



# WL-2600CAM

Wireless Pan-Tilt Night Vision  
IP Camera

## User's Manual



[www.airlive.com](http://www.airlive.com)

## BEFORE YOU USE THIS PRODUCT

This AirLive product has been designed with safety in mind. However, if not used properly electrical products can cause fires which may lead to serious body injury. To avoid such accidents, be sure to heed the following.

### **Legal Caution**

Video and audio surveillance can be forbidden by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

### **Heed the safety precautions**

Be sure to follow the general safety precautions and the "Operation Notice."

### **In case of a breakdown**

In case of system breakdown, discontinue use and contact your authorized AirLive dealer.

### **In case of abnormal operation**

- If the unit emits smoke or an unusual smell,
- If water or other foreign objects enter the cabinet, or
- If you drop the unit or damage the cabinet:
  - 1 Disconnect the cable and the connecting cables.
  - 2 Contact your authorized AirLive dealer or the store where you purchased the product.

### **Operation Notice - Operating or storage location**

Avoid operating or storing the camera in the following locations:

- Extremely hot or cold places (Operating temperature: 0 °C to +50 °C [32 °F to 122°F])
- Exposed to direct sunlight for a long time, or close to heating equipment (e.g., near heaters)
- Close to sources of strong magnetism
- Close to sources of powerful electromagnetic radiation, such as radios or TV transmitters
- Locations subject to strong vibration or shock

### **Ventilation**

To prevent heat buildup, do not block air circulation around the device.

### **Transportation**

When transporting the camera, repack it as originally packed at the factory or in materials of equal quality.

### **Cleaning**

- Use a soft, dry cloth to clean the external surfaces of the device. Stubborn stains can be removed using a soft cloth dampened with a small quantity of detergent solution, then wipe dry.
- Do not use volatile solvents such as alcohol, benzene or thinners as they may damage the surface.

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# Chapter 1 : Minimum System Requirement

We strongly recommend your computers follow our minimum requirements in order to use this IP-Camera normally. If computer level is lower than this, it might cause some problems.

Item	Requirements
CPU	Pentium 4 1600MHz (or equivalent AMD)
Graphic Card	64 MB RAM graphic cards(or equivalent on-board graphic cards)
RAM	512 MB
Operating System	Windows 98, Windows ME (Please see Note) Windows2000, 2003, XP, Vista, Mac OS X Leopard
Web Browser	Internet Explore 6 or later

**Note:**

1. If you are using Windows 98 or Windows ME, please install IP Installer before using WEB UI to ensure the system runs normally.
2. If you can't view the record video file, please install Xvid codec while installing Intelligent IP Installer. (For Windows 98, ME or 2000 server, the codec might not work properly. You'll need to download Xvid codec 1.0 from the internet.
3. Please always update the latest Windows component. (.Net Framework, Windows Media Player, Enhance ActiveX Security)

# Chapter 2 : Using IP Camera via Web Browser

## 2.1 Windows Web Browser

1. Start your web browser, and enter the IP address or host name of the IP camera in the Location / Address field of your browser.

**Note :**

If you only want to view the video without setting page, enter “<http://<IP>/index2.htm>” as your web URL.

2. Use the default account “admin” and default password “airlive”.

**Note :**

The default user name “admin” and the password are set at the factory for the administrator. You can change them in the Account Menu (Please check “Setting → Basic → Security → Account”)



3. The monitor image will be displayed in your browser. In the far left side of main configuration are Setting, Client Setting, and Image Setup and PT control. For more details, you can check Chapter 6.2 · Chapter 6.3 · Chapter 6.4 and Chapter 6.5.

