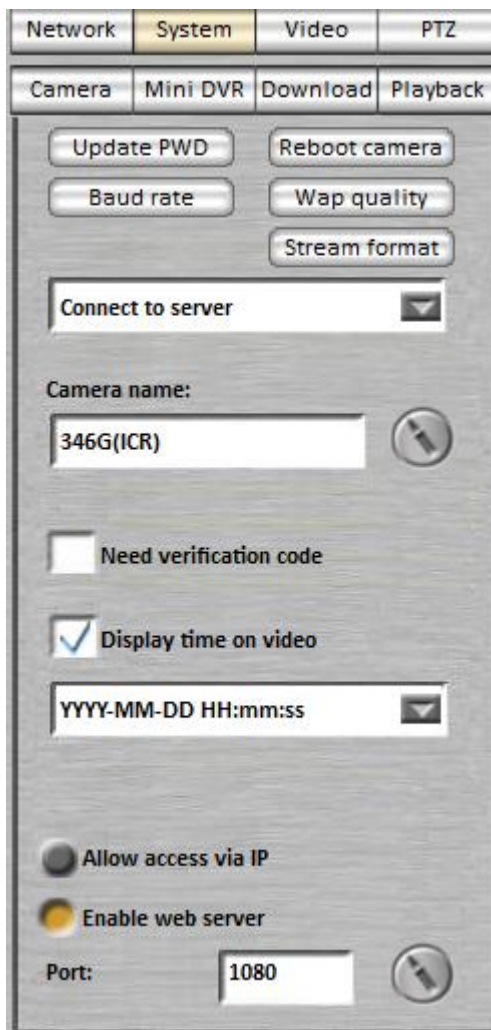
Green camera icon: on behalf of the device SD card but not enabled SD video.

The still red camera icon: on behalf of the device SD card to enable the video but is not currently recording (such as set up scheduled recording, but the current plan or set the event recording, but is not currently detected movement)

Beating the red camera icon: on behalf of the device SD card and SD card recording is currently in progress

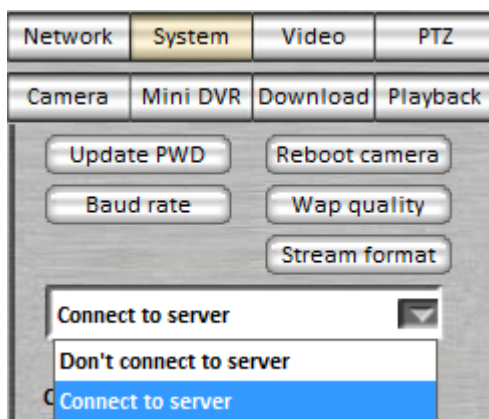


<3> System Tools



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<3.1> Mode is set



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Click "System Tools" to switch to the system settings interface.

A. Update the password: Set or change the camcorder password.

I) (such as setting up the hardware password, all users are required to enter the correct password to view it)

II. Restart the camera: Restart the camera.

III. Address and baud rate: Set the address and baud rate.

IV. Phone image quality: set the phone to see the image quality.

V. Streaming media encoder options: set to use RTSP / RTP / RTCP protocol access to the camera stream encoding type.

VI. Operating mode: <3.1> said.

VII. Camera Name: You can enter at any time to change the name.

1) Click on the pencil icon to make changes.

VIII. Mobile phone watch requires authentication: Check this phone to view this camera need to authenticate.

IX. At the top of the video display time: Select this time will be displayed at the top of the video. Show time is a part of the video can not be deleted. The user can update the time format.

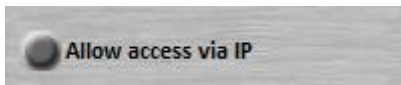
Click "System Tools" to switch to the system settings interface. Distinguish between different modes in order to avoid the conflict and distress of the user in the actual operation. Although a step some trouble, but to protect the integrity of the individual functions in practical applications. Each one of the working modes have different features, in order to adapt to different environments.

Do not connect to the server: If the user has a fixed IP or network (LAN), including use, you can not connect to the server.

Connect to the server: (1) The user does not have a fixed IP, and must select Internet mode from the remote viewer to watch the real-time image;

(2) user needs DVR NVR remote camera video storage, and the need to use local time, select the NVR mode.

<3.2> Allowed to enter the IP address directly access the camera



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Allow enter the IP address directly access the camera:

The default state is open, you can directly enter the IP address by viewing the camera on the Viewer. Turn off this feature, you can not directly enter the IP address in the Viewer to watch this camera.

<4> Network Settings

<4.1> Wired cameras

If the network camera only in the LAN, without special network settings, "plug and play". In the LAN Setup software can watch or set all online network cameras. NVR2008 software can watch in the LAN network cameras or video online.

For remote monitoring of the Internet, in monitoring the end user using the Viewer software to view or set, must be set to the network it can connect to the Internet (Internet). Network camera does not have a public IP, can still be used, but must set the registration server (dServer) registered account, log in to view account and password.

Network cameras can be connected to different network environments on the network, the user should be in accordance with the needs of the network environment, complete the network parameter settings.

Network settings in two ways:

(1) Auto Setup: Auto Get IP automatically mapped to application port and mobile phone viewing port (requires the user to be opened in the router the UPNP functions, such as TP-LINK UPNP settings: upnp settings in the router settings page, select the forwarding rules, upnp current state of the Close, then click the "open" button to open the uPnP function; clicking the "port test" button, can the detailed test applications port and mobile phone viewing port by)

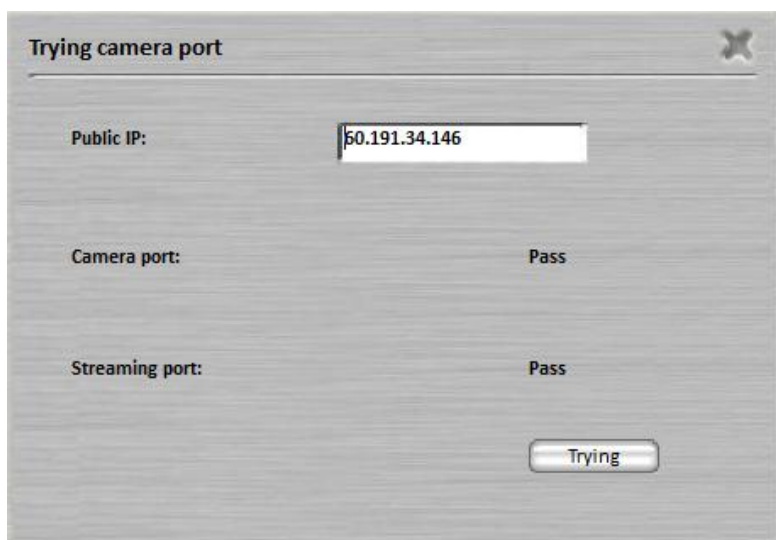
1. Automatically obtain an IP address successfully (in front of the icon turns green)
2. Port mapping on the router (in front of the icon turns green)
3. Normally connect to the server (in front of the icon turns green)
4. Connection time server successfully (in front of the icon turns green)



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Port test:

You can test the application to connect to that the whether the camera be able to the connection is successful.

(2) Manually set: according to the actual situation, the user may have the three connected network, using the specified IP address automatically obtain an IP address, PPPoE dial-up Internet access (Click one way links to quickly jump). On the settings of the three ways described below:

1. Network type: specify the IP address.

1. IP address: Input an unused IP address in LAN.
2. Mask: The same as the PC in LAN.
3. Gateway: The same as the PC in LAN
4. Preferred DNS: Please use the DNS address provided by ISP, it should be the same as the PC in LAN.
5. Alternate DNS: Option. Used when the preferred DNS is down.
6. After setting, press "Save". IP cam will connect to internet based on the setting.

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Manual port mapping, you can not enable automatic port mapping must manually configure the application port and mobile phone viewing port, and then do port mapping application port on the router web and client viewing port, mobile phone viewing port is mobile from here.with the port. Set the camera port, the camera will automatically set the camera port, take a sequential three-port is automatically set.

2. Network Type: Obtain an IP address automatically (DHCP)

If the user chooses to automatically obtain an IP address. Generally do not need to fill in the other parameters.

"Use the following DNS server addresses option should remain the factory does not start settings.

After completing the settings, click "OK" to save. Network camera will set the connection on the network

Use, you need to enable automatic port mapping.

3. Network type: PPPoE settings

Network camera through PPPoE to connect to the Internet directly without the need for additional equipment.

Fill in the appropriate user name and password provided by the ISP and once again confirm the password.

After completing the settings, click "OK" to save. Network cameras will be set up to connect to the network.

<4.2> Wireless Camera

Network Settings section of the wireless camera, wired camera network settings, divided into "wireless" and "wired" two modes, both modes, the camera can automatically set and manually set.

1) When the camera is in the wireless status, can only use the "wireless" mode To switch to using a wired setup will prompt the camera in wireless can not switch for wired; (such as video cameras for wireless, select "use the wireless mode)

2) When the camera is wired, both models can be used; (with the use of wired camera)

Network	System	Video	PTZ
Camera	Mini DVR	Download	Playback
☒ Wireless ☐ Wired ☒ Auto ☐ Config ☒ IP configuration succeeded! Repair ☒ Port-mapping succeeded on route Repair ☒ Connected to server! Repair ☒ Connected to NTP! Repair Clock settings Port info Port checking Wireless settings			

The first use of wireless camera, the first camera to plug the Internet cable, find the camera setup camera list, select the view, and do the following settings in the setup.

- 1) Double-click to select the wireless camera;
- 2) select "Use wireless network settings";
- 3) according to user needs to select "Auto setting" or "Manual Setup (use consistent with the wired camera);
- 4) Click on "Wireless Settings" button will pop up the wireless settings dialog box, make the following settings;

The image shows a 'Wireless Settings' dialog box with a close button in the top right corner. It has a status section at the top with the following information: SSID: ASUS, Link Speed: 54.0 MBps, and Link Quality: Good. Below this is a 'Rescan' button. The main area has four tabs: 'Basic' (selected), 'Secure', 'Survey', and 'Advance'. Under the 'Basic' tab, there are two dropdown menus: 'Network type' set to 'Infrastructure' and 'Select SSID' set to 'ASUS'. At the bottom of the dialog is a 'Save' button.

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SSID: wireless network name

Link Speed: wireless connection speed

Link Quality: signal quality of wireless connection

(If none of above three is displayed, which means the wireless camera doesn't connect to wireless router.)

