

TP-LINK®

User Guide

TL-SC3000

3GPP Surveillance Camera



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FCC STATEMENT



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Package Contents

The following items should be found in your package:

- One TL-SC3000 3GPP Surveillance Camera
- One Adapter and power cord
- One Bracket
- One RJ45 network cable
- Quick Installation Guide
- One Resource CD , including:
 - This User Guide
 - Video Viewer AP Software

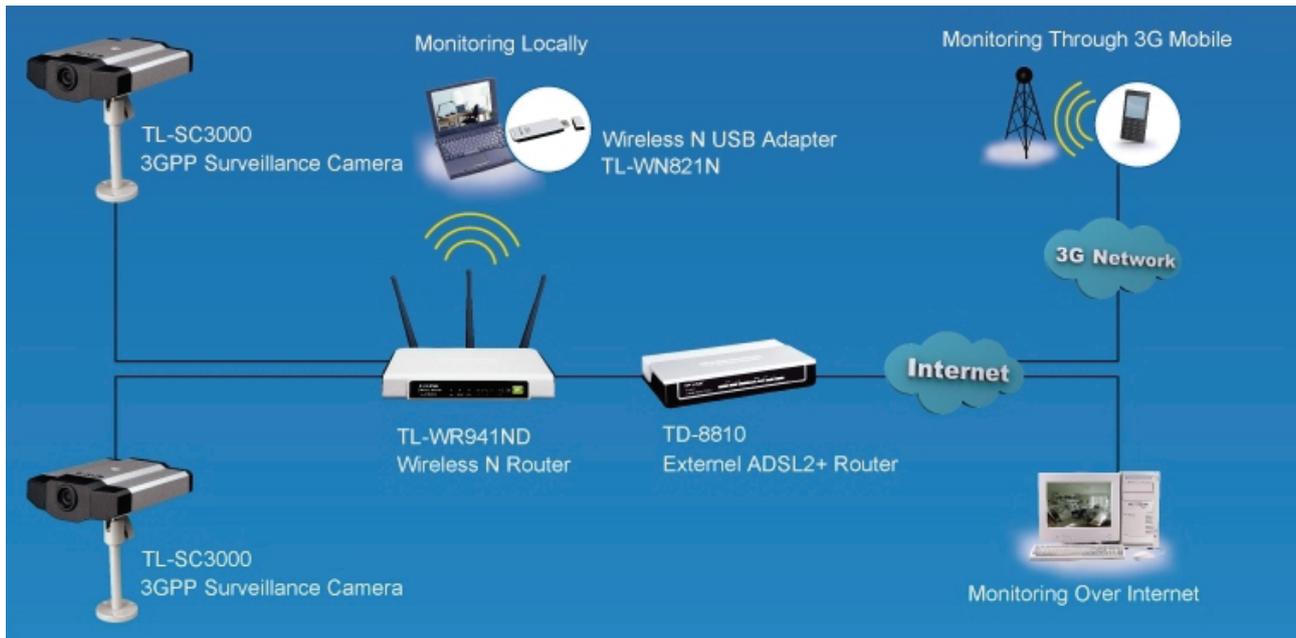
 **Note:**

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

Chapter 1. Product Overview

1.1 Description

This camera series is a network-based digital surveillance device with a built-in web server for the purpose of remote monitoring and recording. It supports TCP/IP networking for live video transmission in the format of H.264, MPEG4 or MJPEG, and you can easily operate the camera via the web browser or the supplied video viewer AP software. Video surveillance over IP network infrastructure is available and easy from anywhere, at anytime.



1.2 Features

- Low-latency video streaming for sharp and clear images
- Hybrid digital / analog video output
- Multi-area, multi-level sensitivity motion detection
- 3GPP Support
- High quality 1/3.6" Panasonic MOS Sensor

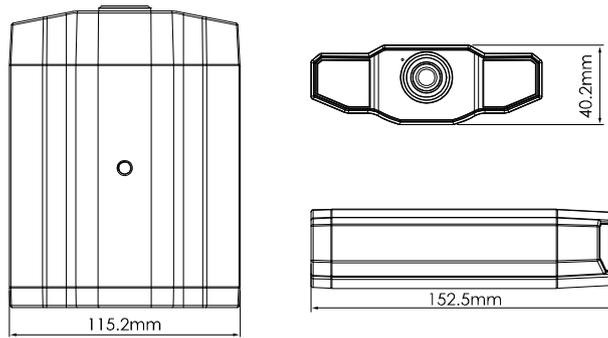
1.3 Specifications*

SPECIFICATIONS	TL-SC3000	
Network		
LAN Port	YES	
LAN Speed	10/100 Based-T Ethernet	
Supported Protocols	DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP	
Frame Rate	NTSC:30fps, PAL:25fps	
Number of Online Users	10	
Security	Multiple user access levels with password	
Web management software	YES (Control up to 16 network cameras simultaneously)	
Video / Audio		
Video Compression	MPEG4 / MJPEG	
Video Remote Control	YES	
Video Adjustment	Brightness, Contrast, Saturation and Hue	
Camera		
Image Sensor	1/3.6" image sensor	
Pixels	640(H) x 480(V)	
Lens	f3.6mm	
F-number	F2.0	
Viewing Angle	80°	55.6°
Shutter Speed	1 / 60 (1/50) to 1 / 100,000 sec.	
Min Illumination	1 Lux / F2.0	
Video Output	1.0 Vp-p. 75Ω	
BLC	AUTO	
White Balance	ATW	
Others		
Remote Control	YES	
Motion Detection	YES	
Power	DC12V, 1A	
Operating Temperature	0~40℃	
Humidity	85%	
Minimum Web Browsing Requirements	<ul style="list-style-type: none"> • Pentium 4 CPU 1.3 GHz or higher, or equivalent AMD • 256 MB RAM • AGP graphics card, Direct Draw, 32MB RAM • Windows XP, Windows 2000 Server, ME, 98, DirectX 9.0 or later • Internet Explorer 6.x or later 	
Dimensions (L x W x H)**	152.5 x 115.2 x 40.2 mm (6.00" x 4.54" x 1.58")	
Shipping Weight	812g (1.79 lbs) including mounting bracket and power supply	
Indoor / Outdoor Application	Indoor	

* The specifications are subject to change without notice.

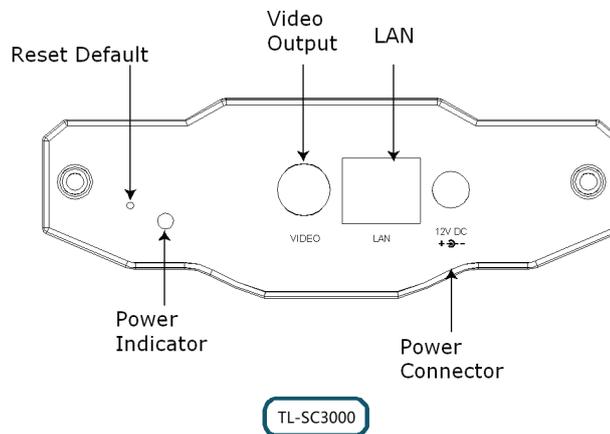
** Dimensional tolerance: ± 5mm

Dimensions: 152.5 (L) x 115.2 (W) x 40.2 (H) mm



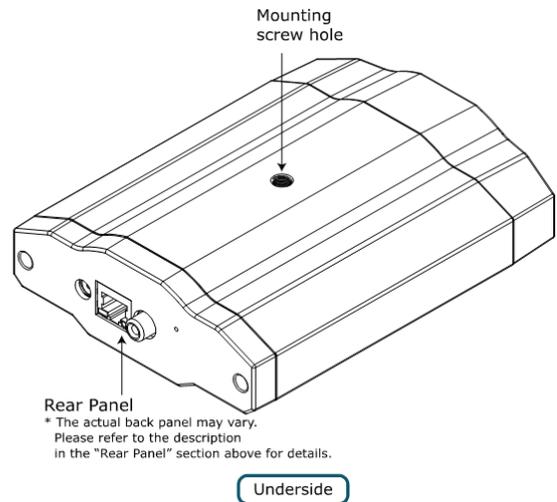
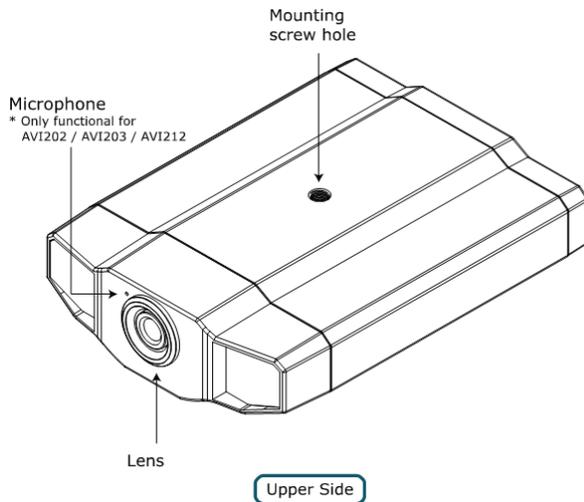
Chapter 2. Hardware Overview

2.1 Rear Panel



CONNECTOR / BUTTON	DESCRIPTION
Reset Default	This button is hidden in the pinhole. Press and hold the reset button until the network camera reboots. This will reset all parameters, including the IP address to factory default settings.
Power Indicator	When the camera is power-supplied, this indicator will be on as red.
Video Output	Connect to the video input connector of your monitor with a video cable (i.e. a RCA line with the BNC connector, or a coaxial line) for video output. * The video cable is optional.
LAN	Connect the camera to the network with the supplied RJ45 cable.
Power Connector	Connect the DC 12V adapter for power supply.

2.2 Upper Side & Underside



Chapter 3. Installation

3.1 Install the Hardware

This camera can be installed in two ways: ceiling-mounted and desktop. During the installation, please make sure the upper side of the camera is always facing up, as shown in Figure 1 below, regardless of which installation way you're using. This is to ensure the video output won't be up side down.

Note:

- The illustrations below are based on the ceiling-mounted installation.
- For the detailed cable connection, please refer to the section "Rear Panel" on Page 4.

Tool needed: Power drill x 1 (not supplied within the sales package)

1. Prepare all the parts needed for camera installation.

Find the network camera, bracket package, a bag of screws & wall plugs, and a cap supplied with the sales package, as shown in Figure 3-1.

Unpack the bracket package to find the bracket disassembled into three parts: the base, stem and joint lock.

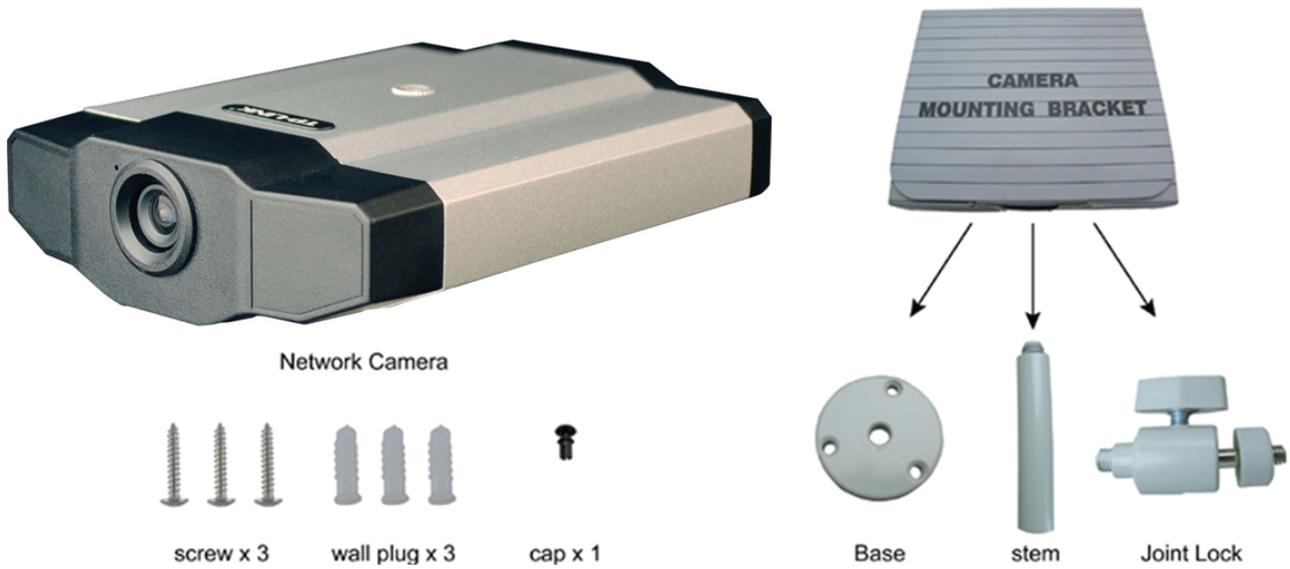


Figure 3-1 Parts needed for camera installation

2. Fix the base of the bracket.

Fix the base of the bracket with the supplied 3 screws to the place you want to install by using a power drill.

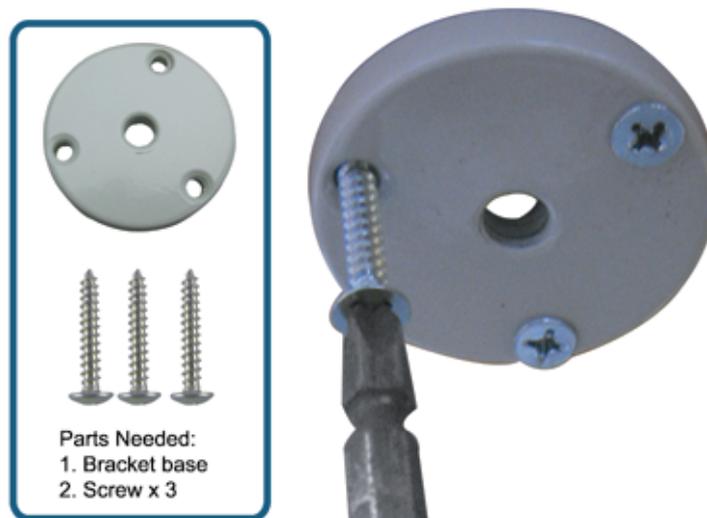


Figure 3-2 Screw the base to the ceiling

3. Assemble the bracket:

- a) Align the stem with the central hole of the base, and rotate it to secure, as shown in Figure 3-3.
- b) Align the joint lock with the stem, and rotate it to secure, as shown in Figure 3-4.



Figure 3-3 Connect the stem to the base



Figure 3-4 Connect the joint lock to the stem

4. Connect the camera to the bracket.

Ceiling-mounted:

With the upper side of the camera facing up, align the mounting screw hole on the upper side with the screw thread of the joint lock, and rotate the camera to secure, as shown in Figure 3-5.

Desktop:

With the upper side of the camera facing up, align the mounting screw hole on the underside with the screw thread of the joint lock, and rotate the camera to secure.

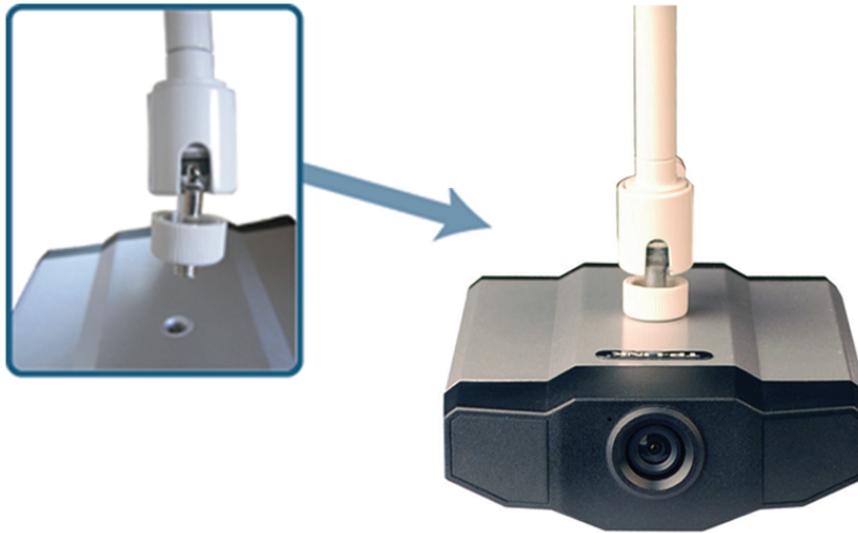


Figure 3-5 Connect the camera to the bracket

5. Insert the cap to the other mounting screw hole of the camera.

Ceiling-mounted:

Insert the cap to the mounting screw hole on the underside of the camera, as shown in Figure 3-6.

Desktop:

Insert the cap to the mounting screw hole on the upper side of the camera.



