# **User Manual**

# **For HD Cameras**

(IP Camera Search Tool)

Version 2.0

# Catalogue

| 3  |
|----|
| 3  |
| .4 |
| .8 |
| 12 |
| 12 |
| 12 |
| 12 |
| 13 |
| 13 |
| 14 |
| 14 |
| 15 |
| 15 |
| 16 |
| 7  |
| 8  |
| 20 |
| 20 |
| 21 |
| 22 |
| 25 |
| 27 |
| 27 |
| 27 |
| 28 |
| 8  |
|    |

**Notice**: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

# **Basic Operation**

This section will focus on connecting your IP camera, software installation, basic operation of the interface including pan/tilt, video, audio, etc. Other settings will be explained in later chapters.

# Notice:

For your security, please update the camera's default password once you finish the following procedure and you can turn to camera settings for reference.

## **Hardware Installation**

Open the package. Connect the camera to your router by a network cable and plug it in with the provided AC adapter.



Router

**IP Camera** 

# **Live Video in Windows**



1. Run IP Camera Search Tool

in CD's Windows folder.

| ् IP Camera Searc | h Tool v3.0            |                                |        |
|-------------------|------------------------|--------------------------------|--------|
| S/N               | Alias                  | IP Address<br>192.168.1.101:80 |        |
|                   | Double click           |                                |        |
| Please select lan | guage English          | - Open                         | Search |
| Configure came    | era's network settings |                                |        |

2.Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.

| 92.168.0.118 is asking for your user name and password. Th<br>ts that it is from IPCamera_Web. |
|--|
| our user name and password will be sent using basic<br>on on a connection that isn't secure.   |
|  |
| User name  |
| Password   |
| Remember my credentials  |

### 3. Select Browser Plug-ins

| IPCa<br>Ver 1.8 |   |
|-----------------|---|
|                 | Welcome to Use IP Camera  |
|                 | Browser plug-ins<br>Recommended browser plug-in, support for real-time video and audio<br>playback, compatible with Windows platforms common browsers |
|                 | Non-IE Web Browsers(MJPEG)<br>For FireFox, Google Chrome <mark>, Safari</mark> etc.   |
|                 | iPhone, iPod touch and iPad   |
|                 | Mobile Phone (such as Android)<br>Browser that supports Javascript.   |
|                 | IE ActiveX Plug-in. Click to download   |
|                 | Language: English 🗸   |

4. The web browser will show a message Please upgrade the plug-in!.

| N | fessage from webpage                | solution      | 1280 X 720    | $\mathbf{\sim}$ |
|---|-------------------------------------|---------------|---------------|-----------------|
|   |                                     | finition      |               | $\mathbf{\sim}$ |
|   | Please upgrade the player plug-in ! | n/Tilt<br>eed | Normal        |                 |
| Э | OK                                  |               |               |                 |
|   |                                     |               |               |                 |
|   |                                     | -             | \$ <b>S</b> G | 0               |
|   |                                     |               |               | 3               |
|   |                                     |               |               |                 |

5. Click **OK** and **Player** to download the web browser plug-in running.

Click **Run** to install the plug-in.

| Please upgrade the player plug-in, Click to download                       | IPCam                         |
|--|-------------------------------|
|  | Resolution 1280 X 720 V       |
|  | Pan/Tilt Normal 🔽             |
| 9  |                               |
|  |                               |
|  | ↔ ‡ S GO<br>▲ <b>&gt; ★</b> 1 |
|  |                               |
|  |                               |
| Please upgrade the player plug-in, Click to download                       | IPCam                         |
|  | Resolution 1280 X 720         |
|  | Definition                    |
|  | Pan/Tilt Normal  Speed        |
| $\supset$  |                               |
|  |                               |
|  | ↔ ‡ S GO                      |
| Do you want to run or save <b>IPCHDPlugPlayerSetup.exe</b> (677 KB) from : |                               |
|  | Run Save  Cancel              |

6. The web browser will show a warning message, please ignore it. Click

#### Actions.



7. Click More options and click Run anyway to install the web browser

plug-in



#### 8. Then you will see the live video and control panel



## Live Video in Mac (Macintosh)

1. Run **IP Camera Search Tool** in CD's Mac folder. Mac will show a warning message that the application is not safe, please ignore the warning and **run** it anyhow.



| 000             |                                   |          | IP Camera Search Too | ol 5.4           |                      |
|-----------------|-----------------------------------|----------|----------------------|------------------|----------------------|
| Information abo | out the computer:<br>192.168.1.55 | _        |                      | UID:             | 000CC0000C01         |
| Subnet Mask:    | 1                                 | DNS1:    |                      | FW ver:          | 32.37.2.39           |
|                 | 255.255.255.0                     | _        | 202.96.134.133       | Name:            | IPCamera             |
| Router:         | 192.168.1.1                       | DNS2:    | 8.8.8.8              |                  |                      |
| UID             | IP.                               |          | Name                 | Configure IP:    | Using DHCP ‡         |
|                 | 192.                              | 168.1.53 | IPCamera             | IP Address:      | 192.168.1.53         |
|                 |                                   |          |                      | Subnet Mask:     | 255.255.255.0        |
|                 |                                   |          |                      | Router:          | 192.168.1.1          |
|                 |                                   |          |                      | DNS:             | 202.96.134.133       |
|                 |                                   |          |                      |                  | Same as the computer |
|                 |                                   |          |                      | Internet Port:   | 80                   |
|                 |                                   |          |                      | internet Url:    |                      |
| search          |                                   |          | Open                 | Camera's Passwor | d: Apply             |

\*Notice: If your MAC OS could not run IP Camera Search Tool in Mac, it

should be the security system forbit you run application not from App Store.