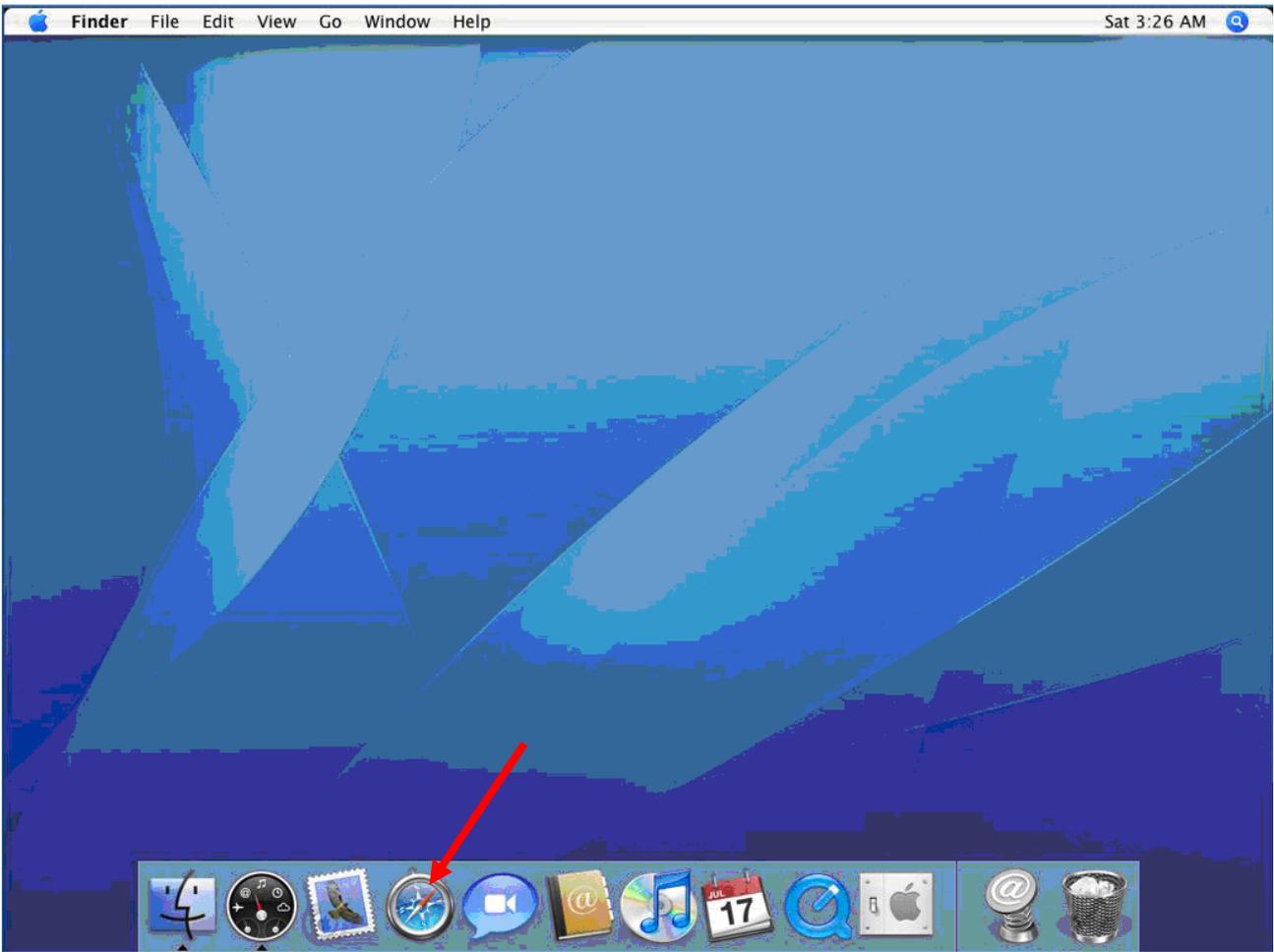


## 2.2 Mac Web Browser

1. Click the Safari icon, and enter the IP address of the IP camera in the Location / Address field of your browser.

**Note :**

If you only want to view the video without setting page, enter “<http://<IP>/index2.htm>” as your web URL.