Figure 3-6 Insert the cap to the camera

6. Adjust the viewing angle of the camera, and fasten the joint lock to fix the angle. The installation is completed, as shown in Figure 3-7.



Figure 3-7 Finish the installation

3.2 Assign an IP address and Access the Camera

Step 1. Install the Software

Place the supplied Video Viewer AP software CD into your DVD- / CD-ROM drive. The installation process will automatically start. Follow the on-screen instructions to install the application programs. After installation, a "Video Viewer" shortcut icon will be shown on your PC desktop.

Step 2. Connect the network camera to the Internet access via a RJ-45 network cable.

Step 3. Search the available IP address to login

Double-click "👁️" icon on your PC desktop to enter the Video Viewer control panel. By defaults, the "Address Book" (📖) panel will be displayed on the right side of the Video Viewer control panel.

Click "🔍" (Search) → "🔄" (Refresh) to search the available IP address(es). The found address(es) will be listed, and can be added into the address book by clicking "➕" (Add into address book).

For details, please see "🔍" (Search) in the user manual.

Select the IP address you just added into the address book, and click "✎" (Edit) to edit the settings.

Double-click the IP address in the address book to login.

👉 Note:

For detailed network settings under different network types (Static IP / PPPOE / DHCP), please refer to "Network" and "DDNS" in the user manual.

If you cannot search any available IP address, please follow the instructions below.

Step 4. Add the IP address and other network settings to login

- a) Double-click "👁️" icon on your PC desktop to enter the Video Viewer control panel. By defaults,

the "Address Book" panel will be displayed on the right side of the Video Viewer control panel.

b) The default network camera settings are as follows:

Item	Default Setting
IP Address	192.168.1.10
User Name	admin
Password	admin
Port Number	80

c) Click  (Address Book) →  (Add) button to key in the IP address, user name, password, and port number of the network camera you intend to connect.

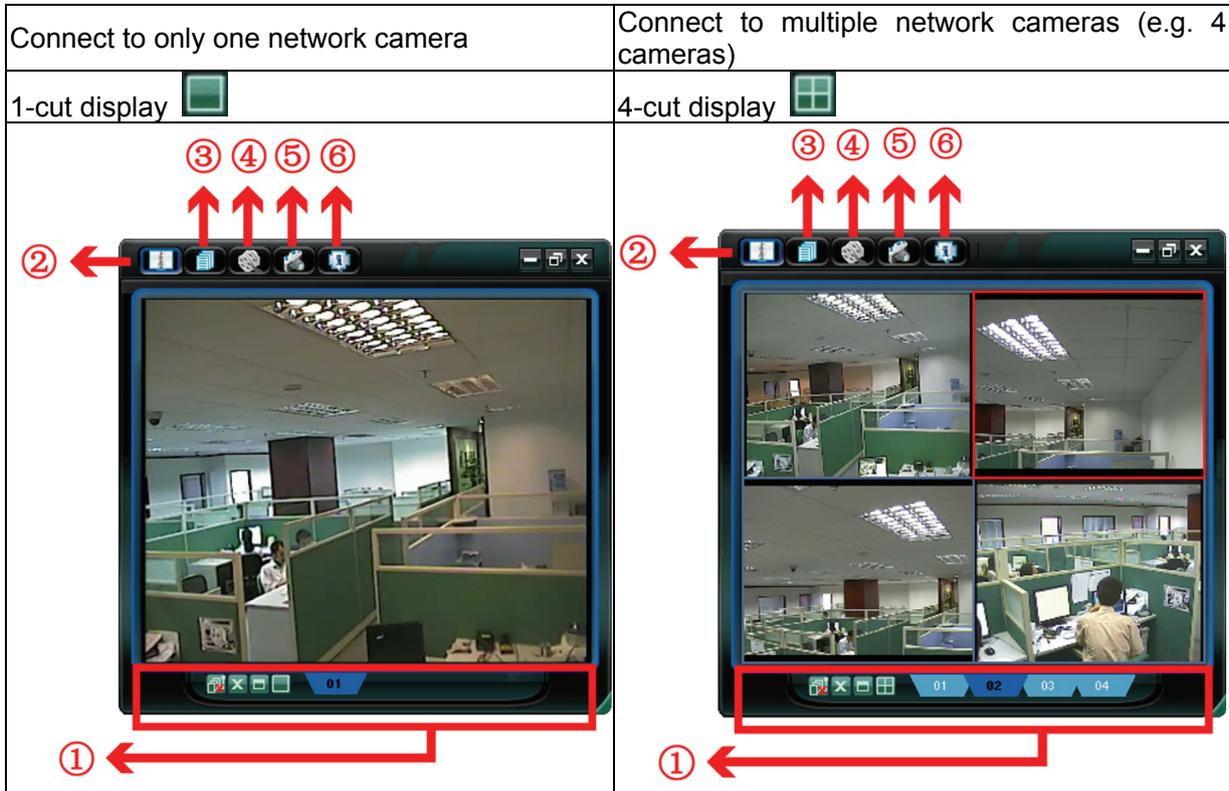
Item	Default Setting
IP Address	192.168.1.10
User Name	admin
Password	admin
Port Number	80

d) Double-click the IP address you just added into the address book to login.

Chapter 4. Video Viewer Basic Operation

4.1 The Live View Page

After setting up the network information, login user name and password, double-click “” on the PC desktop to open and log into the Video Viewer control panel. You will see a screen similar to the following with 6 major sections:



NO.	Button	Function	Description
①		Image Display	To switch to another camera view if two or more network cameras are connected, click the corresponding blue tab. The camera title shown in the blue tab can be customized (For example, “01”, “02”, “03” and “04”). The default camera title is “Camera1”. For detailed camera title setting, please refer to “General” on Page 24. The software can control up to 16 network cameras simultaneously.
		Scale	Click to view the images in the 1-cut, 4-cut, 9-cut and 16-cut mode.
		Full Screen	Click to view the images in the full screen mode. To exit the full screen mode, press “Esc” key on the keyboard of the PC.
		Close	Click to close the current image display view. If the image display view is closed, you will be logged out automatically.
		Close All	Click to close all the current image display view. If the image display view is closed, you will be logged out automatically.

②		Address Book	Click to show the predefined IP address(es). You can add, remove or search the IP address to log in the network camera remotely.
③		Miscellaneous Control	Click to show the main operation functions: audio volume control, color setting, backup, record setting, server setting, upgrade, and find status log list.
④		Record / Stop Record	Click to start / stop the manual recording.
⑤		Snapshot	Click to take a snapshot of the current view. The snapshot will be saved in the path you specified in "Record Setting" on Page 21.
⑥		Information	Click to show the current network connection details.

4.2 Address Book

This view is displayed when the Video Viewer is activated for you to log in / out the network camera from the current address list, or search the available IP address as follows:

Address Book



Search

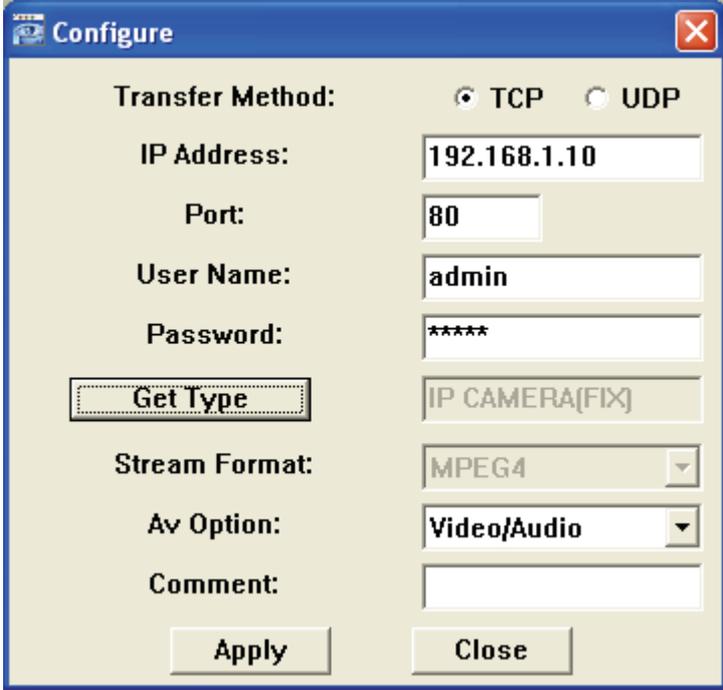


➤  (Address Book)

Click to view the pre-defined network camera access details.

To log in, choose one IP address from the address list, and click the address twice; to log out, click the connected IP address twice.

You can also create new IP address information, or modify or remove the current IP address information.

NO.	Button	Function	Description
1		Add	Click to directly add one IP address for login. Key in all the network camera access information needed, and click “Apply” and “Close” to add the selected address to the address book. 
2		Edit	Select one current IP address from the address list, and click this button to edit the settings.
3		Remove	Select one IP address from the address list, and click this button to delete it.
		Record	Check this checkbox to enable the record settings. For details, please refer to the “Record Setting” on Page 21. The default setting is unchecked.

➤  (Search)

Click to search and view the available IP address(es) for the network camera connection. You can choose one address to add into the address book, edit the details, or update the address list.

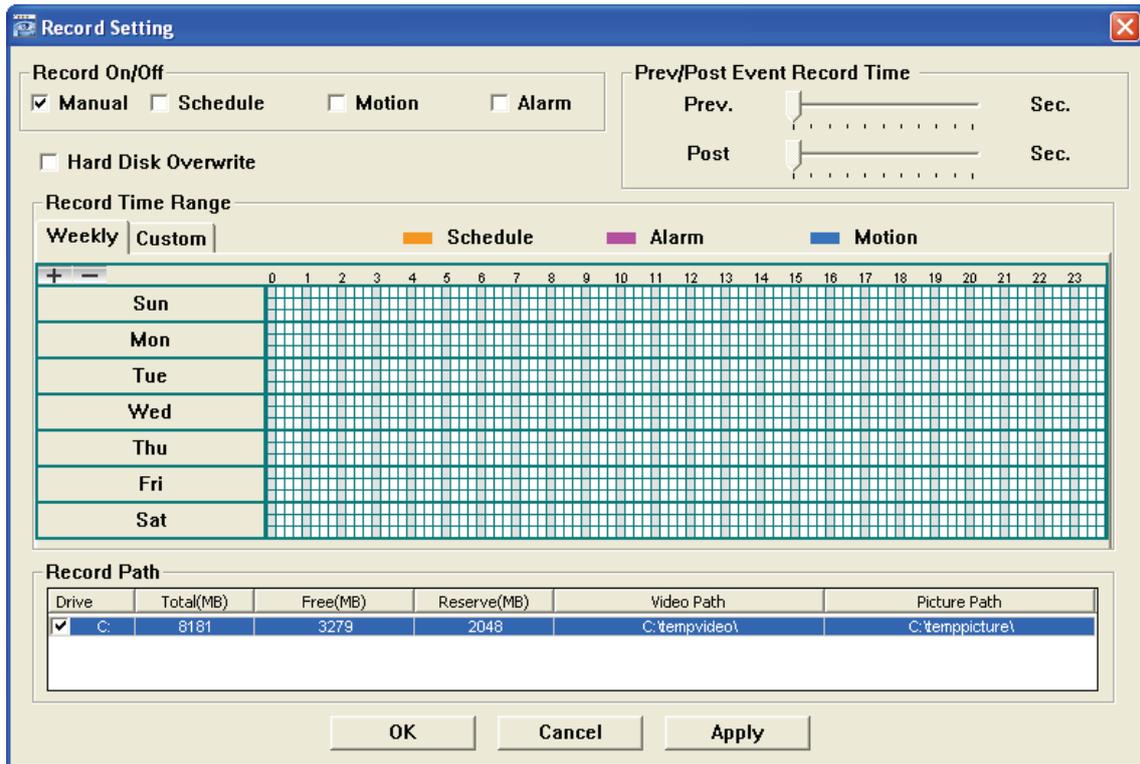
NO.	Button	Function	Description
4		Add into address book	Select from the available IP address list, and click this button. Key in the network camera access information needed, and click “Apply” and “Close” to add the selected address to the address book.
5		Setting	Select from the available IP address list, and click this button to edit the setting.
6		Refresh	Click to update the available IP address list.

4.3 Manual Record

1) Choose the record type and assign the record location

Click  (Miscellaneous Control) →  (Record Setting) to go to the “Record Setting”

page. Check the record type “Manual”, and assign the location to save the recordings by double-clicking the “Video Path” cell.



2) Start manual recording

Once the “Manual” checkbox is checked in the “Record On/Off” section, check the “REC” box in the address book panel “” to start manual recording. When the record function is started, a flashing indication icon will be shown at the bottom right corner of the image display view. And the recordings will be saved in the specified location.



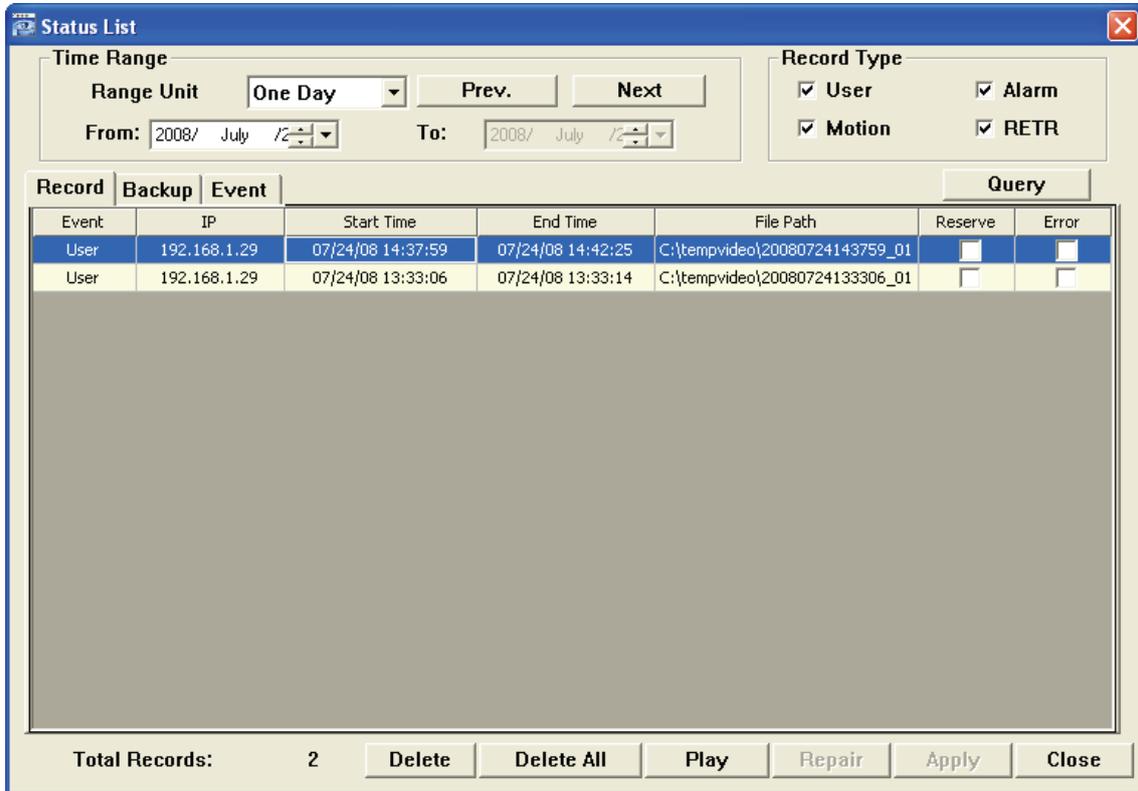
3) If you want to stop recording, click “” on the top bar or cancel ticking off “REC” in the address book

Note:

For detailed schedule record setting, motion-triggered and alarm-triggered recording, please refer to “Record Setting” on Page 21 and “Trigger” on Page 27.

4.4 Playback

To play a recording, click “” (Miscellaneous Control) → “” (Status List), and select the “Record” tab. A list of all the recordings will be shown by defaults, and you can also sort out the logs you want to speed up the search time. For details, please see “Status List” on Page 38.



To immediately play a recording file, select a log from the list, and click “Play” button, or double-click the selected log. Then, the playback control panel will be shown at the bottom of the main control panel similar to the following. For the playback control panel details, please see “Playback Screen” on Page 41.



4.5 Snapshot

To take a snapshot of the current view, click “” (Snapshot) on the main control panel. Once the current view is captured, you’ll see an icon “” shown at the bottom right corner of the image display view.

The snapshot will be saved in the path you specified in “” (Record Setting). For snapshot path setting, please refer to “Record Setting” on Page 21.