## You could set it in **System Performatnce**.



| 000               |                               |                 | System P           | references         |                       |              |                     |
|-------------------|-------------------------------|-----------------|--------------------|--------------------|-----------------------|--------------|---------------------|
|                   | Show All                      |                 |                    |                    |                       | Q            |                     |
| Personal          |                               |                 |                    | 51                 |                       |              |                     |
| New               |                               |                 | <b>7</b>           | 100                | Ó                     | Q            |                     |
| General           | Desktop &<br>Screen Saver     | Dock            | Mission<br>Control | Language<br>& Text | Security<br>& Privacy | Spotlight    | Universal<br>Access |
| Hardware          |                               |                 |                    |                    |                       |              |                     |
|                   |                               | Ø               |                    |                    |                       | <b>H</b>     | 0                   |
| CDs & DVDs        | Displays                      | Energy<br>Saver | Keyboard           | Mouse              | Trackpad              | Print & Scan | Sound               |
| Internet &        | Wireless                      |                 |                    |                    |                       |              |                     |
| 0                 | 0                             |                 |                    | 8                  | ٠                     |              |                     |
| iCloud            | Mail, Contacts<br>& Calendars | MobileMe        | Network            | Bluetooth          | Sharing               |              |                     |
| System            |                               |                 |                    |                    |                       |              |                     |
| 11                | **                            |                 | ()                 | -                  | 0                     | 2            |                     |
| Users &<br>Groups | Parental<br>Controls          | Date & Time     | Software<br>Update | Speech             | Time Machine          | Startup Disk |                     |
| Other             |                               |                 |                    |                    |                       |              |                     |
| F                 |                               |                 |                    |                    |                       |              |                     |
| Flash Player      |                               |                 |                    |                    |                       |              |                     |
|                   |                               |                 |                    |                    |                       |              |                     |

Allow applications downloaded from anywhere.

| 000   | Security & Privacy   |
|-------|--|
|       | Show All Q.  |
|       | General FileVault Firewall Privacy   |
|       | A login password has been set for this user Change Password  |
|       | <ul> <li>Show a message when the screen is locked Set Lock Message</li> <li>Disable automatic login</li> </ul> |
|       | Allow applications downloaded from:<br>Mac App Store   |
|       | Mac App Store and identified developers     Anywhere   |
| Clic  | the lock to prevent further changes.   |
| Circi | Auvanceu   |

2. Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.

| ١ | To view this page, you must log in to area<br>"IPCamera_Web" on 192.168.1.53:80.<br>Your password will be sent unencrypted. |
|---|---|
|   | Name:   |
|   | Password:   |
|   | 🗌 Remember this password in my keychain   |
|   | Cancel Log In   |

-10

3. Select Non-IE web Browsers(MJPEG) and get live video





## **Camera Settings**

Click this Settings Button for camera Settings.



Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled

cameras only.

## **System**

#### About Basic Device Info.

| Ver 1.8.12 HD    |                           |  |
|------------------|---------------------------|--|
|                  | About                     |  |
| Device SN        | 22C018073E                |  |
| Hardware Version | 1.7                       |  |
| Firmware Version | 1.8.12 HD                 |  |
| Device SN        | The camera's device ID    |  |
| Hardware Version | Camera's hardware version |  |
| Firmware Version | Camera's software version |  |

## **Pan/Tilt Setting**

Camera' Pan/Tilt and preset setting (only available for cameras with Pan/Tilt

function).

|                        | Pan/Tilt | t Setting |  |
|------------------------|----------|-----------|--|
| Enable Pan/Tilt        |          |           |  |
| Enable Preset Position | <b>V</b> |           |  |
| Startup Position       |          | -         |  |
| Pan/Tilt Speed         | Normal   | -         |  |
|                        |          |           |  |
|                        | Save     | Cancel    |  |

## **Backup and Restore Setup**

Save or restore camera configuration.

| Backup Configuration                   |      |
|--|------|
|  |      |
| xport Button Export                    |      |
| Restore Backup Configuration           |      |
| Setting File Location Bro              | owse |
| Import Cancel                          |      |
| Restore Factory Setting                |      |
| Restore Default Button Restore Default |      |

| Backup Configuration         | Keep the camera settings as a backup file. Download the    |
|------------------------------|--|
|                              | appeared box IPCamera_Settings.dat and save it on your     |
|                              | computer in case you need to restore your previous         |
|                              | settings.  |
| Restore Backup Configuration | Click Browse to restore the backup settings which has been |
|                              | saved in advance to restore the previous configuration.    |
| Restore Factory Setting      | Reset the camera to default factory settings               |
|                              |  |

