

1CH VIDEO WEB SERVER

USER MANUAL

Please read instructions thoroughly before operation and retain it for future reference.

IMPORTANT SAFEGUARD



All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

Trademark Acknowledgements

iPhone® is the registered trademark of Apple Inc.

BlackBerry® and related trademarks, names and logos are the property of Research In Motion Limited and are registered and/or used in the U.S. and countries around the world. Used under license from Research In Motion Limited.

Android™ is a trademark of Google Inc. Use of this trademark is subject to Google Permissions.

Microsoft, Windows, Internet Explorer, Mozilla FireFox, Google Chrome, QuickTime, Windows Mobile & Symbian mentioned in this document are the registered trademarks of their respective holders.

Disclaimer

We reserve the right to revise or remove any content in this manual at any time. We do not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this manual. The content of this manual is subject to change without notice.

Trademark Acknowledgements

Internet Explorer, Microsoft, Windows, Mozilla & QuickTime are registered trademarks of the respective holders.

MPEG4 Licensing

THIS PRODUCT IS LICENSED UNDER THE MPEG4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (i) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG4 VISUAL STANDARD ("MPEG-4 VIDEO") AND/OR (ii) DECODING MPEG4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG4 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE [HTTP://WWW.MPEGLA.COM](http://www.mpegla.com).

GPL Licensing



This product contains codes which are developed by Third-Party-Companies and which are subject to the GNU General Public License ("GPL") or the GNU Lesser Public License ("LGPL").

The GPL Code used in this product is released without warranty and is subject to the copyright of the corresponding author.

Further source codes which are subject to the GPL-licenses are available upon request.

We are pleased to provide our modifications to the Linux Kernel, as well as a few new commands, and some tools to get you into the code. The codes are provided on the FTP site, and please download them from the following site or you can refer to your distributor:

http://download.dvrtw.com.tw/GPL/076D_Series/arm-linux-2.6.tar.gz

TABLE OF CONTENTS

| | |
|--|----|
| 1. OVERVIEW..... | 1 |
| 1.1 Product features | 1 |
| 1.2 Package content..... | 1 |
| 1.3 Dimensions..... | 1 |
| 1.4 Product Overview | 1 |
| 2. BEFORE USING YOUR DEVICE | 2 |
| 3. ACCESSING THE CAMERA VIA VIDEO VIEWER..... | 3 |
| 3.1 Installing Video Viewer..... | 3 |
| 3.2 Accessing the camera..... | 3 |
| 3.3 Control panel overview | 4 |
| 3.3.1 Simplified version (Default) | 4 |
| 3.3.2 Full function version | 5 |
| 3.3.3 Main button overview | 5 |
| 3.4 Frequently-used functions..... | 6 |
| 3.4.1 Record..... | 6 |
| 3.4.2 Playback..... | 6 |
| 3.4.3 Firmware upgrade | 7 |
| 3.4.4 E-Map..... | 7 |
| 4. CONFIGURATIONS VIA WEB BROWSER..... | 12 |
| 4.1 Accessing the camera..... | 12 |
| 4.2 Control panel overview | 13 |
| 4.3 Event Record Search & Playback | 14 |
| 4.4 System configuration menu | 15 |
| 4.5 Network | 16 |
| 4.5.1 Network | 16 |
| 4.5.2 QoS | 16 |
| 4.5.3 DDNS | 16 |
| 4.5.4 SNTP | 17 |
| 4.5.5 FTP..... | 17 |
| 4.5.6 MAIL..... | 17 |
| 4.5.7 SMS..... | 18 |
| 4.5.8 Filter | 18 |
| 4.5.9 UPnP / Bonjour..... | 19 |
| 4.5.10 RTP | 20 |
| 4.6 Camera..... | 21 |
| 4.6.1 Camera..... | 21 |
| 4.6.2 Video | 21 |
| 4.6.3 Color..... | 21 |
| 4.6.4 Audio | 22 |
| 4.6.5 Device | 22 |
| 4.7 Record..... | 22 |
| 4.7.1 Record..... | 22 |
| 4.7.2 Record Timer..... | 23 |
| 4.8 Storage | 23 |
| 4.8.1 Memory | 23 |
| 4.9 Trigger | 23 |
| 4.9.1 Trigger | 23 |
| 4.10 General..... | 25 |
| 4.10.1 General..... | 25 |
| 4.10.2 Time..... | 25 |
| 4.10.3 Server Log..... | 26 |
| 4.10.4 Online | 26 |
| 4.10.5 Account..... | 27 |
| 4.10.6 Google Maps..... | 28 |
| 4.10.7 Maintenance..... | 28 |
| APPENDIX 1 PRODUCT SPECIFICATIONS..... | 30 |
| APPENDIX 2 API ID APPLICATION FOR SMS MESSAGING..... | 31 |

1. OVERVIEW

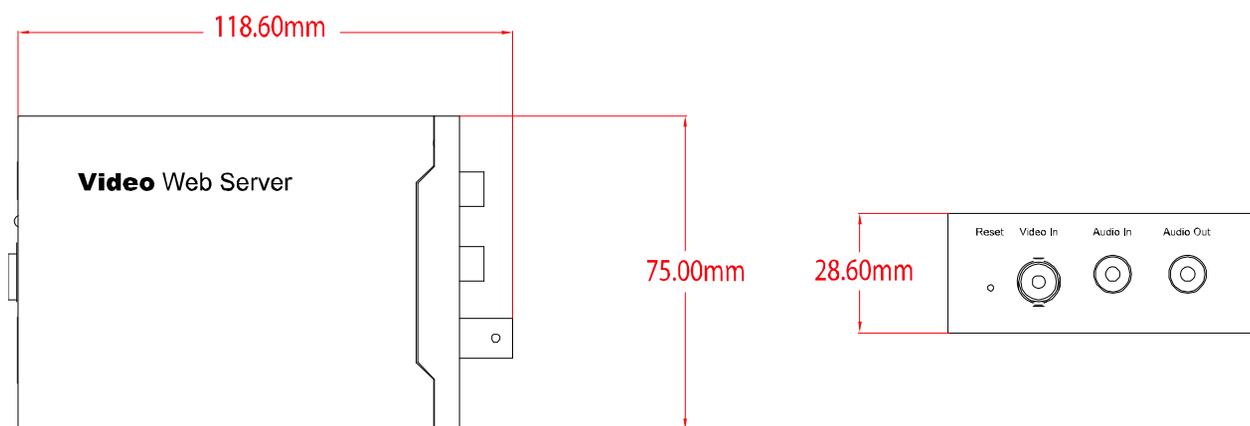
1.1 Product features

- Turn your traditional analog camera into a network camera, and allow users to view live images using a web browser or our CMS software
- Remote configuration and status checking
- Real-time H.264 / MPEG4 / MJPEG compression
- Motion detection and event notification functions
- Free CMS software with E-Map for multiple devices control & surveillance
- ONVIF standard supported to simplify system integration

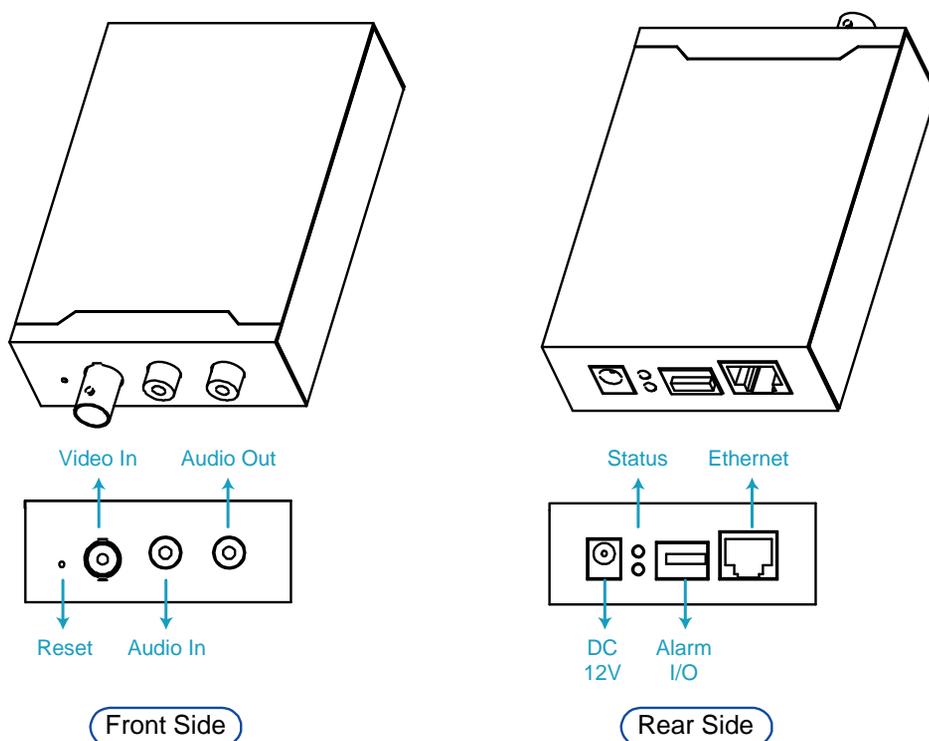
1.2 Package content

- 1CH Video Server
- Installation Guide
- Adapter
- CD-ROM disc (including user manuals & CMS software “Video Viewer”)

1.3 Dimensions



1.4 Product Overview



2. BEFORE USING YOUR DEVICE

This device can be accessed via our supplied CMS software “Video Viewer”, the web browser (such as “Microsoft Internet Explorer” or “Mozilla Firefox”), and smart phones with our self-developed program “EagleEyes” installed depending on different using situations.

Note: For details about accessing devices via smart phones, please refer to <http://www.eagleeyesccv.com>.

Before using the device, make sure:

- 1) You have installed the supplied CMS software, “Video Viewer”, or a web browser.
- 2) You have configured the network settings, and the network connection is fine.

For Video Viewer installation, please refer to “3.1 Installing Video Viewer” at page 3.

For network configurations, please refer to your installation guide.

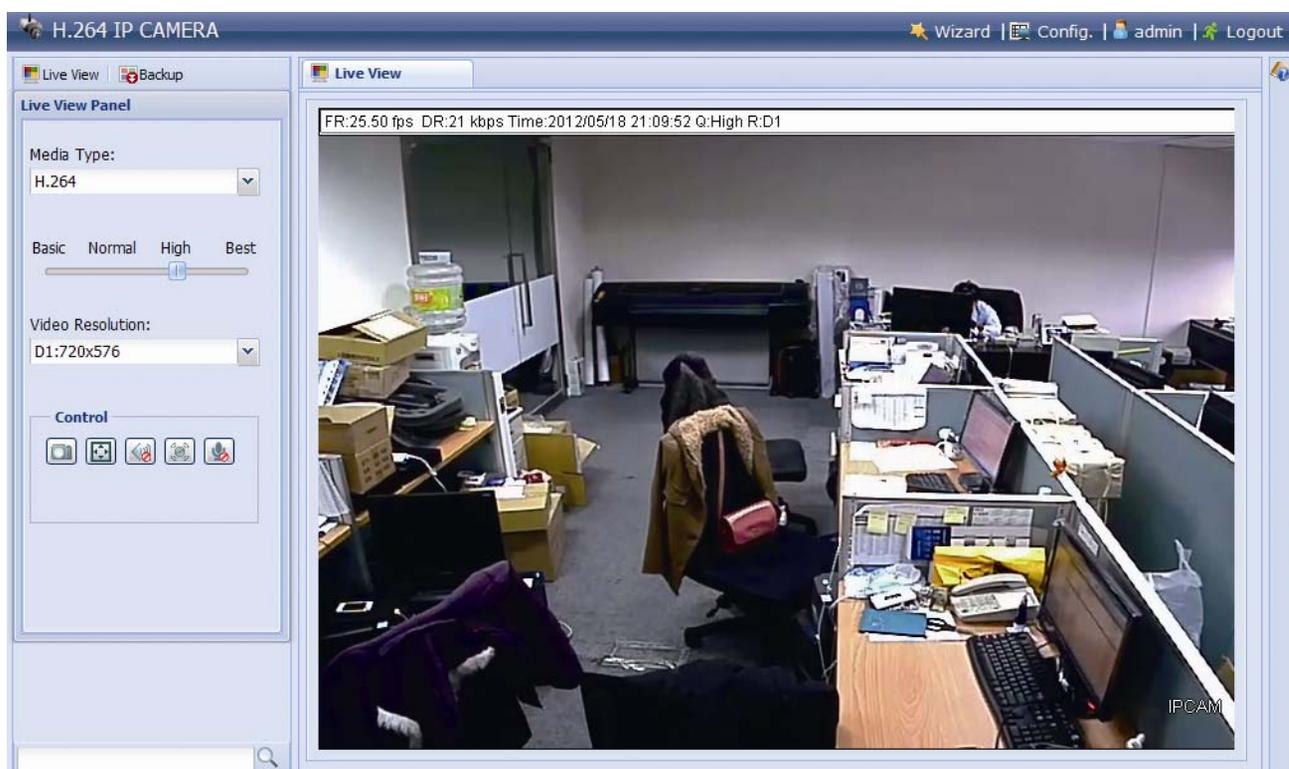
- To check or configure up to 16 surveillance devices simultaneously with the record function, please use “Video Viewer”.

For details about using Video Viewer, please refer to “3. ACCESSING THE CAMERA VIA VIDEO VIEWER” at page 3, and “4. CONFIGURATION” at page 12.



- To check or configure this device only, it's recommended to use the web browser “Microsoft Internet Explorer” or “Mozilla Firefox”.