4.6 Information

Click this button “” to show the current network connection details:

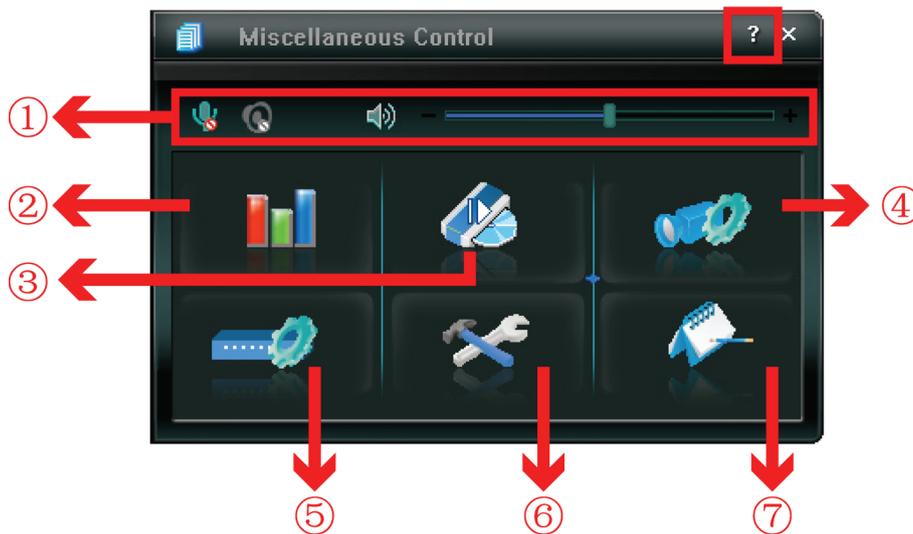
- 1) IP Address
- 2) Transfer Type
- 3) Stream Format
- 4) AV Option
- 5) Bit Rate
- 6) Frame Rate
- 7) Resolution
- 8) Quality
- 9) Server Time
- 10) Online Users
- 11) Handler Name
- 12) Current Disk



Chapter 5. Video Viewer Miscellaneous Control Panel

Click “” (Miscellaneous Control) on the Video Viewer control panel, and 7 functions are available as follows:

Click the button  to show the software version



Click the button  to show the current version of the Video Viewer.			
NO.	Button	Function	Description
①			This volume adjustment button would be enabled in our other models which support 2-way audio
②		Color Setting	Click this button to adjust the brightness / contrast / hue / saturation for the selected network camera. For details, please see “Color Setting” on Page 19.
③		Backup (For DVR only)	The network cameras don't support network backup function. This function is available when the Video Viewer is connected to a DVR. You can log into the DVR via this software and remotely backup the video data saved in the DVR. For details, please see “Backup” on Page 20.
④		Record Setting	Click this button to go to the detailed record setting. For details, please refer to “Record Setting” on Page 21.
⑤		Server Setting	Click this button to go into the detailed server setting. For details, please refer to “Server Setting” on Page 21.
⑥		Tools	Click this button to update the firmware version of your network camera. For details, please refer to “Tools” on Page 36.
⑦		Status List	Click this button to view all the record list and login/logout event list, search the desired log list(s) by date, or playback the recording of the selected log list. For details, please refer to “Status List” on Page 38 .

5.1 Color Setting

In the live view page, choose the desired network camera from the image display tab. Click  (Miscellaneous Control) →  (Color Setting) to go into the “Color Setting” page, and you can adjust the brightness / contrast / hue / saturation for the selected network camera.



Click “” (Set) to apply the change to the selected network camera. Click “” (Default) and click “” (Set) to return to the default color settings.

Note:

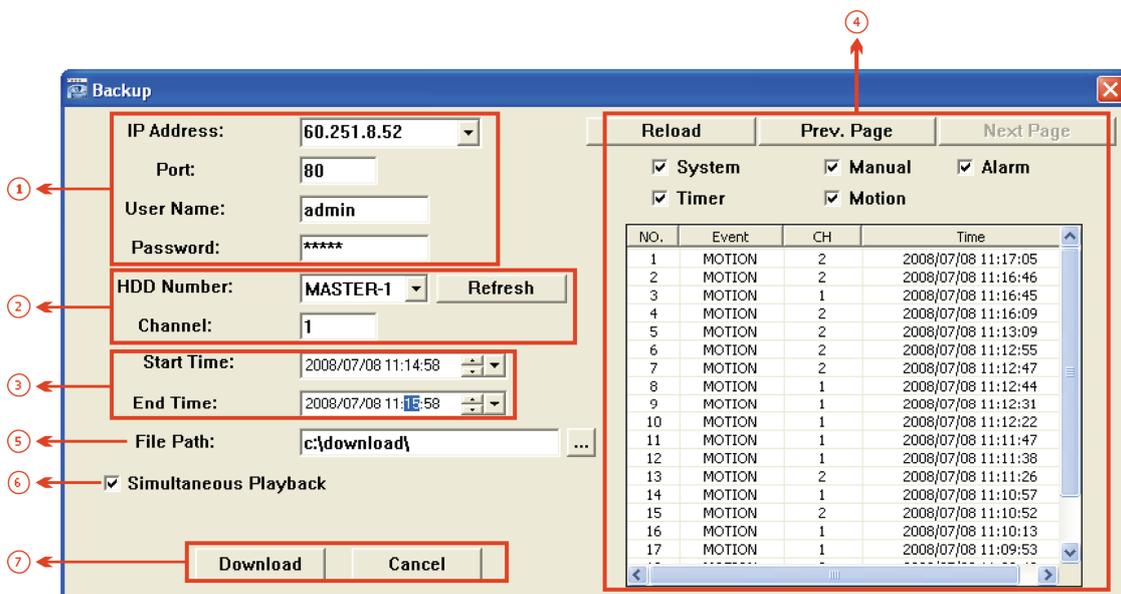
You need to be a supervisor to operate this function. For details, please see “Account” on Page 25.

5.2 Backup (For DVR only)

The network cameras don't have network backup function. This function is available when the Video Viewer is connected to a DVR. You can log into the DVR via this software and remotely backup the video data saved in the DVR. Click “” (Miscellaneous Control) → “” (Backup) to go into the “Backup” page, and you can select a specific time range or event to make a video backup of the recorded files saved in the DVR.

Note:

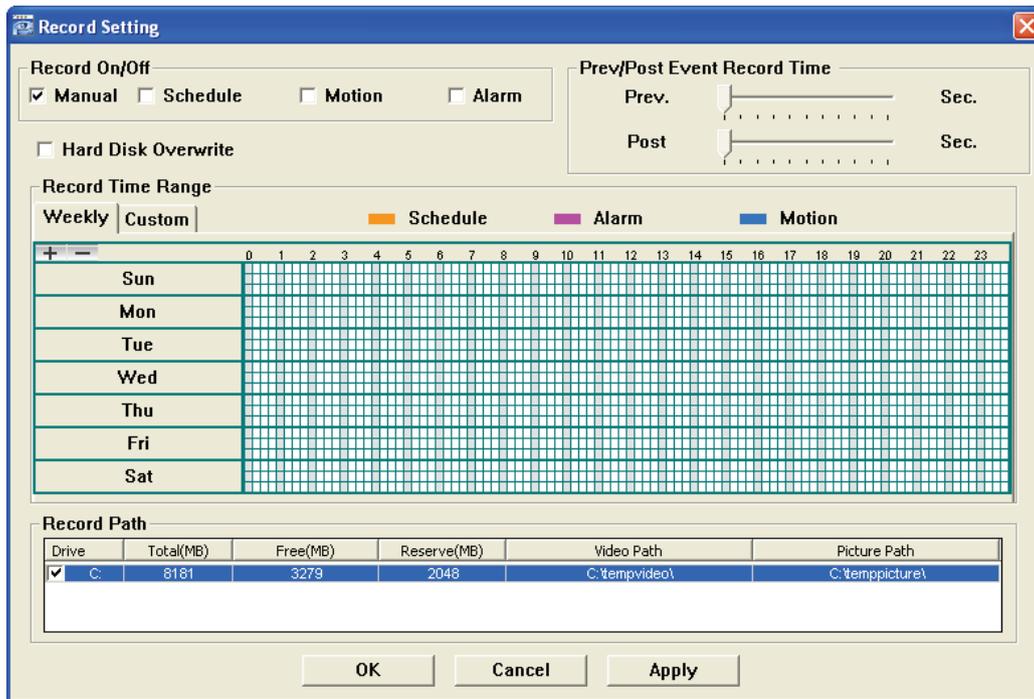
You need to be a supervisor to operate this function. For details, please see “Account” on Page 25.



NO.	Function	Description
①	IP Address / Port / User Name / Password	Select the IP address of the desired network camera from the drop-down list and check if the network information is correct.
②	HDD Number / Channel	Specify the hard disk (HDD Number) and channel number (Channel) within which have the video data you need.
③	Filter the recorded video by time	Specify the time range within which has the video data you want in the “Start Time” and “End Time” columns.
④	Filter the recorded video by event	Select an event type from the event list. This list shows all logs in the specified network storage device from the latest to the earliest. <input type="checkbox"/> To quickly find the events you need, check or uncheck the event type “System” / “Manual” / “Alarm” / “Motion”, and select the log you want. <input type="checkbox"/> To view the earlier or later logs that are not shown in the current page, click “Prev. Page” or “Next Page”. <input type="checkbox"/> To refresh the event list, click “Reload”.
⑤	File Path	Assign the location where the backup files are saved.
⑥	Simultaneous Playback	To view the backup images simultaneously when the download process is in progress, select the checkbox “Simultaneous Playback”. You will see the backup images while the images are being downloaded to the PC or notebook. To simply backup images without previewing, deselect the checkbox “Simultaneous Playback”. You will only see a message box indicating the total time needed, the current status and the saving location.
⑦	Download / Cancel	Click “Download” to start or “Cancel” to discard the video backup.

5.3 Record Setting

Click  (Miscellaneous Control) →  (Record Setting) to go into the “Record Setting” page, and you can set which type of the recording is enabled (Manual / Schedule / Motion / Alarm), and where the recorded data / snapshots are saved.



Note:

Once all the record settings are finished, please check the “REC” checkbox in the address book panel “” to start manual recording. Please refer to “Address Book” on Page 12.

Record On/Off

In this section, you can select which type of the recording will be enabled. There are 4 options: Manual / Schedule / Motion / Alarm.

Prev / Post Event Record Time

In this section, you can set the pre- / post-event record time from 0 ~ 10 seconds by pressing and dragging the slider.

Hard Disk Overwrite

Check this checkbox to overwrite from the oldest recorded data when the HDD is full.

Record Time Range

There are two options available for you to set the recording time: Weekly & Custom.

➤ Weekly

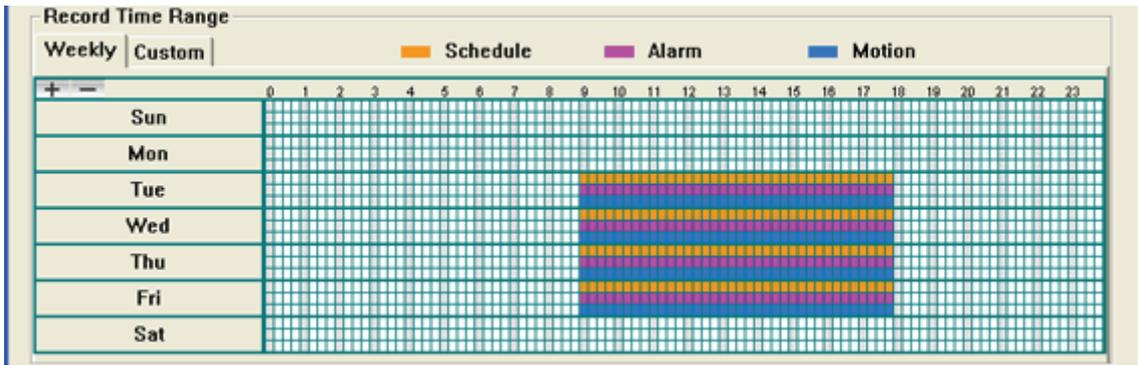
Choose the time box(es) within which you want to enable the recording. The time scale is from 0 ~ 24 hours per day, and there are 3 time lines for each weekday, representing 3 different recording types.

When you select the time box(es), you may see the color orange, pink or blue:

orange => the 1st line, schedule record

pink => the 2nd line, alarm record

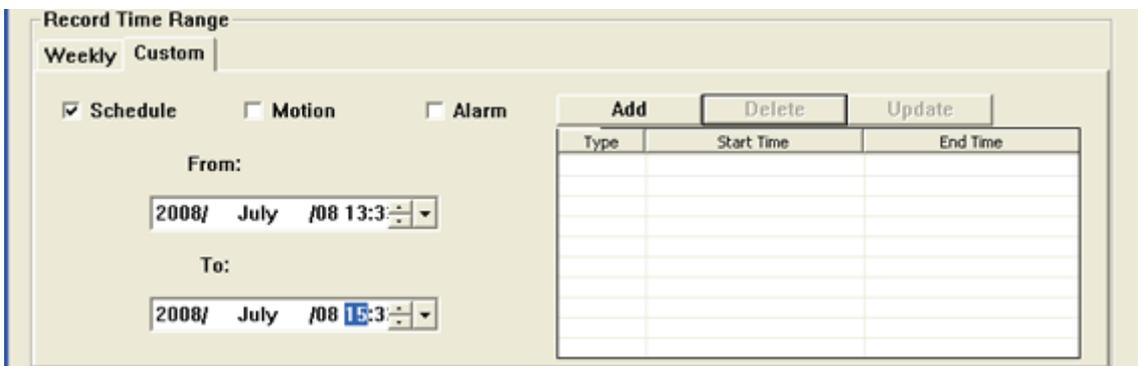
blue => the 3rd line, motion record



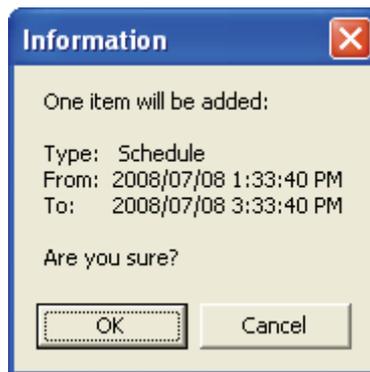
Tip: To set schedule record, alarm record and motion record all at once for the whole week, press “+” button. To clear all record time settings, press “-” button.

➤ Custom

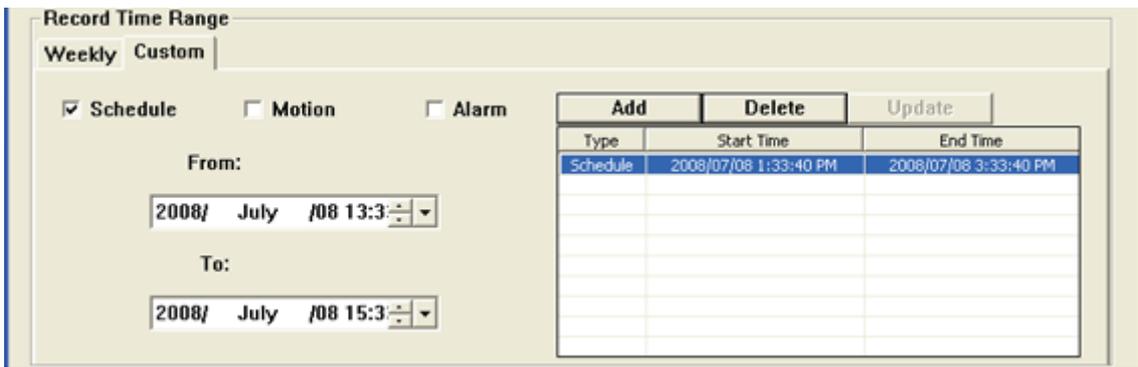
To specify the more specific time for recording, click “Custom”.



- a) Select the desired record type(s) (Schedule / Motion / Alarm), and set the start & end date and time.
- b) Press “Add”, and a pop-up window will appear and ask you to confirm your setting. Click “OK” to add the record setting, or “Cancel” to discard the setting.

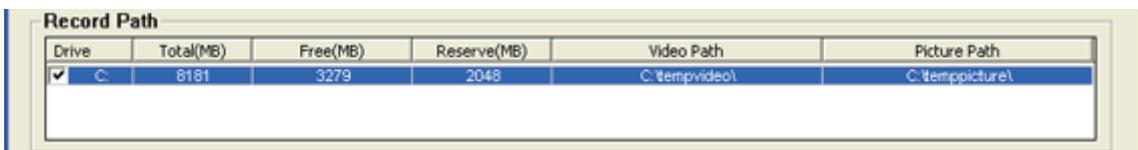


- c) After adding the record setting, you will see the item(s) you added in the custom record list. To delete a certain item, choose the item you want to delete, and click “Delete”. To modify a certain item, choose the item you want to modify, change the start time and end time, and click “Update”.