## **NTP Setting**

Camera's time setting

|  | NTP Settings   |
|--|--|
|  |  |
| Current Time                               | Fri Jul 10 10:30:22 UTC 2015 Sync with Host  |
| Time Zone                                  | (GMT) England -  |
| NTP Server                                 | time.nist.gov<br>ex.time.nist.gov<br>time.windows.com<br>ntp0.broad.mit.edu<br>time.stdtime.gov.tw |
| Automatic Calibration Time Interval(by hou | r) 48 🗸  |
| Daylight saving time                       |  |
|  | Save Cancel  |
| Current Time                               | Camera's time and you can click Sync With Host to  |
|  | match it to your computer's time   |
| Time Zone                                  | Time zone of the place that the camera is located  |
| NTP Server                                 | Time server of the network which is connected  |
|  | with the camera  |
| Automatic Calibration Time                 | Intervals for the camera to correct the time with its  |
| Interval(by hour)                          | own connected network.   |

#### Tips:

**1.** Since the camera has no built in battery, the time saved in its memory may be lost when the camera reboots and reset to 1970.01.01. This will not affect the alarm schedule, since the exact alarm time will be synced from the Internet. You just need to reconnect the network to correct the camera's time manually.

#### 2. What is NTP server?

NTP server is a server computer that reads the actual time from a reference clock and distributes this information to its clients using network. Your camera will get the exact time through an NTP sever by offering the time zone of its location.

### **Misc Setting**

Camera's some Miscellaneous Settings

| м                               | lisc setti | ng          |                        |
|---------------------------------|------------|-------------|------------------------|
|                                 |            |             |                        |
| Power line frequency            | ●50HZ      | ©60HZ       | ODisabled              |
| Power LED                       | ©Close     | ©Open       | Flicker                |
| IR-LED Status                   | ©Close     | ◎Auto       | Schedule               |
| 24H 0 1 2 3 4 5 6 7 8 9<br>Open |            |             | 7 18 19 20 21 22 23    |
|                                 |            | ouncer      |                        |
| Power line frequency            | Select     | the corre   | ect power frequency to |
|                                 | avoid      | video flas  | hing, adjust           |
|                                 |            |             |                        |
| Power LED                       | The st     | atus of fro | ont green LED          |
| IR-LED Status                   | Custo      | m Control   | Night Vision           |

### Language

To set camera's language and other appearance settings.

|                          | System Lang  | uage         |
|--------------------------|--|--------------|
| Language                 | English  |              |
| Welcome Page<br>UI Color | <auto><br/>English<br/>繁體中文<br/>简体中文<br/>español<br/>français<br/>русский</auto> | Hide<br>Blue |
|                          | italiano<br>Deutsch<br>한국어<br>日本语<br>한고리   |              |

## **Change Password**

|                  | Changing Password                              |
|------------------|--|
| User Name        | admin  |
| Current Password |  |
| New Password     |  |
| Confirm Password |  |
|                  | Save Cancel                                    |
| User Name        | This camera's username                         |
| Current Password | To confirm the current password                |
| New Password     | To fill in the camera's new password           |
| Confirm Password | Fill in the new password to confirm the change |

### System User

### Adding and updating user accounts

|              |            |        | User      | Manager             | nent               |                    |                       |          |
|--------------|------------|--------|-----------|---------------------|--------------------|--------------------|-----------------------|----------|
| System User  | [admin]    |        |           |                     |                    |                    |                       |          |
| User Defined |            |        |           |                     |                    |                    |                       |          |
| User Name:   |            |        | Password: |                     | G                  | roup: Guest        | ×                     | Delete   |
| User Name:   |            |        | Password: |                     | G                  | roup: Guest        | ×                     | Delete   |
| User Name:   |            |        | Password: |                     | G                  | oup: Guest         | ×                     | Delete   |
| User Name:   |            |        | Password: |                     | G                  | roup: Guest        | ~                     | Delete   |
| User Name:   |            |        | Password: |                     | G                  | oup: Guest         | ~                     | Delete   |
| User Name:   |            |        | Password: |                     | G                  | oup: Guest         | <b>~</b>              | Delete   |
|              | Live Video | Record | Snapshot  | Video<br>adjustment | Voice to<br>Camera | Speak to<br>Camera | Pan/Tilt<br>Operation | Settings |
| Admin        | V          | N      | V         | N                   | V                  | V                  | N                     | V        |
| Operator     | V          | V      | V         | V                   | N                  | V                  | N                     |          |
| Guest        | V          | V      | N         |                     | V                  | V                  |                       |          |