For details about using the web browser, please refer to “4. CONFIGURATION” at page 12.



3. ACCESSING THE CAMERA VIA VIDEO VIEWER

3.1 Installing Video Viewer

Step1: Place the supplied CD into your CD-ROM or DVD-ROM drive. The program will be automatically run.

Step2: Click “Program” in the “Video Viewer” section to install Video Viewer, or click “Download The Latest Version” under “Program” to download the latest version of Video Viewer from the Internet (if your PC is connected to Internet).



Step3: Follow the on-screen instructions to finish the installation. When the installation is completed, a shortcut icon  will be placed on your PC desktop.

3.2 Accessing the camera

Step1: Double-click  on your PC desktop to open Video Viewer. By default, the “Address Book” panel will be displayed on the right side of the control panel.

Step2: In “Address Book”, click  to key in the IP address, user name, password, and port number of the camera you intend to connect.

OR

Click  →  to search the available IP address(es) of other camera(s) under the same domain as your PC’s IP address. The found address(es) will be listed, and can be added into the address book by clicking .

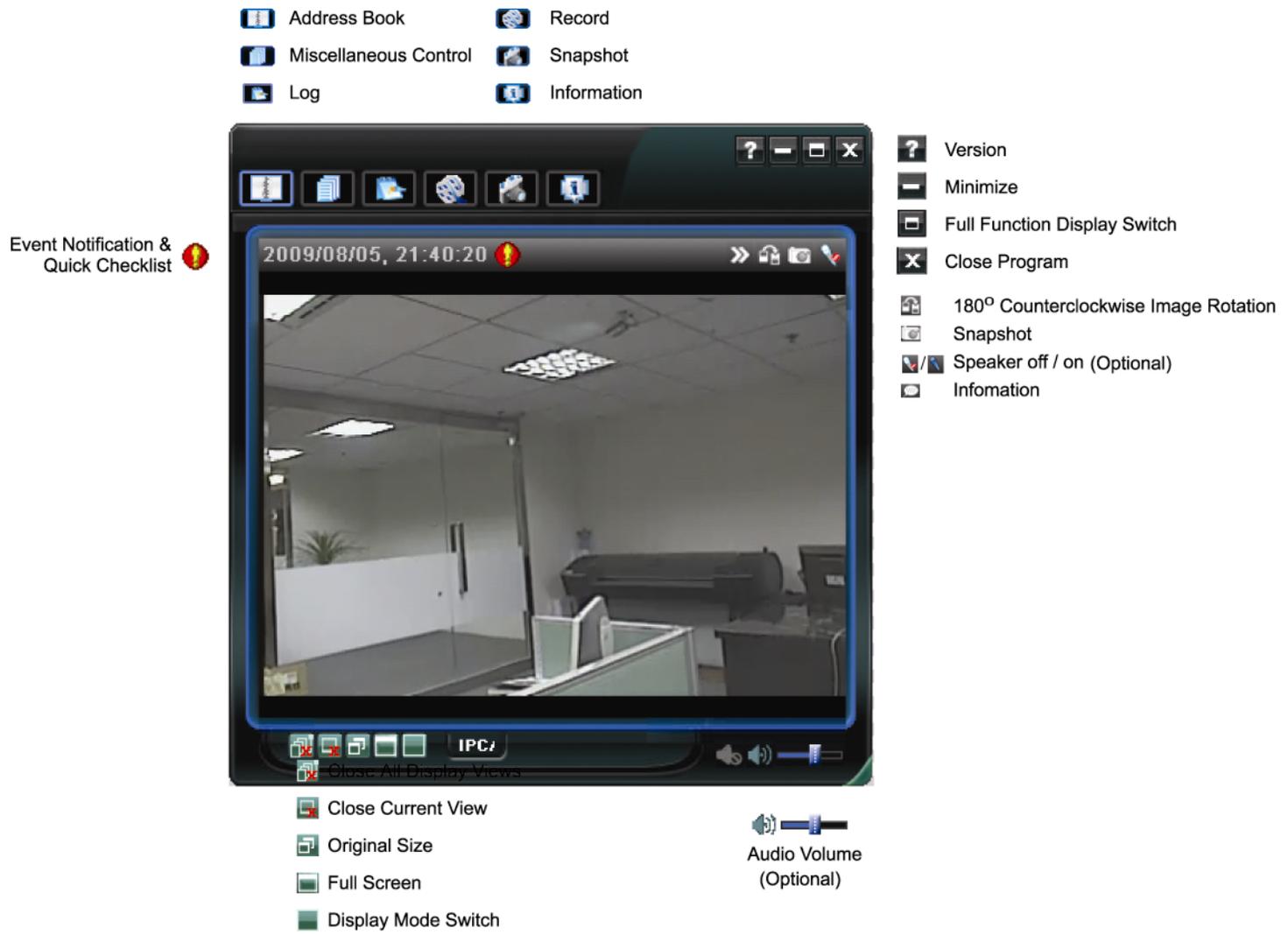
Step3: Double-click the IP address you just added into the address book to log in. The live view is displayed in the Video Viewer.



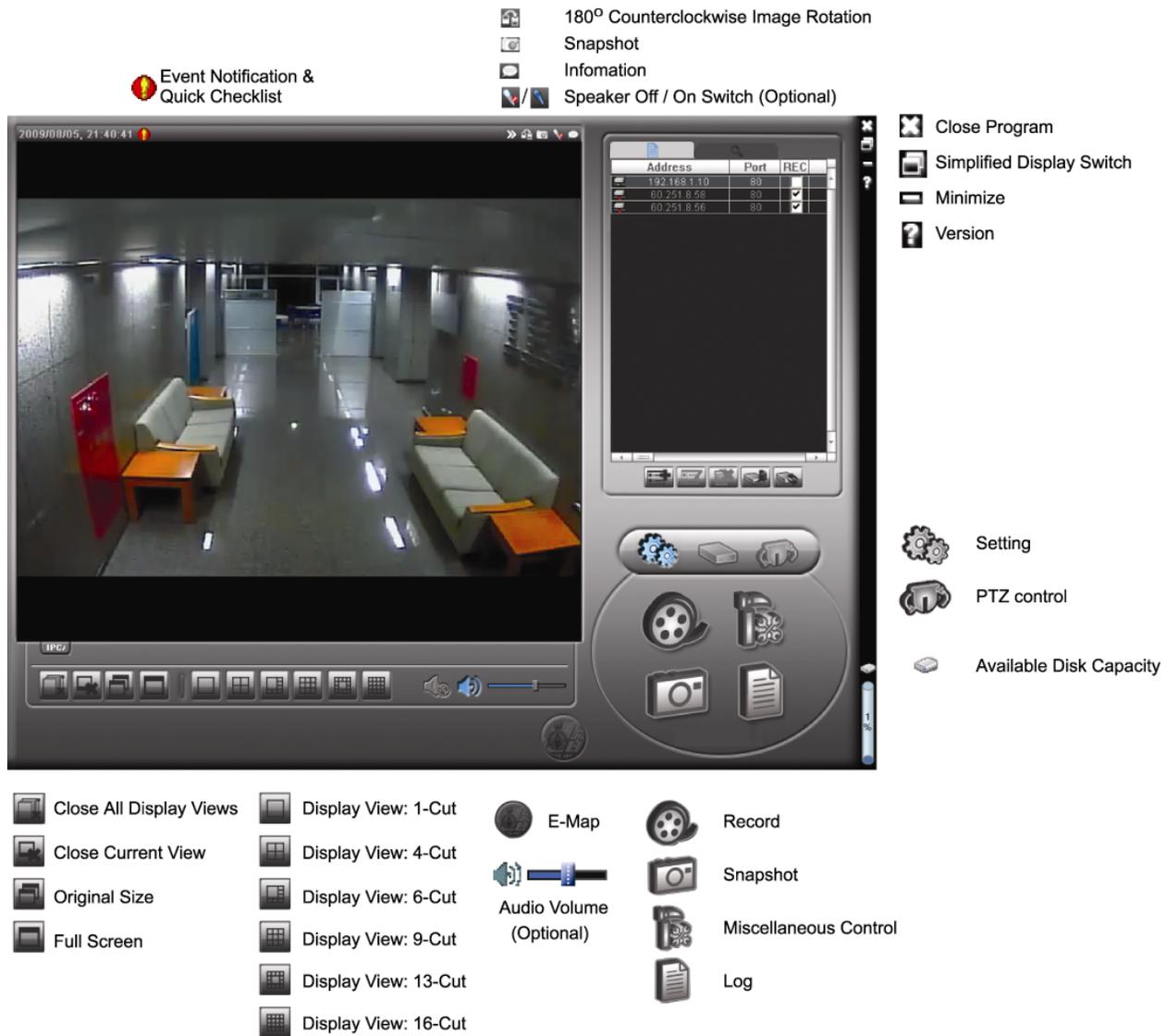
3.3 Control panel overview

Two control panels are available and can be switched depending on your using habit.

3.3.1 Simplified version (Default)



3.3.2 Full function version



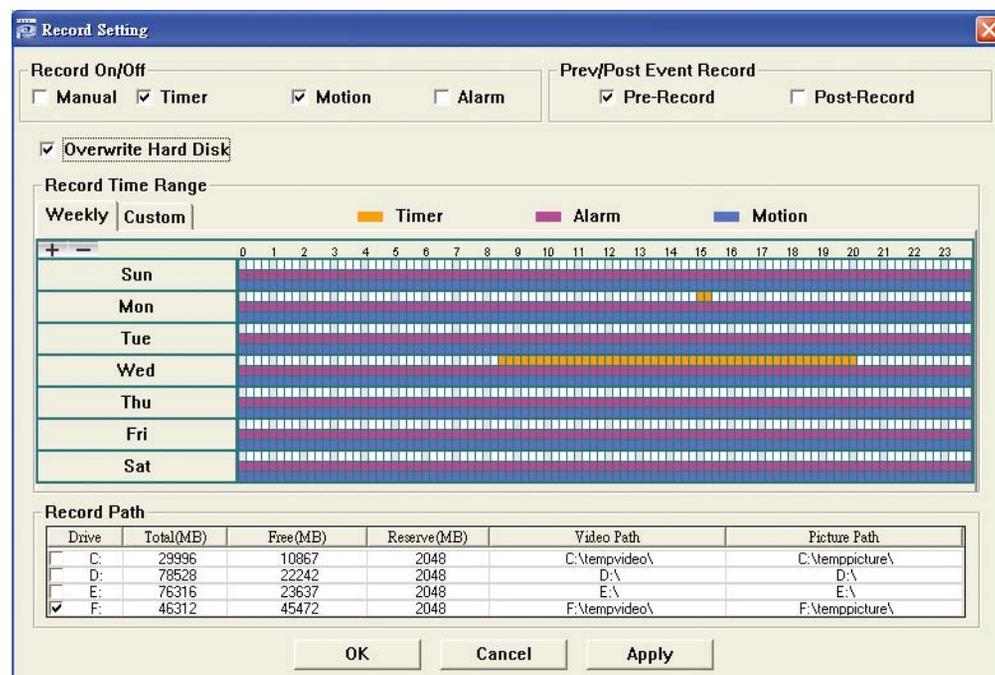
3.3.3 Main button overview

| Button | | Function | Description | |
|------------|---------------|-----------------------|---|--|
| Simplified | Full Function | | | |
| | | Address Book | Click to show the predefined IP address(es). You can add, remove or search the IP address to log in the DVR remotely. | |
| | | Miscellaneous Control | | Remote Config Click to go to the detailed system configuration. For details, please refer to "4. CONFIGURATION" at page 12. |
| | | | | Record Setting Click to go to the detailed record setting. For details, please refer to "3.4.1 Record" at page 6. |
| | | | | Custom Setting Click to choose the language of this program, or set the password when activating this program. The changes will take effect when this program is closed and executed again. |
| | | Log | Click to view all event and recording logs, search the desired log(s) by date, or playback the recording of the selected log. | |
| | | Record / Record Stop | Click to start / stop the manual recording. The record button will be disabled when the reserved disk capacity set in "Record Setting" is larger than the current disk capacity. For details, please refer to "3.4.1 Record" at page 6. | |
| | | Snapshot | Click to take a snapshot of the current view. The snapshot will be saved in the path you specified in "Record Setting". | |
| | | Information | Click to show the current network connection details. | |

3.4 Frequently-used functions

3.4.1 Record

To record remotely, click  or  →  to go to the “Record Setting” page.



In the “Record Setting” page, you can set the following items:

- Record type
- Pre- / post-event record time (0~10 seconds)
- Record time setting
- Record path

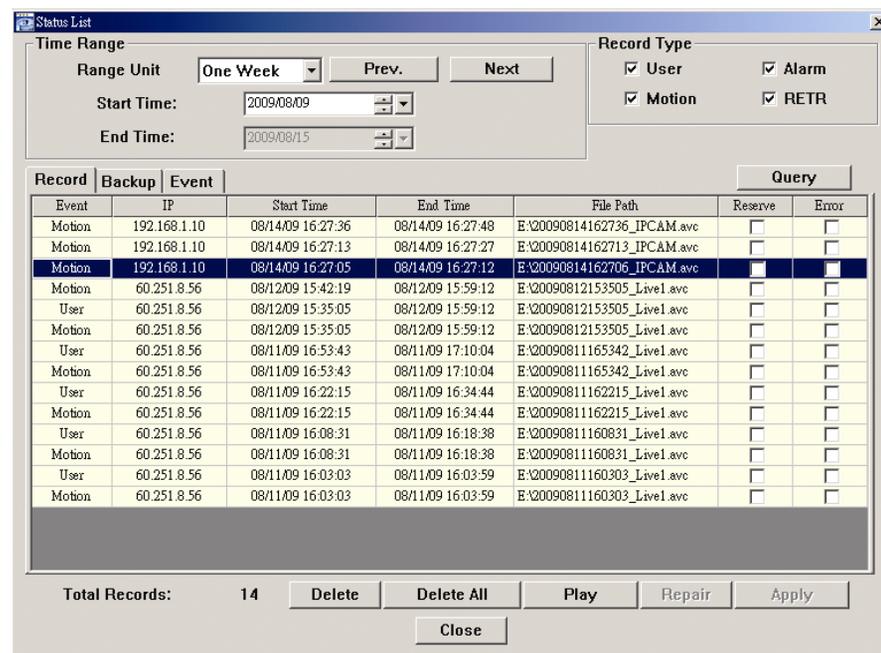
Note: The record function will be disabled when the reserved disk capacity in “Reserved(MB)” is larger than the current disk capacity in “Free(MB)”.