Basic setting:

1. Network type: Infrastructure

Select SSID: Choosing available wireless network

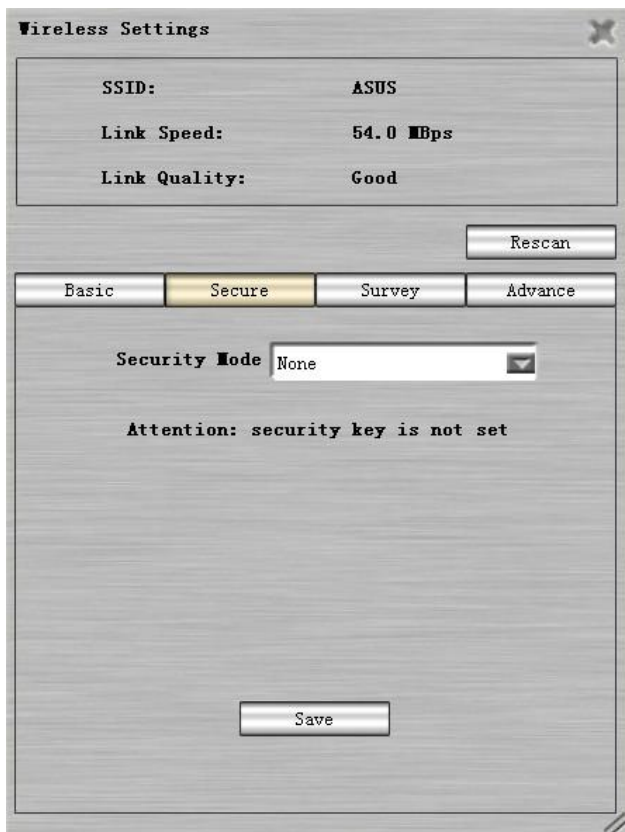
2. Network type: Ad hoc (as below picture)

Select SSID: Choosing available wireless network

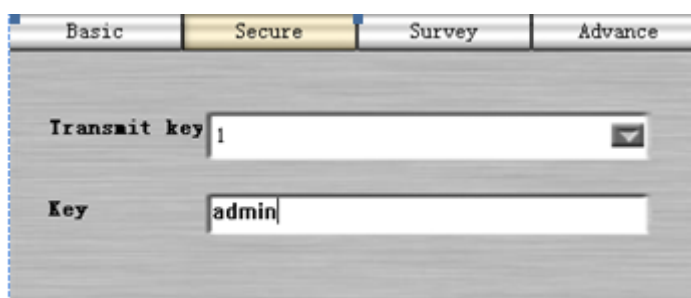
Adhoc Channel: Choosing wireless channel

The image shows the 'Basic' tab of the 'Wireless Settings' dialog box. The 'Network type' dropdown is now set to 'Ad hoc'. The 'Select SSID' dropdown is empty. A new 'Adhoc Channel' dropdown is visible, set to '11'. The 'Save' button remains at the bottom.

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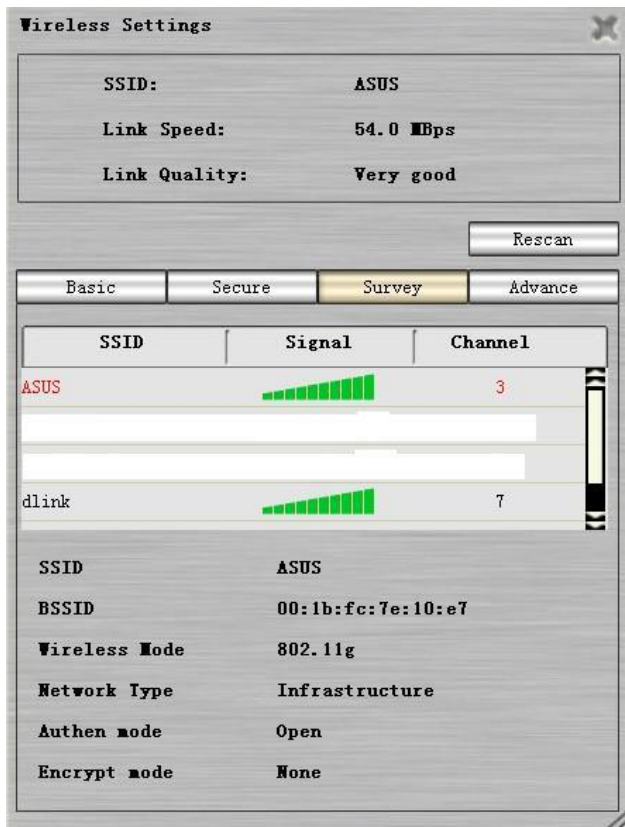


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Security settings: (1) If the wireless network key security is set to None (Figure 15)
(2) If the key wireless network security is set to be consistent with the wireless network (see Figure 16)

Note: The key index provided by a router, different routers have their own options.

Note: The wireless camera supports only WEP encryption (the first does not support WPA encryption)

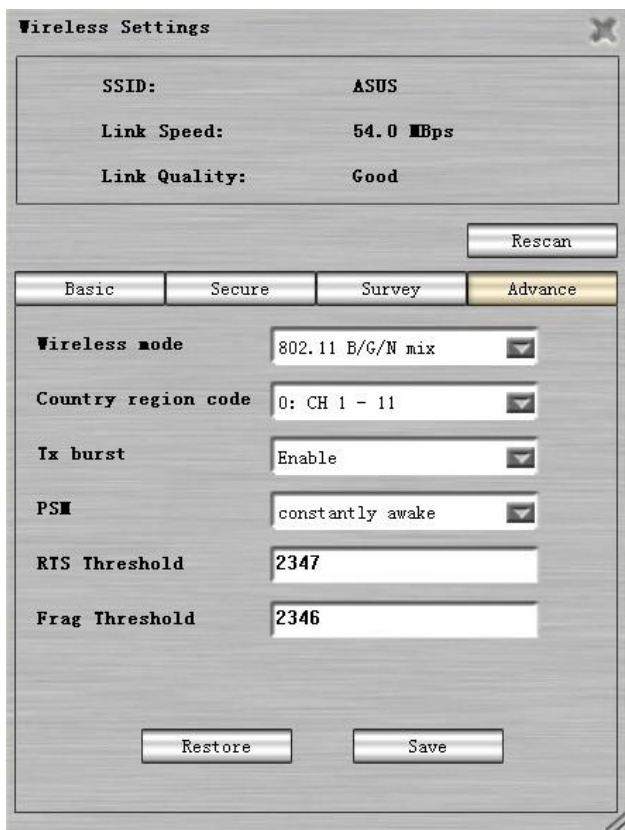


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Network Information: Displays the wireless network conditions (Figure 17)

Advanced Settings: General select the default settings, click Restore Defaults (Figure 18)

Click "OK" after the wireless settings successful wireless IP camera is displayed in the lower left corner of the setup IP will



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The wireless settings after a good, unplug the the network cable on the the in the wireless camera, is run on a so that the your camcorder in order to a wireless status into.

<5> Account (Account ID) and password (Password)

Registered account can facilitate the management and authorization. An account can manage multiple cameras, may also authorize multi-user viewing. The Register can achieve multiple cameras share a single public IP address. Users through a remote connection cameras, to ensure that the support Internet transport protocol, in order to connect successfully. The camcorder uses a private IP address, the user can not be connected directly to the network camera. The solution is to use dynamic DNS technology DDNS.

We provide the public network server (<http://pc.easyipcam.com>) registered on the account, and store the device ID of the network camera, rserver server will be responsible for parsing the address of the camera (**provided that the camera has been mapped to the private IP address public IP address of the router or other device**), as long as users Lo Kee registered account you can easily achieve remote viewing.

When you want to remote viewing, simply use the account login to the server, you can see all online cameras registered in your account.

Specific steps are as follows:

1. camera access Internet.

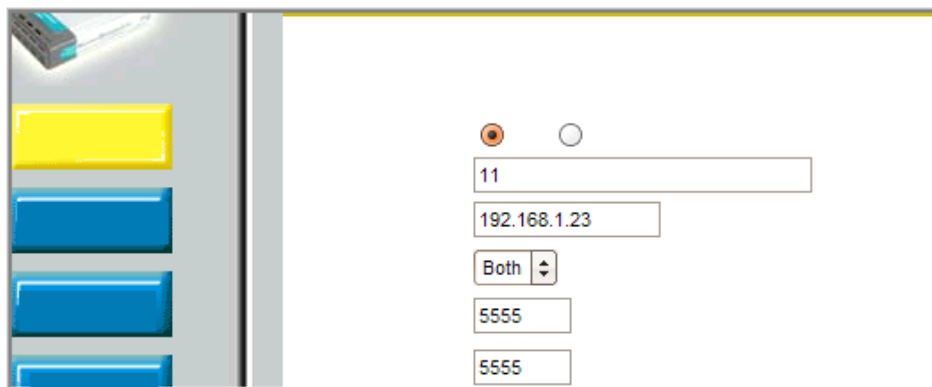
According to the actual situation, the user may have three ways to connect network, PPPoE, DHCP, Static IP.

Specific settings, see Network Settings (click to look at)

If the user then use private IP LAN port mapping when the line to make the D-Server can access the camera.

Mapping the following manner:

Interface, open the router management settings to find port mapping or virtual server settings (D-LINK DI-504 broadband router, for example, your router parameters may be different for reference only.)



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2. Get the camera device ID

Device ID is globally unique. Has been pre-recorded in the network camera hardware. Registered by the "Setup" setup interface copy.