Record Path

Select and view the location for saving the recorded video and snapshot pictures. To change the saving path for the recorded video clips or snapshots, check the drive you want, click the cell of “Video Path” or “Picture Path” twice, and select a new path for saving the video clips or snapshots.



5.4 Server Setting

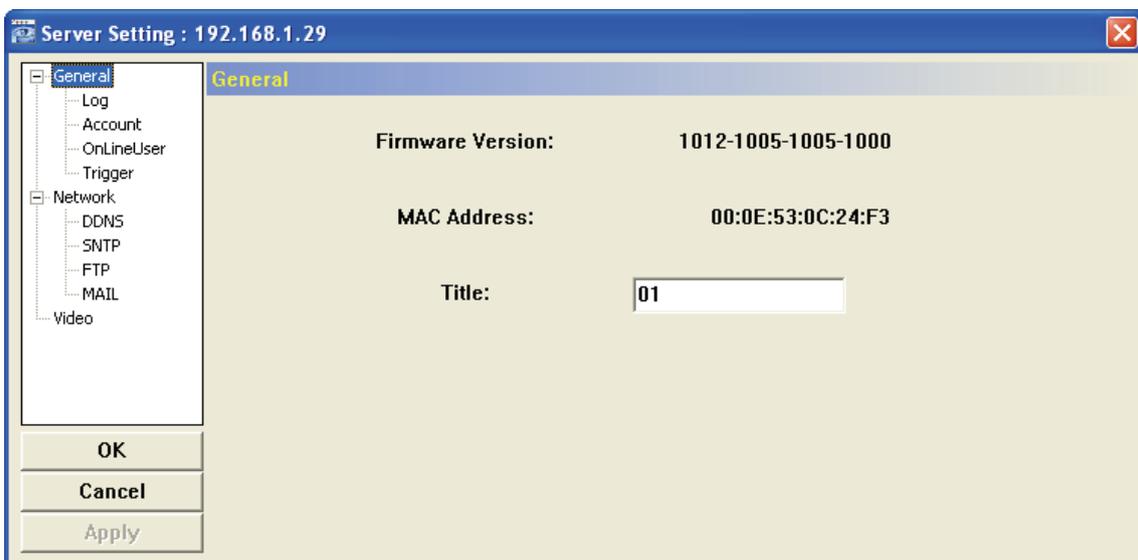
Click “” (Miscellaneous Control) → “” (Server Setting) to go into the “Server Setting” page, and you can view, set or modify all the network camera setting. All the changes you make here will be applied to the connected network camera.

Note:

You need to be a supervisor to operate this function. For details, please see “Account” on Page 25.

5.4.1 General

Click “” (Miscellaneous Control) → “” (Server Setting) → “General” to go into the “General” page. In “General” page, you will see the following items:

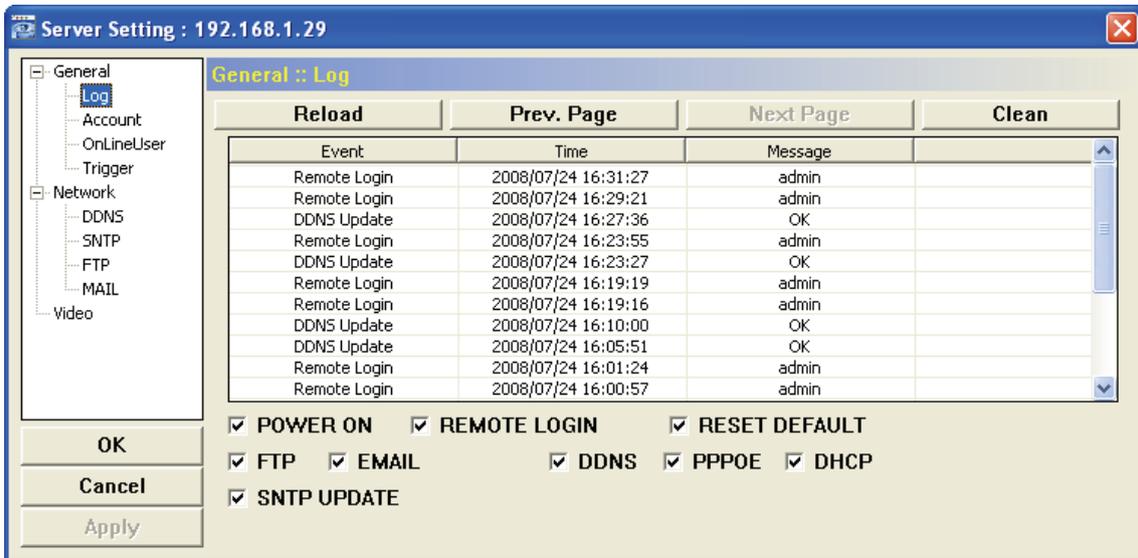


Item	Description
Firmware Version	Display the current firmware version of the network camera.
MAC Address	Display the MAC address of the network camera.
Title	Provide a title for the network camera. Only 15 characters are allowed. The default camera title is "Camera1".

Log

Click  (Miscellaneous Control) →  (Server Setting) → "General" → "Log" to go into the "Log" page. In the "Log" page, you can see all the logs for the network camera, such as "Power On", "Reset Default", "Net Login" and "SNTP Update" ... etc.

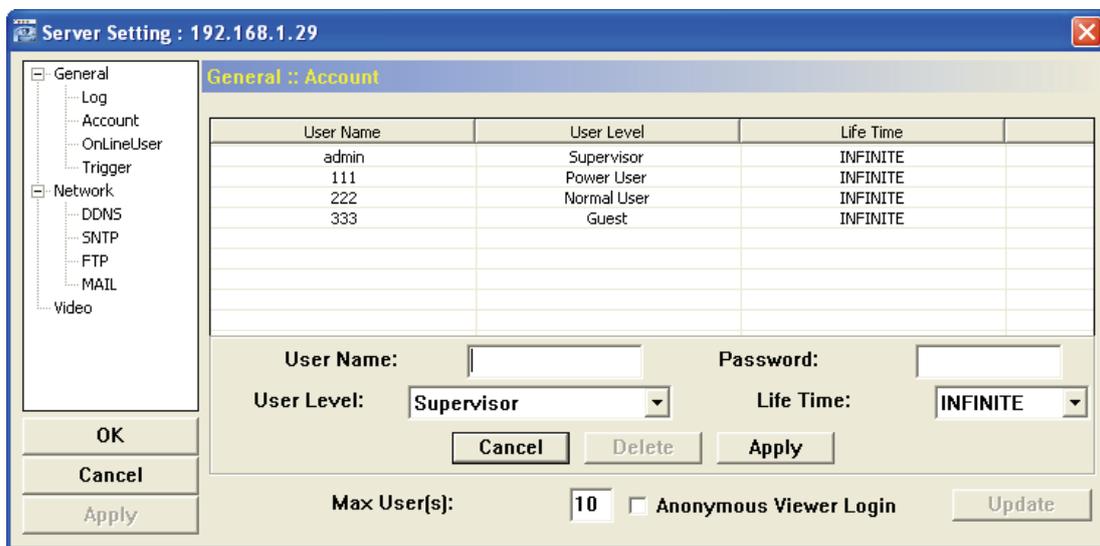
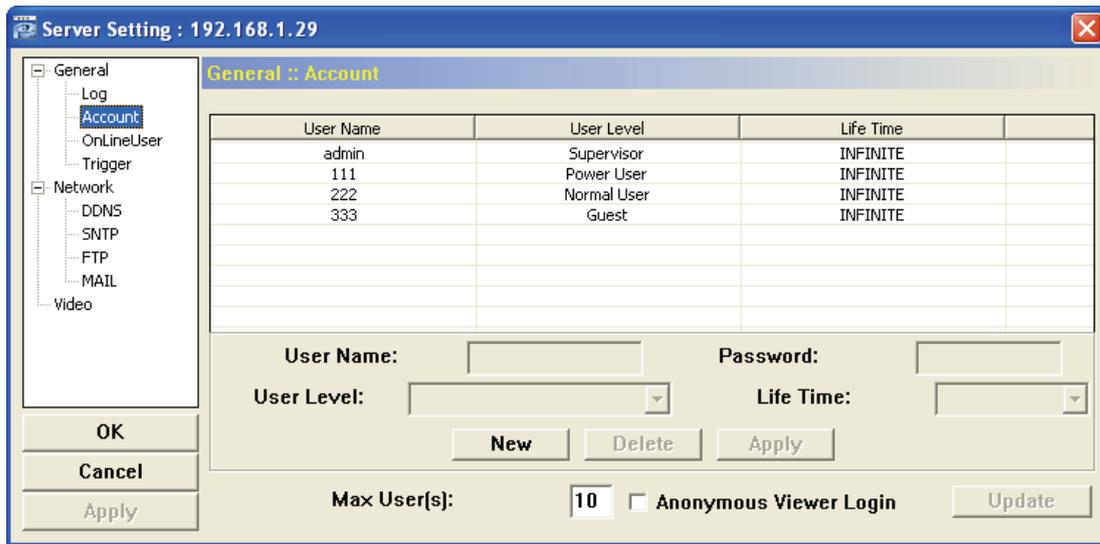
- To refresh the logs, click "Reload".
- To view the earlier or later logs that are not shown in the current page, click "Prev. Page" or "Next Page".
- To clear all the logs, click "Clean".



Account

Click  (Miscellaneous Control) →  (Server Setting) → "General" → "Account" to go into the "Account" page. In the "Account" page, you can create a new account for login, or delete or modify the existing account setting.

To add an account, click "New", and set the "User Name", "Password", "User Level" and "Life Time". Then, click "Apply" to save your setting and create a new account.

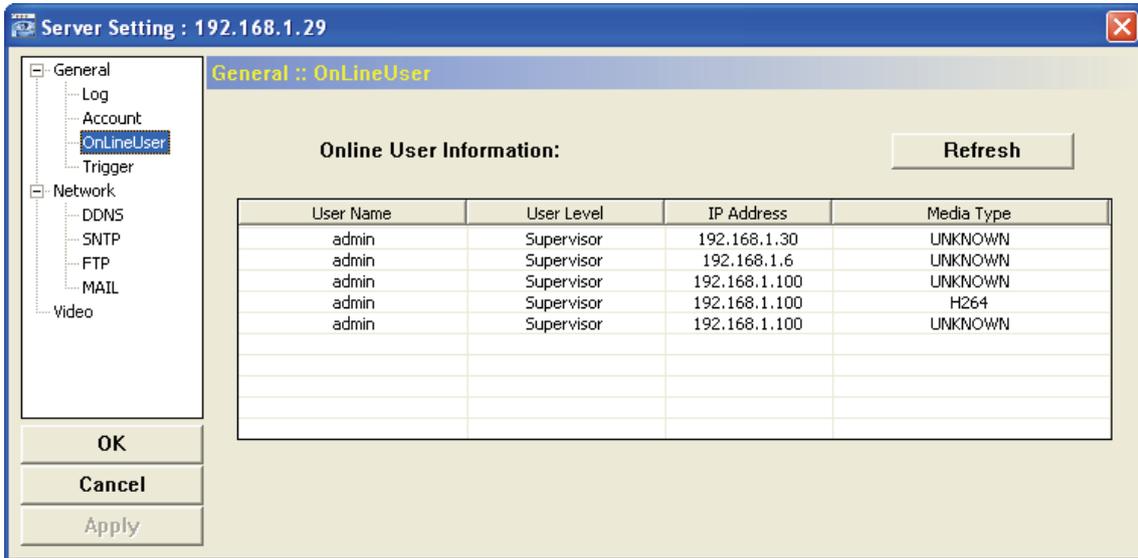


- To modify an existing account, select the account you want, change the setting, and click “Apply”.
- To remove an existing account, select the account you want, and click “Delete”.
- To save your changes, click “Apply”.

Column	Description
User Name	Set a user name that will be used for remote login. The user name allows up to 31 characters.
Password	Set the password that will be used for remote login. The password allows up to 31 characters.
User Level	Set the security level of an account to give the permission to control different Video Viewer functions. There are 4 user levels: “Supervisor”, “Power User”, “Normal User” and “Guest”. For the functions each user level is allowed to access. For details, please refer to Appendix 2 “User Level For Remote Operation” on Page 55.
Life Time	Select how long this account is allowed to stay online (1 MIN / 5 MIN / 10 MIN / 1 HOUR / 1 DAY / INFINITE)
Max User(s)	Allow maximum 10 online users simultaneously

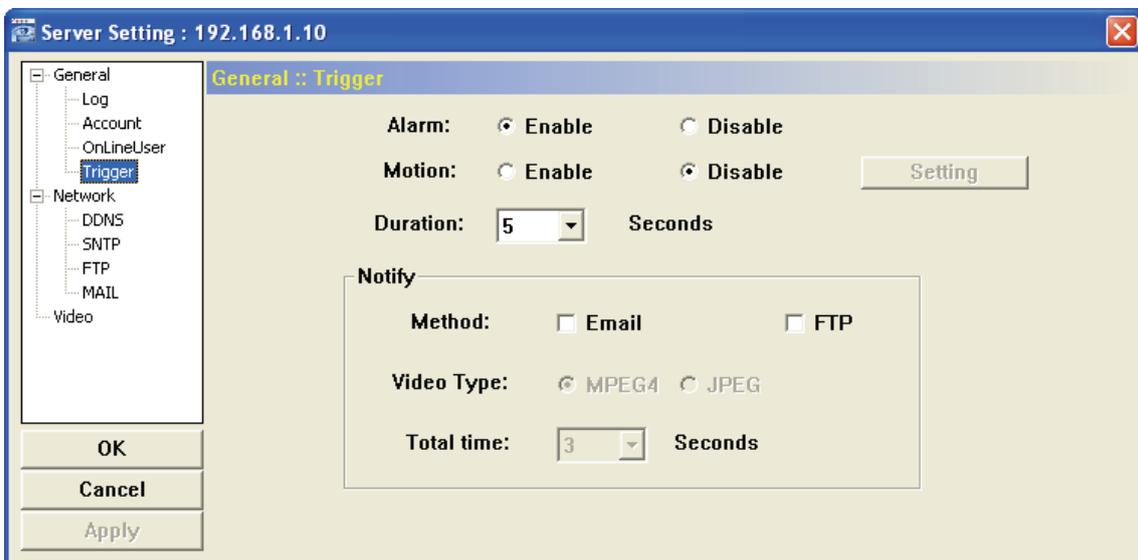
Online User

Click “” (Miscellaneous Control) → “” (Server Setting) → “General” → “OnLineUser”, and you can check all the online user information. To update the user information, click “Refresh”.



Trigger

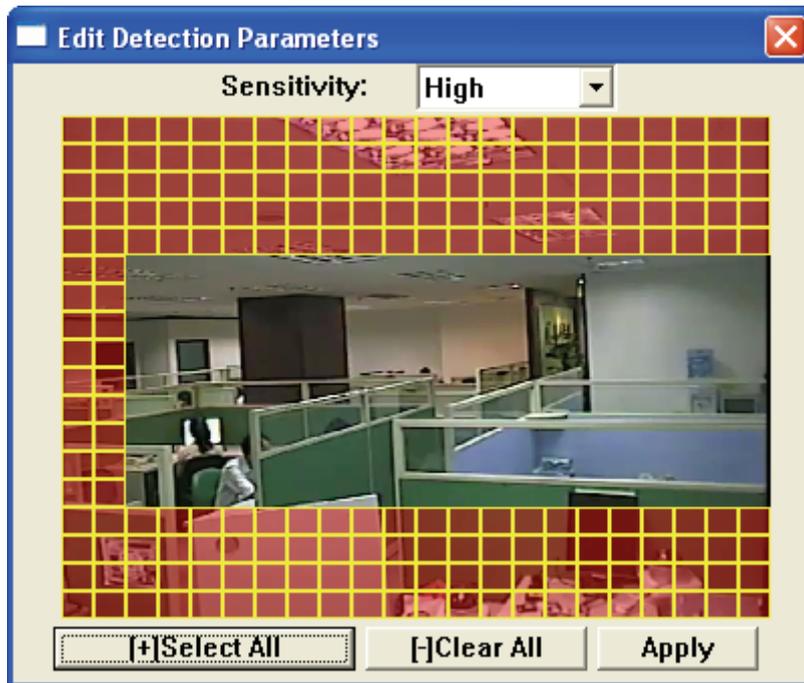
Click “” (Miscellaneous Control) → “” (Server Setting) → “General” → “Trigger” to enter this page.