When “Manual” is checked, click  or  on the main control panel to start the manual recording immediately, and the recordings will be saved in the location specified in “Record Path”.

When “Motion” and / or “Alarm” are checked, the recording function will be enabled for any motion or alarm event, and the recordings will be saved in the location specified in “Record Path”.

3.4.2 Playback

To play a recording, click  or , 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.



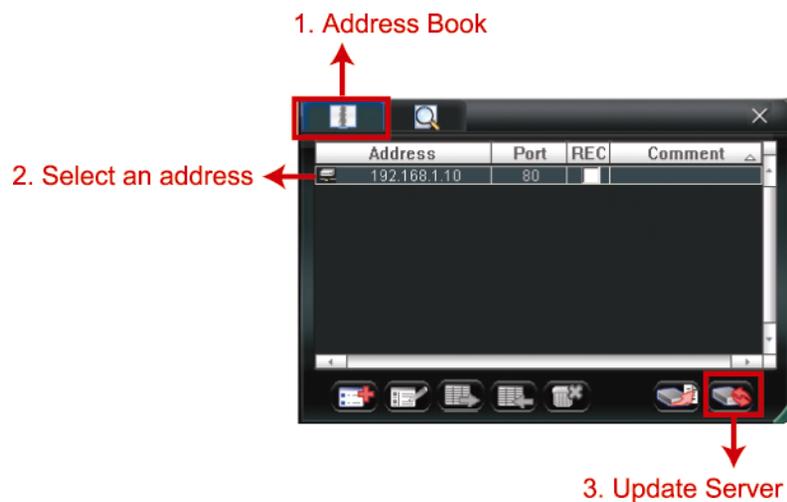
3.4.3 Firmware upgrade

This function is used when users need to upgrade the device for function scalability.

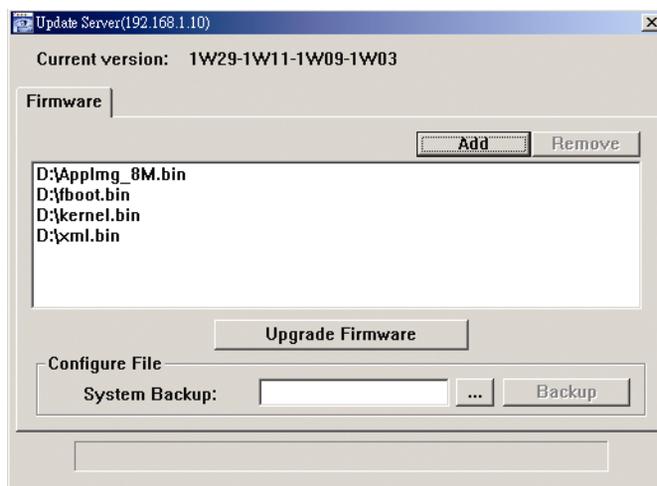
Note: Before using this function, make sure you have the correct upgrade files provided by your installer or distributor.

Step1: Click “”, and select the IP address of your device in the address book.

Step2: Click “” to show the upgrade page, “Update Server”.



Step3: Click “Add” to browse to the upgrade files.



Step4: Click “Upgrade Firmware” to start firmware upgrade.

Note: It takes a few minutes to finish the upgrade process. Do not disconnect the power during firmware upgrade, or the upgrade may be failed. The device will reboot after the upgrade.

Step5: Select the IP address of the device and click “” again to check if the firmware is upgraded.

3.4.4 E-Map

Video Viewer is also a Central Management System (CMS) software, which allows network device control & management for up to 16 devices simultaneously.

Note: Before using this function, make sure Video Viewer is connected to all the devices (up to 16) you want to monitor.

E-Map is **ONLY** available when the control panel is switch to the full function version.

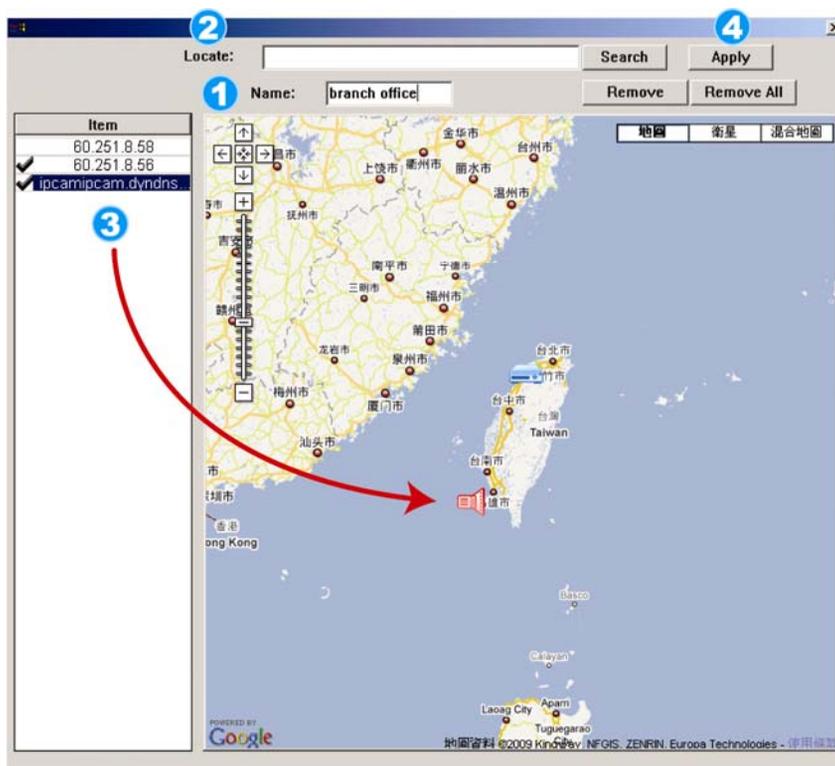
How to add an E-Map group

STEP1: In the simplified version, click “” to switch the control panel to the full function version, and click “” to enter the E-Map page as follows.

Note: To know where the buttons are, please refer to “3.3.1 Simplified version (Default) at page 4, and “3.3.2 Full function version” at page 5.

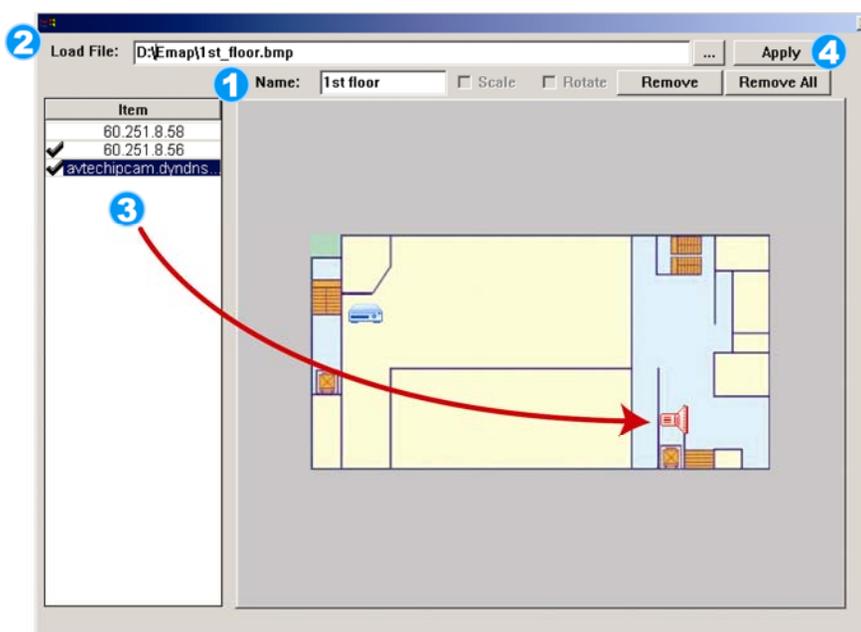


STEP2: Right-click to show the shortcut menu on the top-left panel, and select the E-Map group you want to add. There are three E-Map groups you can add: Google E-MAP, Single E-MAP, and Building E-MAP.



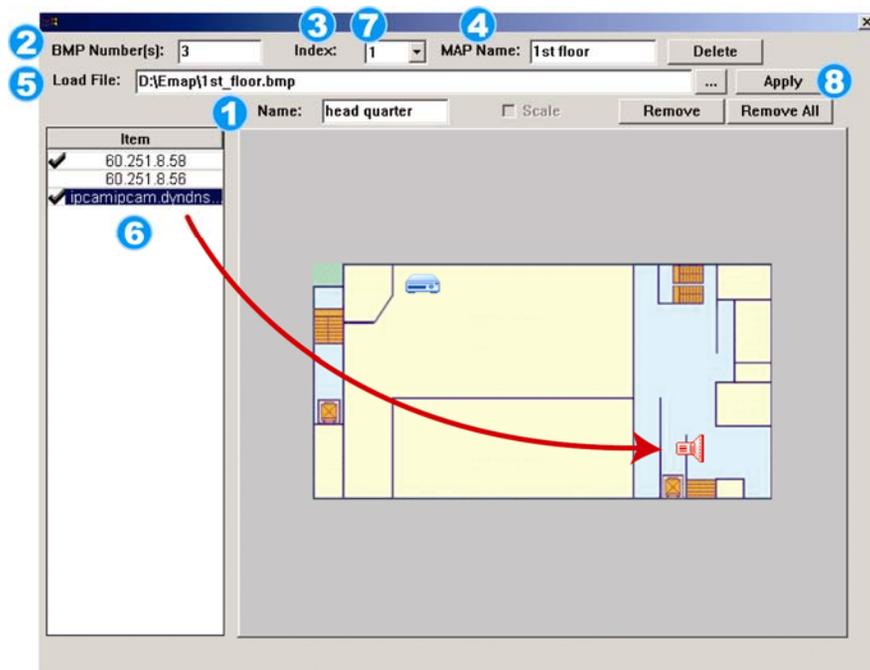
How to add a Google E-Map group:

- 1 Enter the name of this Google E-Map group.
- 2 Enter a specific address or landmark, and click "Search".
OR
Move to the map and drag to the location you want.
- 3 Click and drag the IP address to where it's located in the current level.
- 4 Click "Apply" to save and finish.



How to add a single E-Map group:

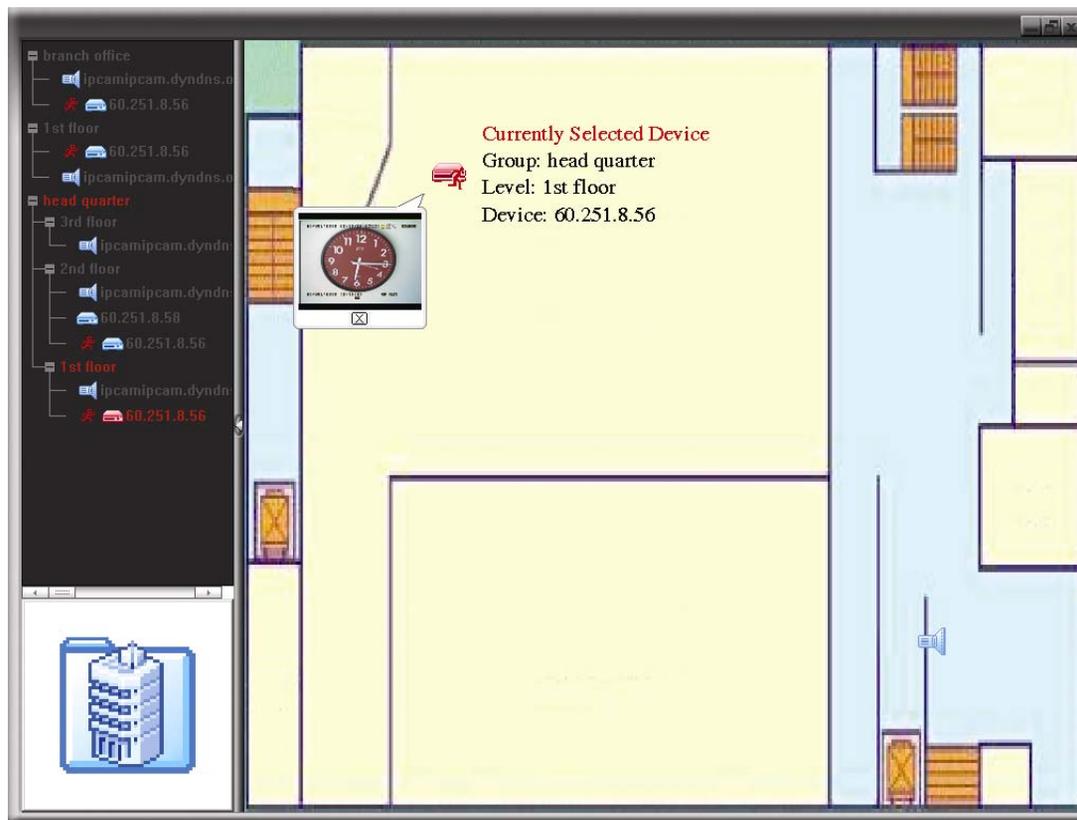
- 1 Enter the name of this single E-Map group.
- 2 Click "..." to browse the map file in BMP or JPEG.
- 3 Click and drag the IP address to where it's located in the current level.
- 4 Click "Apply" to save and finish.