Defined user contains three different user levels. Different access is granted

|          | Live<br>Video | Record | Snapshots | Video<br>adjustment | Sound | Talkback | PT<br>operation | Settings |
|----------|---------------|--------|-----------|---------------------|-------|----------|-----------------|----------|
| Admin    | ۷             | V      | V         | ۷                   | ٧     | ۷        | ۷               | V        |
| Operator | ۷             | V      | V         | ٧                   | ۷     | V        | V               | ×        |
| Guest    | ٧             | V      | V         | ×                   | ٧     | V        | ×               | ×        |

to different user levels as specified in the following sheet

## Update

Update the device to the latest firmware version

|       |   | Firmware Update  |
|-------|---|--|
| Note: |   |  |
|       |   | ckage according to product model of the camera.          |
|       | 2. Use cable network NOT Wi-Fi du                   |  |
|       |   | ss is operated under continuous power supply.            |
|       |   | ut 1 minute. Please wait until camera reboots.           |
|       |   | ce of professional personage in case of updating failure |
| 6     | <ol><li>We are not responsible for any ir</li></ol> | nproper operation that leads to camera crash.            |
|       |   |  |
| Loca  | ation   | Browse   |
|       |   |  |
|       |   |  |

### Notice:

- 1. Please choose proper update package for your camera model.
- 2. Use an Ethernet cable NOT WI-FI to connect to your camera during the update process.
- 3. Make sure that the camera is not unplugged during the update process.
- 4. The whole process may take about 2-3 minute. Please wait until camera reboots.
- 5. Please unzip the file to bin document and then update the firmware with it.
- 6. We are not responsible for any improper update attempts that lead to camera crash.

# Network

## IP Config

The Camera's Basic Network Settings

| Device Name           | IPCamera                   |
|-----------------------|----------------------------|
| DHCP                  |                            |
| IP Address            | 192. 168. 1. 239           |
| Net Mask              | 255. 255. 255. 0           |
| Default Gateway       | 192. 168. 1. 1             |
| DNS Server            | 192. 168. 1. 1             |
| Web Port (default 80) | 80                         |
|                       | New port born after reboot |

| Device Name     | Camera's display name which is set to distinguish from other devices on your network  |
|-----------------|---|
| DHCP            | Enable or disable obtaining IP address from DHCP server automatically. If it is enabled, IP address and other items cannot be changed manually.             |
| IP Address      | Camera's local network IP address, which is used to view the camera in the same local area network.<br>Specify a unique IP address for your network camera. |
| Net Mask        | Specify the mask for the subnet the network camera is located on  |
| Default Gateway | Specify the IP address of the default gateway (router) used for connecting devices attached to different networks and network segments                      |
| DNS Server      | DNS (Domain Name Service) provides the translation of host names to IP addresses of your network  |
| Web Port        | Camera's communications port which is set to send video and audio data  |

## Wi-Fi

### **Configuring WI-FI connection**

|    |                |      | Wi-Fi Link     | Status    |                      |
|----|----------------|------|----------------|-----------|----------------------|
| Co | nnect AP       | Dis  | connected      |           | IP Address           |
|    |                |      | Station Profil | e(Up to 4 | +)                   |
|    | Profile        | SSID | Channel        | Aut       | hentication          |
|    | (              | Edit | Delete         |           | Activate             |
|    | SSID           |      | RSS            | Channel   | Encryption           |
|    | SSID           |      | RSS            | Channel   | Encryption           |
| 0  | MERCURY_F2AFF2 |      | llee           | 1         | WPA2-PSK;(AES)       |
| 0  | DYW1           |      | Bee            | 1         | WPA2-PSK;(TKIP; AES) |
| 0  | ChinaNet-974j  |      | all            | 1         | WPA2-PSK;(TKIP; AES) |
| 0  | monkey         |      |                | 1         | WPA2-PSK;(AES )      |
| 0  | kingkong       |      | llee           | 1         | WPA2-PSK;(TKIP; AES) |
| 0  |                |      |                |           | WPA2-PSK;(AES)       |

| Station Site Search Result | All the nearby wireless signals visible to the camera   |
|----------------------------|---|
| Station Profile(Up to 4)   | Select the wireless signal and add it to Station Profile. Then you can switch your preferred wireless network easily. |
| WI-FI Link Status          | Check and change wireless network status  |

#### Set up Wi-Fi connection

- 1. Click Rescan to search Wi-Fi signal around the camera
- 2. Select the Wi-Fi SSID you want to connect and click Connect

|            |          | Wi-Fi Link S | Status             |  |
|------------|----------|--------------|--------------------|--|
| Connect AP | Disconne | cted         | IP Address         |  |
|            | Sta      | tion Profile | (Up to 4)          |  |
| Profile    | SSID CI  | hannel       | Authentication     |  |
|            | Edit     | Delete       | Activate           |  |
|            | Stati    | on Site Sea  | rch Result         |  |
| SSID       | RSSI     | Channel      | Encryption         |  |
| MwWi-FI    | -11      | 1            | WPA-PSK(TKIP; AES) |  |

#### **3.** Enter the password of your Wi-Fi network and click **Apply**.

|                       | Adding Wi-Fi profile |
|-----------------------|----------------------|
| Profile Name          | PR0F001              |
| SSID                  | TP-LINK_53FC         |
| Network Type          | Infrastructure -     |
| Security Policy       |                      |
| Security Mode         | WPA2-Personal 💌      |
|                       |                      |
| WPA                   |                      |
| WPA<br>WPA Algorithms | ●TKIP ◎AES           |