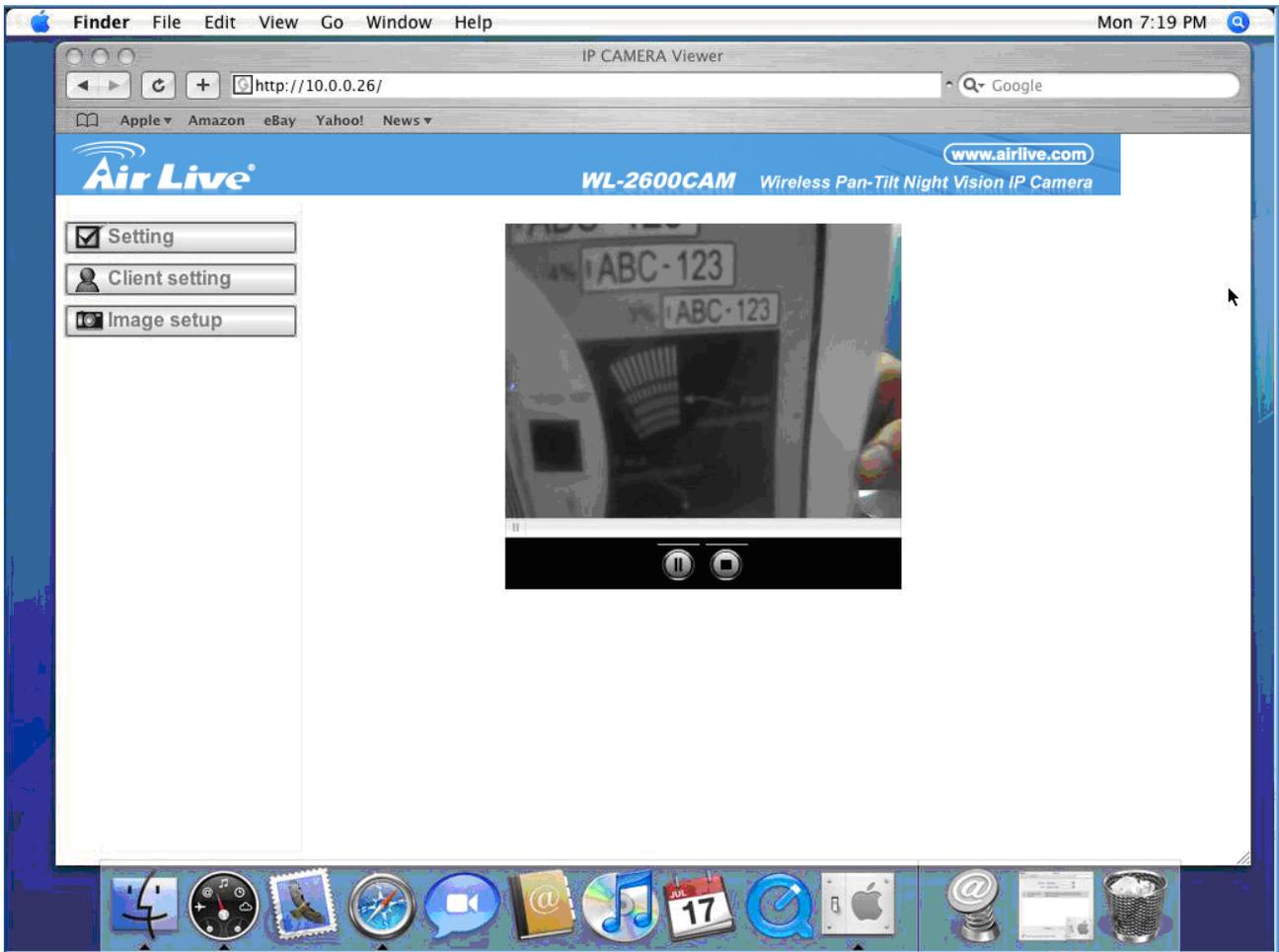
## 2. Use the default account “admin” and default password “airlive”.

### Note :

The default user name “admin” and the password are set at the factory for the administrator. You can change them in the Account Menu (Please check “Setting → Basic → Security → Account”)



3. The monitor image will be displayed in your browser. In the far left side of main configuration are Setting, Client Setting, and Image Setup and PT control. For more details, you can check Chapter 6.2 \ Chapter 6.3 \ Chapter 6.4 and Chapter 6.5.