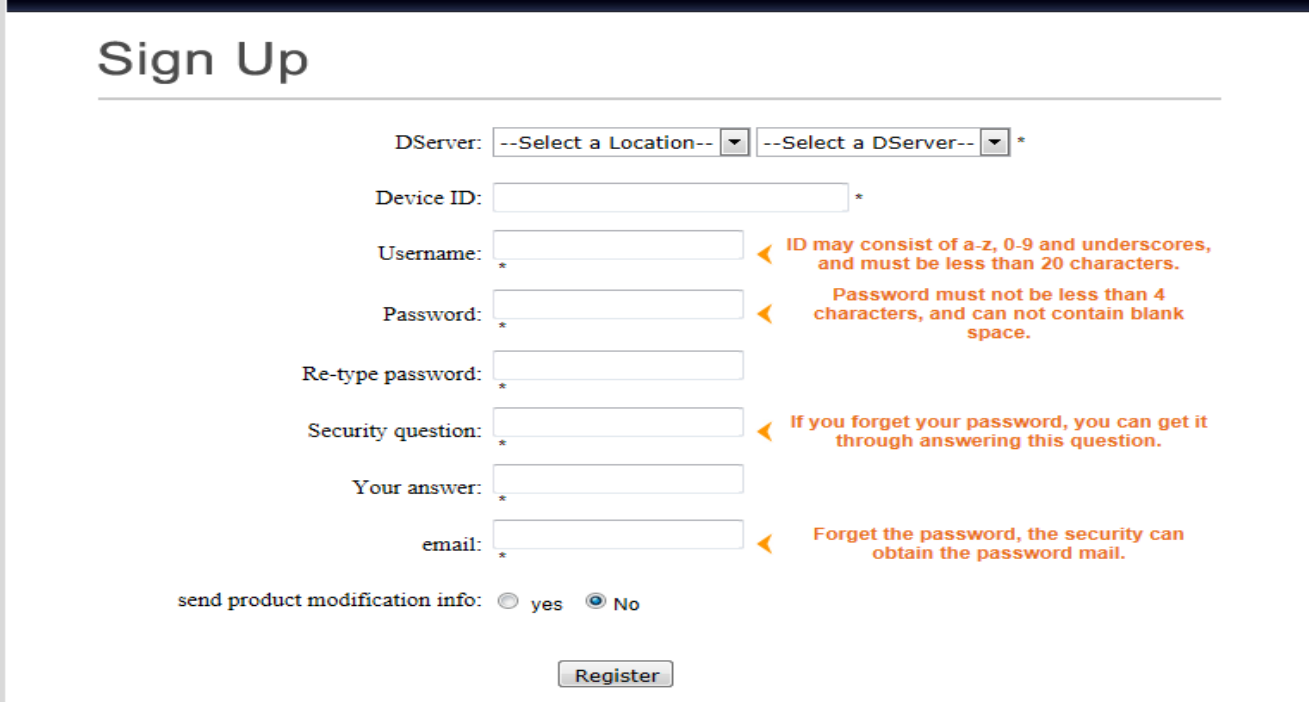
The device ID can not repeat the registration. If you want to change the account, you can first delete it and then add new account.

Camera name:	346B(VGA)	Image edition:	0.1.7	Update firmware
IP:	192.168.0.101	Device SN:	6GLBQMZ2S3ORT1A1011O	Copy
Type:	346B(ICR)	DServer:	China Telecom 1	Update
Video stat.:	6.9 fps, 82.8 Kbps		Connected to server	Reconnect

|

3. Log in Register page New User Registration

Shown in Figure 21, click on the registered account into the account registration page



Sign Up

DServer: --Select a Location-- --Select a DServer-- *

Device ID: *

Username: * ID may consist of a-z, 0-9 and underscores, and must be less than 20 characters.

Password: * Password must not be less than 4 characters, and can not contain blank space.

Re-type password: *

Security question: * If you forget your password, you can get it through answering this question.

Your answer: *

email: * Forget the password, the security can obtain the password mail.

send product modification info: ☐ yes ☒ No

Register

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- (1) Server: select an appropriate registration server. (Must be consistent and the Previous set the DServer)
- (2) Device ID: composed of digits and letters, a total of 20 digits. By setting interface copy obtained without having to enter from the keyboard. ID can not be re-registered, but can be canceled and re-register a new user name and password.
- (3) user name and password: the user selected. Will be used to log on to the remote control.
- (4) security issues: If you forget your password, you can answer this question to reset the password.
- (5) Security Answer: set password-protected answer to the question, must be properly preserved. Forget your password, you can reset your password by answering the answer. If you can not retrieve your password, for security reasons, the user must apply for cancellation of user name and password, re-registration.

Registered correctly complete every click.

After successful registration returns to the SETUP main interface, as shown in Figure 21

■ Not connect the server, On behalf of the network camera has been set to the registration server, but can not connect. The most likely cause is not connected to the Internet.

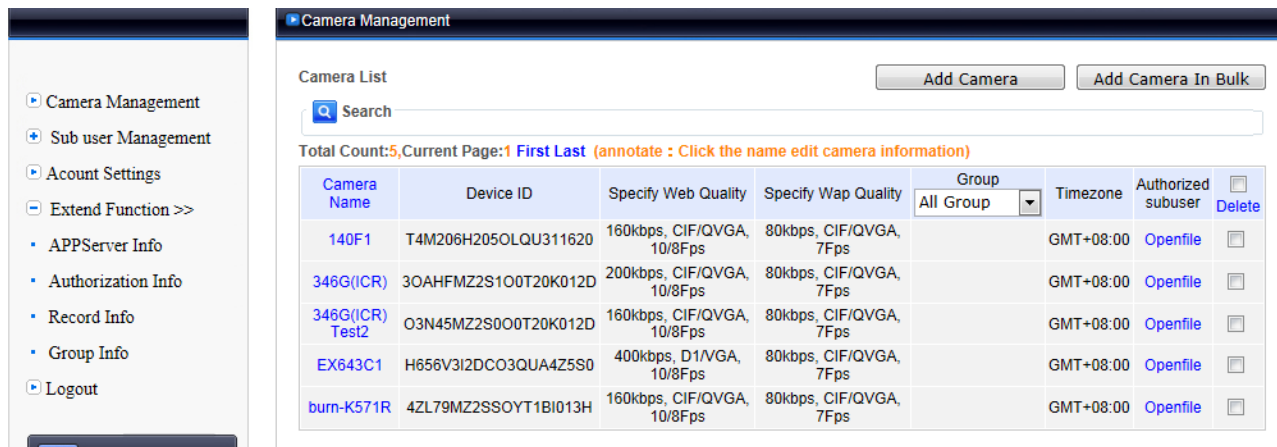
■ Connect to the server, On behalf of the network camera has been set to the registration server, and has been connected.

■ Not set the server, On behalf of the network camera does not set the registration.

After successful registration, you can access anytime, anywhere, open a Web page [http:// pc.easyipcam.com](http://pc.easyipcam.com) in the management center logs Watch.

4. Management Center

After successful registration, click "edit account" into the management center.



The screenshot displays the 'Camera Management' interface. On the left is a sidebar menu with options: Camera Management, Sub user Management, Account Settings, and Extend Function >>. Under 'Extend Function >>', there are links for APPServer Info, Authorization Info, Record Info, Group Info, and Logout. The main content area is titled 'Camera Management' and includes a 'Camera List' section. At the top right of this section are buttons for 'Add Camera' and 'Add Camera In Bulk'. Below these is a search bar. The status bar indicates 'Total Count:5, Current Page:1' with links for 'First' and 'Last', and a note '(annotate : Click the name edit camera information)'. The camera list is presented in a table with the following columns: Camera Name, Device ID, Specify Web Quality, Specify Wap Quality, Group, Timezone, Authorized subuser, and a Delete icon.

Camera Name	Device ID	Specify Web Quality	Specify Wap Quality	Group	Timezone	Authorized subuser	Delete
140F1	T4M206H205OLQU311620	160kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps	All Group	GMT+08:00	Openfile	
346G(ICR)	3OAHFMZ2S100T20K012D	200kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps		GMT+08:00	Openfile	
346G(ICR) Test2	O3N45MZ2S00T20K012D	160kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps		GMT+08:00	Openfile	
EX643C1	H656V3I2DC03QUA4Z5S0	400kbps, D1/VGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps		GMT+08:00	Openfile	
burn-K571R	4ZL79MZ2SSOYT1BI013H	160kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps		GMT+08:00	Openfile	

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For ease of administration, it is recommended to register multiple cameras to the same user.

1. Add equipment: (1) Add the camera. Need to increase the network camera equipment to account under the camera, click Add cameras, the Add camera information interface, enter the new camera name, serial number, choose to upload bandwidth network environment according to the equipment installation, click "Submit" can. Newly added camera will immediately appear on the list.

Add camera info

Camera Name:					
Device ID:					
Web Fps:	FPS: 10/8	Fps	Resolution:	CIF/QVGA	Bitrate: 160 kbps
Wap Fps:	FPS: 7	Fps	Resolution:	CIF/QVGA	Bitrate: 80 kbps
Group Info:	please select				
Timezone:	please select				
(annotate: Only megapixels camera supports HD resolution)					
Set To Original Submit Back					

- (2) Batch add the camera. Under the camera, click the batch add cameras.

Add Camera In Bulk

Please download [Sample File](#), Edit it then upload the file

Upload File:

2. Remove the device: the need to remove the network camera equipment in the camera management list, select the camera you want to remove, directly click on the red icon or click the "Delete" button.

Total Count:5, Current Page:1 [First](#) [Last](#) (annotate : Click the name edit camera information)

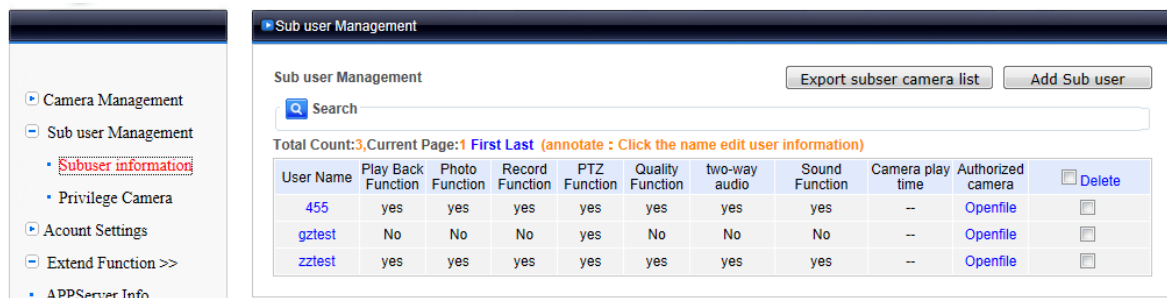
Camera Name	Device ID	Specify Web Quality	Specify Wap Quality	Group	Timezone	Authorized subuser	☐
140F1	T4M206H205OLQU311620	160kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps	All Group	GMT+08:00	Openfile	☒
		160kbps, CIF/QVGA, 10/8Fps	80kbps, CIF/QVGA, 7Fps				☐

3. Change camera information: you need to change the network camera device name is in the camera management interface, click the camera name, and then enter a new name into the modified camera information page, select the desired image quality, after editing, click "Submit" can be.