How to add a building E-Map group:

- 1 Enter the name of this building E-Map group.
- 2 Enter the total levels of this building.
- 3 Select the level of the building from the drop-down list.
- 4 Enter the name of the level.
- 5 Click “...” to browse the map file in BMP or JPEG.
- 6 Click and drag the IP address to where it's located in the current level.
- 7 Go back to STEP 3 to select other level of the building, and repeat from STEP 3 to 6 until the setup for all levels are finished.
- 8 Click “Apply” to save and finish.

STEP3: When the E-Map group is created, you will see the tree on the top-left panel, showing all the devices you've added to this group.



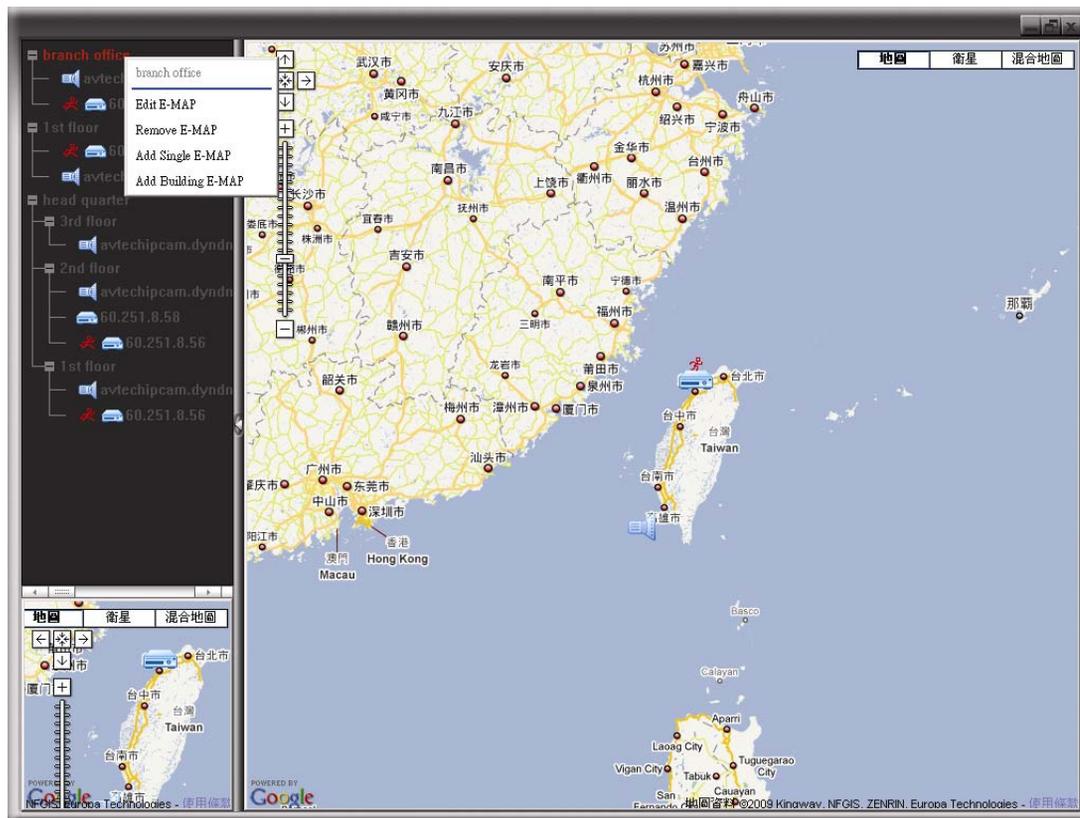
| Icon | Description |
|---|--|
|  | The connected device is camera. When it's selected, it will become red. |
|  | The connected device is DVR. When it's selected, it will become red. |
|  | For any motion or alarm event, it will appear on the screen to catch your attention. To know what's happening quickly, double-click the device icon on the E-Map to show the live view. |

How to edit / remove an existing E-Map group

➤ For Google E-Map Group

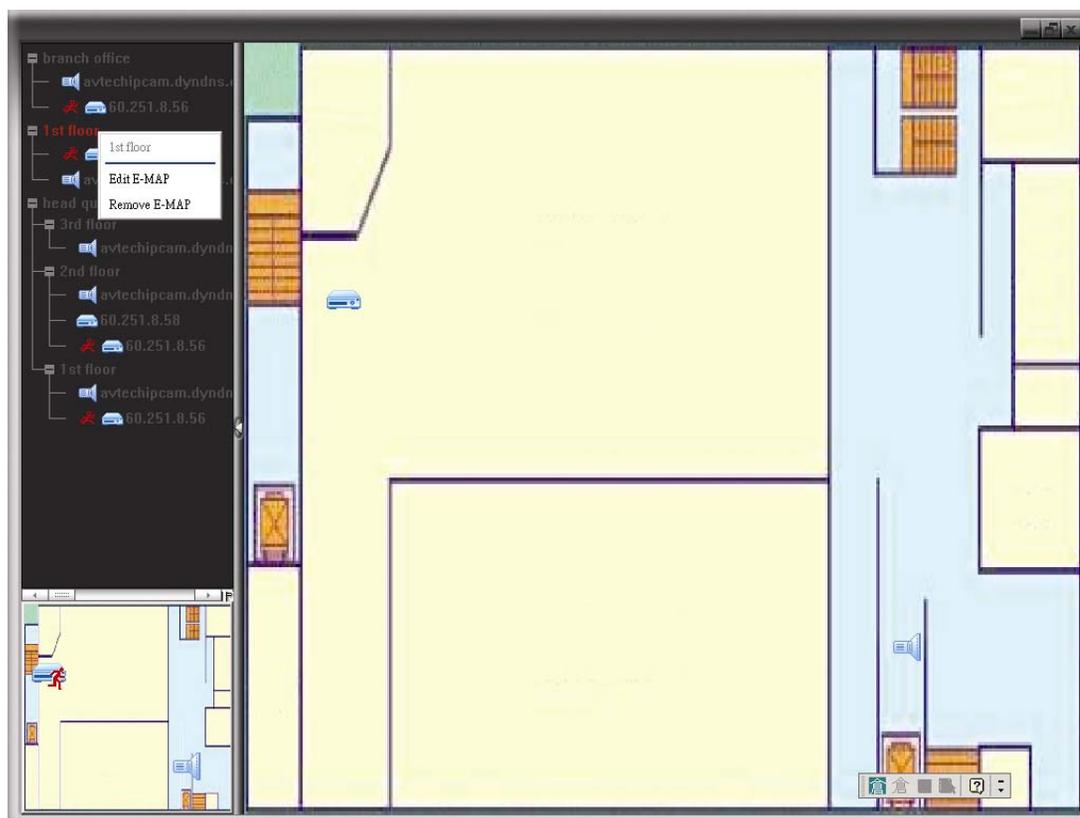
Right-click on the group name to show the shortcut menu list, and select “Edit E-MAP” or “Remove E-MAP” as needed.

You can also add a single E-Map group (Add Single E-MAP) or Building E-Map group (Add Building E-MAP) into the existing Google E-Map group.



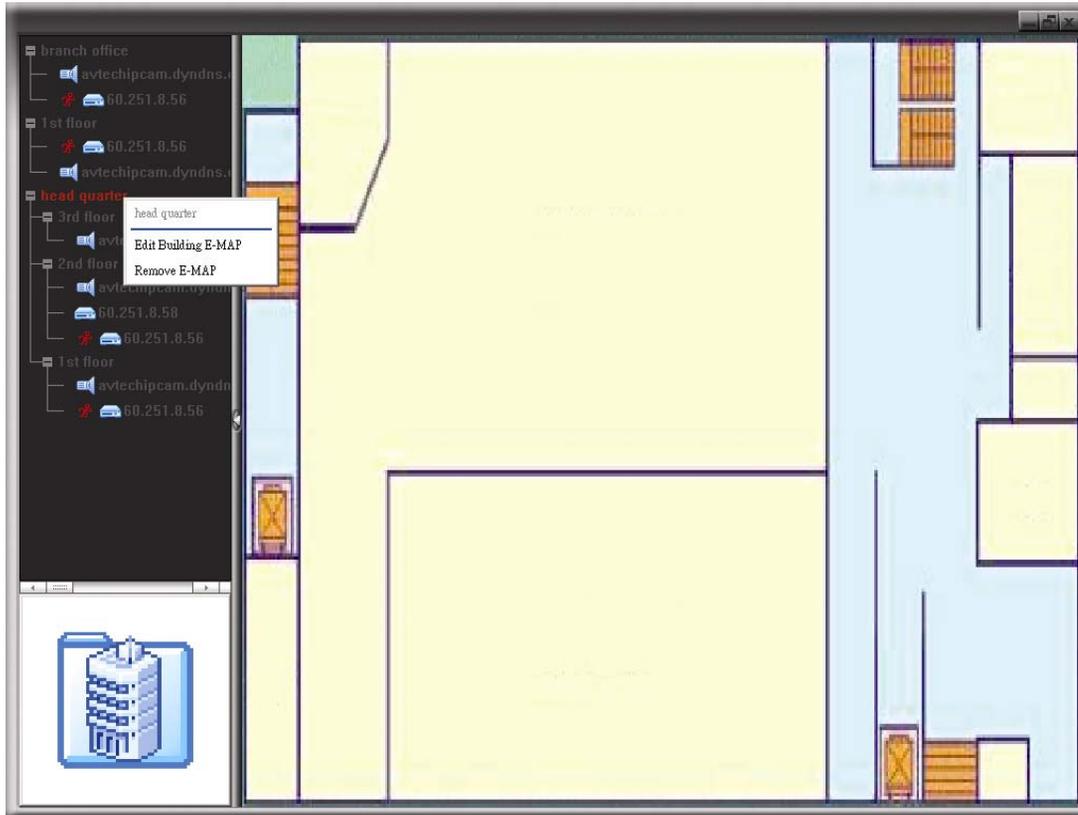
➤ For Single E-Map Group

Right-click on the group name to show the shortcut menu list, and select “Edit E-MAP” or “Remove E-MAP” as needed.



➤ For Building E-Map Group

Right-click on the group name to show the shortcut menu list, and select “Edit Building E-MAP” or “Remove E-MAP” as needed.



4. CONFIGURATIONS VIA WEB BROWSER

Users can also access the camera connected to this device via a web browser, such as Microsoft Internet Explorer, Mozilla Firefox, Google Chrome and Safari.

Note: It's recommended to consult with your installer before changing system configurations.

Note: You need to be the supervisor to enter the system configuration page. If not, please re-log into the camera with the supervisor user level.

However, the web browser is only available for single device access. If users want to access more than two devices through one interface, it's recommended to use our supplied CMS software, Video Viewer. For details, please refer to "3. ACCESSING THE CAMERA VIA VIDEO VIEWER" at page 3.

Before using the device, make sure you have configured the network settings and have the IP address, user name and password used for accessing the camera in hand. If not, please refer to the installation guide.

4.1 Accessing the camera

Step1: Open your web browser, and key in <http://ipaddress:portnum> in the URL address box.

For example, for IP address 60.121.46.236 and port No. 888, please key in "<http://60.121.46.236:888>" into the URL address box, and press "Enter".

Step2: In the login page, key in the user name and password, and enter the security code from the image below if any. Then, click "LOGIN".