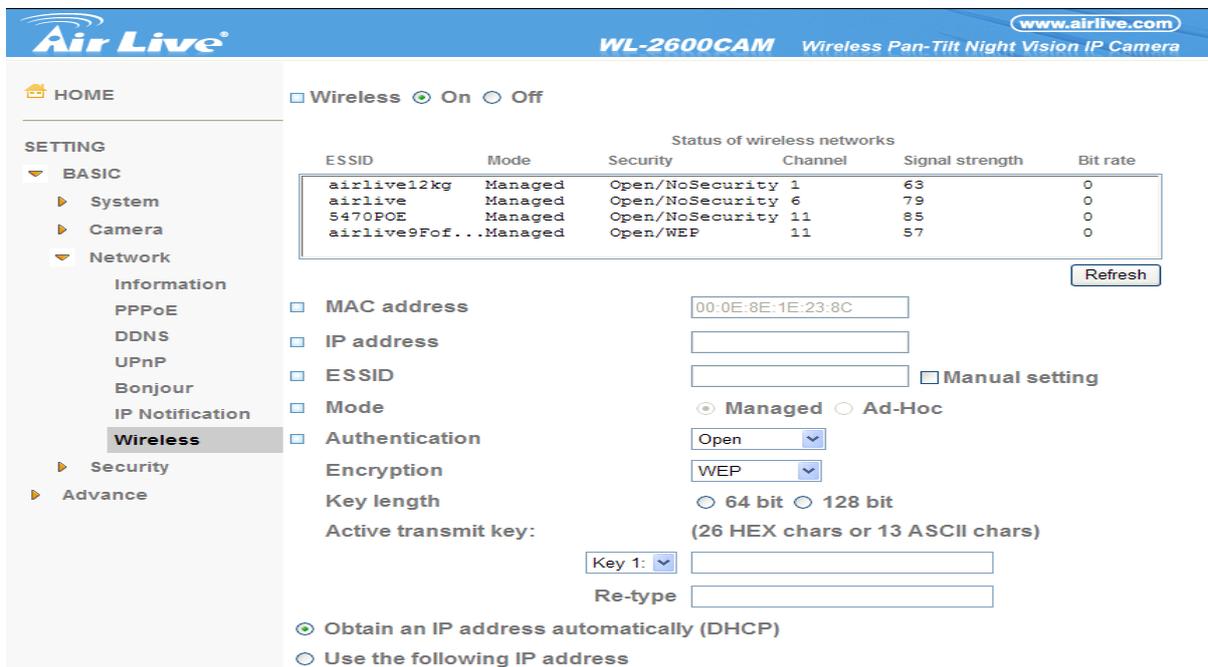


# Chapter 3 Setting up Wireless Configuration

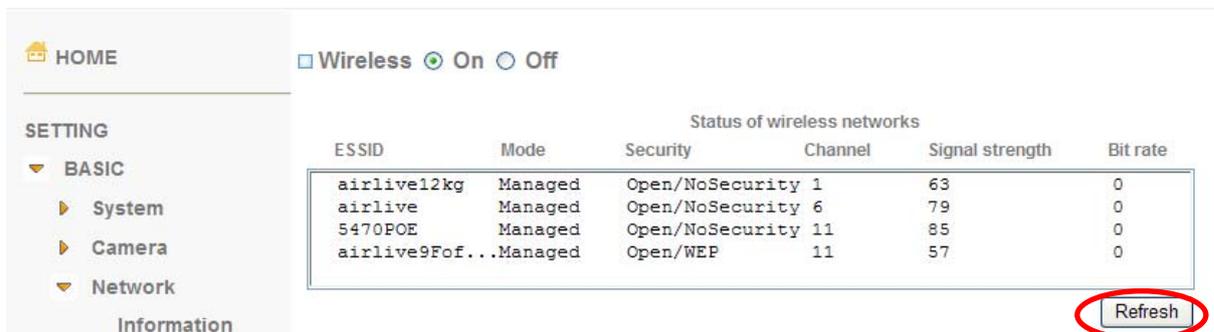
The wireless network has to be set up by using cable network connection. After setting the camera correctly, the wireless function can work without cable network connection. Please follow the setting process below step by step:

1. Connect IP Camera with Ethernet connection. (Check chapter 7.3.6 for more details)
2. Go to Setting → Basic → Network → Wireless choose option “On”. You will see the wireless setting page.

2. Go to “Setting→Basic→Network→Wireless”, set the Wireless option to “ON” .



3. Then click “Refresh”. All access points (AP) around you will show up.



4. Select the AP you wish to connect.
5. Enter password at active transmit key if you need. If you don't know the setting of the wireless AP, please ask your network administrator.