Change Camera information

Camera Name:	140F1				
Device ID:	T4M206H205OLQU311620				
Web Fps:	FPS: 10/8	Fps	Resolution:	CIF/QVGA	Bitrate: 160 kbps Apply to
Wap Fps:	FPS: 7	Fps	Resolution:	CIF/QVGA	Bitrate: 80 kbps Apply to
Group Info:	please select				
Timezone:	GMT+08:00				
(annotate: Only megapixels camera supports HD resolution)					
Set To Original Submit Back					

The user can set the subsidiary user permission to use the equipment, as follows::



The screenshot displays the 'Sub user Management' interface. On the left is a sidebar menu with options: Camera Management, Sub user Management (selected), Subuser information, Privilege Camera, Account Settings, Extend Function >>, and APPServer Info. The main panel has a title bar 'Sub user Management' with buttons for 'Export subser camera list' and 'Add Sub user'. Below the title bar is a search bar and a status line: 'Total Count:3,Current Page:1 First Last (annotate : Click the name edit user information)'. A table lists three users with their permissions.

User Name	Play Back Function	Photo Function	Record Function	PTZ Function	Quality Function	two-way audio	Sound Function	Camera play time	Authorized camera	Delete
455	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐
gztest	No	No	No	yes	No	No	No	--	Openfile	☐
zztest	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐

1. Sub-account settings: the need to increase the subsidiary users, the sub-account information column in the sub-account under the management of the Central Administration interface, click "Add sub-account, enter subsidiary of user names and passwords, and then set the image to see the priority of the userlevel (when multiple users to view the same equipment, high-level priority bottom level), and granted various functions, click the "Submit" button.

Add subuser info

User Name:	
New Password:	
Re-type password:	
Play Back Function:	☐ yes ☒ No ☐ Apply to all sub account
Photo Function:	☐ yes ☒ No ☐ Apply to all sub account
Record Function:	☐ yes ☒ No ☐ Apply to all sub account
PTZ Function:	☐ yes ☒ No ☐ Apply to all sub account
Quality Function:	☐ yes ☒ No ☐ Apply to all sub account
function two-way audio:	☐ yes ☒ No ☐ Apply to all sub account
Sound Function:	☐ yes ☒ No ☐ Apply to all sub account
Camera play time:	minute ☐ Apply to all sub account
Set the video viewing time point:	☐ Apply to all sub account
Submit Back	

The new subsidiary of users and their passwords immediately. But must also user authorization viewing device, the Sub-users can see the equipment authorized to see.

2. Change the sub-account password, priority: User the subsidiary user's password can be changed at any time. Click the user name of the sub-account management list edit

Total Count:3,Current Page:1 **First Last** (annotate : Click the name edit user information)

User Name	Play Back Function	Photo Function	Record Function	PTZ Function	Quality Function	two-way audio	Sound Function	Camera play time	Authorized camera	☐ Delete
455	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐
gztest	No	No	No	yes	No	No	No	--	Openfile	☐
zztest	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐

On the new page, enter a new password, permission to modify the playback of video and priority class, click on the "Submit".

The change takes effect immediately, only the primary account have permissions to modify.

Change Sub user information

User Name:	455
New Password:	
Re-type password:	
Play Back Function:	☒ yes ☐ No ☐ Apply to all sub account
Photo Function:	☒ yes ☐ No ☐ Apply to all sub account
Record Function:	☒ yes ☐ No ☐ Apply to all sub account
PTZ Function:	☒ yes ☐ No ☐ Apply to all sub account
Quality Function:	☒ yes ☐ No ☐ Apply to all sub account
function two-way audio:	☒ yes ☐ No ☐ Apply to all sub account
Sound Function:	☒ yes ☐ No ☐ Apply to all sub account
Camera play time:	minute ☐ Apply to all sub account
Set the video viewing time point:	☐ Apply to all sub account
Submit Back	

3. Sub-account authorization:

(1) Sub-account authorization under the sub-account management of the Central Administration interface column pairs account user the camera to see the authorization.

The screenshot shows a web interface with a sidebar on the left containing 'Camera Management', 'Sub user Management', 'Subuser information', and 'Privilege Camera'. The main area is titled 'Authorized camera' and contains three dropdown menus: 'User Name: --Select a User--', 'Camera Group: --Please Select Camera G...', and 'Camera Name: --Select a Camera--'. A 'Submit' button is located at the bottom right of the form.

(2) Sub-account information in the sub-account under the management of the Central Administration interface column view, click on the list of information to the authorized list of cameras

Search

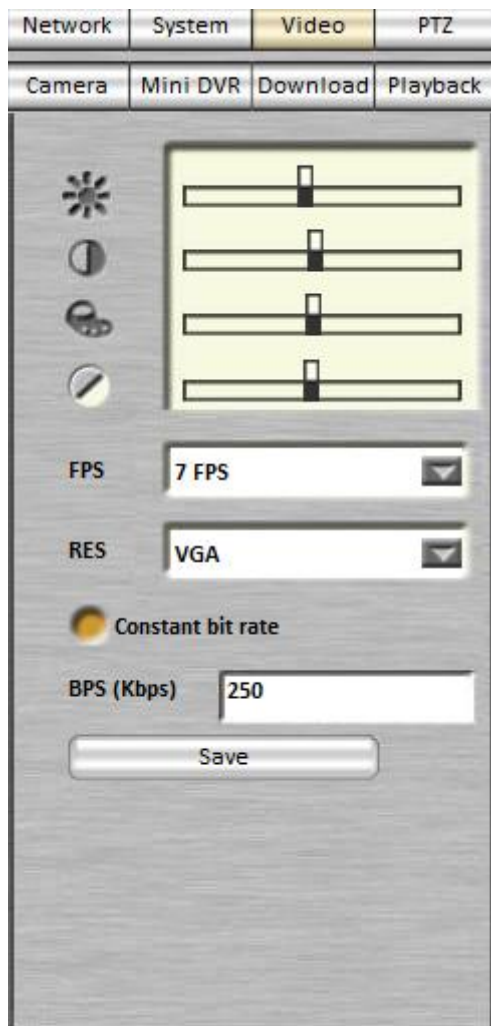
Total Count:3,Current Page:1 First Last (annotate : Click the name edit user information)

User Name	Play Back Function	Photo Function	Record Function	PTZ Function	Quality Function	two-way audio	Sound Function	Camera play time	Authorized camera	☐ Delete
455	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐
gztest	No	No	No	yes	No	No	No	--	Openfile	☐
zztest	yes	yes	yes	yes	yes	yes	yes	--	Openfile	☐

Click to add cameras authorization, the child account user the camera to see the authorization

The screenshot shows a web interface titled 'Add subuser info'. It has a section 'Authorized Camera List' with a button 'Add camera authorizat' and a 'Return' button. Below this, it says 'Total Count:0'. There is a table with two columns: 'User Name' and 'Camera Name'. The table is currently empty, and a red message 'No Privilege Camera' is displayed at the bottom. A 'Revoke Privilege' button is visible on the right side of the table area.

<6> Video Preview



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Click on the "video preview" switch to image adjustment interface.

When the mouse on the icon will be prompted!

CCD series camera interface as the left:

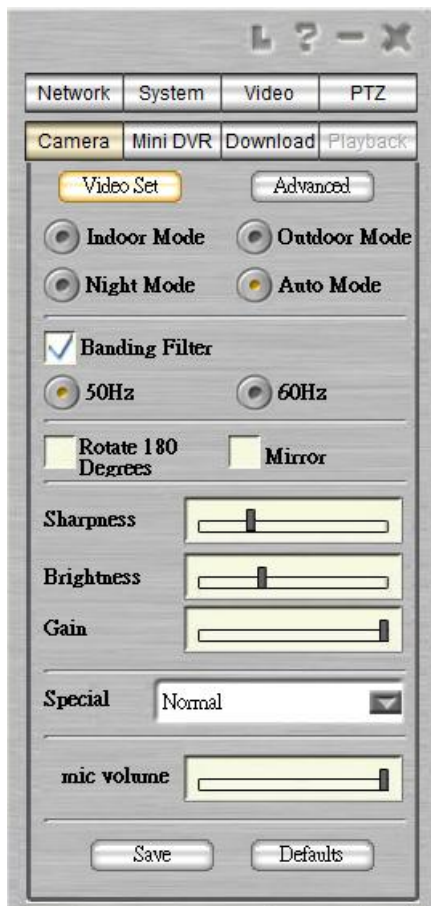
- 1)  Adjustment for video brightness.
- 2)  Adjust contrast.
- 3)  Adjust hue.
- 4)  Adjust saturation.
- 5) FPS: Video image display for per second.
- 6) RES: Video image resolution.

BPS : Transmitted bytes. High video quality needs more bandwidth.

Click "Save" to save your changes.

<7> Lens control

Divided into several states: According to different models of cameras, there will be a different interface. Control real-time camera! Click on the "camera control" to switch to the camera control interface.



Video Set

Camera Model 2C

- **Environment Mode:** User can set camera's environment to get a better image quality. "Auto Mode" is preferred.
- **Banding Filter:** User can choose the frequency of the video screen.
- **Sharpness:** Adjust video screen sharpness.
- **Brightness:** Adjust video screen brightness.
- **Gain:** Adjust light compensation.
- **Special:** Adjust video screen color.

MIC volume: Adjust the volume in camera built-in microphone.

Network System Video PTZ

Camera Mini DVR Download Playback

Video Set Advanced

☒ auto white balance ☐ config white balance

G

R

B

MIN FPS

☒ 5FPS ☐ 7.5FPS ☐ 10FPS

Save

Advanced

Camera Model 2C

1. **auto white balance:** This option is preferred.
2. **config white balance:** Adjust balance between Green, Red, and Blue.
3. **MIN FPS:** Adjust the minimum FPS depends on the light change.