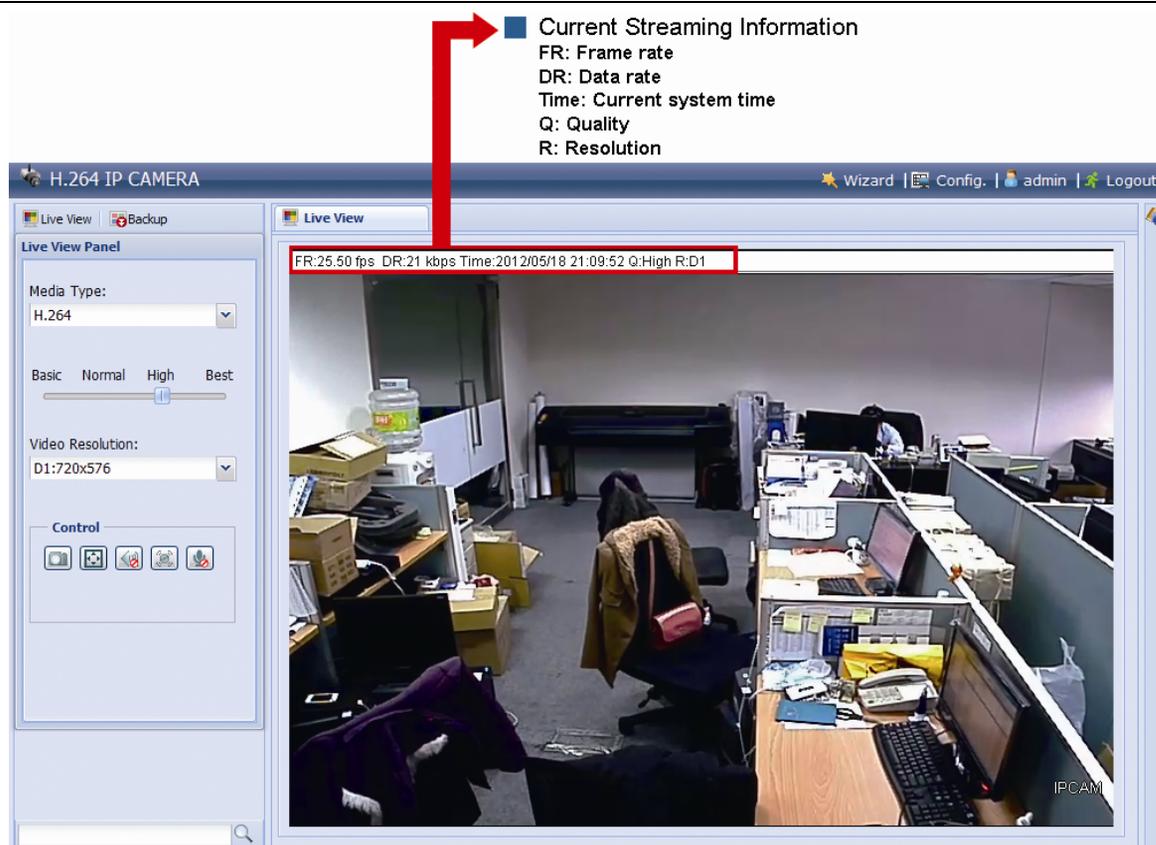
Step3: The wizard is then started.

- To skip the wizard and directly access the camera live view, click "Close".
- To directly access the camera live view without starting the wizard for the login next time, check "Do not start wizard at login".

Step4: When the login is successful, the live view is shown.

4.2 Control panel overview

Note: The buttons available depend on the web browser you're using, and the user level used to log in.

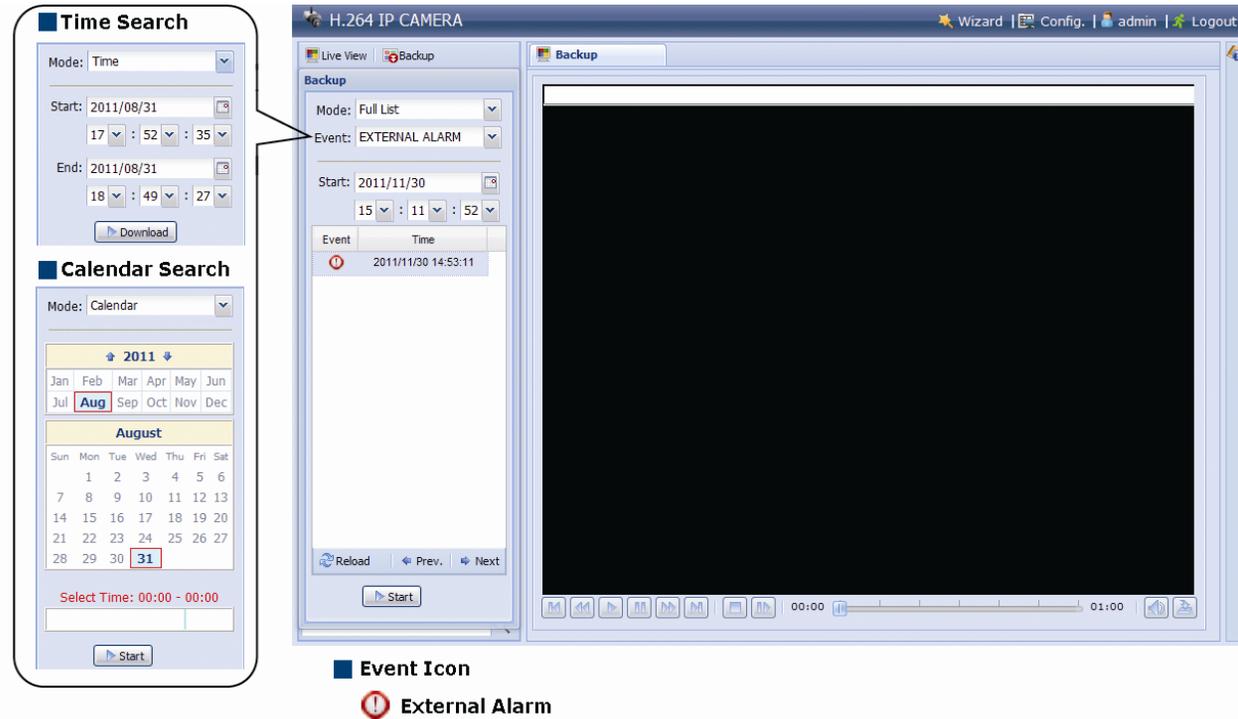


| Function | Icon | User Level | Description |
|------------------|------|---|---|
| Live | | Supervisor / Power User / Normal User / Guest | Switch to the live view page. |
| Backup | | Supervisor / Power User | Enter the event record list for video playback. For details, please refer to "4.3 Event Record Search & Playback" at page 14. |
| Config. | | Supervisor | Switch to the system configuration page For details, please refer to "4.4 System configuration menu" at page 15. |
| Media Type | -- | Supervisor / Power User / Normal User / Guest | Select the web transmission format from the drop-down list: <ul style="list-style-type: none"> ■ H.264 / MPEG-4 / Motion JPEG ■ QuickTime QuickTime is Apple Inc.'s multimedia software. You need to have QuickTime installed in your operating system before selecting "QuickTime". When it is selected, you will be promoted to enter the user name and password to access the camera. ■ VLC |
| Video Quality | -- | Supervisor / Power User / Normal | Click & drag the slider to select the video quality: BASIC / NORMAL / HIGH / BEST. |
| Video Resolution | -- | Supervisor / Power User / Normal | Select the video resolution from the drop list: D1 / CIF. |
| Snapshot | | Supervisor / Power User / Normal User | Click to take a snapshot of the current view, and save to the location specified in "Configuration" → "Camera" → "Camera" → "Snapshot Path". |
| Full Screen | | Supervisor / Power User / Normal User | When "D1" is selected, click to display the image in full screen. To exit the full screen mode, press "Esc" on your keyboard. |
| Double Size | | Supervisor / Power User / Normal User | When "CIF" is selected, click to enlarge the CIF size to D1 size. |
| Audio On / Off | | Supervisor / Power User / Normal User | Click to switch the audio on / off. |
| Alarm Out | | Supervisor / Power User / Normal User | Click to force your alarm device to work, and the icon will turn to red. For example, when your alarm device is a buzzer, click this button and your buzzer will start to sound even if there's no alarm event. <i>Note: Before using this function, make sure your alarm device is connected properly to this camera and also configured well in "Config." → "Trigger" → "Trigger".</i> |
| Speaker On / Off | | Supervisor | Click to switch the speaker on / off when a speaker is connected to the audio output of this device. |

4.3 Event Record Search & Playback

This camera can only save up to three alarm recordings.

Note: To save more recorded data, it's recommended to use this device with the compatible NVR.



| | | |
|---|----------------------|---|
|  | Previous / Next Hour | Click to jump to the next / previous time interval in an hour, for example, 11:00 ~ 12:00 or 14:00 ~ 15:00, and start playing the earliest event video clip recorded during this whole hour. |
|  | Fast Forward | Increase the speed for fast forward. Click to get 2X, 4X, 8X & 16X speed forward eventually. |
|  | Fast Rewind | Increase the speed for fast rewind. Click to get 2X, 4X, 8X & 16X speed rewind eventually. |
|  | Play | Click to play the current video clip. |
|  | Pause | Click to pause the video playback. |
|  | Stop | Click to stop the video playback. |
|  | Step | In the pause mode, click to get one frame forward. |
|  | Audio | Click to mute the playback if necessary, and click again to restore. |
|  | Download | Click to download the current video clip to the specified path in your PC. <i>The downloaded video can only be opened by our own video player. Please go to "General" → "Maintenance" to download the video player, or get the player from the CD supplied with the sales package.</i> |

4.4 System configuration menu

Click “Config.” to enter the configuration page.

The functions are categorized into six menus: Network, Camera, Record Timer, Storage, Trigger and General.

- For details about “Network”, please refer to “4.5 Network” at page 16.
- For details about “Camera”, please refer to “4.6 Camera” at page 21.
- For details about “Record”, please refer to “4.7 Record” at page 22.
- For details about “Storage”, please refer to “4.8 Storage” at page 23.
- For details about “Trigger”, please refer to “4.9 Trigger” at page 23.
- For details about “General”, please refer to “4.10 General” at page 25.

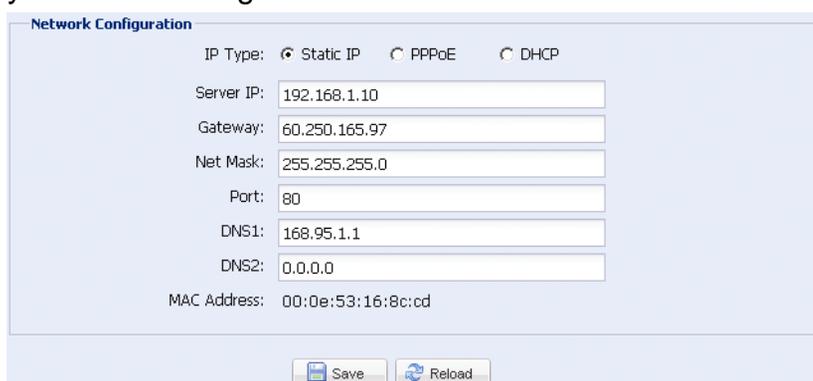
| Main Menu | Sub-Menu | Reference |
|-----------|--------------|--|
| Network | Network | Configure network settings. |
| | QoS | Limit the data flow for live streaming. |
| | DDNS | Enter DDNS information when the network type is PPPOE or DHCP. |
| | SNTP | Synchronize your camera time with the networked computer systems. |
| | FTP | Enter the FTP information for event notifications when “FTP” is chosen in “Trigger” → “Trigger”. |
| | Mail | Enter Email information for event notifications when “Email” is chosen in “ Trigger ” → “Trigger”. |
| | SMS | Enter text messaging information for SMS notifications when “SMS” is chosen in “ Trigger ” → “Trigger”. |
| | Filter | Choose to permit or block the IP address(es) which can access this camera. |
| | UpnP | <i>*Suitable for Windows-based operating system.</i> 1. Allow this camera to be detected among devices within the same network area for easy and quick usage. 2. Configure port mapping. |
| | Bonjour | <i>*Suitable for Apple Mac-based operating system.</i> Allow this camera to be detected among devices within the same network area for easy and quick usage. |
| Camera | Camera | 1. Rename the camera. 2. Change the place where the camera name is shown on the screen. |
| | Video | Adjust video-related settings in different video format. |
| | Color | Adjust the color performance. |
| | Time | Set daylight saving time and the current time. |
| | Device | Set the camera type to “PTZ” if the connected camera is a PTZ camera. |
| Record | Record | Configure the record function. |
| | Record Timer | Schedule external alarm recording. |

| Main Menu | Sub-Menu | Reference |
|-----------|-------------|--|
| Storage | Memory | Check the current storage capacity and clear all recorded data when needed. |
| Trigger | Trigger | <ol style="list-style-type: none"> 1. Enable / disable motion and alarm detection. 2. Set the motion detection area. 3. Configure how the camera reacts for any event. |
| General | General | <ol style="list-style-type: none"> 1. Select the language of the web browser. 2. Check the MAC address of the camera. 3. Lock camera access after the specified time. |
| | Time | Set daylight saving time and the current time. |
| | Server Log | Check the system event logs. |
| | Online | Check the current online user(s). |
| | Account | <ol style="list-style-type: none"> 1. Create a new user account with different access privilege. 2. Modify or delete an existing user account. |
| | Google Maps | Allow you to know where the network camera is. |
| | Maintenance | <ol style="list-style-type: none"> 1. Check the current firmware version and upgrade your camera. 2. Copy system configurations. 3. Reboot the camera. 4. Download the video player to play the recorded data. |

4.5 Network

4.5.1 Network

You can set the network configuration of the device depending on your network type. For details, please refer to your installation guide.



The screenshot shows the 'Network Configuration' page. It features radio buttons for 'Static IP' (selected), 'PPPoE', and 'DHCP'. Below these are input fields for 'Server IP' (192.168.1.10), 'Gateway' (60.250.165.97), 'Net Mask' (255.255.255.0), 'Port' (80), 'DNS1' (168.95.1.1), and 'DNS2' (0.0.0.0). A 'MAC Address' field shows '00:0e:53:16:8c:cd'. At the bottom, there are 'Save' and 'Reload' buttons.

4.5.2 QoS

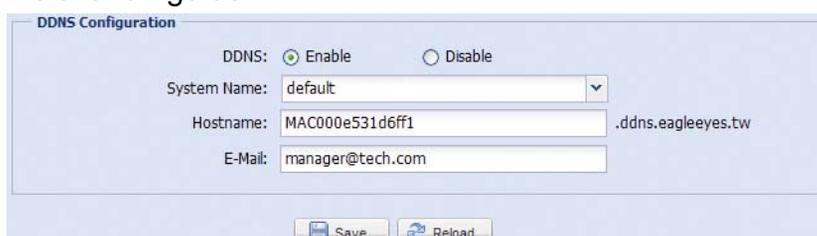
QoS, Quality of Service, is the ability to control the data flow for real-time streaming. This function is important if your network bandwidth is insufficient and you have other devices to share the network bandwidth. Check "QoS Enable", and set the max. upload rate from 256 to 10240 kbps.