HOME

Wireless  On  Off

SETTING

BASIC

- System
- Camera
- Network
  - Information
  - PPPoE
  - DDNS
  - UPnP
  - Bonjour
  - IP Notification
  - Wireless**
  - Security
  - Advance

Status of wireless networks

ESSID	Mode	Security	Channel	Signal strength	Bit rate
airlive12kg	Managed	Open/NoSecurity	1	63	0
airlive	Managed	Open/NoSecurity	6	79	0
5470POE	Managed	Open/NoSecurity	11	85	0
airlive9Fof...	Managed	Open/WEP	11	57	0

Refresh

MAC address: 00:0E:8E:1E:23:8C  
 IP address:   
 ESSID:   Manual setting  
 Managed  Ad-Hoc  
 Authentication: Open  
 Encryption: WEP  
 Key length:  64 bit  128 bit  
 Active transmit key: (26 HEX chars or 13 ASCII chars)  
 Key 1:    
 Re-type:    
 Obtain an IP address automatically (DHCP)  
 Use the following IP address

6. Choose the option of Obtain an IP address automatically (DHCP).

7. Choose the option of Obtain DNS server address automatically.

Obtain an IP address automatically (DHCP)  
 Use the following IP address

IP address:   
 Subnet mask:   
 Default gateway:

Use the following DNS server address

Primary DNS server:   
 Secondary DNS server:

OK Cancel

- Use the following IP address: Select this when the fixed IP address is set.
  - IP address: Enter the IP address of the device.
  - Subnet mask: Enter the subnet mask.
  - Default gateway: Enter the default gateway.
  
- Use the following DNS server address: Select this when you set the fixed address as the IP address of DNS server.
  - Primary DNS server: Enter the IP address of the primary DNS server.
  - Secondary DNS server: Enter the IP address of the secondary DNS server, if necessary.

8. Connect to the IP camera with wireless IP address, then you can remove the Ethernet connection.

# Chapter 4 : Using IP Camera via Mobile Phone

## 4.1. Using IP Camera via iPhone

You can use AirLive Web User Interface via iPhone. Please follow the setting process below.

Then you can use AirLive web UI via iPhone.

1. Select Safari function



2. Type IP address in your web link.



3. Type name and password.  
Default value is **admin / airlive**.  
Then click Login In



4. The AirLive User Interface and live image will show up in the middle of screen.



## 4.2. Mobile Phone Viewing

To use IP cameras via mobile phones, please make sure your RTSP is set to “On” (Default is “On”).

To change the settings of IP cameras, **Please check “Settings → Basic → Camera → General.”**

**Note:** The image is continuous snapshots not video. Therefore, you can't record live image here.

### 4.2.1. 3G Mobile Phone Streaming Viewing

For 3G mobile phone viewing, type “ [rtsp://<IP>:<PORT>/video.3gp](#) ” into your 3G Streaming Link.

<IP> is the Public IP address of your IP camera; <PORT> is the RTSP port of your IP camera (Default value is 554.) Example: [rtsp://100.10.10.1:554/video.3gp](#)

**Note:** You can also use RTSP clients (RealPlayer, VLC, QuickTime Player...etc.) to view RTSP streaming, just type in “[rtsp://<IP>:<PORT>/video.3gp](#)” as the Player URL

### 4.2.2. 2.5G Mobile Phone WAP Viewing

For 2.5G mobile phone viewing, type “ [<IP>/mobile.wml](#) ” into your 2.5G WAP Browser.

<IP> is the Public IP address of your IP camera.