Network	System	Video	PTZ
Camera	Mini DVR	Download	Playback

☒ 50Hz
 ☐ 60Hz

Color hue

Color gain

White balance

Noise reduction

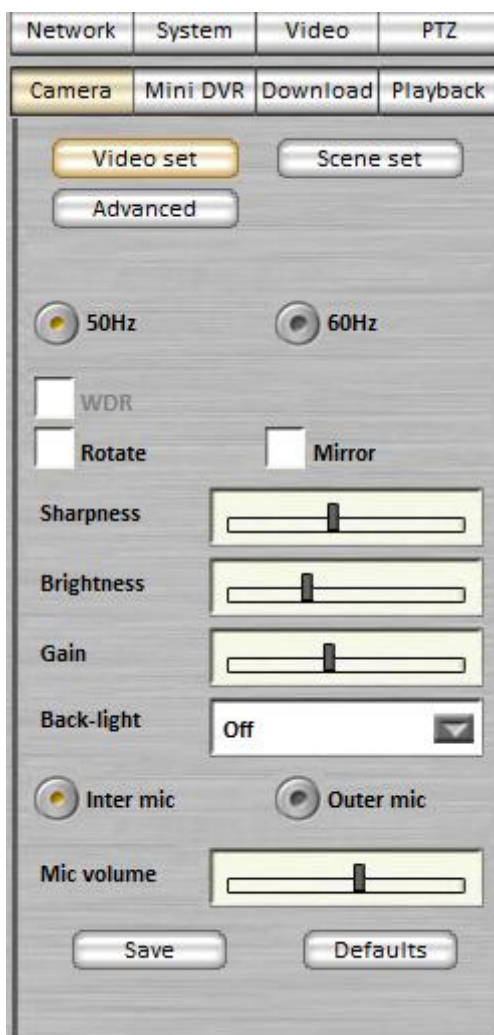
Back-light

WDR

Stabilizer

The camera Model 8 series

- 1.**HZ**: you can select the frequency of this corresponds to remove the video water wave phenomena.
- 2.**color hue**: You can adjust the chromaticity of the video image.
3. **Color Gain**: You can adjust the color gain of the video image.
- 4.**White Balance**: Set the white balance mode.
- 5.**Noise reduction**: Set the video noise level.
- 6.**back-light**: Set whether to turn on the backlight compensation.
- 7.**WDR**: Set the video wide dynamic.
- 8.**stabilizer**: set the image anti-shake.



Video settings

Camera Model F/G

1. **HZ**: you can select this corresponding frequency to remove the video water wave phenomena.

2. **WDR**: Set the video wide dynamic.

3. Up and down, left and right: check, video display mirror image upside down or left and right.

4. **Sharpness**: You can adjust the sharpness of the video image.

5. **brightness**: can adjust the brightness of the video image.

6. **gain**: you can always adjust the gain of the light source.

The greater the gain, the brightness will be enhanced but the noise will be more.

7. **back-light**: Set whether to turn on the backlight compensation.

8. **Microphone**: To select inter MIC or outer mic

9. **mic volume**: You can adjust the volume level of the microphone.

Network	System	Video	PTZ
Camera	Mini DVR	Download	Playback

Video set

Scene set

Advanced

AWB Scene Mode

☒ Auto Mode

☐ Incandescent Light

☐ Cool Light

☐ Sun Light

☐ Cloudy

☐ Shade

Save

Defaults

Scene set

Camera Model F/G

Select the white balance mode is set accordingly.



Extended settings

Camera Model F/G

1.  Adjustment for video brightness.
2.  Adjust contrast.
3.  Adjust hue.
4.  Adjust saturation.
5.  : adjust the video noise level.
6. Min FPS: Once selected you can adjust the minimum FPS camera frame rate.
- 7 color mode: Set camera color mode.



Lens control

The camera Model 6 series

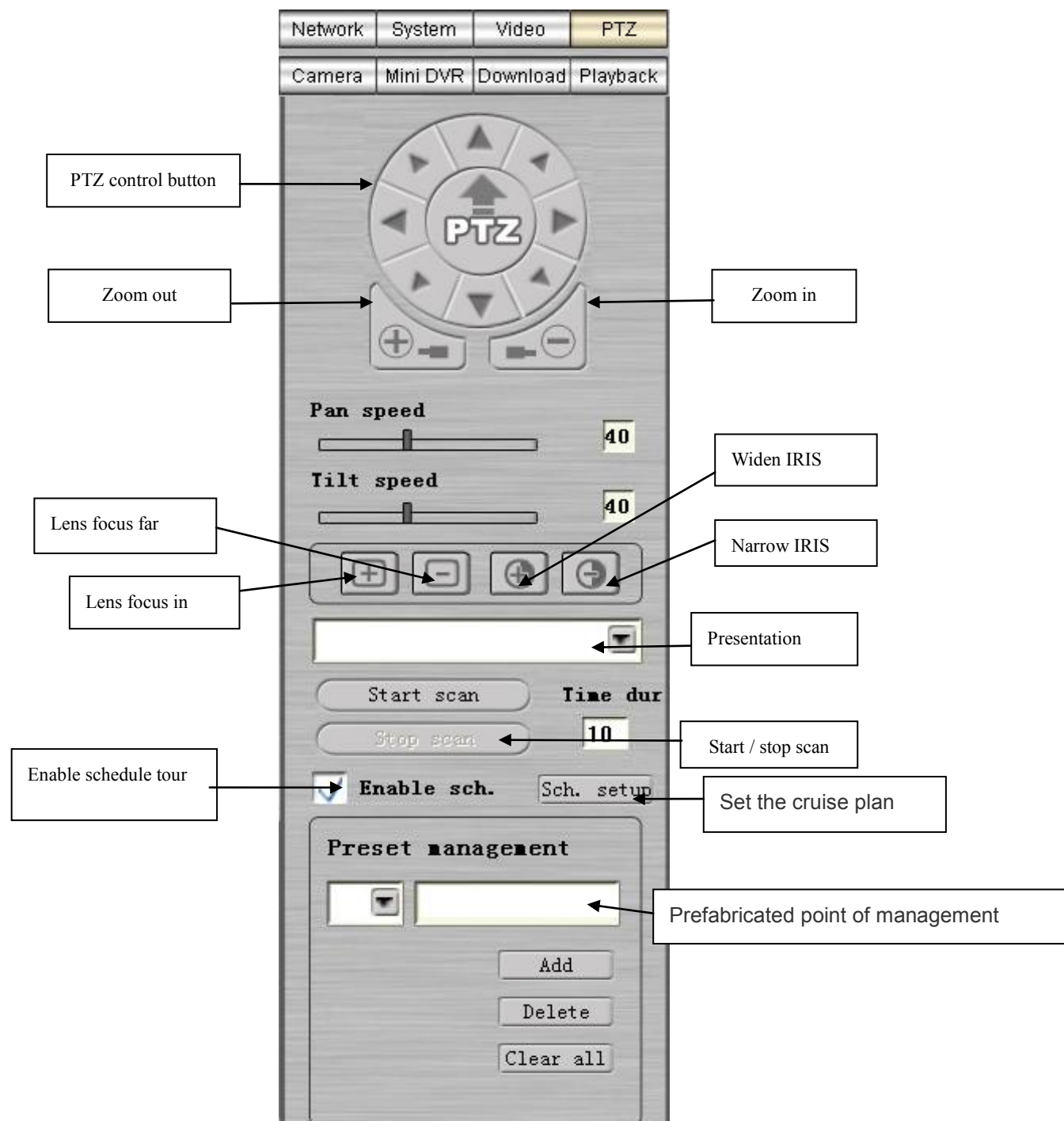
1.  Adjustment for video brightness.
2.  Adjust contrast.
3.  Adjust hue.
4.  Adjust saturation.
5.  : Adjust Sharpness
6. min volume: Adjust Microphone volume.
7. Microphone: To select inter MIC or outer mic
8. Positive flip: To select stand or up-side-down

<8> PTZ Control

When the selected camera PTZ function, PTZ control can be hired, otherwise it will grayed out.

Click "PTZ Control PTZ control interface.

Click on the middle of the disc position "PTZ" to expand the Advanced PTZ control menu.



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Cruise program settings: set a total of nine cruise paths plus a default path.

Note: The default path: cruise program enabled, not at the scheduled time, the default auto-cruise to the default path.

Select the cruise path, add the preset point of the cruise path (the same preset can be repeated to add).

After setting the path set up a scheduled cruise time, a set time period, select the time period required for the cruise path can be determined. All settings are completed, click start automatic cruise.

Stop the automatic cruise, the cruise will stop.

<9> Video settings

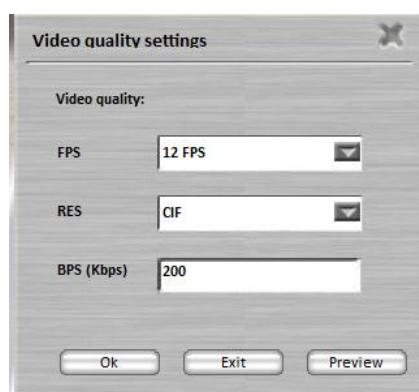
<9.1> SD card recording - only for the camera with SD card recording function

Click "SD card recording, the user can set the video: behind the camera red REC lamp is a good video to set the reference. The red light indicates the video settings, but did not reach the recording conditions (for example, did not trigger linkage video); flashes that are video; goes out to indicate Stop recording, and there is no other video settings.

Note: all video settings, and finally click "start recording". "Start recording" is equal to start recording mechanism, waiting for the video trigger condition to start recording. "Start recording" button to start recording belongs to the external start recording. You do not need to click "start recording" to start.



图 34

**Config SD:**

Start recording: when clicked, will be based on pre-set conditions video.

Stop recording: click, immediately stop recording.(This button when the camera is recording)

Delete SD files: Clear SD card recording

Bootup recording: the camera starts automatically start recording.

Manual recording: start recording only when the user presses the record button on the camera.

Audio included: selected audio input source video input.

Normal recording: no trigger mechanism based on pre-set video.

Event recording: the user can pre-set trigger conditions to trigger recording.

The trigger condition is a regional one, two, three linkage trigger, and the DI input trigger. Storage Policy:

Overwrite: the the early video files are automatically deleted when the SD space is full to free up space for a new video.

Stop when full: Do not remove the earlier video, stop recording automatically after the expiry of the SD space.

enable schedule: See below Recording schedules settings

Movement detection: Refer to the following movement detection section

Video quality: see below video quality part

SD card status: Contains the SD card can be the size of the actual recording space. The recorded time and the remaining space available recording time.

Note: The remote web playback available SD card recording, operations, see <12> remote playback

Video image quality settings:

The user can according to their needs, set the appropriate image quality.

Note: too much FPS RES will need to the larger BPS, take up more disk space.