The screenshot shows the 'QoS Configuration' page. It has radio buttons for 'QoS: Enable' (selected) and 'Disable'. There is a dropdown menu for 'Interface' set to 'Ethernet' and a text input for 'Max. Upload Rate' set to '4096' kbps. 'Save' and 'Reload' buttons are at the bottom.

4.5.3 DDNS

Select "On" when the selected network type in "Network" is "PPPOE" or "DHCP". For details, please refer to the installation guide.



The screenshot shows the 'DDNS Configuration' page. It has radio buttons for 'DDNS: Enable' (selected) and 'Disable'. There are input fields for 'System Name' (default), 'Hostname' (MAC000e531d6ff1), and 'E-Mail' (manager@tech.com). A suffix '.ddns.eagleeyes.tw' is shown next to the hostname field. 'Save' and 'Reload' buttons are at the bottom.

4.5.4 SNTP

SNTP (Simple Network Time Protocol) is used to synchronize your camera time with the networked computer systems.

| Function | Description |
|--------------|--|
| GMT | Once users choose the time zone, the device will adjust the local area time of the system automatically. |
| NTP Server | Simply use the default SNTP server (For example, tock.stdtime.gov.tw) or change to another server with which users are familiar. |
| Sync. Period | Select "Daily" to synchronize the camera time with the network time every day or "None" to turn off this function. |
| Server Time | Click and the device will synchronize the time with the network time. |

4.5.5 FTP

Enter the detailed FTP information and click "Save" to confirm. The information you set here will be applied when "FTP" is selected in "General" → "Trigger".

4.5.6 MAIL

Enter the detailed e-mail information and click "Save" to confirm. The information you set here will be applied when "Email" is selected in "General" → "Trigger".

| Function | Description |
|---------------------|--|
| SMTP Server | Enter the SMTP server address provided from your e-mail system supplier. |
| Port | Enter the port number provided from your e-mail system supplier. If this column is left blank, the e-mail server will use port 25 to send e-mails. |
| Mail From | Enter the entire mail address to ensure e-mails will not be blocked by SMTP. |
| SSL Encryption | Select "Yes" if your e-mail server is using SSL encryption to protect your e-mail content from unauthorized access. |
| Verify Password | Some mail servers are required to verify the password. Please enter the "user name" and "password". |
| E-Mail Address List | Add the e-mail address(s) of the assigned recipient(s). |

| Function | Description |
|----------|--|
| Test | When all information is entered, click "Test Mail" to try if the recipe. |

4.5.7 SMS

Note: Before using this function, you need to apply an API ID from the mobile messaging company, Clickatell, and you will be charged starting from the 11th message. For details, please refer to "APPENDIX 2 API ID APPLICATION FOR SMS MESSAGING" at page 31.

Enter the detailed information needed for text messaging, and click "Save" to confirm. The information you set here will be applied when "SMS" is selected in "General" → "Trigger".

| Function | Description |
|----------------------|--|
| System | The text messaging service provider is Clickatell. |
| User name / Password | Enter the account user name and password you created in Clickatell. |
| API ID | Enter the API ID you applied from Clickatell. |
| Recipient | Click "Add" to enter the phone number, including the country code, to receive the text message. Five sets of phone numbers are allowed. |
| Transfer Interval | Set the interval time in minutes between two-message sending. The options are 0, 15, 30 & 60. |
| Reset Counter | Click to restart the text messaging, and the SMS will be sent after the specified time interval since you click this button. |
| Message | Enter the text content (up to 70 characters) you want to send with the text message. |
| Test SMS | To know whether your SMS setting is correct, click this button to immediately send a SMS to your phone. Note: This testing is not free and you will be charged for SMS sending base on your local rate. |

4.5.8 Filter

Choose to permit or block the IP address(es) which can access this camera, and click "Save" to confirm.

| Function | Description |
|------------------------------------|---|
| Filter Configuration | |
| Error Count | Set the maximum count for login failure. When the maximum count is reached, the IP address trying to access the device will be locked. |
| Error Lock Time | Set the lock time in minutes when the maximum count of error login for an IP address is reached. |
| Echo Request | Select "Non-Block" to allow other users to use the ping command to detect the IP address of your device, or "Block" to deny the ping command request. |
| IP/MAC Filter Configuration | |
| IP/MAC Filter | Choose to enable or disable the filter function. |
| IP/MAC Filter Policy | If "Enable" is selected, choose whether you want to permit (Allow) or block (Deny) the IP address list below. |
| IP/MAC Filter Rules | |
| Rule | <ul style="list-style-type: none"> To add an item to the IP address list, key in the IP address in "Rule", and click "Add". To remove an existing item in the IP address list, click the item you want to remove, and click "Delete". |

4.5.9 UPnP / Bonjour

"UPnP" stands for "Universal Plug and Play", which allows devices to connect seamlessly in the home and corporate environments and simplify installation of computer components, and is only suitable for Microsoft Windows-based operating system.

"Bonjour" functions the same as "UPnP", but it's only suitable for Apple Mac-based operating system.

➤ UPnP

➤ Bonjour

Check "Enable" to allow the network camera to be detected among devices within the same network area, and set the identification name of the camera in "Friendly name".

When this function is activated, the other PC within the same domain as this camera will be able to search this camera in:

- "Network Neighbor" with the identification name set in "Friendly name" for Windows-based PC, or
- "🔍" (finder) or "Bookmark" with the identification name set in "Device Name" for Mac-based PC.

Double-click it to quickly open the web browser for camera access.

Port Mapping (Available only in UPnP)

When your device is connected to Internet via a router and you need to additionally access the router to configure port mapping, this function can eliminate the need to additionally access the router for port forwarding.

Note: Before using this function, make sure the UPnP function of your router is also enabled.

When "Port Mapping" is set to "Enable", the system will automatically assign an IP address or port number for you if no IP address or port number is entered.

Note: When the configurations are saved successfully, you'll see a message indicating the IP address and port number assigned to your device.

4.5.10 RTP

The Real-time Transport Protocol (RTP) is an Internet protocol standard to manage the real-time transmission of multimedia, such as VLC player.

The media player you want to use for remote access must support RTP transmission for this function to work normally.

Note: When you're about to end the remote access, please press the stop button on your media player first, and then close the program. This is to ensure the server receives the stop command, and also help to protect the server from redundant data transmission.

| Function | Description |
|--|--|
| <p>■ Port Range The port range used by RTP is limited, and preserving 100 ports between the start port and end port is necessary.</p> | |
| Start Port | The range of the start port is 1024 ~ 65434. |
| End Port | The range of the end port is 1124 ~ 65534. |
| <p>■ Multicast</p> | |
| Address and port for H264 / MPEG-4 / JPEG transmission | Set a specific address and port for multicast of each stream format (H264/ MPEG4/ JPEG). The range of the address is limited between 224.0.0.1 ~ 239.255.255.255. The port for multicast must be an even number. |
| Address and port for audio transmission | Set a specific address and port for multicast of audio. The range of the address is limited between 224.0.0.1 ~ 239.255.255.255. The port for multicast must be an even number. |
| Time to Live (TTL) | The range of Time to Live of the package is between 1 ~ 255. As soon as Time to Live of the package is 0, it will be dropped. |

4.6 Camera

4.6.1 Camera

Rename the camera, and change the place where the camera name is shown on the screen, UP-LEFT / UP-RIGHT / DOWN-LEFT / DOWN-RIGHT.



Camera Configuration

Title: IPCAM

Position: DOWN-RIGHT

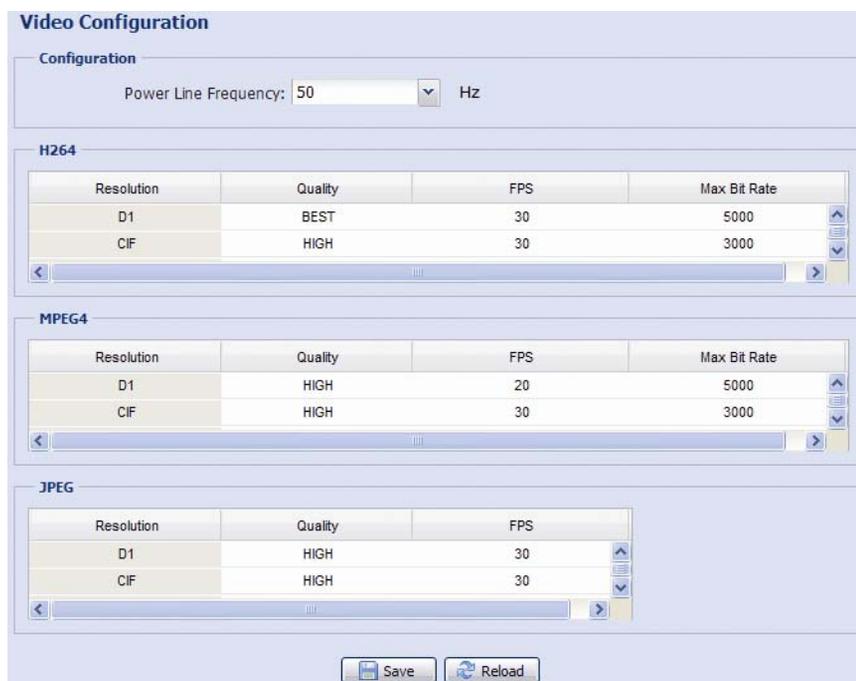
Save Reload

4.6.2 Video

Adjust video-related settings in different video format.

- “Quality” is related to image clearness.
- “FPS” is related to the fluency of the video. The more the FPS, the more fluent the video.
- “Max Bit Rate” is the maximum limitation of data transmission in the selected image format and resolution.

Note: QCIF is for mobile surveillance only.



Video Configuration

Configuration

Power Line Frequency: 50 Hz

H264

| Resolution | Quality | FPS | Max Bit Rate |
|------------|---------|-----|--------------|
| D1 | BEST | 30 | 5000 |
| CIF | HIGH | 30 | 3000 |

MPEG4

| Resolution | Quality | FPS | Max Bit Rate |
|------------|---------|-----|--------------|
| D1 | HIGH | 20 | 5000 |
| CIF | HIGH | 30 | 3000 |

JPEG

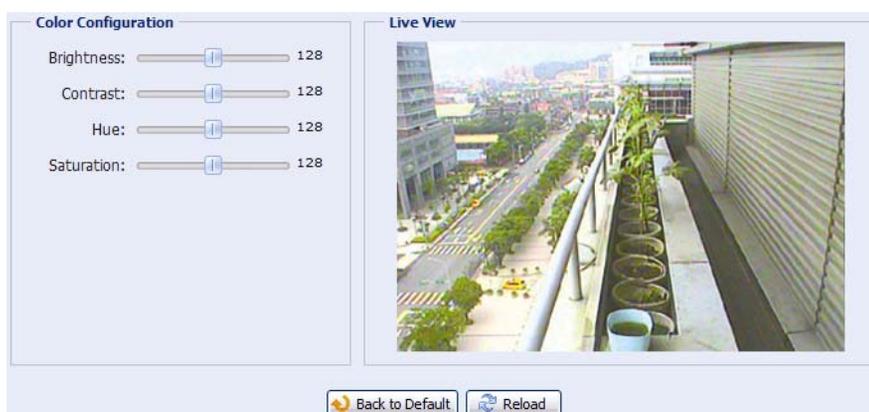
| Resolution | Quality | FPS |
|------------|---------|-----|
| D1 | HIGH | 30 |
| CIF | HIGH | 30 |

Save Reload

4.6.3 Color

Adjust the color performance from Brightness, Contrast, Hue and Saturation. Click and drag the slider to preview the color change on the right side of this page and adjust the image color.

To restore the default values, click “Back to Default”.



Color Configuration

Brightness: 128

Contrast: 128

Hue: 128

Saturation: 128

Live View

Back to Default Reload

4.6.4 Audio

Drag the slider to adjust the volume of the microphone and speaker.



4.6.5 Device

When the connected camera is a PTZ camera, go to this menu to configure the PTZ camera for the PTZ operation to work normally.



- a) Select the device to "PTZ".
- b) Set the ID to the value the same as the one set in the PTZ camera.

Note: For details, please refer to the user manual of the PTZ camera.

- c) Select the protocol to "NORMAL" if the connected camera is AVTECH camera. If not, select "P-D" (Pelco-D) or "P-P" (Pelco-P) based on the camera you connected.
- d) Set the baud rate to the value the same as the one set in the PTZ camera.

Note: For details, please refer to the user manual of the PTZ camera.

4.7 Record

4.7.1 Record

In "Record Configuration", you can:

- Enable or disable the alarm record function. When "Enable" is set to "No", the alarm record function is disabled even if you enable it in other configuration pages.
- Select if the data should be overwritten when the memory storage is full.
- Enable or disable the audio record function.
- Select the video resolution for event recording.

Note: The higher resolution you choose, the more accuracy and higher image quality the recording will be, but the faster the memory storage is consumed and become full.



4.7.2 Record Timer

To schedule alarm recording, enable it, and select the day and time for recording.

Note: The timer must be enabled for the record function to work properly.

The screenshot shows the 'External Alarm' configuration window. At the top, there are radio buttons for 'Enable' with 'Yes' selected. Below this is a grid with days of the week (SUN, MON, TUE, WED, THU, FRI, SAT) on the vertical axis and hours (0-23) on the horizontal axis. Yellow cells indicate scheduled recording times. At the bottom, there are 'Save' and 'Reload' buttons.