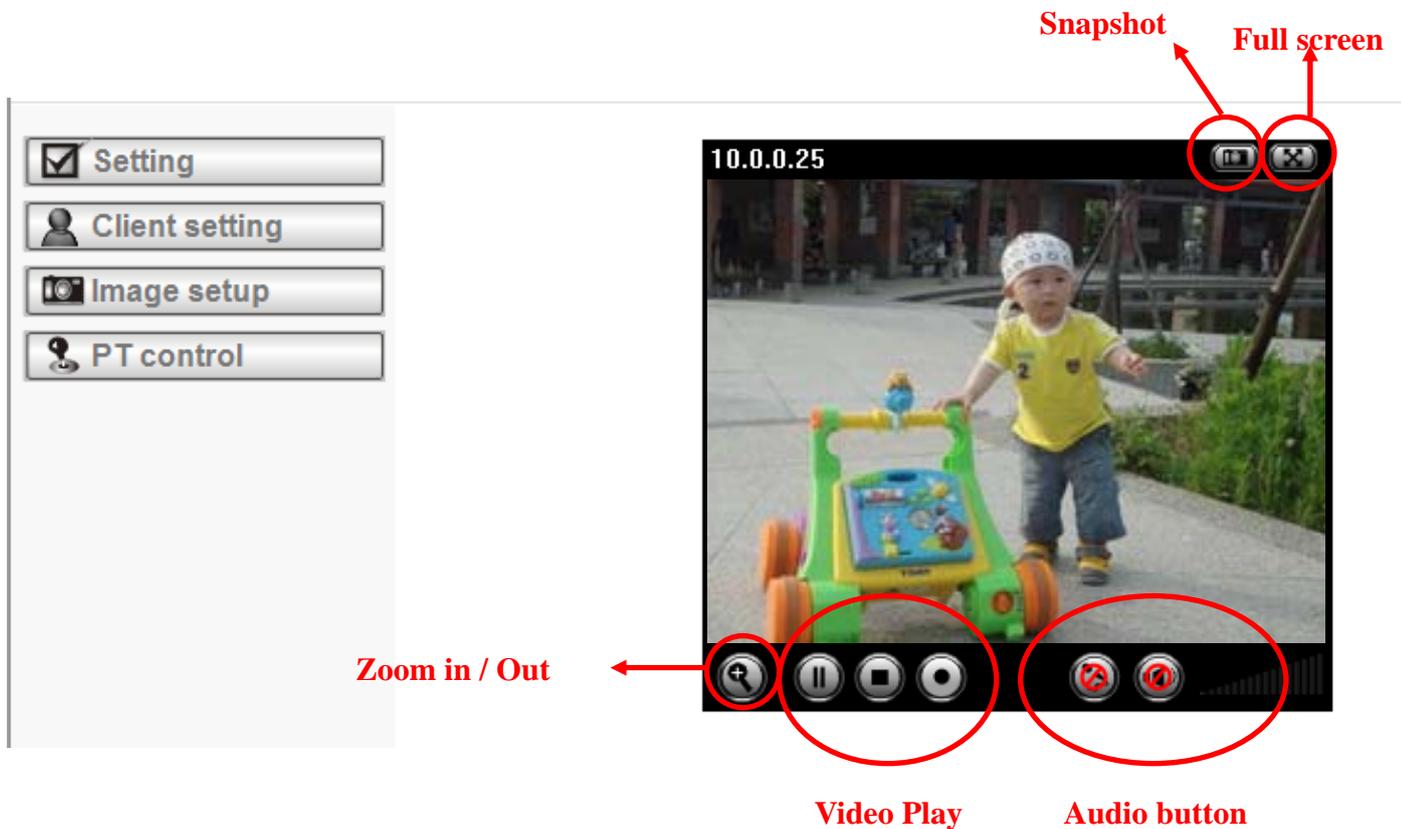
### 4.2.3. 2.5G Mobile Phone Browser Viewing

For 2.5G mobile phone viewing, type “ [<IP>/mobile.htm](#) ” into your 2.5G Web Browser.

<IP> is the Public IP address of your IP camera.

# Chapter 5 : Configuration of Main Menu

In the far left side of main configuration are Setting, Client Setting, Image Setup and PTZ control. For more details, you can check Chapter 6.2 、 Chapter 6.3 、 Chapter 6.4. 、 Chapter 6.5.



In your right hand side, you can use Live View in your main Browser. There are Snapshot, Zoom and Audio and Video Play four different function. You can see more details as follow.