FPS: frames per second (fluency)

RES: image resolution (Resolution)

BPS: bit rate (bandwidth demand)

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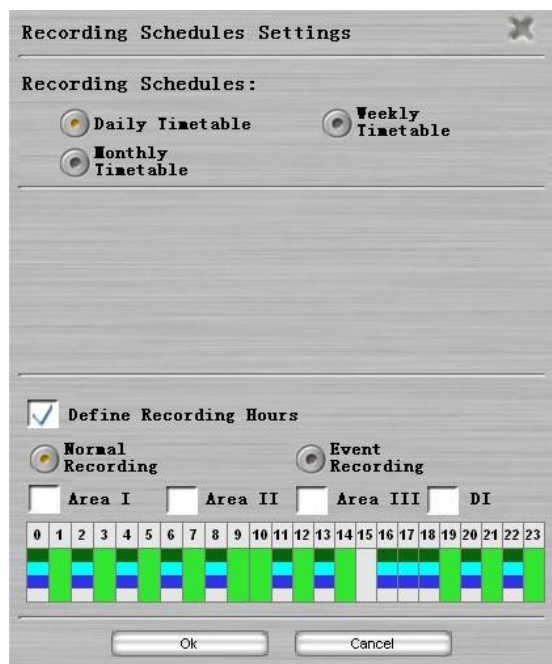


图 36

Recording schedules settings:

Recording schedules:

daily timetable: If you want 24 hours a day to monitor select this option.

Points need to customize the recording time per day.

Weekly timetable: points following changes to the weekly schedule. Select a date to be monitored.

Monthly timetable: points under the changes to monthly plans. Select monitoring since January.

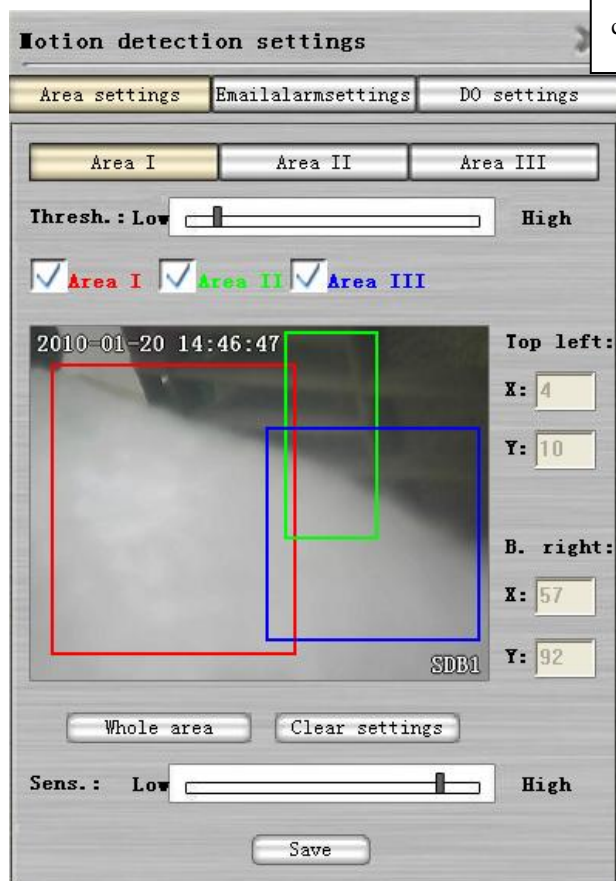
Define Recording Hours:

Normal Recording: select normal video, use the mouse to select the required recording time period, the time period is selected will turn green.

Event recording: event recording is selected, select the desired video motion region, then the mouse to select the required recording time period is selected period of time depending on the selected area display different depths of the blue.

To deselect the recording time period, you can select the event recording and do not select any motion region, and then the mouse to select the time period you need to cancel.

After the completion of the scheduled recording settings, click "OK" to complete.



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Motion detection settings (locale):

Point of each line in three areas key to enter the area to be set.

Then set marked with different colors in the image above a different dynamic detection area. You can set up three.

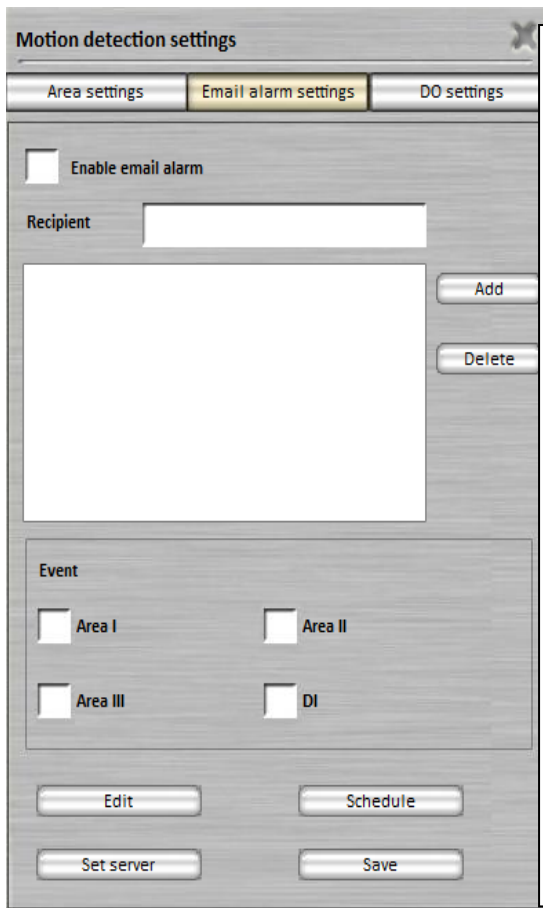
Enable motion detection area, you need to check the area will be enabled.

Thresh: the threshold value is smaller, the more sensitive the motion detection.

Sens: Set the sensitivity to rule out interference from other moving objects. The appropriate sensitivity will help to capture to monitor the target.

General set threshold value of 15, sensitivity 95.

Click OK to save the settings.



Motion detection settings (alarm settings):

Check e-mail alerts when motion is detected, the program will automatically send an alarm e-mail to the mailbox set.

You can add, delete the e-mail recipient, select the trigger event.

Enable email alarm: Check the Enable email alarm enable e-mail alerts

Edit: Click on the "edit", edit the received message subject.



Figure 39, Sequence representative of the four icons: camera name, serial number, alarm time and alarm area.

The system has set a default period (Figure 40).

Set server: set up and verify the e-mail sender. Enter the mail server, the sender, the sender's account and password, click OK to complete the setup

Example: E-mail server to send mail using the 163

Server: smtp.163.com

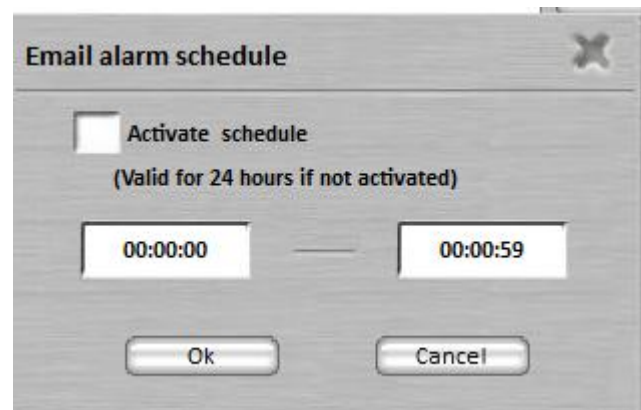
Sender: send@163.com

authentication: Verify the account and password send@163.com and the corresponding password

schedule: Set the period of time need to send an alert email. The camera program you want to support this feature. 5.2.26

Click OK to save the settings.

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Set Server

Server

Sender

☒ Authentication

Account

Password

Confirm

Ok Cancel

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Motion detection settings

Area settings Emailalarmsettings **DO settings**

DO

☐ Area I ☐ Area II

☐ Area III ☐ DI

Save

Motion detection setting (Alarm output settings):

DO output enable can be set alarm output, the output level of 24VDC/1A or 110VAC/0.5A of

Click Save to save the settings.

<9.2> NAS recording

Start NAS recording, video files will be saved on a NAS device.

Network	System	Video	PTZ
Camera	Mini DVR	Download	Playback

☒ **Enable NAS**

☐ **Audio included**

☐ **Normal recording**
☐ **Event recording**

☐ **Area I**
☐ **Area II**

☐ **Area III**
☐ **DI**

Storage policy:

☐ **Overwrite**
☐ **Stop when full**

☐ **Enable schedule**

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Config NAS

Enabled NAS: select this option will be based on pre-set conditions video. (Enable Success icon is displayed in red, otherwise grayed out)

Audio included: selected audio input source video input.

Normal recording: no trigger mechanism based on pre-set video.

Event recording: the user can pre-set trigger conditions to trigger recording.

The trigger condition is a regional one, two, three linkage trigger, and the DI input trigger. Storage Policy:

Overwrite: the the early video files are automatically deleted when the NAS space is full to free up space for a new video.

Stop when full: Do not remove the earlier video, stop recording automatically after the NAS space is full.

enable schedule: see <9.1> scheduled recording part

Motion detection: Refer to <9.1>

Video quality: see <9.1> Video quality part

Path and acct: see below

Save: Click Save to save the settings.

Note: remote web playback available NAS recording, operations, see <12> Remote Playback

Path and acct

Storage limit(MB):

IP:

Path:

Account:

Password:

Confirm:

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Storage limit (M): Set the maximum value of NAS storage

IP: NAS's IP address

Path: NAS on the save path

Account: Username save the video file folder

Password: save the video folder password

Confirm: Password confirmation

Select common video, real-time video directly on a NAS device.

Select event recording, the premise must be enabled in the motion detection motion detection and set the detection area, the video will be recorded when motion is detected on a NAS device.

<10> Video Download

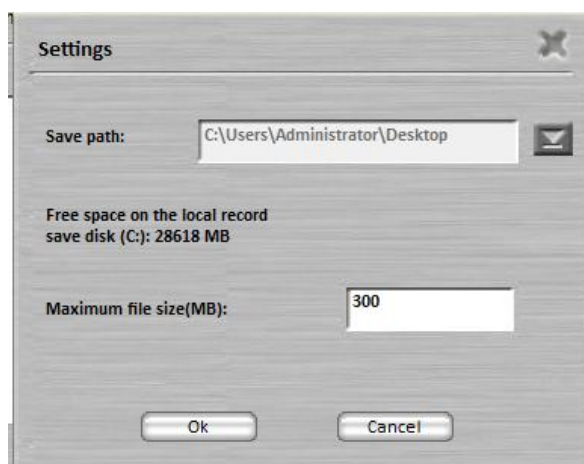
Click "Video Download, you can download SD card recording to the local.

Video download page click on the "download manager" button, you can download settings and select the downloaded video camera, download time range

1. Download Management



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2. Download List

Select good camera and download time click "Download" in the video download page shows the camera name being downloaded, the progress and the download time, download information arranged in a tree contraction can be expanded (Figure 34, Figure 35). Click on the "Open Directory" button to open the video saved locally directory.