4.8 Storage

4.8.1 Memory

In “Memory”, you can check the remaining capacity for recording, or clear all recorded data saved if needed.

Note: The recorded data will be removed also when you reset or reboot this camera.

This camera can only save up to three alarm recordings.

Note: To save more recorded data, it's recommended to use this camera with the compatible NVR.

The screenshot shows the 'Memory Configuration' window. It displays 'File System: RAMDISK', 'Capacity Total: 10.00 MB', and 'Capacity Used: 8.12 MB (81.20%)'. A progress bar shows the usage. At the bottom, there are 'Clear' and 'Reload' buttons.

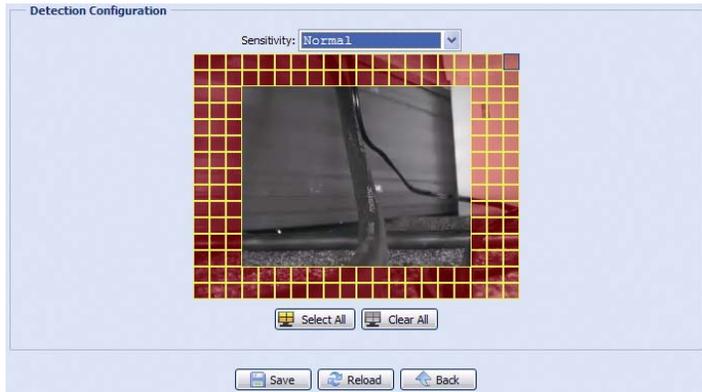
4.9 Trigger

4.9.1 Trigger

You can configure how this camera reacts when there's an alarm or motion event.

The screenshot shows the 'Detect' and 'Action' configuration windows. The 'Detect' section has dropdowns for 'External Alarm: ON', 'Motion: ON', and 'Duration: 10 Sec.', along with a 'Detection' button. The 'Action' section has checkboxes for 'E-Mail', 'FTP', 'SMS', 'Alarm Out', 'Record', and 'Audio Alert' for both 'External Alarm' and 'Motion'. At the bottom, there are 'Save' and 'Reload' buttons.

◆ Detect

| Item | Description |
|----------------|---|
| External Alarm | Enable or disable detection from external alarm-in device, and click the title "External Alarm" (in blue) to set "N.O." or "N.C." depending on the configuration of your alarm-in device. |
| Motion | <p>Enable or disable motion detection. <i>Motion detection is not supported when the stream format is Motion JPEG.</i></p> <p>When "Enable" is selected, click "Detection" to enter the motion detection area setting page as follows:</p>  <p>Sensitivity: Set the detection sensitivity from the drop-down list: High, Normal or Low.</p> <p>Area Setting: 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. Click "Clear All" to set the whole area undetected. Click "Select All" to set the whole area under detection.</p> |
| Duration | Set the duration time for trigger recording (5 / 10 / 20 / 40 seconds). |

◆ Action

Here defines how the camera delivers alerts to you for any event.

| Item | Description |
|-------------|--|
| E-Mail | <p>Select the event type you want to receive E-mail notifications when it occurs. Then, click the title "E-Mail" (in blue) to configure the media type (H264 / JPEG / MPEG4), file format (AVC / AVI), and record time (1 ~ 5 seconds) for the event video clip. The camera will send the captured video clip to the E-mail address(s) you assigned in "Network" → "Mail" once the selected event type occurs.</p> |
| FTP | <p>Select the event type you want to receive FTP notifications when it occurs. Then, click the title "FTP" (in blue) to configure the media type (H264 / JPEG / MPEG4), file format (AVC / AVI), and record time (1 ~ 5 seconds) for the event video clip. The camera will upload the captured video clip to the FTP site you assigned in "Network" → "FTP" once the selected event type occurs.</p> |
| SMS | <p>Select the event type you want to receive a text message when it occurs. The camera will send a text message to the mobile phone number you assigned in "Network" → "SMS" once the selected event type occurs.</p> |
| Alarm Out | <p>Select the event type you want to trigger the alarm-out device to work when it occurs. Then, click the title "Alarm Out" (in blue) to configure the trigger rule (LOW / HIGH).</p> |
| Record | Select the event type you want to enable event recording when it occurs. |
| Audio Alert | Select the event type you want to enable audio alert when it occurs. |

4.10 General

4.10.1 General

To change the language of UI interface, select from the drop-down list in “Language”.

To allow the status LED indicators to show the status, select “Enable” in “Status LED Mode”; to hide the status, select “OFF”; to only show the error status, select “Temporary Disable”.

Note: The status LED mode will be restored to “Enable” after camera reboot when “Temporary OFF” is selected.

To lock camera access when it’s not used after the specified time, select “5 MIN”, “15 MIN” or “30 MIN” from the drop-down list of “Auto Lock Time”, or select “NEVER” to disable this function.

Note: When the camera access is locked after the specified time, to resume camera access, please enter the password.

The screenshot shows the 'General Configuration' section of a web interface. It contains four rows of configuration options, each with a label and a dropdown menu: 'Language' set to 'English', 'Status LED Mode' set to 'Enable', 'Auto Lock Time' set to '15 MIN', and 'MAC Address' set to '00:0E:53:E6:29:B3'. Below these fields are two buttons: 'Save' and 'Reload'.

4.10.2 Time

Set daylight saving time and the current time, and click “Save” to confirm.

The screenshot shows the 'Time' configuration section. It is divided into two parts. The top part, 'Time Configuration', has a 'Date' field set to '2010/06/09' and a 'Time' field set to '19:09:20'. The bottom part, 'Daylight Saving Time Configuration', has a 'Daylight Saving Time' section with 'Enable' selected. Below that are 'Start Time' (August, First Week, Monday, 6:00), 'End Time' (October, Fifth Week, Monday, 10:00), and 'Adjust Time' (1:00) fields. 'Save' and 'Reload' buttons are at the bottom.

| Function | Description |
|---|---|
| ■ Time Configuration | |
| Date | Set the current date. |
| Time | Set the current time. |
| ■ Daylight Saving Time Configuration | |
| Daylight Saving Time | Specify whether to use daylight saving time (Enable / Disable). |
| | If this function is enabled, set the time period (Start Time / End Time), and adjust the daylight saving time in hours (Adjust Time). |

4.10.3 Server Log

To quickly search the system logs you want by event type, click “Prev. Page” or “Next Page” to find the logs you want, or check the event type(s) and click “Reload” to start searching.

To clear all system event logs, click “Clear All”.

Server Log List

| No. | Event | Time | Result |
|-----|--------------|---------------------|--------|
| 1 | Remote Login | 2011/08/30 20:54:41 | admin |
| 2 | Remote Login | 2011/08/30 20:29:58 | admin |
| 3 | Remote Login | 2011/08/30 18:22:08 | admin |
| 4 | SNTP Update | 2011/08/30 18:20:06 | Failed |
| 5 | Remote Login | 2011/08/30 18:20:03 | admin |
| 6 | Power On | 2011/08/30 18:19:24 | ON |
| 7 | Power On | 2011/08/30 18:18:46 | OFF |
| 8 | Remote Login | 2011/08/30 18:11:21 | admin |
| 9 | Remote Login | 2011/08/30 18:11:18 | admin |
| 10 | Remote Login | 2011/08/30 18:07:10 | admin |
| 11 | Remote Login | 2011/08/30 18:03:19 | admin |
| 12 | Remote Login | 2011/08/30 18:02:15 | admin |
| 13 | Remote Login | 2011/08/30 18:02:07 | admin |
| 14 | Remote Login | 2011/08/30 18:01:51 | admin |
| 15 | Remote Login | 2011/08/30 17:57:01 | admin |
| 16 | Remote Login | 2011/08/30 17:56:55 | admin |
| 17 | Remote Login | 2011/08/30 17:56:53 | admin |
| 18 | Remote Login | 2011/08/30 17:54:44 | admin |
| 19 | SNTP Update | 2011/08/30 17:50:48 | Failed |
| 20 | Power On | 2011/08/30 17:50:07 | ON |

◀ Prev. Page ▶ Next Page ↻ Reload 🗑 Clean All

4.10.4 Online

You can check the current online user(s) with respective online information. To refresh the list, click “Reload”.

- To allow anonymous login, select “Enable” in “Anonymous Viewer Login”.
- To disable image code verification at login, select “No” in “Login with CAPTCHA Image”.

Online Configuration

Anonymous Viewer Login: Enable Disable

Login with CAPTCHA Image: Yes No

Max Online User:

| Username | IP Address | User Level | Media Type |
|----------|--------------|------------|------------|
| admin | 211.75.84.96 | SUPERVISOR | H264 |
| admin | 60.248.97.4 | SUPERVISOR | H264 |

↻ Reload

💾 Save ↻ Reload

4.10.5 Account

You can create a new account with different user access privilege, or delete or modify an existing account setting.

How to create a new account

Step1: Click “New”, and fill in the following columns.

The screenshot shows the 'Account Configuration' window with a table of existing accounts and a 'New Account Info' dialog box. The table lists 'admin' and 'guest' users with 'SUPERVISOR' levels and 'INFINITE' or '5 MIN' lifetimes. The dialog box is open, showing the following fields: Username: office, Password: *****, Confirm Password: *****, User Level: POWER USER, and Life Time: 1 HOUR. There are 'Save' and 'Close' buttons at the bottom of the dialog. A red arrow points from the 'Add' button in the main window to the 'New Account Info' dialog box.

| Column | Description |
|------------------|--|
| User Name | Set a user name that will be used for camera access. The user name allows up to 16 alphanumeric characters. |
| Password | Set the password that will be used for remote login. The password allows up to 16 alphanumeric characters. |
| Confirm Password | Enter the password again to confirm. |
| User Level | Set the security level of an account to give the permission to control different functions. There are four user levels: SUPERVISOR, POWER USER, NORMAL USER and GUEST. |
| Life Time | Select how long this account is allowed to stay online (1 MIN / 5 MIN / 10 MIN / 1 HOUR / 1 DAY / INFINITE) |

Step2: Then, click “Save” to save your setting and create a new account.

How to modify or delete an existing account

Step1: Select the account you want to modify or delete.

Step2: To modify the account, click “Edit” to change the settings, and click “Save”.

To remove the account, click “Delete”.

Note: It's not allowed to remove an account when there's only one account in the account list.

4.10.6 Google Maps

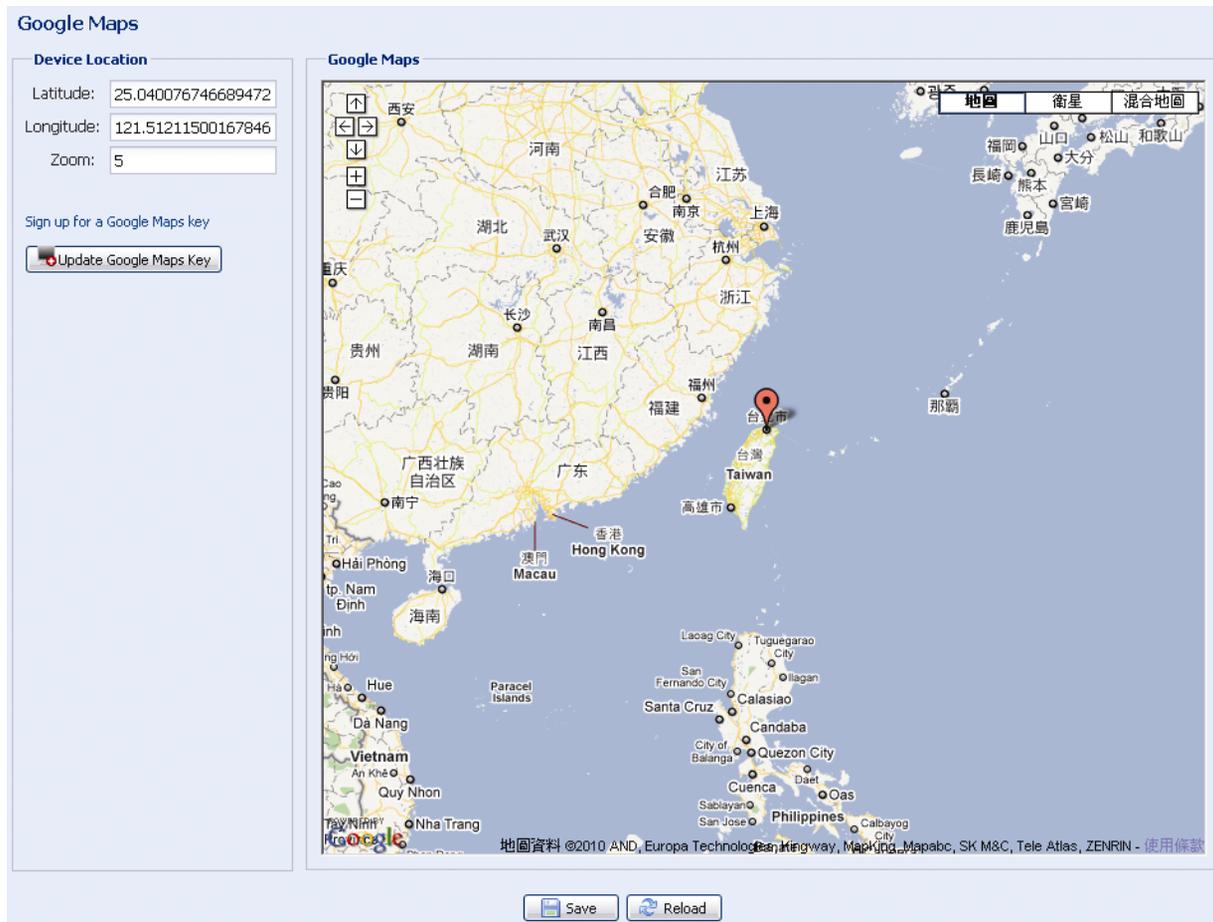
This function is used to let you know where the network camera is.