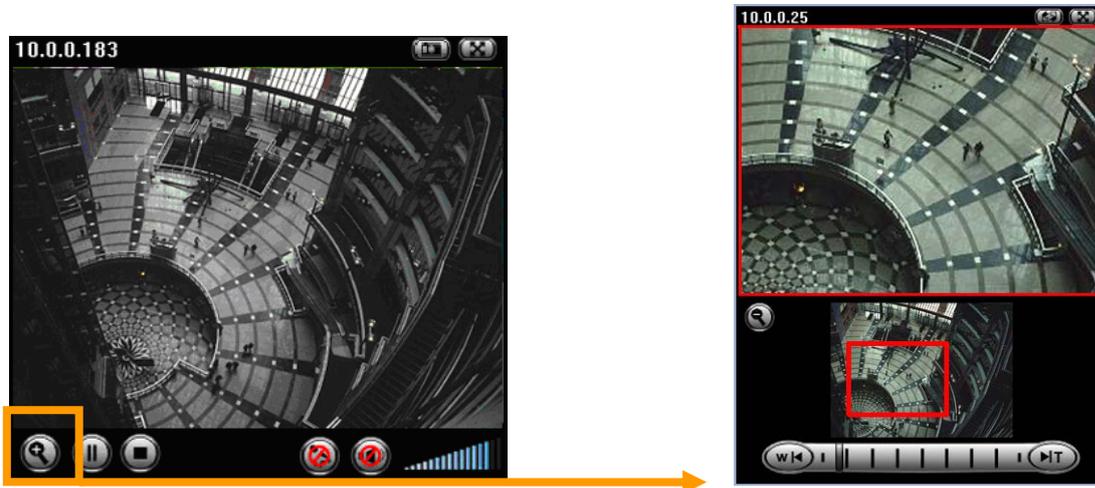
## 5.1 Live View

### A. Snapshot

You can capture a still image shot by the camera and save it in your computer.

Symbols	Meaning
	a snapshot window will appear
Save	to save the picture in your computer
Close	to return to the view page
	full Screen

### B. Zoom in / out the image via the monitor window

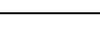


- Click  to display the digital zoom in window.
- Pull the  to adjust the digital zoom range, and it will be showed on the above window.
- You can use the left click of your mouse to move the  to any where on the window.

### C. Video play buttons

Symbols	Meaning
	Pause the current video
	Play the video
	Stop the current video
	Record the current video

### D. Audio buttons

Symbols	Meaning	Note
	Speakers turned on	mean the speakers of your computer are turned on to transmit the sounds from the connected IP camera(s)
	Speakers turned off	
	Microphone turned on	mean you can broadcast to the connected IP camera(s) via the Ethernet using your microphone
	Microphone turned off	
	Volume control bar	

## 5.2 Setting



This function is only for the Administrator. Click this button to get into the Basic and Advance settings



Click Basic folder, there are four sub-folders including System, Camera, Network, and Security. Fore more information, you can see Chapter 7.1 、 Chapter 7.2 、 Chapter 7.3 and Chapter 7.4.

Click Advance folder, there are four sub-folders including PT control, Preset position, Patrol, FTP Client, SMTP, HTTP event, Alarm output, Schedule, Alarm input, Motion Detection, and System Log. Fore more information, you can see Chapter 8.1 、 Chapter 8.2 、 Chapter 8.3 、 Chapter 8.4 、 Chapter 8.5 、 Chapter 8.6 、 Chapter 8.7 、 Chapter 8.8 、 Chapter 9.9 、 Chapter 8.10 and Chapter 8.11.

## 5.3 Client Setting

This function is only for the client.

Click this button to control Mode, View Size, Protocol, and Video Buffer.



### 5.3.1 Mode

Click the pull-down box to choose between MPEG4 and MJPEG video compression mode.

MJPEG streaming is unavailable if RTSP mode is "On."

(Please check Setting → Basic → Camera → General)

**Note :** MJPEG streaming is unavailable if RTSP mode is On.

### 5.3.2 View Size

Select the desired display image resolution to 640X480 or 320X240.

### 5.3.3 Protocol

Select the transferring protocol from TCP, UDP, HTTP and Multicast.

### 5.3.4 Video Buffer

Turn the Video Buffer function ON / OFF. The Video Buffer function makes the streaming more smoothly in unsteady network environment, but might cause a little delay in live viewing.

## 5.4 Image Setup



### 5.4.1 Brightness

The higher value the brightness is, the brighter the image is.

### 5.4.2 Contrast

The contrast is a measure of a display system, defined as the ratio of white to black that the system is capable of producing. The higher value the contrast is, the more delicate of color you can have.

### 5.4.3 Saturation

The saturation of a color is determined by a combination of light intensity and how much it is distributed across the spectrum of different wavelengths. The higher value the saturation is, the more colorful the image will be.

### 5.4.4 Hue

Hue is one of the three main attributes of perceived color, affected by different wavelength of color. With higher value of hue, color will be much more vivid.