4. Pick the wireless network added in Station Profile (Up to 4) and click

Activate.

|            | V            | Vi-Fi Link Status |                |
|------------|--------------|-------------------|----------------|
| Connect AP | TP-LINK_53FC | IP Address        | Disconnect     |
|            | Stati        | ion Profile(Up to | 4)             |
| Profile    | SSID         | Channel           | Authentication |
|            | TP-LINK_53FC | 6                 | WPA2-PSK(TKIP) |
|            | Edit         | Delete            | Activate       |
|            |              | on Site Search Re |                |

**5.** Wireless network is connected if it appears <del>V</del>.

Wireless network is disconnected if it shows . Please pick Edit to reset the network configuration or pick Delete to get back to the first step.

## **AP Mode Setting**

| Enable                               |             |
|--------------------------------------|-------------|
| Network Name (SSID) CM4CCE-B2F9E5A9/ | AAC8-59AE6C |
| Encrypt Type OPEN                    | +           |
| Pass Phrase                          |             |

If you do not have network cable or you could not access your router's LAN port, you could connect the IP camera point to point by **AP mode** and then set up Wi-Fi.

If no network cable or Wi-Fi connected, the camera will be in **Wi-Fi Setting Mode** for 90 seconds after booting. After 90 seconds' **Wi-Fi Setting Mode**, the camera will reboot and be in **AP Mode** automatically. When the camera in **AP mode**, the indicator will flicker, indicator will be on 1.5 second and off 0.3 second in each flickering period. Then connect the camera's Wi-Fi signal of **Network Name (SSID)** by your PC with wireless adapter, run search tool and then set up Wi-Fi in web browser. For more details of Search Camera and Set up Wi-Fi connection, please check the manual above.

## Notice:

- 1. For security concern, enter a password is necessary.
- 2. The camera will disconnect Wi-Fi after enable AP mode.

#### **P2P Setting**

Change P2P password, P2P password is used to view the camera's live

video by mobile device. The default P2P password is 8888.

| UID:         | CM4CCE-B2F9E5A9AAC8-59AE6C  |  |
|--------------|---|--|
| P2P Password |   |  |
| P2P Server   | mycamdns.com<br>p2pcam.P2PLiveCam.com<br>112.124.40.254<br>54.200.199.150 |  |
| P2P Status   | Online Ousers online  |  |
| r Zr Glaids  | Save Cancel   |  |

## **Alarm Setting**

### AlarmSetting

| Obisabled     Obisabled     Oter Camera Bullid-In     Sensitivity     3     O |                      | Alarm Setting   |
|---|----------------------|-----------------|
| Sensitivity 3   | Motion Detection     |                 |
| Sensitivity 3   |                      | Oisabled        |
| IO Pont         IO Input Alarm         Input Mode         Ball Switch Alarm         Alarm Type         IO Port Output         On-Screen Display         Warning Tone         Video Recording  |                      | Camera Build-In |
| IO Input Alarm Input Mode Normal Open  Ball Switch Alarm IO Port Output IO Port Output On-Screen Display  Warning Tone Video Recording  | Sensitivity          | 3 🗸             |
| Input Mode Normal Open Ball Switch Alarm  Alarm Type IO Port Output On-Screen Display Warning Tone Video Recording  | IO POIL              |                 |
| Ball Switch Alarm   | IO Input Alarm       |                 |
| Alarm Type IO Port Output On-Screen Display Warning Tone Video Recording  | Input Mode           | Normal Open     |
| Alarm Type IO Port Output On-Screen Display Warning Tone Video Recording  |                      |                 |
| IO Port Output  | Ball Switch Alarm    |                 |
| On-Screen Display   | Alarm Type           |                 |
| Warning Tone 🛄<br>Video Recording   | IO Port Output       |                 |
| Video Recording   | On-Screen Display    |                 |
|   | Warning Tone         |                 |
| Email Alert   | Video Recording      |                 |
|   | Email Alert          |                 |
| FTP Upload Folder   | FTP Upload Folder    |                 |
| Back to Preset  | Back to Preset       | ▼               |
| Alert Interval (sec) 15   | Alert Interval (sec) | 15              |
| Schedule  |                      |                 |

| Motion Detection     | Enable or disable the motion detection alarm                    |
|----------------------|---|
| Sensitivity          | The sensitivity of the motion detection alarm which contains    |
|                      | 5 levels.   |
| IO Input Alarm       | Enable alarm input detection                                    |
| Input Mode           | *Select the input mode.   |
| IO Port Output       | *Output 5V with 300mA max                                       |
| On-Screen Display    | Notice on the screen during motion detection alarm which is     |
|                      | only available in IE browser.                                   |
| Warning Tone         | Alarm voice when the camera detects moving objects which        |
|                      | is only available for IE browser.                               |
| Video Recording      | Records to the computer when the camera detects moving          |
|                      | objects and this function only works in web browser live        |
|                      | page.   |
| Email Alert          | Sending alarm pictures to the specified email when the          |
|                      | camera detects the movements                                    |
| FTP Upload Folder    | Sending alarm pictures to FTP server set in advance when        |
|                      | the camera detects movement.                                    |
| Back to Preset       | Moves camera to a preset position once the camera detects       |
|                      | moving objects (this is only available for Pan/Tilt IP camera). |
| Alert Interval (sec) | Unit of time for periodic motion detection alarm which          |
|                      | includes picture and video alarm.                               |
| Schedule             | Specified motion detection period with 15 minutes a unit and    |
|                      | one week per cycle.   |