➤ Motion Trigger:

Item	Description
Motion	In this section, you can select to enable the function of motion trigger.
Duration	Set the duration time of the motion trigger recording (5 / 10 / 20 / 40 seconds).

Select to enable the function of motion trigger. And then click “Setting” to set the motion detection area.



Function	Description
Sensitivity	Set the detection sensitivity: 0 ~ 9, the higher the number, the lower the sensitivity.
Motion Detection Setting Area	Set the motion detection area by selecting the area grids with your mouse. Pink grids represent the area that is not being detected while the transparent grids are the area under detection. You can set multiple areas under detection.
Select All	Click “+” (Select All) to set the whole area under detection.
Clear All	Click “-” (Clear All) to set the whole area undetected.
Apply	After setup, click “Apply” to confirm.

➤ Notify

In this section, you can select to enable the function of E-mail and/or FTP notification.

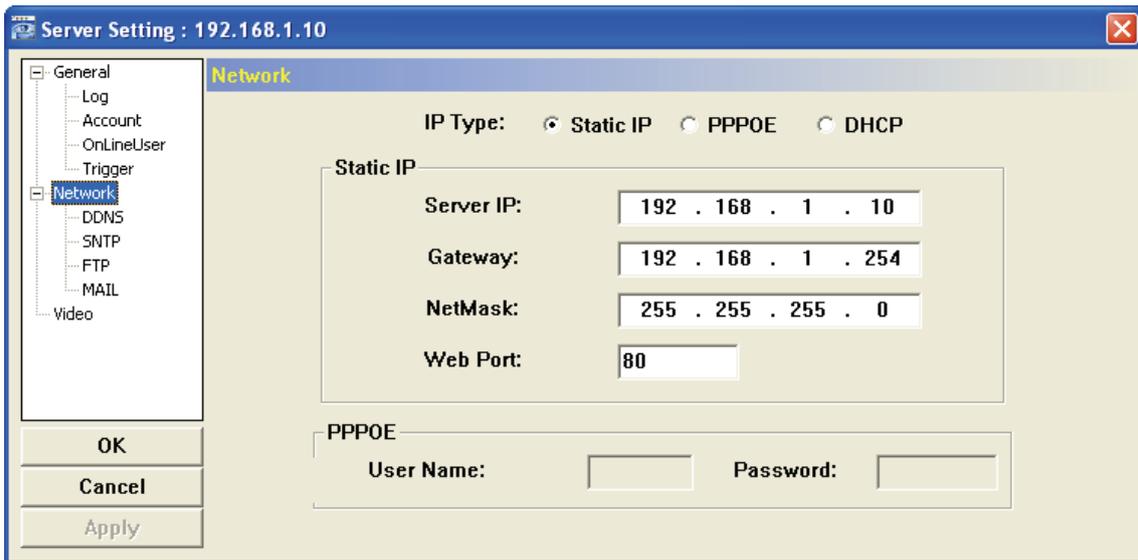
Item	Description
Method	<ul style="list-style-type: none"> • Email If the E-mail notification function is activated, the network camera will send the captured video clip to the assigned E-mail address(s) once motion-trigger or alarm-trigger recording happened. • FTP If the FTP notification function is activated, the network camera will upload the captured video clip to the specified FTP site once motion-trigger or alarm-trigger recording happened.
Video Type	Display the video type of the notification files. The video type will vary according to the setting of “Stream Format” in the “  ” (Address Book) page.
Total Time	<p>If you’ve set the video type as MPEG4, you can set the record time of the notification video clip as 1 ~ 5 seconds.</p> <p>If you’ve set the video type as JPEG, then this option stands for 1 ~ 5 images.</p>

Note:

- If your network camera & mail server are not connected by LAN, and the network connection is not stable or failed, the notification method by Email or FTP might be failed.
- Sometimes the length of the video clip emailed or uploaded might not be the same as the one you specified in “Total Time”. This is because the system can only emailed or uploaded up to 500KB video clip.

5.4.2 Network

Click “” (Miscellaneous Control) → “” (Server Setting) → “Network” to go into the “Network” page. In “Network” page, you can set the network configuration of the network camera.



Select the network type you will be using for the network camera connection. There are 3 network connection types: Static IP, PPPOE and DHCP.

Note:

PPPOE and DHCP network connection types are required to apply the DDNS service to get a “Hostname” to correspond to a dynamic IP address. Please refer to “DDNS” section for details.

Function	Description
Web Port	Typically, the default TCP port used by HTTP is 80. However, in some cases, it is better to change this port number for added flexibility or security. The valid web port number ranges from 1 to 9999.
Static IP	Computers are communicated and recognized by their own unique IP addresses over the Internet. “Static IP” provided by your ISP (Internet Service Provider) means the IP address of the computer is fixed. Key in the server IP address, gateway and network information provided by your ISP provider to configure a static IP network connection.
PPPOE	PPPOE stands for Point-to-Point Protocol over Ethernet. Users can easily have the Internet service as long as they’re ready for the following things: 1) Insert an Ethernet card into the PC. 2) Obtain the ADSL service via any ISP. 3) Obtain and install the PPPOE software CD. When everything is ready, choose the “PPPOE” IP type, and key in the user name and password provided by your ISP. Then, select “Network” → “DDNS” to set DDNS settings. For detailed DDNS settings, please refer to “DDNS” section.

Function	Description
DHCP	This DHCP function needs to be supported by a router or cable modem network with the DHCP service. Choose the "DHCP" IP type, and select "Network" → "DDNS" to set DDNS settings. For detailed DDNS settings, please refer to "DDNS" section.

DDNS

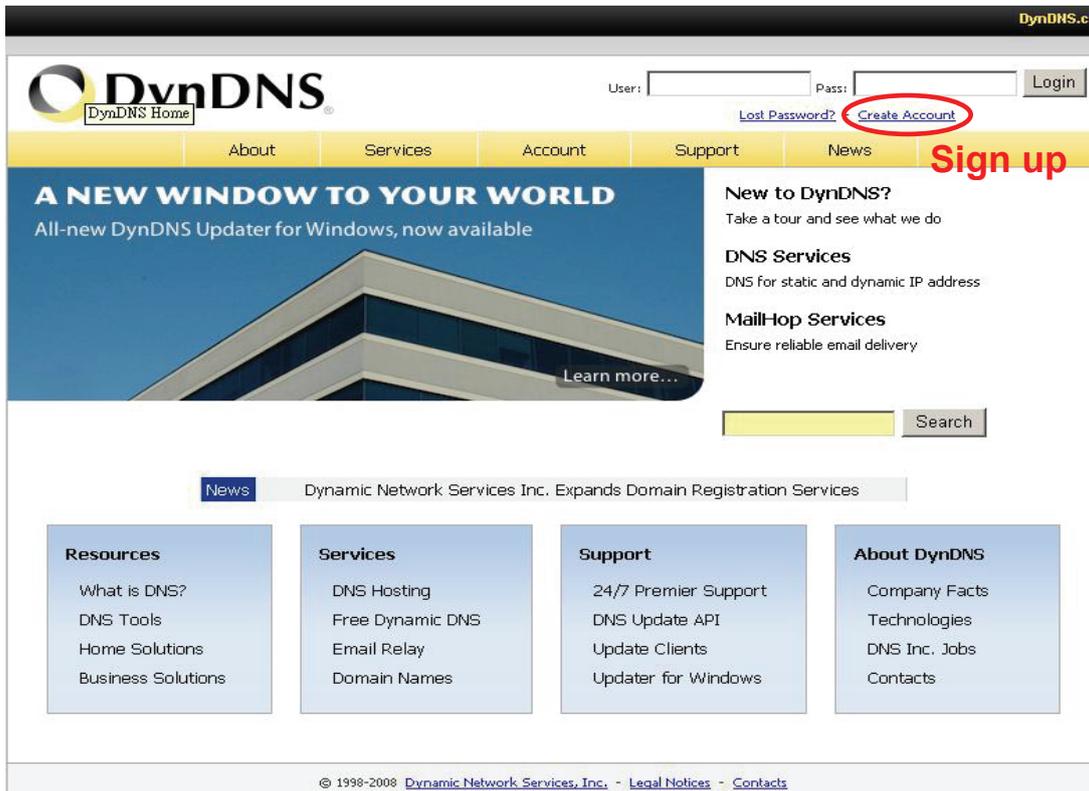
You need to apply a DDNS account before setting PPPOE or DHCP connection. DDNS is a service for transforming the dynamic IP corresponding to a specific "host name". Go to a website which provide free DDNS services and apply a host name.

Click "Miscellaneous Control" → "Server Setting" → "Network" → "DDNS" to enter.

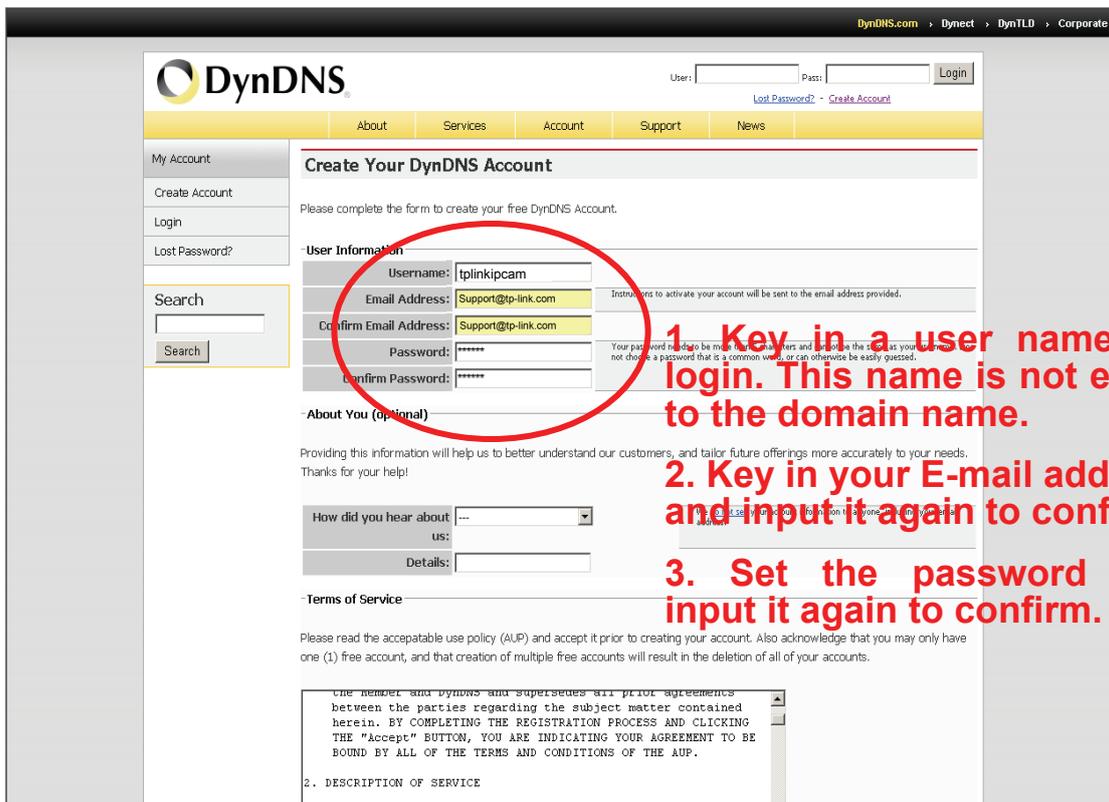
➤ DDNS Apply:

Under the connection of PPPoE or DHCP, you could key in the domain name which points to the IP address of you DVR to login. However, you need apply for a DDNS account at first.

Go to <http://www.dyndns.com> and sign up a DDNS account.



Enter all the information necessary for signing up an account according to the website instructions.



the member and DynDNS and SuperServer all prior agreements between the parties regarding the subject matter contained herein. BY COMPLETING THE REGISTRATION PROCESS AND CLICKING THE "Accept" BUTTON, YOU ARE INDICATING YOUR AGREEMENT TO BE BOUND BY ALL OF THE TERMS AND CONDITIONS OF THE AUP.

2. DESCRIPTION OF SERVICE

DynDNS is providing the Member with various DNS-based aliasing and hosting services. The Member must (1) provide all equipment necessary for its own Internet connection, including computer and modem, and (2) provide for the Member's own access to the Internet and pay any fees related with such connection. The Member agrees to provide and maintain certain current, complete, and accurate information about the Member as prompted to do so by the Service. All information requested on system shall be referred to as

I agree to the AUP:

I will only create one (1) free account:

Mailing Lists (optional)

DynDNS maintains a number of mailing lists designed to keep our users informed about product announcements, client development, our company newsletter, and our system status. Please use the checkboxes below to alter your subscription preference. Your subscription preference may be changed at any time through the [account settings](#) page.

newsletters:

press-releases:

system-status:

Next Step

After you click "Create Account", we will create your account and send you an email to the address you provided. Please follow the instructions in that email to confirm your account. You will need to confirm your account within 48 hours or we will automatically delete your account. (This helps prevent unwanted robots on our systems)

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4. Click "Create Account".

Then, you will see the screen "Account Created", and DynDNS will email the instructions to your specified E-mail address. Please read this email within 48 hours and complete the procedure to activate your account according to the instructions in the email.

Go to the hyperlink in the email and you will see "Account Confirmed". Your account is created successfully now. Input the user name and the password you preset before to log in.

DynDNS.com > Dynect > DynTLD > Corporate

DynDNS

User: Pass:

[Lost Password?](#) - [Create Account](#)

About Services Account Support News

Account Confirmed

The account fireboy has been confirmed. You can now [login](#) and start using your account.

Be informed of new services, changes to services, and important system maintenance/status notifications by subscribing to our [mailing lists](#). Once there, you may subscribe to the Announce list by checking the appropriate box and clicking the "Save Settings" button.

- [Create a dynamic DNS host with your own domain name](#)
- [Create a dynamic DNS host within our domains](#)
- [Use our MailHop mail services](#)
- [Register a domain name](#)

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Input the user name and the password to login.

Click "Add Host Services"

DynDNS.com > Dynect > DynTLD > Corporate

Logged In User: **tplinkcam**
[My Services](#) - [My Cart](#) - [Log Out](#)

About Services Account Support News

Access to more domains, [Premium Domains](#). Consider an [Account Upgrade](#).

My Account

My Services

Account Settings

Billing

My Cart
0 Items

Search

Search

Account Summary for avtechipcam

My Services
View, modify, purchase, and delete your services.

[My Zones](#)
[Add Zone Services](#)

My Hosts
[Add Host Services](#)

[Account Upgrades](#)

[MailHop Outbound](#)

[Network Monitoring](#)

[SSL Certificates](#)

[Recursive DNS](#)

[Support](#)
[DNS Service Level Agreement](#)
[Premier Support](#)
[Contact Support](#)

Billing
Update your billing information, complete a purchase, and view invoices.

[View Shopping Cart](#)

[Active Services](#)

[Order History](#)

[Billing Profile and Vouchers](#)

[Renew Services](#)

[Auto Renew Settings](#)

[Sync Expirations](#)

Account Settings
Update your email address, set preferences, and delete your account.

[Change Email Address](#)

[Change Password](#)

[Change Username](#)

[Contact Manager](#)

[Mailing Lists](#)

[Move Services](#)

[Preferences](#)

[Close Account](#)

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DynDNS

Logged In User: **tplinkcam**
[My Services](#) - [My Cart](#) - [Log Out](#)

About Services Account Support News

Want 25 additional hostnames? Consider an [Account Upgrade](#).

My Account

My Services

Account Upgrades

SLA

Premier Support

Zone Services

Host Services

MailHop Outbound

Recursive DNS

Network Monitoring

SSL Certificates

Renew Services

Auto Renew Settings

Sync Expirations

Account Settings

Billing

My Cart
0 Items

Search

Search

Add New Hostname [↑ Host Services](#)

Note: You currently don't have Account Upgrades in your account. You cannot use some of our Host Service features. Please consider buying Account upgrade that make this form full-functional and will add several other features. [Learn More...](#)

1. Input a meaningful host name

Hostname: **2. Choose a domain**

Wildcard: Yes, alias "*.hostname.domain" to same settings.