Download Manager:

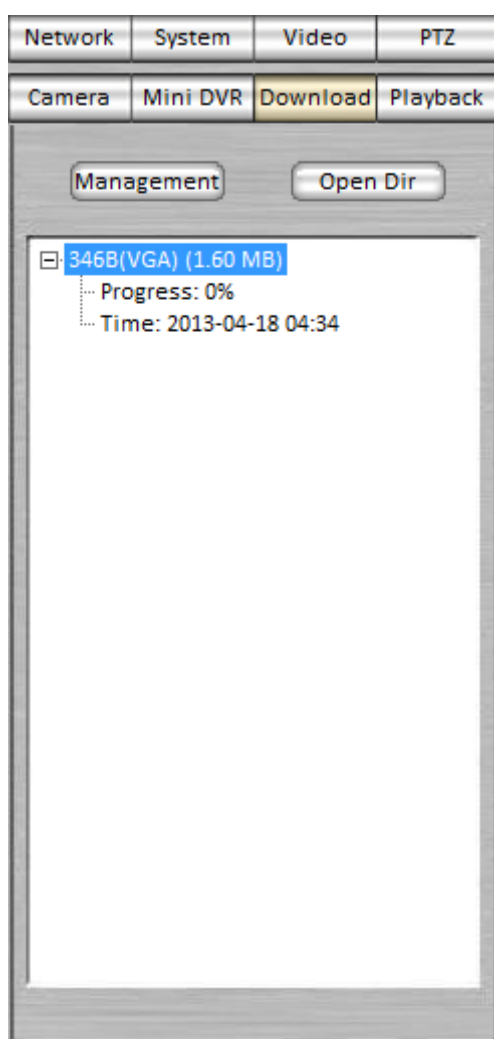
SD card recording and is available for download video cameras in the camera list.

Select a camera click to start the download, the right will display the corresponding camera recording time, scope and range of download time. The download time can be manually modified.

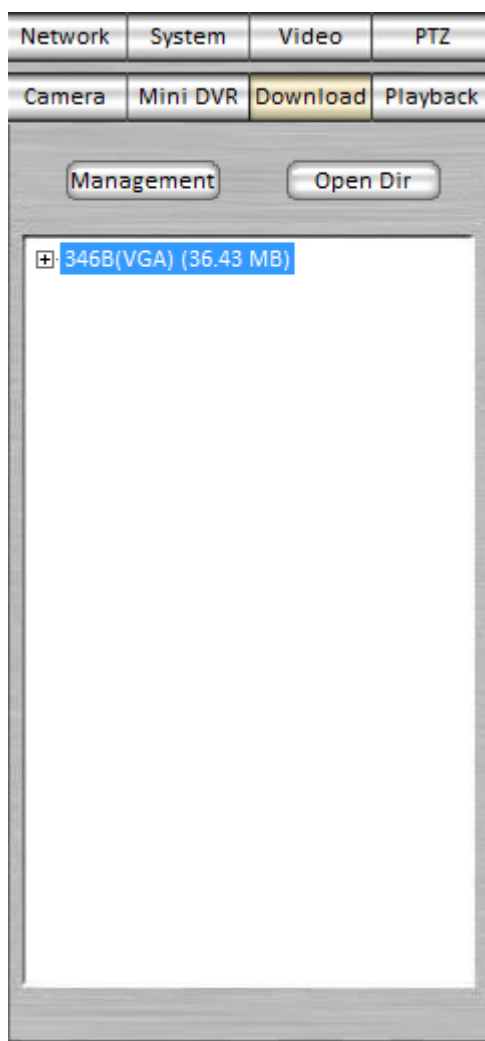
Click "Settings" button, pop-up local Save Settings dialog box, the maximum value to local save path can be set in the dialog box and a single download.

Up to four cameras can download SD card recording.

Click OK to save the settings.



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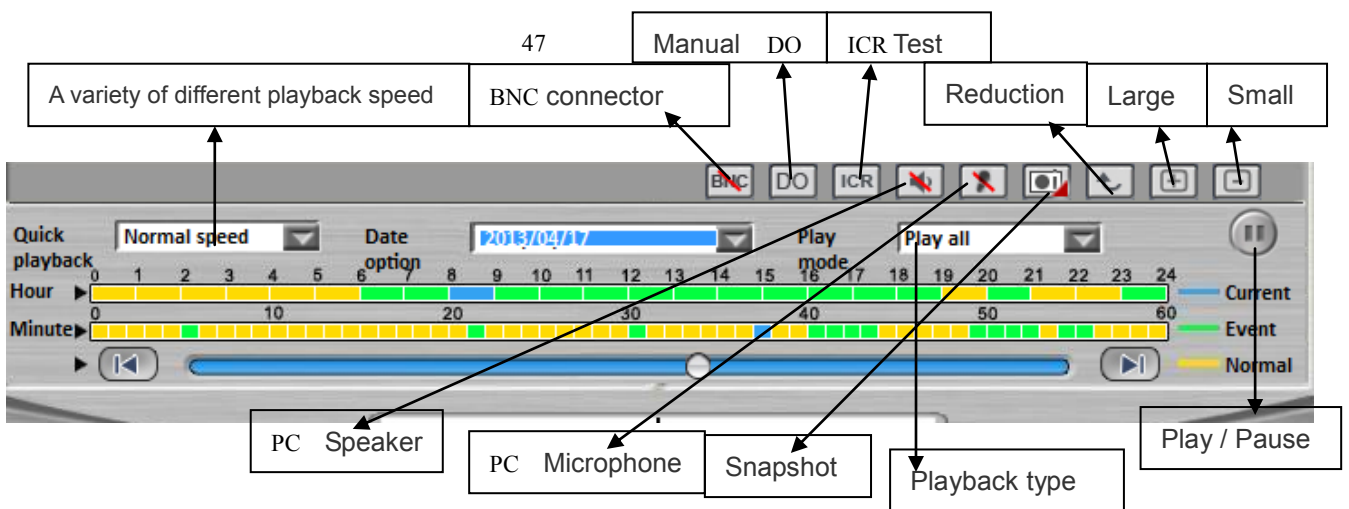
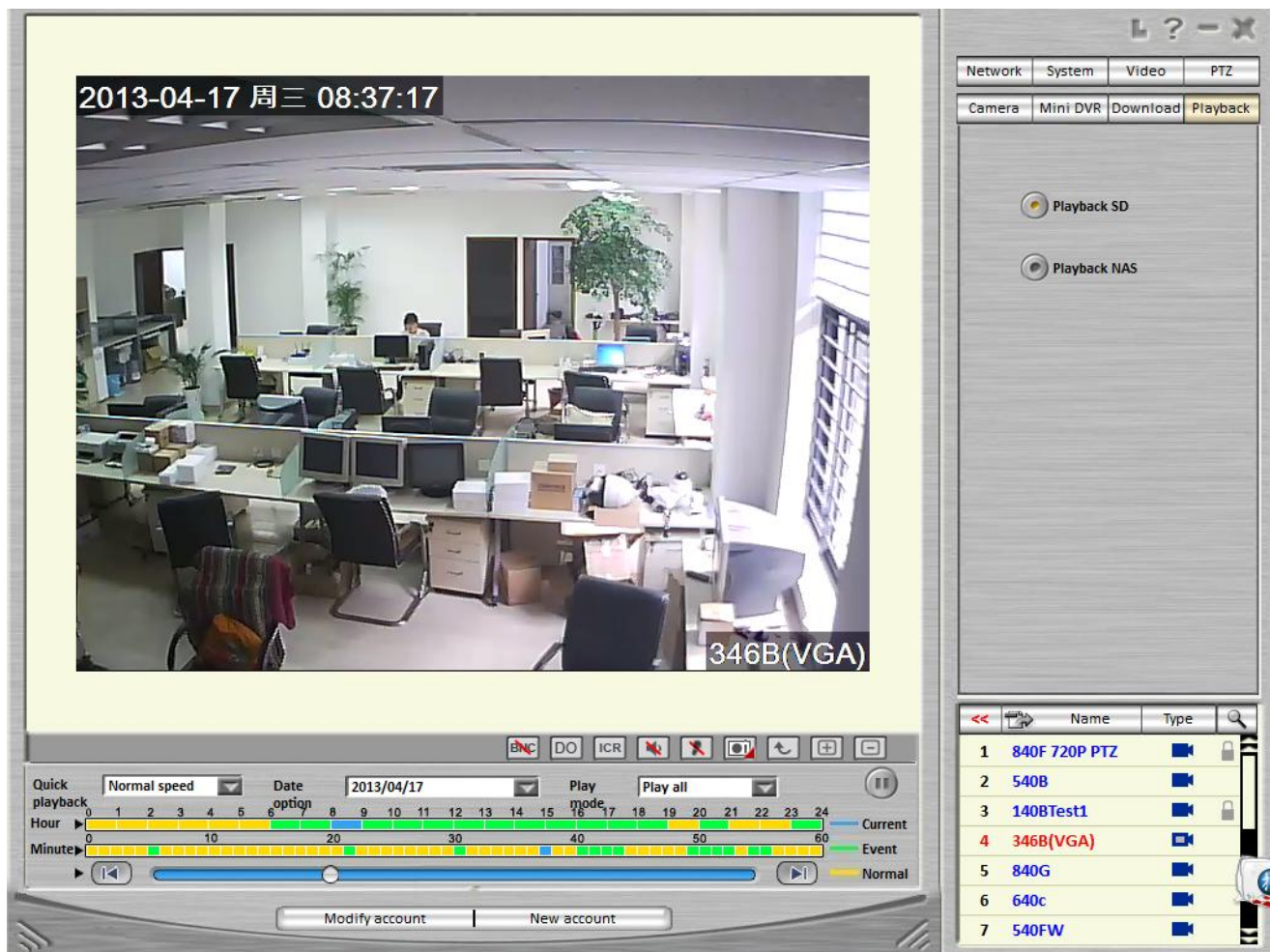


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<11> Video playback

LAN PC or laptop, insert the supplied CD, run Setup, all LAN home as the security network camera will automatically listed in the "Name" list on the lower right corner of the interface.

Click on the video playback button, double-click the bottom right corner of the camera name, you can playback video. (Optional playback SD card recording or playback NAS video)



<12> Remote playback

Remote video playback is viewed through the web to achieve. To achieve remote viewing and playback, you must register the account and password.

Open the web the [http:// pc.easyipcam.com](http://pc.easyipcam.com) input account and password, you can get the remote viewing and playback interface.