#### **Email Setting**

Once the motion detection alarm is enabled, camera will send snapshots to

the specified email when it detects the moving objects. There will be six

emails per time and one picture per email.

|                             | Email Setting  |
|-----------------------------|--|
|                             |  |
| Sender(xxx@xxx.xxx)         |  |
| Recipient[1](xxx@xxx.xxx)   |  |
| Recipient[2]                |  |
| Recipient[3]                |  |
| Recipient[4]                |  |
| SMTP Server                 |  |
| SMTP Port (default 25)      |  |
| Transport Layer Security    | Gmail support STARTTLS at 25/587 port and TLS at 465 port. |
| SMTP User                   |  |
| SMTP Password               |  |
| IP Address Reported by Mail |  |
|                             |  |
| Save                        | Save and Test Cancel                                       |

| Sender(xxx@xxx.xxx)         | Email address for sending the alarm email                         |
|-----------------------------|---|
| Recipient[1](xxx@xxx.xxx)   | 1st email address for receiving the alarm email                   |
| Recipient[2]                | 2nd email address for receiving the alarm email                   |
| Recipient[3]                | 3rd email address for receiving the alarm email                   |
| Recipient[4]                | 4th email address for receiving the alarm email                   |
| SMTP Server                 | Sending emails provider 's SMTP server address                    |
| SMTP Port (default 25)      | Service port of SMTP server                                       |
| Transport Layer Security    | Encryption protocol of SMTP Server                                |
| SMTP User                   | Sender email's login username                                     |
| SMTP Password               | Sender email's login password                                     |
| IP Address Reported by Mail | Sending the camera's external access URL to the recipient's email |

## E-mail Alarm Configuration

|                             | Email Setting      |                                    |   |
|-----------------------------|--------------------|------------------------------------|---|
| Sender(xxx@xxx.xxx)         | senbbox @gmail.com |                                    |   |
| Recipient[1](xxx@xxx.xxx)   | otherbox@gmail.com | 1                                  |   |
| Recipient[2]                |                    |                                    |   |
| Recipient[3]                |                    |                                    |   |
| Recipient[4]                |                    |                                    |   |
| SMTP Server                 | smtp.gmail.com     | @gmail.com                         | ~ |
| SMTP Port (default 25)      | 587                |                                    |   |
| Transport Layer Security    |                    | t 25/587 port and TLS at 465 port. |   |
| SMTP User                   | senbbox @gmail.com |                                    |   |
| SMTP Password               |                    |                                    |   |
| IP Address Reported by Mail |                    |                                    |   |
|                             |                    |                                    |   |
| Save                        | Save and Test      | Cancel                             |   |

**Sender** is your own email address. Since common email providers have a better service experience and the built-in email provider SMTP servers are easier to set up, you are strongly advised to use Gmail, Yahoo and other common email services as the sender email.

**Recipient** is the email to accept the email alerts and we suggest that you make it a different email from the sender email.

**SMTP Server:** The SMTP (short for Simple Mail Transfer Protocol) works like a post assistant, handling the sending of emails from the camera to an email server. SMTP Server receives outgoing mail messages from users to the mail recipients they are intended for.

If your sender email provider is a public server, you can search the IP address of the email provider's SMTP server or DDNS from Google. If your sender email provider is a private one, you can consult with the email provider's customer service.

**SMTP Port:** Service port of SMTP server which you can get with the above procedure Transport Layer Security: Encryption protocol of SMTP Server and you can also get it from the above procedure

**SMTP User:** The account you use to login to the SMTP server which is also the sender email address

**SMTP Password:** The password you use to login to the SMTP server which is also the sender email password

**IP Address Reported by Mail:** Once it is triggered, the latest external IP address will be sent to recipient's email as soon as the camera's WAN IP address changes.

Then click Save and Test. Once it says Success that means the camera has set up e-mail settings.

| 🕤 Test Google Chrome                   | _ <b>D</b> _ X  |
|--|-----------------|
| 192.168.2.233:82/test_res.asp?test=ema | il&chkid=441744 |
| Succeed                                |                 |

Go back to alarm settings and enable Email Alert to finfish the whole e-mail alert settings.

|                      | Alarm Setting       |
|----------------------|---------------------|
| Motion Detection     |                     |
|                      | Disabled            |
|                      | OIP Camera Build-in |
| Sensitivity          | 1 highest 🗸         |
| IO Port              |                     |
| IO Input Alarm       |                     |
| Input Mode           | Normal Open         |
| Alarm Type           |                     |
| IO Port Output       |                     |
| On-Screen Display    |                     |
| Warning Tone         |                     |
| Video Recording      |                     |
| Email Alert          |                     |
| FTP Upload Folder    |                     |
| Back to Preset       | ~                   |
| Alert Interval (sec) | 15                  |
| Schedule             |                     |
|                      |                     |
|                      | OK Cancel           |

#### Notice:

1. Please check the basic network settings of the camera if it failed the test, go back to Basic Operation for reference

2. There might be some delay for motion detection alarm since it is related to the network condition and the service quality of the sender email's provider. Thus it is beyond the control of IP camera.