Service Type:

Host with IP address

WebHop Redirect

Offline Hostname

IP Address:
[Use auto detected IP address 211.75.84.96.](#)

TTL value is 60 seconds. [Edit TTL.](#)

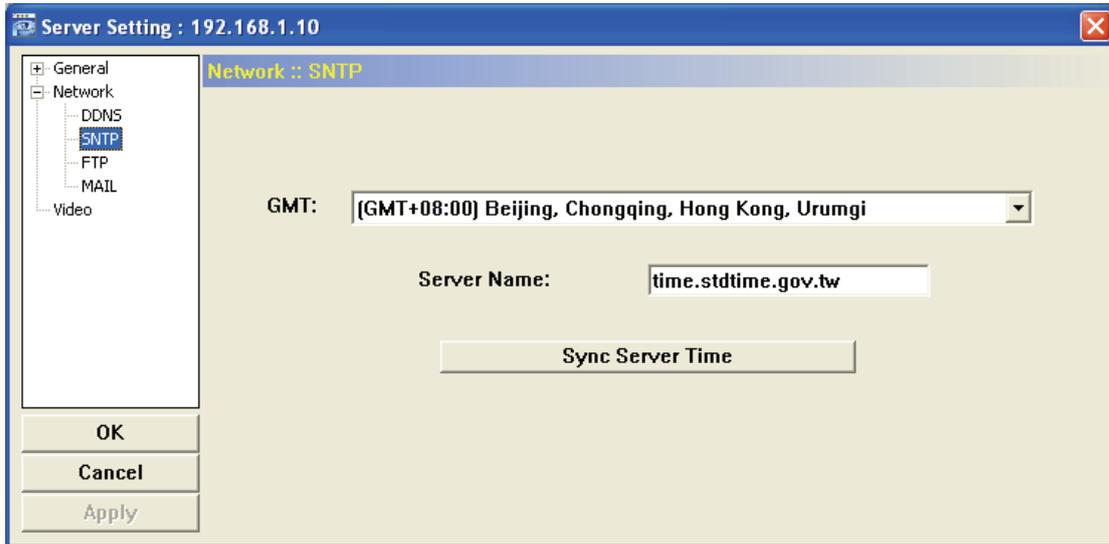
Mail Routing: Yes, let me configure Email routing.

Create Host

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SNTP

SNTP (Simple Network Time Protocol) is for time setting. Click “” (Miscellaneous Control) → “” (Server Setting) → “Network” → “SNTP” to go into the “SNTP” page.



Function	Description
GMT (Greenwich Mean Time)	Once users choose the time zone, the network camera will adjust the local area time of the system automatically.
Server Name	Users can simply use the default SNTP server (For example, time.stdtime.gov.tw).
Sync Server Time	The network camera will synchronize the time with the network time.

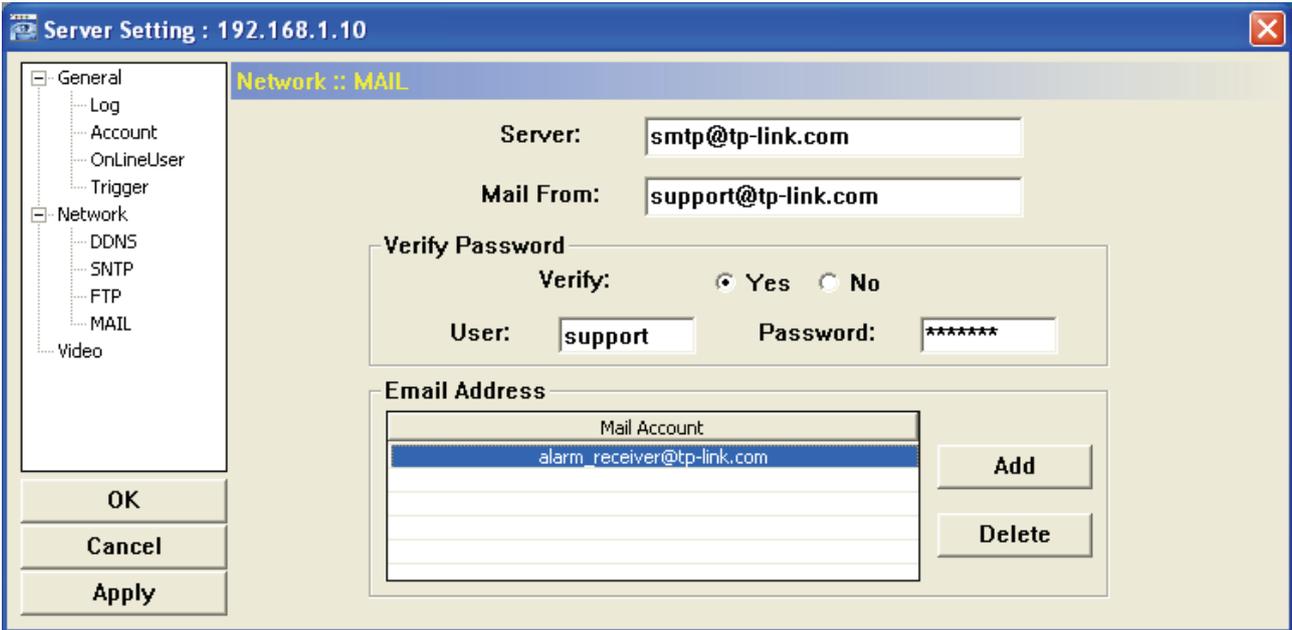
FTP

Click “” (Miscellaneous Control) → “” (Server Setting) → “Network” → “FTP” to go into the “FTP” page. Enter the detailed FTP information and press “Apply” to confirm. The information you set here will be applied when the function of FTP notification is enabled in the "Trigger" menu.



MAIL

Click  (Miscellaneous Control) →  (Server Setting) → “Network” → “MAIL” to go into the “MAIL” page. Enter the detailed E-mail information and press “Apply” to confirm. The information you set here will be applied when the function of E-mail notification is enabled in the "Trigger" menu.



Server Setting : 192.168.1.10

Network :: MAIL

Server:

Mail From:

Verify Password

Verify: Yes No

User: Password:

Email Address

Mail Account
alarm_receiver@tp-link.com

Add

Delete

OK

Cancel

Apply

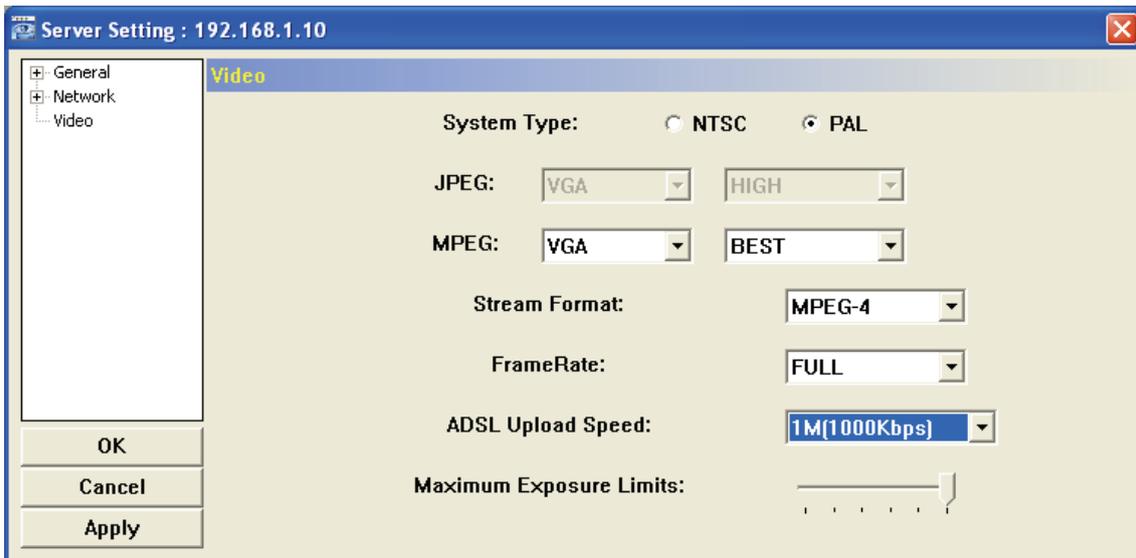
Function	Description
Server	Enter the SMTP server address provided from your e-mail system supplier.
Mail From	Enter the entire mail address to ensure E-mails will not be blocked by SMTP. The account would be the mail sender.
Verify Password	Some mail servers are required to verify the password. Please enter the “user name” and “password” of the sender account.
Email Address	Add the E-mail address(s) of the assigned recipient(s).

 **Note:**

Users can assign up to 4 mail accounts for E-mail notification.

5.4.3 Video

Click  (Miscellaneous Control) →  (Server Setting) → “Video” to go into the “Video” page.



Item	Description
JPEG	Choose the image size (VGA / QVGA) and picture quality (BEST / HIGH / NORMAL / BASIC) when the web transmission format is JPEG.
MPEG	Choose the image size (VGA / QVGA) and picture quality (BEST / HIGH / NORMAL / BASIC) when the web transmission format is MPEG.
Frame Rate	The frame rate allowed to each viewer can be adjusted to adapt to the bandwidth on the network. Set the desired image frequency to the maximum (FULL) or to a specified frame rate (HALF / ONE THIRD / QUARTER / ONE FIFTH / ONE TENTH). The actual frame rate depends on the actual network connection, and may be lower than the specified one.

5.5 Tools

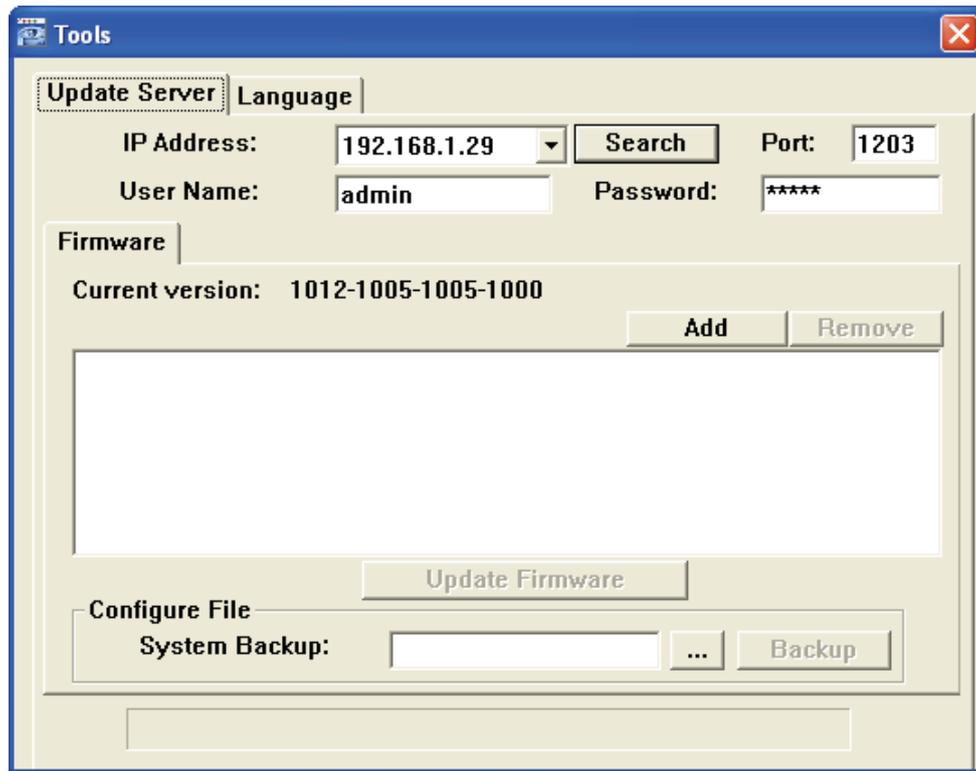
Click  (Miscellaneous Control) →  (Tools) to go into the “Tools” page.

Note:

You need to be a supervisor to operate this function. For details, please see “Account” on Page 25.

5.5.1 Firmware Upgrade

In this page, you can upgrade the firmware of your network camera.



Function	Description
Update Server	Select the IP address of the network camera. Make sure the network settings of the selected network camera are correct.
Current Version	In the “Firmware” section, you will see the current firmware version. For example, 1010-1004-1003-1000
Add	To upgrade the firmware version of your network camera, click “Add” to locate and select the firmware files. There are several upgrade files. Please upgrade one by one.
Update Firmware	To start upgrading the firmware of the network camera, click “Update Firmware” to start the upgrade process. After upgraded, you will see a message shown on the screen: “Update Firmware Succeeded! Don’t plug off power, the machine will reboot automatically!”
System Backup (For DVR only)	If you want to backup your system before upgrading the firmware version, select “System Backup” in the “Configure File” section, click “...” to specify the location for saving system backup, and click “Backup” to start the backup process.

Note:

The network setting of the camera might restore to default values after upgrade. If this is true, please set the network information again.

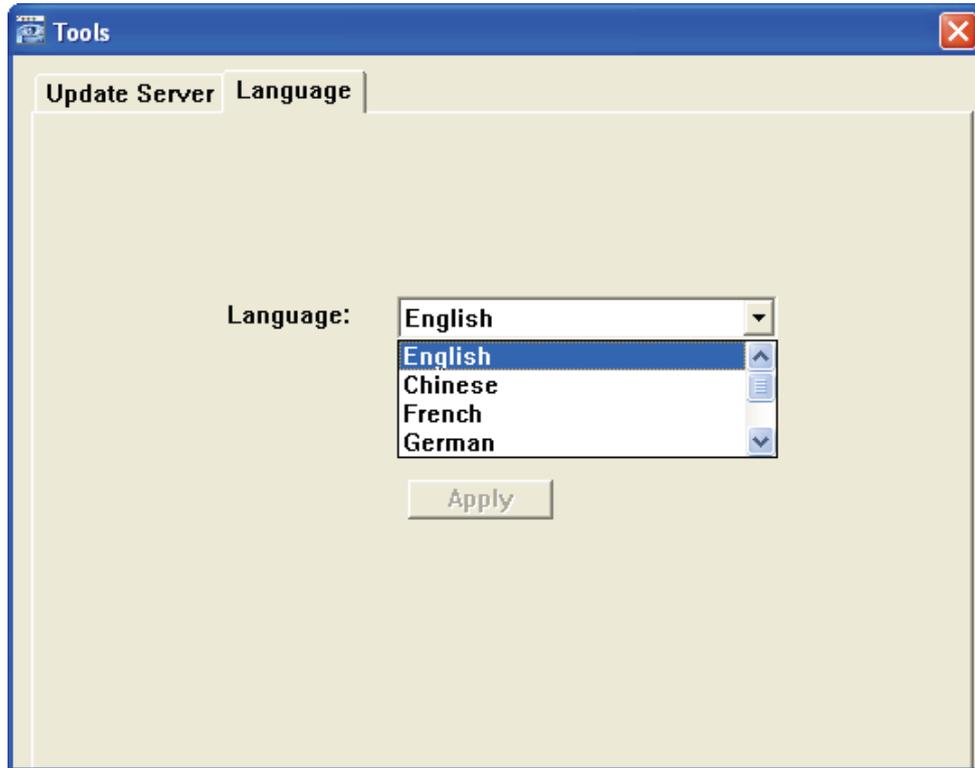
5.5.2 Language Selection

This software is available in English / Chinese / French / German / Portuguese / Spanish / Japanese.

Select a language from the drop-down list, and press “Apply”. You will be prompted to restart the application to make this change take effect.

Note:

The default language depends on the operation system of your PC. If the language of your operation system is not supported by this software, English will be the default language.



5.6 Status List

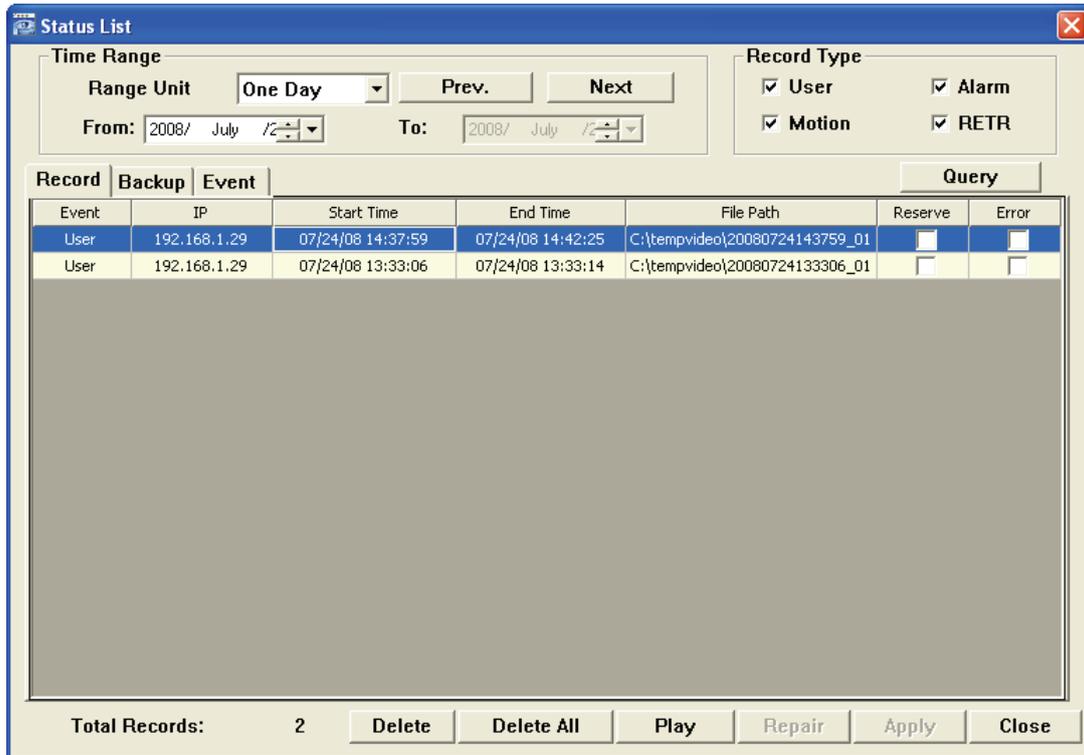
Click  to view all the event and record logs (All), or search for the specific log(s) by date or by record type (Condition).