The system will prompt you to apply a Google Maps Key if your access is denied. Please follow the instructions below when you're denied:

Step1: Click "Sign up for a Google Maps key" to enter the application page.

Step2: Check the terms and conditions, and enter the IP address of the network camera. Then, click "Generate API Key".

Step3: Copy the generated API key, and click "Update Google Maps Key" on the web browser to paste it.



4.10.7 Maintenance

Firmware Upgrade

This function is used when users need to upgrade the camera for function scalability.

Note: Before using this function, make sure you have the correct upgrade files provided by your installer or distributor.

Note: The event videos saved in the camera will be removed after firmware upgrade. Make sure you've copied important events to your PC before firmware upgrade.

Step2: Select "Upgrade" to start system upgrading.

Note: You'll be prompted to keep current configurations. It's recommended to keep them, or all configurations will be restored to default values after upgrade.

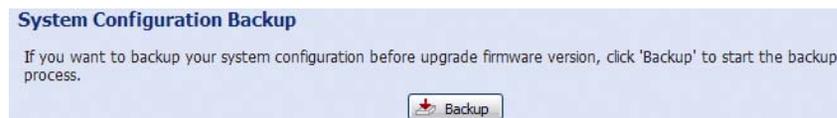
Note: It takes a few minutes to finish the upgrade process. Do not disconnect the power during firmware upgrade, or the upgrade may be failed. The camera will reboot after the upgrade.

System Configuration Backup

This function is used to copy your system configuration to a “System.bin” file.

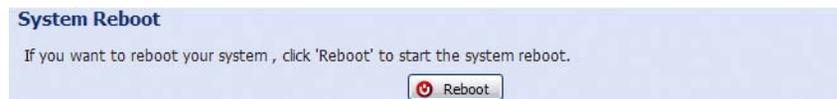
You may import the same system configuration to another camera, or restore your system configuration when the camera is reset to default values.

Select “System.bin” in “Firmware Upgrade”, and select “Upgrade” to import the system configuration.



System Reboot

Select “Reboot” to restart your camera if needed.



Player Download

To see the event video clips downloaded to your PC, you need to first install our own video player in your PC.

Select “Free Download” to download the video player, and double click the file to install it.



APPENDIX 1 PRODUCT SPECIFICATIONS

| | Video Server |
|---|--|
| Video Input | 1 channel for analog & digital products, 1.0 Vp-p 75 composite, BNC |
| Audio | 1 channel audio input / 1 channel audio output |
| Alarm I/O | 1 input / 1 output |
| Watch dog | Yes |
| RS-485 Port | Yes |
| Network Interface | Ethernet (10/100 Base-T) |
| Image Compression | H.264 / MPEG4 / JPEG |
| Video Adjustment | Brightness, Contrast, Saturation and Hue |
| Supported Protocols | DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP, RTCP, IPv4, Bonjour, UPnP, DNS, UDP |
| Resolution | 704x480, 352x240 (NTSC) / 704x576, 352x288 (PAL) |
| Frame Rate | NTSC: 30, PAL: 25 |
| Motion Trigger Recording | Yes |
| Motion Detection | 3 adjustable factors |
| Trigger & Action | Triggered by GPIO Input or Motion detection, Action: E-mail video/images or video/images upload to FTP site |
| ONVIF | Yes |
| Mobile Phone support | Yes |
| Mac PC support | Yes |
| Multiple Video streaming | Yes (H.264 / MPEG4 / MJPEG) |
| Number of Online Users | 10 |
| Security | Multiple user access levels with password, IP address filtering |
| Speed Dome Control | Yes (AVTECH / PELCO-D / PELCO-P) |
| De-blocking | Yes |
| De-interlace | Yes |
| Security | Password protection |
| Power Source | DC12 V/1A |
| Current consumption ($\pm 10\text{mA}$) | About 0.6A |
| Operating Temperature | 0°C ~40°C |
| Dimensions (mm)** | 118.6 x 75 x 28.6 |

** The specifications are subject to change without notice.

** Dimensional tolerance: $\pm 5\text{mm}$

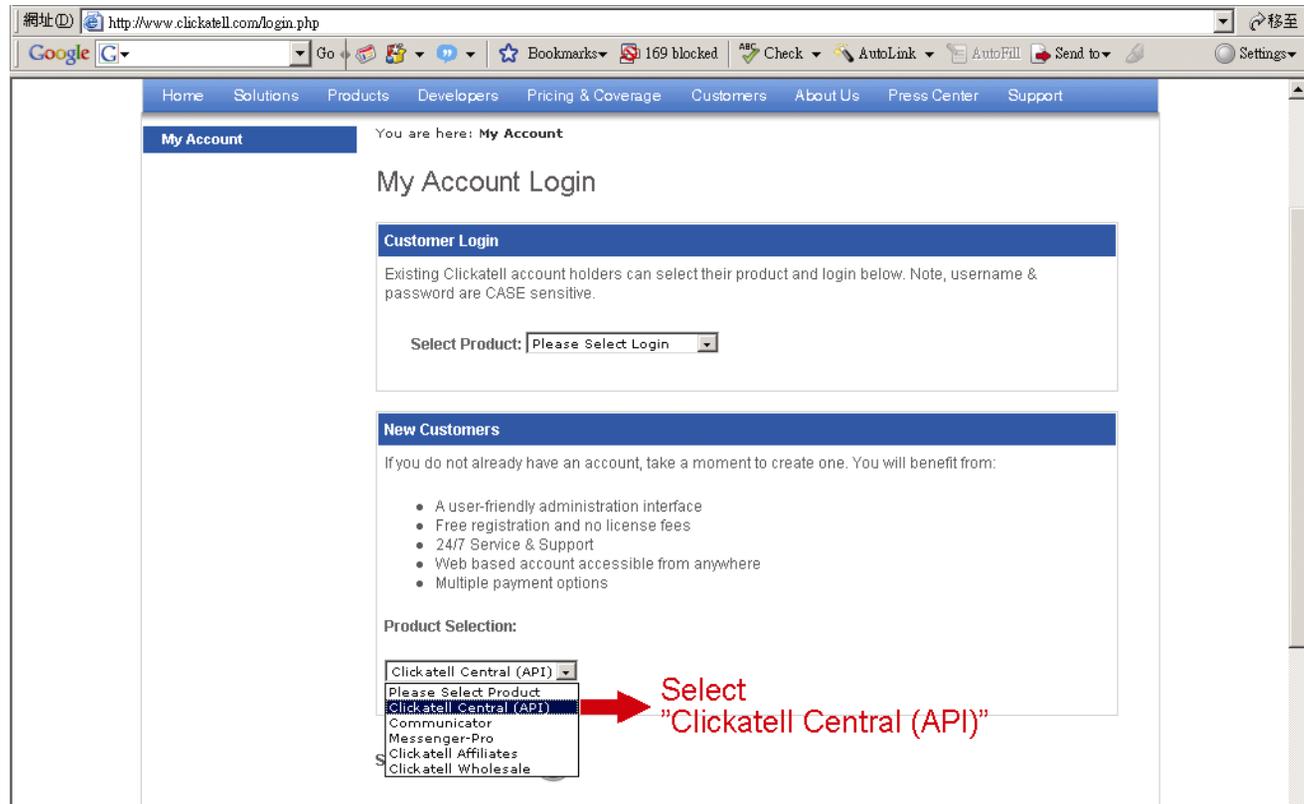
APPENDIX 2 API ID APPLICATION FOR SMS MESSAGING

To allow the camera automatically sending a text message when an event happens, you need to apply an API ID from Clickatell, one mobile messaging company, first.

Note: The SMS messaging is not totally free. You will be charged starting from the 11th message.

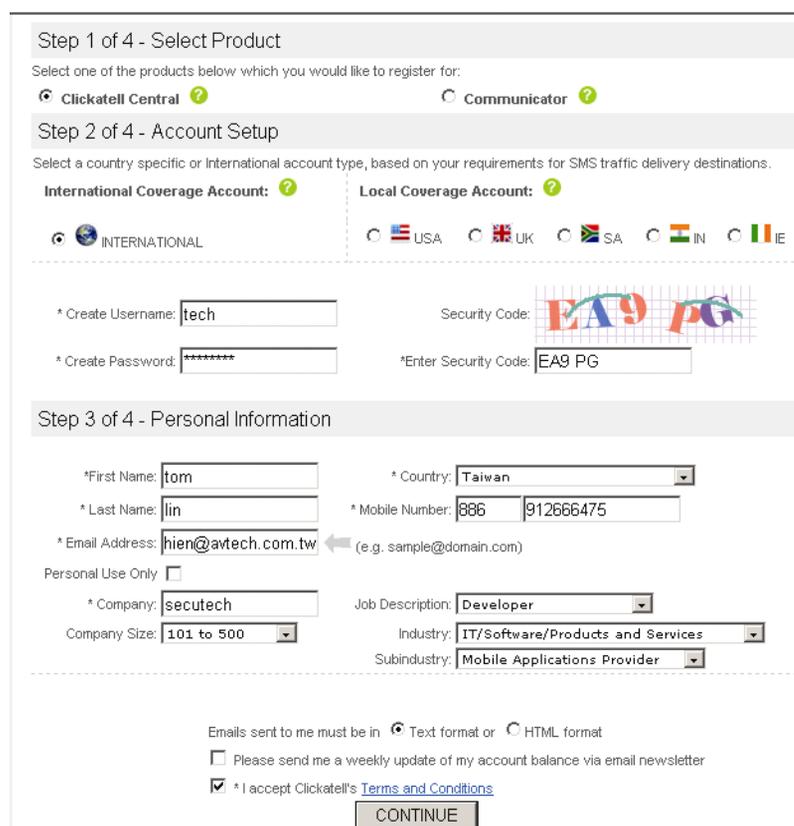
Please follow the steps below for application.

Step1: Go to <http://www.clickatell.com/login.php>. In “New Customers”, select “Clickatell Central (API)” from the drop-down list.



Step2: Fill in your information to create an account, and click “CONTINUE”.

Note: Note down the user name and password, and the mobile phone number you specified here for SMS notification setting later.

A screenshot of the Clickatell account setup form, divided into three steps. Step 1 of 4 - Select Product: Shows two radio buttons for 'Clickatell Central' (selected) and 'Communicator'. Step 2 of 4 - Account Setup: Shows two radio buttons for 'International Coverage Account' (selected) and 'Local Coverage Account'. Below are radio buttons for country selection: USA, UK, SA, IN, IE. There are input fields for 'Create Username' (tech), 'Create Password' (*****), 'Security Code' (EA9 PG), and 'Enter Security Code' (EA9 PG). Step 3 of 4 - Personal Information: Shows input fields for 'First Name' (tom), 'Last Name' (lin), 'Email Address' (hien@avtech.com.tw), 'Company' (secutech), 'Company Size' (101 to 500), 'Country' (Taiwan), 'Mobile Number' (886 912666475), 'Job Description' (Developer), 'Industry' (IT/Software/Products and Services), and 'Subindustry' (Mobile Applications Provider). There are checkboxes for 'Personal Use Only', 'Please send me a weekly update of my account balance via email newsletter', and 'I accept Clickatell's Terms and Conditions'. A 'CONTINUE' button is at the bottom.

Step2: When the account is created, the system will automatically send an Email to your specified Email address and ask you to activate your account.

Click the link in the Email to complete account activation, and enter the login page as follows. Enter the password you set, and click “Login”.

My Account Login

Customer Login
Existing Clickatell account holders can select their product and login below. Note, username & password are CASE sensitive.

Select Product:

Username:

ClientID:

Password:

[Lost password?](#)

Enter the password you set to log in.

Step3: Enter the mobile phone number (including your country code) you want the text message to be sent, and click “SEND ACTIVATION CODE”. The system will send an activation code to that number for verification. Check if you receive a text message from Clickatell.

Verify your Mobile Number

For security reasons you are required to verify your mobile number before you can receive non-test SMS messages.

Your activation code will be sent to

If this is not your number, please retype your mobile number in the box above and click the "Send Activation Code" button.

Enter your activation code here:

Enter your mobile phone number, including your country code.

Step4: Go back to Clickatell, and click the tab “Manage my Products”. Then, select “HTTP” from the drop-down list “My Connections”.

Central Home | My Settings | **Manage my Products** | Billing | Message Reports | Help

Manage my Products

Test Message in Message Box

Buy SMS Credits

My Connections: **My Connections**

Add Connection

HTTP

Select "HTTP".

Step5: In “Add HTTP API”, enter a descriptive name for this service, and make sure the dial prefix is correct and callback type is “HTTP GET”. Then, click “Submit”.

Add HTTP API - Bold Items Required

Name:

IP Lock Down:

Dial Prefix:

Callback Type:

Callback Url:

Callback Username:

Callback Password:

Minimum information required

Step5: You will get an API ID as follows.

Note: Note down the API ID for SMS notification setting later.

My Connections:

| Name | Type | API ID | Dialing Code |
|--------|----------|---------|--------------|
| IP_SMS | SMTP API | 3218637 | 886 Taiwan |
| IP_MSG | HTTP | 3220810 | 886 Taiwan |

1 to 2 of 2