3. If you still can not receive any email alert after getting the test email, please check your spam box and add your sender email address in the trust list of the recipient email once your find it in spam.

#### Tips:

The email alert is sent via sender email's provider server which is an SMTP server. Once the camera signs in to the SMTP server, the email alert will be delivered to the recipient email after getting SMTP server's authentication. Therefore, the sender email, recipient email and the SMTP server are all required.

## **FTP Setting**

FTP, short for File Transfer Protocol, is used to transfer files between computers on a network. You can upload camera's alarm snapshots to your FTP storage. Thus, there is no need to keep the computer on when the motion detection alarm is triggered.

|                       |      | FTP Setting   |  |  |
|-----------------------|------|---|--|--|
|                       |      |   |  |  |
| FTP Server            |      |   |  |  |
| FTP Port (default 21) |      |   |  |  |
| FTP User              |      |   |  |  |
| FTP Password          |      |   |  |  |
| FTP Upload Folder     |      |   |  |  |
|                       |      |   |  |  |
|                       | Save | Save and Test Cancel                                    |  |  |
| FTP Server            |      | FTP server's address                                    |  |  |
| FTP Port (default 21) |      | FTP server's port                                       |  |  |
| FTP User              |      | FTP server's username                                   |  |  |
| FTP Password          |      | FTP server's password                                   |  |  |
| FTP Upload Folder     |      | FTP server's subdirectory. Keep it blank if there is no |  |  |
|                       |      | subdirectory  |  |  |

#### **FTP Alarm Configuration**

|                       | FTP Setting  |
|-----------------------|--------------|
| FTP Server            | your.ftp.com |
| FTP Port (default 21) | 21           |
| FTP User              | username     |
| FTP Password          |              |
| FTP Upload Folder     | P            |

**FTP Server:** FTP server's IP address and DNS which could be required from FTP server provider.

**FTP Port:** Communication port of FTP server and the default port is 21.

**FTP User:** Username for you to sign in FTP server which could be required from FTP server provider.

**FTP Password:** Password for you to login FTP server which could be required from FTP server provider. **FTP Upload Folder:** File address in FTP server in which to save the alarm pictures. If it is left blank, the pictures will be kept in FTP's root directory.

Then click Save and Test. Once it says "Success" that means the camera has set FTP settings successfully.

| 🔊 Test Google Cł   | nrome 📃 🗖 💌 🗙                      |
|--------------------|------------------------------------|
| 192.168.2.233:82/t | test_res.asp?test=ftp&chkid=112561 |
|                    | Succeed                            |
| close              |                                    |
|                    |                                    |
|                    |                                    |

Go back to alarm settings and enable **FTP Upload Folder** to finfish the whole e-mail alert settings.

|                      | Alarm Setting       |
|----------------------|---------------------|
| Motion Detection     |                     |
|                      | ODisabled           |
| 0                    | OIP Camera Build-in |
| Sensitivity          | 1 highest 🗸 🗸       |
| IO Port              |                     |
| IO Input Alarm       |                     |
| Input Mode           | Normal Open         |
| Alarm Type           |                     |
| IO Port Output       |                     |
| On-Screen Display    |                     |
| Warning Tone         |                     |
| Video Recording      |                     |
| Email Alert          |                     |
| FTP Upload Folder    |                     |
| Back to Preset       | ~                   |
| Alert Interval (sec) | 15                  |
| Schedule             |                     |
|                      |                     |
|                      | OK Cancel           |

### Notice:

1. Please check the basic network settings of the camera if failed in test, go back to Basic Operation for reference

2. FTP server is offered by FTP provider. We does not provide FTP service. Web Hosting usually supports FTP.

3. Please make sure the camera is authorized to upload alarm pictures. For detailed information, please consult with the FTP server provider.