There are three types of logs: Record, Backup and Event. To playback the recorded data for a specific record or backup log, select the log, and double-click to start the video playback.

For detailed playback operation, please refer to "Playback Screen" on Page 41.

5.6.1 Record

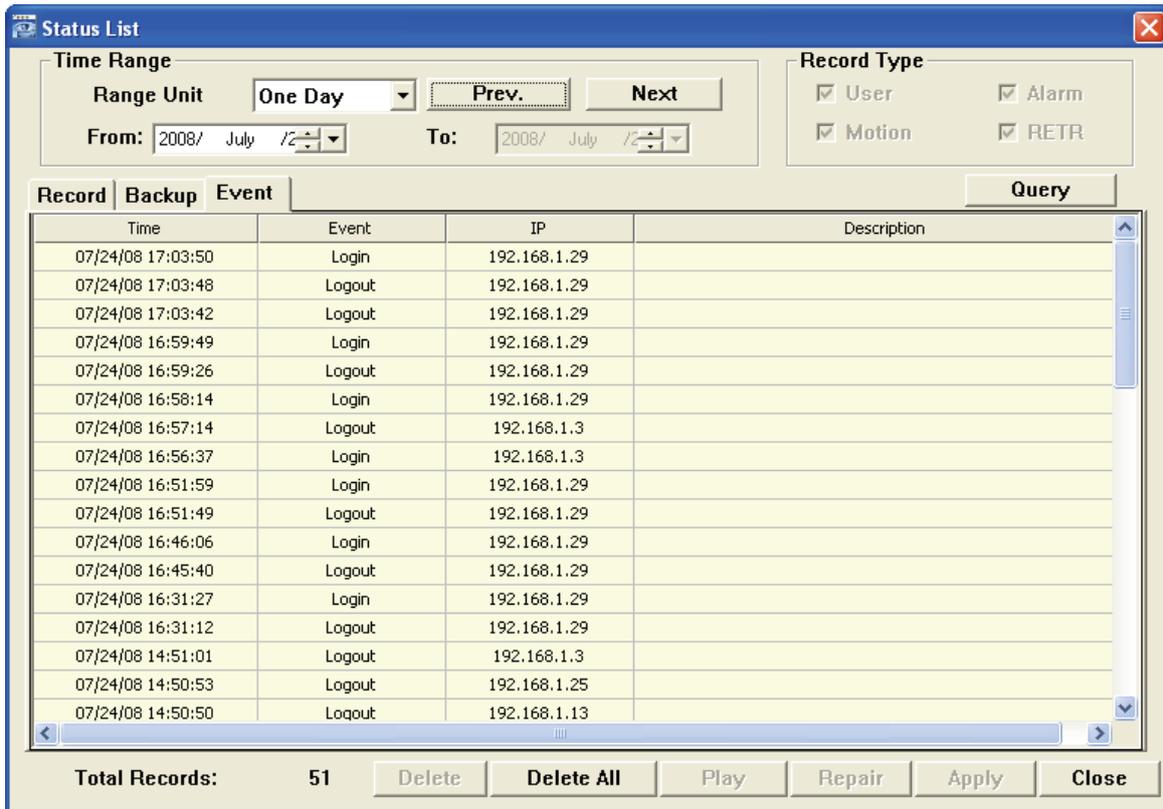
Select "Record" to search for the specific log(s) by date or by record type.



Button / Function	Description
Range Unit	Set different time range unit (One Day / One Week) of the event logs.
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.
Record Type	This section is enabled only when the "Record" tab is selected. Select the record type you want to search (User / Alarm / Motion).
Query	When all the search criteria are set, click to search the specified logs. The result will be displayed in the log list, arranged by time from the earliest to the latest.
Delete / Delete All	Click "Delete" to remove the selected log(s), or click "Delete All" to clear the current log list. Tip: To select more logs all at once, press and hold the "Ctrl" key on your keyboard, and click to select the logs you want to remove.
Play	Click to play the selected record log. The playback panel will be shown for your further operation. For playback details, please see "Playback Screen" on Page 41.
Repair	Click to fix the log with errors.
Apply	This button is available in the "Record" tab when the "Reserve" checkbox is checked or unchecked. If you want to keep an important record log for future reference and it can't be removed, check the "Reserve" checkbox, and click "Apply". The selected log will be kept and won't be deleted when somebody accidentally or intentionally chooses it and click "Delete" or "Delete All".
Close	Click "Close" to quit this window.

5.6.2 Event

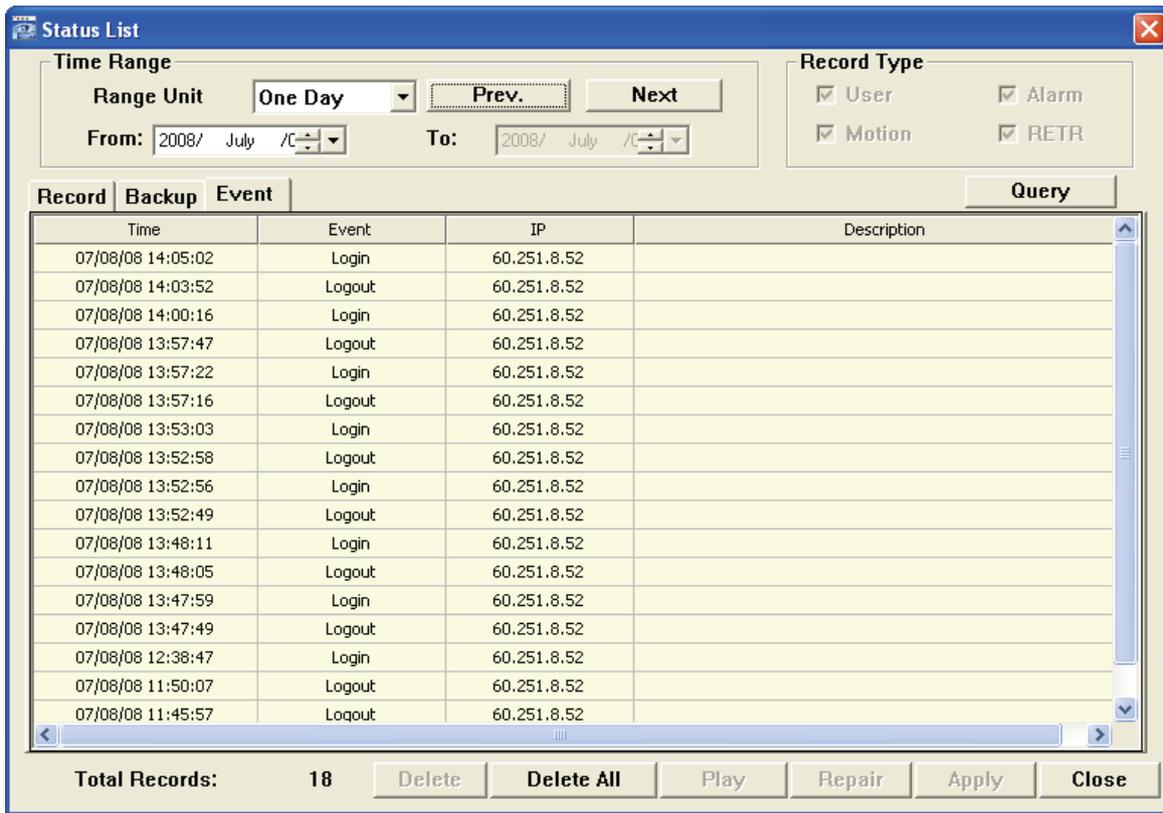
Select “Event” to search for the specific event log(s) by date.



Button / Function	Description
Range Unit	Set different time range unit (One Day / One Week) of the event logs.
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.
Query	When all the search criteria are set, click to search the specified logs. The result will be displayed in the log list, arranged by time from the earliest to the latest.
Delete / Delete All	Click “Delete” to remove the selected log(s), or click “Delete All” to clear the current log list. Tip: To select more logs all at once, press and hold the “Ctrl” key on your keyboard, and click to select the logs you want to remove.
Close	Click “Close” to quit this window.

5.6.3 Backup (For DVR only)

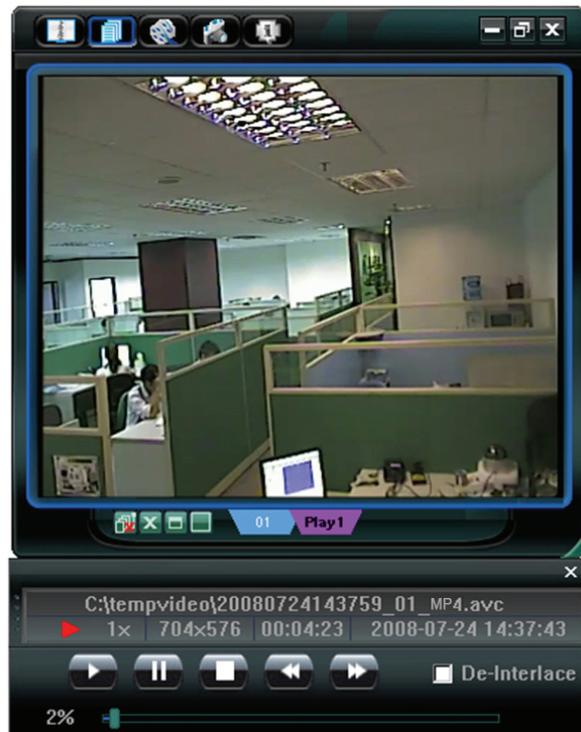
Select “Backup” to search for the specific log(s) by date.



Button / Function	Description
Range Unit	Set different time range unit (One Day / One Week) of the event logs.
Date Selection (From / To)	Choose the specific date range including the event / record logs you might want.
Query	When all the search criteria are set, click to search the specified logs. The result will be displayed in the log list, arranged by time from the earliest to the latest.
Delete / Delete All	Click "Delete" to remove the selected log(s), or click "Delete All" to clear the current log list. Tip: To select more logs all at once, press and hold the "Ctrl" key on your keyboard, and click to select the logs you want to remove.
Play	Click to play the selected download log. The playback panel will be shown for your further operation. For playback details, please see "Playback Screen" on Page 41.
Close	Click "Close" to quit this window.

5.6.4 Playback Screen

When you select and play the recorded data for a specific log, you will immediately go into the playback mode, and the following playback panel appears.



NO.	Function	Description
①	Playback / Download Info Display	This area shows the detailed playback / download information, such as the file name, record date and time, and the speed, etc.
②	Playback Progress Bar	This area shows the playback progress and the progress percentage.
③	Playback Operation	This area is enabled only when the playback is started. ⏮ (Rewind) / ⏭ (Forward) / ⏹ (Stop) / ⏸ (Pause) / ▶ (Play) Rewind / Forward Click once to get 2X fast rewind / forward, twice to get 4X, three times to get 8X, and four times to get 16X the highest.
④	De-Interlace	Click to reduce the vibration of the paused picture.

Chapter 6. IE Web Browser

6.1 Access the Camera from an IE Web Browser

You can view the images or operate your network camera from an IE web browser.

 **Note:**

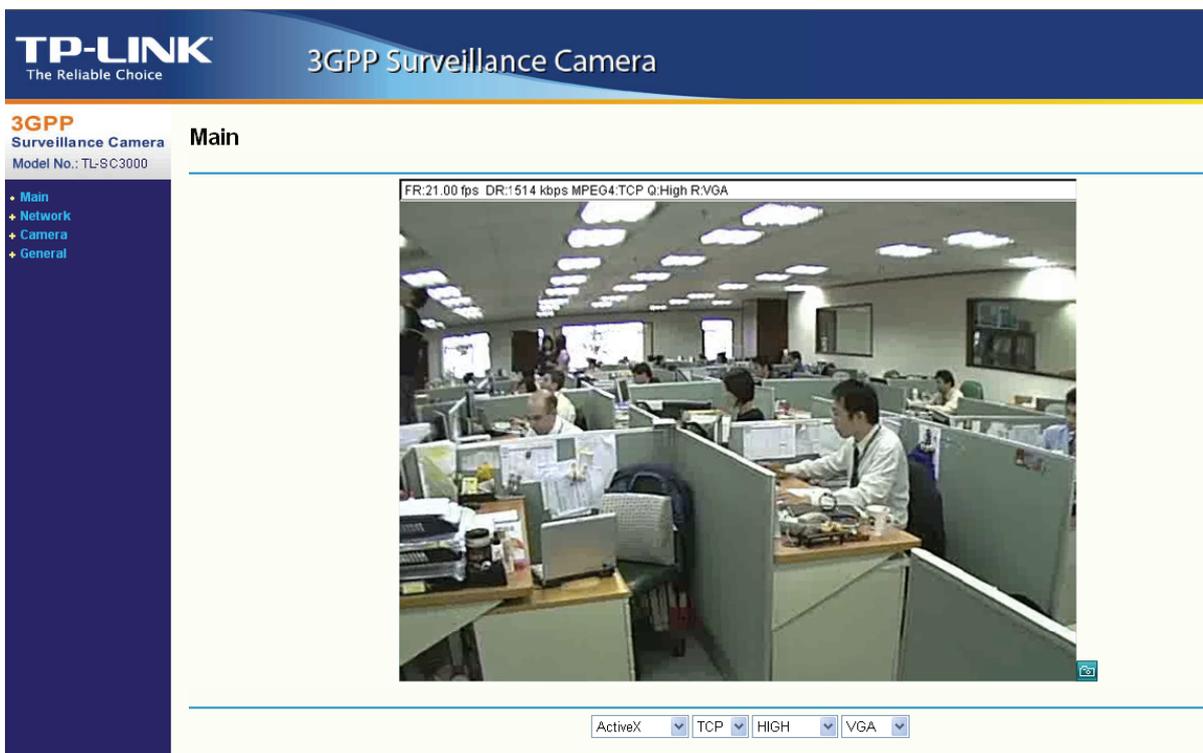
The supported PC operation systems are Windows 2000 and Windows XP.

Step 1: Key in the IP address used by your network camera in the URL address box, such as “http://ipcam.dyndns.org”, and press Enter. You will be prompted to enter the user name and password to access the network camera.

If the port number your network camera used is NOT 80, you need to key in the port number additionally. **The format is “http://ipaddress:portnum”**.

Take dynamic IP type as an example: Host name “ipcam.dyndns.org” / Port number “202”. Key in “http://ipcam.dyndns.org:202” into the URL address box, and press “Enter”.

Step 2: Enter the user name and password, the same as the ones used at the Video Viewer, and press “OK”. You will see a similar screen as the following when the login information is correct.



6.2 Toolbar Display on the IE Web Browser

NO.	Function	Description
1	Main	ActiveX / Quick Time
		TCP / UDP
		BEST / HIGH / NORMAL / LOW
		VGA / QVGA
		According to the type of web browser on your operating system, choose the ActiveX or QuickTime controls.
		Choose the internet transmission protocol: TCP / UDP.
		Choose the image quality: BEST / HIGH / NORMAL / LOW
		Choose the image size: VGA (640 × 480) / QVGA (320 × 240).