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Account all the camera will be listed in the list on the left. Status symbol shows the status of the camera and video, such as online, offline, the video is being recorded, and so on.

-  : Means that the equipment is not online.
-  : Means that the equipment online, but no SD card.
-  : Means that the equipment online, but the SD card is not in the video.
-  : On behalf of the device online and NAS video.
-  : Means that the equipment online and SD card recording video.
-  : On behalf of the device is online and SD card, NAS video.

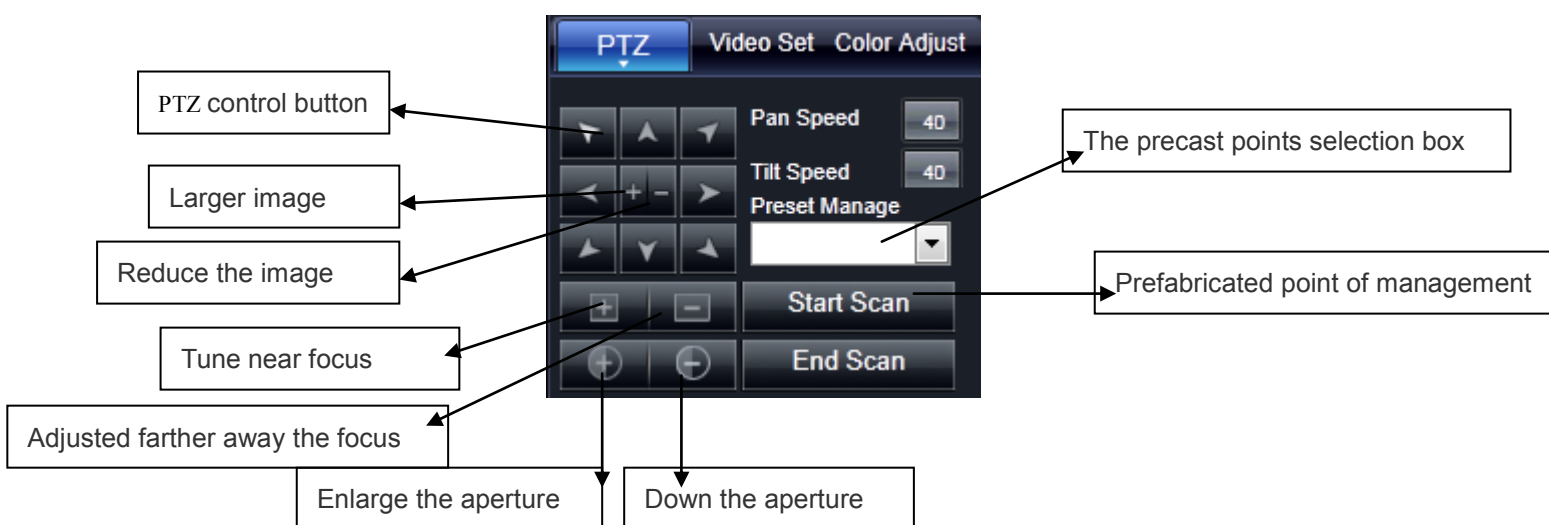
Click on the top of the playback mode, playback interface can be obtained.

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Need the name of the playback of video cameras in the select list, you can get the recording. Select the date, hours and minutes, you can playback video.

(1) PTZ control

Click "PTZ control" at the bottom of the list of cameras PTZ control interface.



(2) Other features and controls

The user can control the remote camera online. The average user is recommended to use a bit rate of 200K or less in order to obtain the image of fluency.

1 in the bottom of the list of cameras click on the "image quality" image quality setting interface.

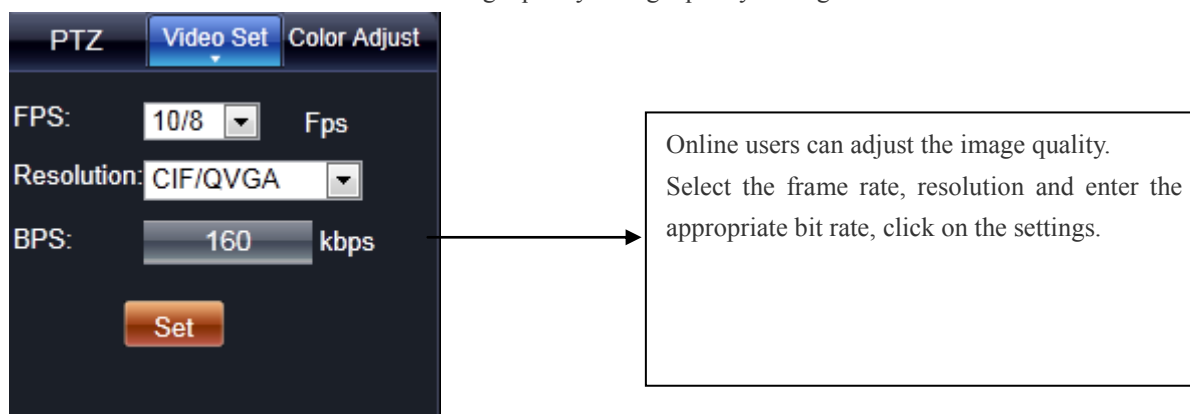


Image quality:

Frame rate: the number of images per second. The larger the value, the better the fluency. The average user is recommended to use 12 frames / sec.

Resolution: image points. The greater the value, the better the clarity. The average user is recommended to use CIF resolution.

Rate: the amount of data per second. The larger the value, the higher the quality of the image can be sent. This value can be directly corresponds to the bandwidth requirements for uploading. General ADSL upload bandwidth is not greater than 256Kbit. It is recommended that the bit rate is set less than 200K.

Is shipped with a set of 8 / CIF/160K. Users can be adjusted according to the network environment.

Click on the "Color Control Color Control interface appears in the bottom right of the camera list.



Color Control:

Online users can adjust the brightness, contrast, color and saturation.

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3. The plug-in above the control bar.



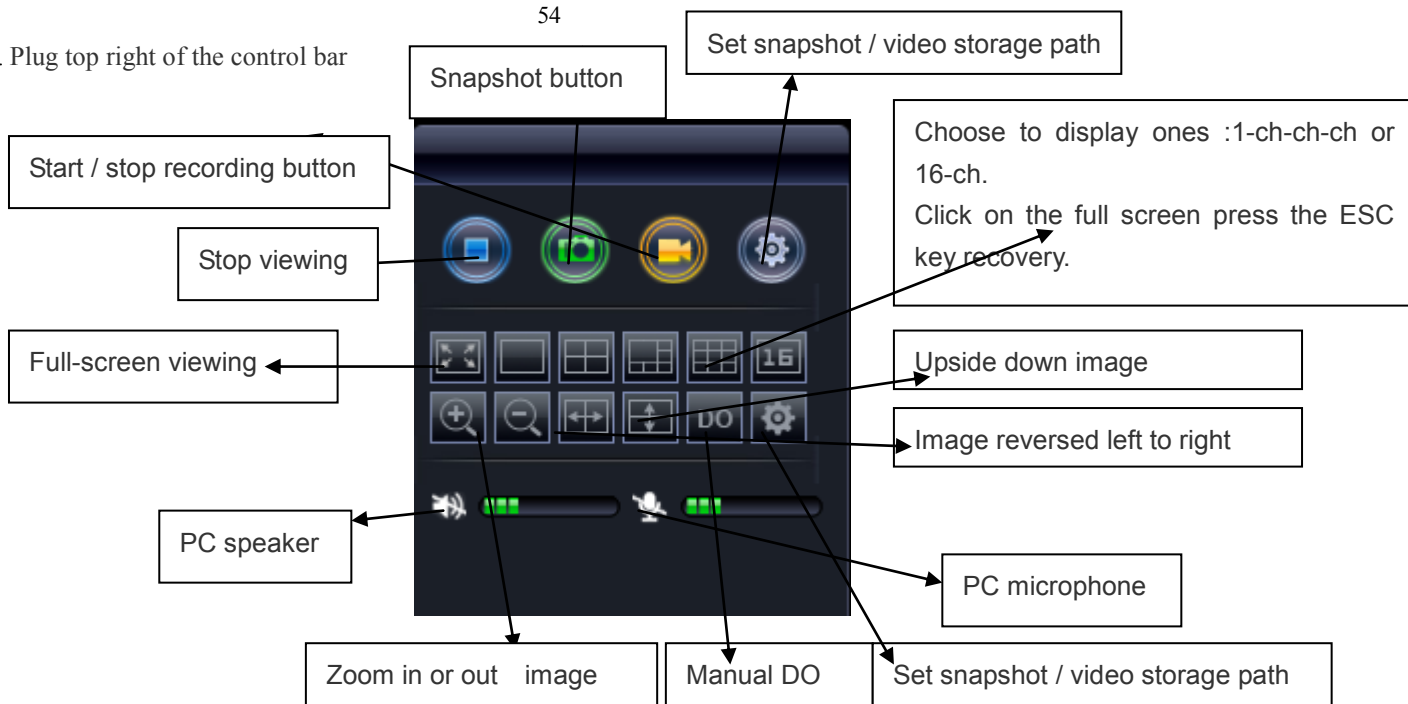
Can be switched in real time and playback mode

Buffer selection box

Select the network connection

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4. Plug top right of the control bar



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<13> Troubleshooting

Q1: the network cable and the power cord is plugged in, but the LAN can not see images?

A1: The network camera does not need to be set, can be viewed in the LAN. Unless the connected switches (Switch) shielded network cameras transmit images. Make sure all the switches are connected, are not shielded UDP transmission mode. Otherwise need to set the network settings of the network camera and connect to the network, to the Internet to watch.

Q2: LAN can see the image, but the Internet is not visible on images?

A2: Login Viewer, if the device name registered on the list of device names may be registered serial number is wrong. Need to re-register the correct serial number. If the registered device name on the list of device names, double-click the device name, will be the display grid connection information. The connection information to the technical support staff for troubleshooting.

Note: Login to choose the right server.

Q3: see the images on the Internet, but it is not clear or is not smooth?

A3: Viewer is automatically adjusted according to the user's bandwidth image quality.

In general, high-resolution represents a clear image. Higher frame rate per second represents the image smoothly. But are subject to per second transfer rate. The above parameters can be adjusted but ultimately limited by the actual real-time bandwidth.

Q4: see the images on the Internet, but stationary?

A4: If you re-connection is still stationary. Viewer FPS value is 0, which means that poor network conditions, can not receive enough information. If sure the network is normal, please contact technical support.