# Recording

|                            |                  | Recording Setting                           |        |
|----------------------------|------------------|---|--------|
| Recording Path             | D:\              |   | Browse |
| Alarm Recording Path       | D:\              |   | Browse |
| Note: The above setting is | s only available | for the administrator.                      |        |
| Recording Path             |                  | Camera's destination folder to record to    |        |
| Alarm Recording Path       |                  | Camera's alarm recording destination folder |        |

#### Notice:

If it does not work, please run IE **as administrator**. Right click IE browser and pick Run as Administrator

#### **Record SD card**

### **Rec Settings**

Enable or disable SD card record

|   | SD card record                    |
|---|-----------------------------------|
| SD card status                              |                                   |
|   | SD card capacity:14961MByte, Free |
|   | space:13337MByte. Format          |
|   | Recording                         |
|   | 11%                               |
| Record mode                                 |                                   |
|   | ONo record                        |
|   | Recording when alarm              |
|   | Oschedule                         |
|   |                                   |
| video_size                                  | 1280 X 720 🗸                      |
| Time of recording(each file 1 - 60 minutes) | 3                                 |
| Loop Recording                              |                                   |
| Record sound                                |                                   |
|   |                                   |
| OK  | Cancel                            |

| SD card Status    | The SD card's free space and total space                             |
|-------------------|--|
| Record mode       | Recording when alarm or by Schedule                                  |
| Video Size        | Choose the record quality  |
| Time of Recording | Set the record time length   |
| Loop Recording    | Whether delete the oldest record files if the SD card is almost full |
| Record Sound      | Enable record sound  |

## **Rec Files**

#### Check the record files in the SD card

|                              | Record Files  |                |      |
|------------------------------|---|----------------|------|
| SD card status               | SD card capacity:14961MByte, Free spa<br>Recording<br>11% | ce:13329MByte. |      |
| File Name                    | Time  | Size           |      |
| ipCamera-140911-172950-P.asf | 2014-09-11 17:29:51 - 2014-09-11 17:32:52                 | 28848 KBytes   | 08   |
| ipCamera-140911-173252-P.asf | 2014-09-11 17:32:53 - 2014-09-11 17:35:54                 | 14849 KBytes   | 08   |
| ipCamera-140911-173555-P.asf | 2014-09-11 17:35:56 - 2014-09-11 17:38:56                 | 15262 KBytes   | 08   |
| ipCamera-140911-173856-P.asf | 2014-09-11 17:38:56 - 2014-09-11 17:41:58                 | 15306 KBytes   | 08   |
| pCamera-140911-174158-P.ast  | 2014-09-11 17:41:59 - 2014-09-11 17:44:58                 | 15172 KBytes   | 08   |
| pCamera-140911-174459-P.asf  | 2014-09-11 17:45:00 - 2014-09-11 17:48:00                 | 15226 KBytes   | 08   |
| ipCamera-140911-174801-P.asf | 2014-09-11 17:48:01 - 2014-09-11 17:51:02                 | 15255 KBytes   | 08   |
| pCamera-140911-175103-P.asf  | 2014-09-11 17:51:04 - 2014-09-11 17:54:06                 | 15271 KBytes   | 08   |
| ipCamera-140911-175406-P.asf | 2014-09-11 17:54:06 - 2014-09-11 17:57:08                 | 15383 KBytes   | 08   |
| pCamera-140911-175709-P.asf  | 2014-09-11 17:57:10 - 2014-09-11 18:00:10                 | 15244 KBytes   | 08   |
| pCamera-140911-180011-P.asf  | 2014-09-11 18:00:12 - 2014-09-11 18:03:14                 | 15354 KBytes   | 08   |
| pCamera-140911-180314-P.asf  | 2014-09-11 18:03:14 - 2014-09-11 18:06:16                 | 15503 KBytes   | 08   |
| pCamera-140911-180616-P.asf  | 2014-09-11 18:06:17 - 2014-09-11 18:09:18                 | 33918 KBytes   | 08   |
| ipCamera-140911-180921-P.asf | 2014-09-11 18:09:21 - 2014-09-11 18:12:22                 | 45908 KBytes   | 08   |
| pCamera-140911-181223-P.asf  | 2014-09-11 18:12:24 - 2014-09-11 18:15:26                 | 44028 KBytes   | 08   |
| pCamera-140911-181527-P.ast  | 2014-09-11 18:15:27 - 2014-09-11 18:18:30                 | 44346 KBytes   | 00   |
|                              |   | << 1 2 3       | 4 >> |

Click  ${}^{\textcircled{0}}$  to download the record file and click  ${}^{\textcircled{0}}$  to delete the record file.

## **Multi Camera Monitor Configuration**

| Multi Camera Monitor Configuration   |                    |   |   |                   |         |
|--|--------------------|---|---|-------------------|---------|
| Device List in LAN<br>Camera 1 [local ca<br><u>Camera 2</u> Alias:<br>IP Address: Port<br>User Name: Passw<br><u>Camera 3</u> Alias:<br><u>Camera 4</u> Alias:<br><u>Camera 5</u> Alias:<br><u>Camera 6</u> Alias:<br><u>Camera 7</u> Alias:<br><u>Camera 8</u> Alias:<br><u>Camera 8</u> Alias: | amera]<br>IPCamera | IPCamera(192.1<br>IPCa(192.168.2.1<br>IPCamera(192.1<br>IPCamera(192.1<br>IPCamera(192.1)<br>Scan | 68.2.122.7777)<br>68.2.67:7778)<br>68.2.241:8899)<br>68.2.204:8088)<br>Add To | Camera 2          | Delete  |
| Device List in<br>Alias:<br>IP Address: P  | ort                | DDNS instea   | address and   | d port or you can | fill in |
| User Name: F   | assword            | Camera's us   | ername and  | password          |         |