NO.	Function	Description	
	Audio On / Audio Off	Choose the audio function: On or Off. (This audio function is only for AVI202 and AVI212 model)	
2	Network	Static IP / DHCP / PPPOE / DDNS	In the "Network" page, you can set the network configuration of the network camera. For details, please refer to "Network" section of the Video Viewer on Page 29.
		SNTP	Set the SNTP (Simple Network Time Protocol) for the time setting. For details, please refer to "SNTP" section of the Video Viewer on Page 27.
		FTP	Assigned a specific FTP site for the motion/alarm notification function. For details, please refer to "FTP" section of the Video Viewer on Page 34.
		MAIL	Assigned a specific email account for the motion/alarm notification function. For details, please refer to "MAIL" section of the Video Viewer on Page 34.
3	Camera	Snapshot Path	Set the location where the snapshot pictures are saved.
		Frame Rate	According to the bandwidth, set the required frame rate (FULL / HALF / ONE THIRD / QUARTER / ONE FIFTH / ONE TENTH / ONE FIFTEENTH). For details, please refer to "Video" section of the Video Viewer on Page 35.
		System Type	Set the system type of the connected network camera (NTSC / PAL).
		Stream Format	Select the stream format of the network transmission (MPEG-4 / Motion JPEG).
		Maximum Exposure Limits	To compensate for the lighting conditions, the maximum exposure time can be adjusted. For details, please refer to "Video" section of the Video Viewer on Page 35.
		Detection	Motion detection is used to generate a motion trigger whenever a movement occurs in the video image. Set the motion detection area. For details, please refer to "Motion Trigger" section of the Video Viewer on Page 22.
		Motion Sensitivity Level	Set different motion sensitivity level according to different application. For details, please refer to "Motion Trigger" section of the Video Viewer on Page 27.
		Color Setting	Adjust the brightness / contrast / hue / saturation for the network camera. For details, please refer to "Color Setting" section of the Video Viewer on Page 19.
5	General	Language	Support English / Chinese language for the web interface.
		Mac Address	Display the MAC address of the network camera. For details, please refer to "General" section of the Video Viewer on Page 24.

NO.	Function		Description
		Log	In the “Log” page, you can see all the logs for the network camera, such as “POWER ON”, “REMOTE LOGIN”, “RESET DEFAULT”, “EMAIL”, “FTP”, “DDNS”, “PPPOE”, “DHCP” and “SNTP UPDATE”...etc. For details, please refer to “Log” section of the Video Viewer on Page 25.
		Account	Add / Edit / Delete the user name, password, user level and life time for accessing the network camera. For details, please refer to Appendix 2 “User Level For Remote Operation” on Page 55.
		Trigger	Set the motion trigger and/or alarm trigger function, such as “Trigger Motion”, “Trigger Alarm” and “Trigger Duration”. Set the motion trigger and/or alarm trigger notification function, such as “Method” and “Record Time”. For details, please refer to “Trigger” section of the Video Viewer on Page 27.
		Configure	Display and upgrade the firmware version of the network camera. For details, please refer to “Tools” section of the Video Viewer on Page 36.
6	Snapshot		Click this button to take a snapshot of the current view. The snapshot will be saved in the path you specified in the “Snapshot Path” of the “Camera” menu from the IE browser.

Chapter 7. QuickTime Player

You can also use the QuickTime player to log into the network camera and check the live view only.

Note:

QuickTime is Apple’s multimedia software. You need to have QuickTime installed in your computer first, and you can access the network camera to see the live view.

Step 1: Go to Apple’s official website to download QuickTime. The website address is as follows:
<http://www.apple.com/quicktime/win.html>

- Click “Download” to go into the download page, and select to download the free player.
- Leave your Email address, and press “Free Download Now” to download the latest QuickTime player.
- When the download is completed, execute the “QuickTimeInstaller.exe” file, and follow the on-screen instructions to finish the installation procedure.

Step 2: Open your QuickTime player. Select “File” → “Open URL”, and key in the URL address. The URL format for MPEG4 IP cameras is “rtsp://ipaddress:port/live/mpeg4”. For example, if the IP address is “tplinkipcam.dyndns.org” and port number is “201”, key in “rtsp://tplinkipcam.dyndns.org:201/live/mpeg4” in the URL box. Click “OK” to continue.



Step 3: A pop-up window will appear and prompt you to enter the authentication information. Key in the user name and password for accessing your network camera. The user name and password are the same as the ones you use to log into the Video Viewer.

If the information is correct, press “OK” to go on. If not, press “Cancel” to quit the accessing.



Step 4: When the login is successful, you will see a similar screen as the following.



Chapter 8. Monitoring via Mobile Device

8.1 Checklist before using

Make sure your PDA or mobile phones conform to the following requirements:

Device	Make sure ...
PDA	The OS is based on WinCE.
	J2ME MIDP2.0 is supported.
	Internet services via WiFi or GPRS / 3G networks are subscribed and available to use. For details, please check with your local network operator or service provider.
GPRS / 3G Mobile Phones	J2ME is supported.
	Internet services via GPRS / 3G networks are subscribed and available to use. For details, please check with your local network operator or service provider.
	The port number of the connected device (such as DVR or network camera) is NOT 80. The suggested port number is 88.

8.2 Installation and Setup

8.2.1 Software download

STEP1: To download the software for mobile surveillance, please visit the following website address from your PDA or mobile phones:

<http://211.22.74.18/>

Note:

- The Internet access setting via WiFi or GPRS / 3G networks varies depending on different PDA or mobile phone brand. For details, please refer to its individual user manual, or check with your local network operator or service provider.
- You might be charged for Internet access via WiFi or GPRS / 3G networks. For the Internet access rate details, please check with your local network operator or service provider.

You will see the following five applications to download:

- GPRS / 3G Software
- EagleEyes (J2ME)
- EagleEyes (J2ME New version)
- EagleEyes (For WinCE)
- EagleEyes (For WinCE New Version)



Note:

Please ignore EagleEyes (J2ME). This one is outdated and not suitable for remote surveillance now.

STEP2: Select the application you need and start downloading.

For TL-SC3000 user, please download EagleEyes(J2ME newVersion) for your GPRS/3G Mobile Phone while EagleEyes(For WinCE New Version) for PDA.

STEP3: Follow the on-screen instructions after downloading.

For mobile phones, the application will save to the location you specified.

For PDA, the application will save to "Programs".

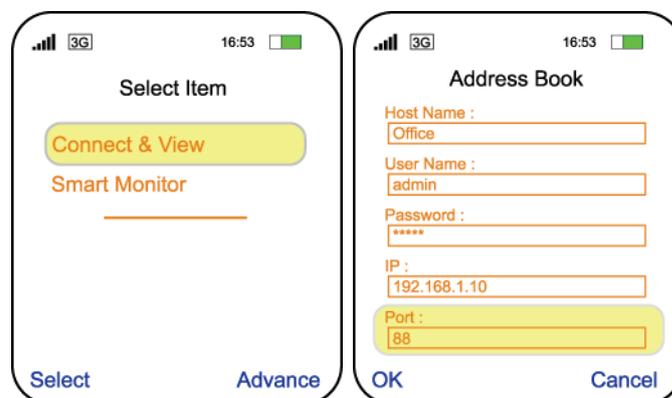
8.2.2 GPRS / 3G Mobile Phone

The setting interface of each mobile phone may vary depending on its individual brand. Therefore, the interface shown below only illustrates the main functions of the application, and is for reference only. For the actual display, please refer to your own mobile phone.

With EagleEyes (J2ME New version) installed

STEP1: Go to the location where you save the application, and you will see the item "EagleEyes".

STEP2: Select "Connect & View" to go to the setting page, similar as follows. Key in the information necessary for DVR or network camera remote access.



Select "Connect & View"

Create New Connection Set

1. Host Name

Give a name for this connection set.

2. User Name

Enter the user name used to access the device you want to connect.

3. Password

Enter the password used to access the device you want to connect.

4. IP

Enter the IP address of the device you want to connect.

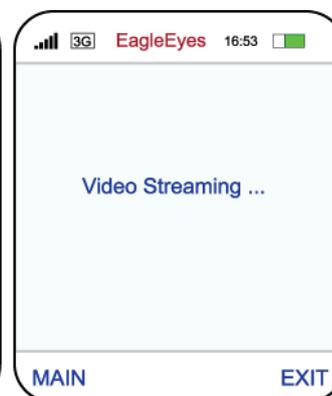
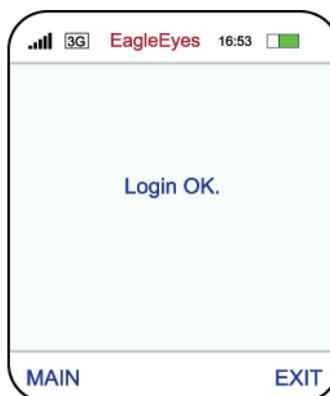
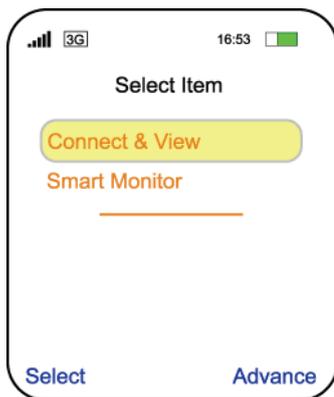
5. Port

Enter the port number used by the device you want to connect.

You can use the port number from 0 ~ 65536 except 80. It's recommended to use 88.

STEP3: Make sure the information above is correct, and confirm the connection set to save the setting, and at the same time, you will return to the previous layer.

STEP4: Select "Connect & View" again, and select the connection set you just created to start connecting to the device you want.

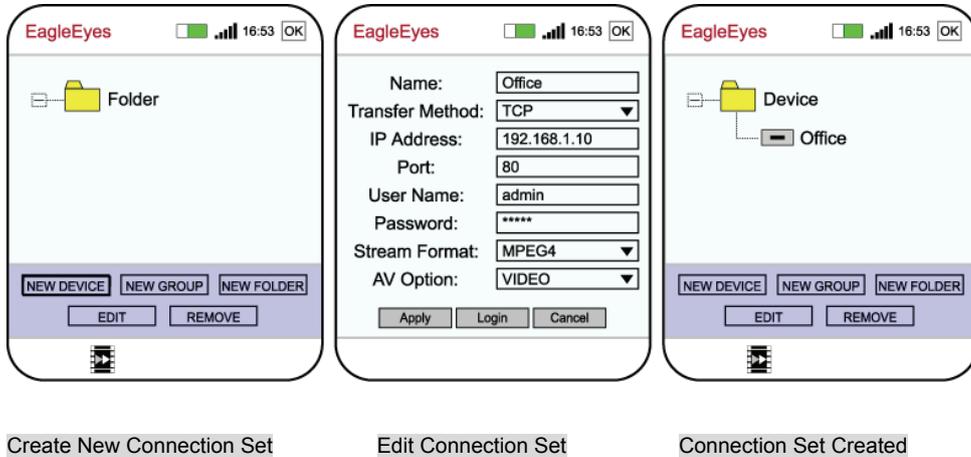
**8.2.3 PDA**

The setting interface of each PDA may vary depending on its individual brand. Therefore, the interface shown below only illustrates the main functions of the application. For the actual display, please refer to your own PDA.

With EagleEyes (For WinCE New version) installed

STEP1: Go to “Programs” → “EagleEyes” to go to the setting page.

STEP2: Click “NEW DEVICE” to add a connection set, and key in the information necessary for DVR or network camera remote access.



1. Name

Give a name for this connection set.

2. Transfer Method

Select TCP or UDP.

3. IP Address

Enter the IP address of the device you want to connect.

4. Port

Enter the port number used by the device you want to connect.

5. User Name

Enter the user name used to access the device you want to connect.

6. Password

Enter the password used to access the device you want to connect.

7. Stream Format

Select MPEG4, JPEG or H.264 (if available).

8. AV Option

Select VIDEO, or VIDEO / AUDIO.

STEP3: Make sure the information above is correct, and confirm the connection set to save the setting, and at the same time, you will return to the previous layer.

STEP4: Select the connection set you just created to start connecting to the device you want.

8.3 Available Functions

When the installation is completed, you can start the remote surveillance via your device now. The functions available are depending on the remote device you have, and the software you installed.

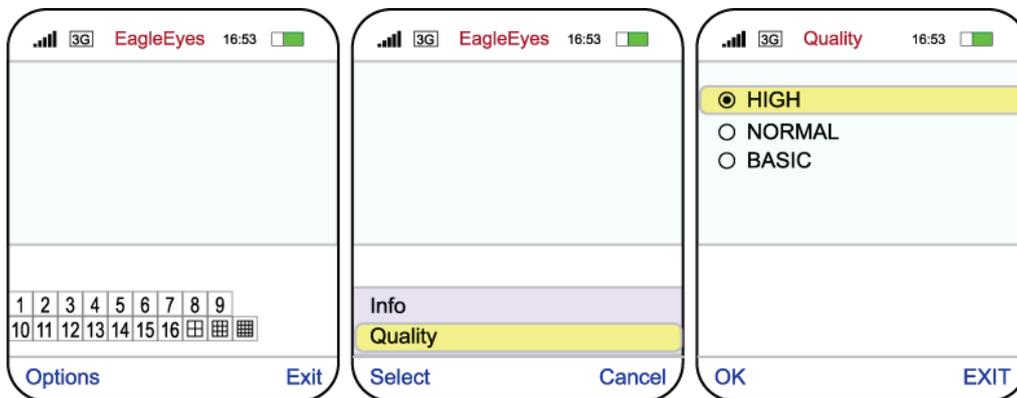
For details, please refer to the following sections.

8.3.1 GPRS / 3G Mobile Phone

With EagleEyes (J2ME New version) installed

DVR Mode

- Single channel switch
- 4-cut / 9-cut / 16-cut display mode switch
- Quality change



DVR Mode - Main Panel

DVR Mode - Quality Select

DVR Mode - Quality Options

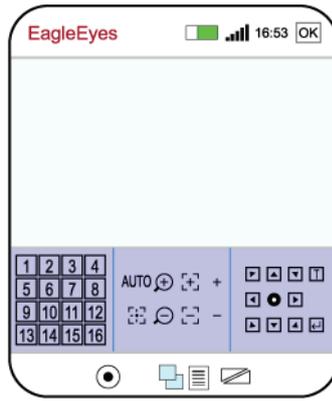
8.3.2 PDA

With EagleEyes (For WinCE New version) installed

- a) DVR Mode
 - Record / playback at the remote site
 - Playback
 - Channel switch
 - Remote independent operation
 - 4-cut / 9-cut / 16-cut display mode switch
 - Quality change
- b) PTZ Mode
 - Record at the remote site
 - Pan / tilt / zoom control
 - Auto pan
 - Auto Tracking
 - Focus near / far
 - Preset point 1~16 selection



DVR Mode



PTZ Mode

Appendix 1 Recording Time Table

The following table lists the recording time table for TL-SC3000 and takes PAL video system image capture as an example. The compression format for TL-SC3000 is MPEG4

Table 1: static state

Resolution	Quality	TL-SC3000	
		Frame Rate	MB/Hrs
VGA	Best	Full	992
		1/2	728
		1/3	552
		1/4	458
		1/5	442
		1/10	232
		1/15	153.2
	High	full	826
		1/2	490
		1/3	364
		1/4	330
		1/5	296
		1/10	163.2
		1/15	128.8
	Normal	full	490
		1/2	278
		1/3	226
		1/4	196.6
		1/5	180.6
		1/10	100.8
		1/15	79.4
	Basic	full	276
		1/2	185.4
		1/3	147.6
1/4		131.8	
1/5		125.2	
1/10		68.2	
1/15		56.8	
QVGA	Best	full	778
		1/2	464
		1/3	352
		1/4	292
		1/5	262
		1/10	134.4
		1/15	78.4
	High	full	522
		1/2	290
		1/3	218
		1/4	187
		1/5	170.2
		1/10	91.4

	Normal	1/15	66.6
		full	288
		1/2	172
		1/3	140.6
		1/4	124
		1/5	111.6
		1/10	63
		1/15	55.4
		Basic	full
	1/2		112
	1/3		91.8
	1/4		80.6
	1/5		83.6
	1/10		49.4
	1/15	36.2	

Appendix 2 User Level For Remote Operation

• For Video Viewer

	Supervisor	Power User	Normal User	Guest
Address Book	•	•	•	•
Emap	•	•	•	•
Miscellaneous Control				
Color Setting	•	X	X	X
Backup	X	X	X	X
Record Setting	•	•	•	•
Server Setting	•	X	X	X
Tools				
* Update	•	X	X	X
* Language	•	•	•	•
Status List	•	•	•	•
Record	•	•	•	•
Snapshot	•	•	•	•
Information	•	•	•	•

• For Web Browser

	Supervisor	Power User	Normal User	Guest
Main				
Connection Mode	•	•	•	•
Protocol	•	•	•	•
Quality	•	•	•	X
Change resolution	•	•	•	X
Network				
DDNS	•	•	X	X
SNTP	•	X	X	X
FTP	•	•	X	X
MAIL	•	•	X	X
Camera				
Color	•	•	X	X
General				
Log	•	X	X	X
Account	•	X	X	X
Trigger	•	•	X	X
Configure	•	X	X	X
Snapshot	•	•	•	•

Appendix 3 Default Value

Default Value

Items	Default Value
Default Network Settings:	
User Name	admin
Password	admin
Port	80
IP Address	192.168.1.10