### 5.4.5 Default

After the adjustment of all setting, you can still click Default to make the setting back to the original setting.

## 5.5 PT Control



### 5.5.1 Pan / Tilt / Home control buttons

Click the arrow button of the direction you want the IP camera to move.



### 5.5.2 Other camera control functions



**Preset:** Move the camera toward the **preset** direction.

**Patrol:** Before you start this function, you need to specify **Guard tour settings** in the **Setting Menu** under **Advance / Patrol** setting.

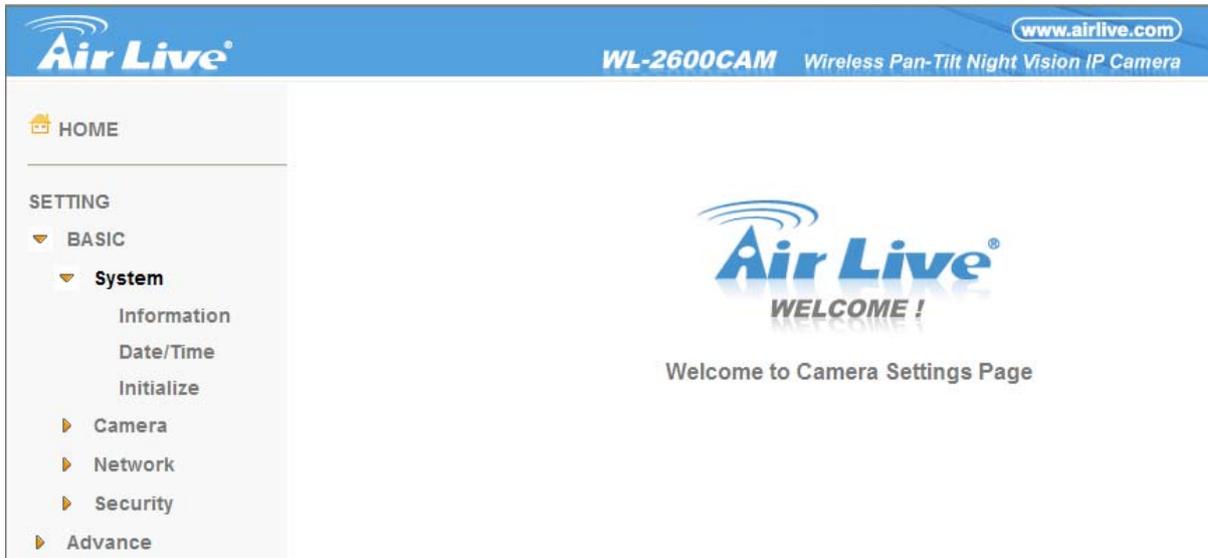
# Chapter 6 : Setting-Basic

Click the folder of **Basic** to display the sub folders including **System, Camera, Network, and Security.**



## 6.1 System

Click the folder of **System** to display the sub-folders including **Information, Date / Time, and Initialize.**



## 6.1.1 Information

The Information page provides the product factory information which includes **Product Name**, **Firmware Version** and **Web Version**.

The screenshot displays the web interface for the AirLive WL-2600CAM. The top header is blue and contains the AirLive logo on the left, the model name 'WL-2600CAM' and the product description 'Wireless Pan-Tilt Night Vision IP Camera' in the center, and the website 'www.airlive.com' on the right. A left-hand navigation menu is visible, with 'HOME' at the top, followed by 'SETTING'. Under 'SETTING', 'BASIC' is expanded to show 'System', 'Information' (which is highlighted), 'Date/Time', and 'Initialize'. Below 'System', there are links for 'Camera', 'Network', 'Security', and 'Advance'. The main content area shows three expandable sections: 'Product name' with the value 'Wireless Pan-Tilt Night Vision IP Camera', 'Firmware version' with the value 'LM.1.6.16.03 Thu Oct 30 22:27:45 CST 2008', and 'Web version' with the value 'LM.1.6.16.03'.

Setting	Value
Product name	Wireless Pan-Tilt Night Vision IP Camera
Firmware version	LM.1.6.16.03 Thu Oct 30 22:27:45 CST 2008
Web version	LM.1.6.16.03

## 6.1.2 Date / Time

The Date/ Time page displays all options of time setting.

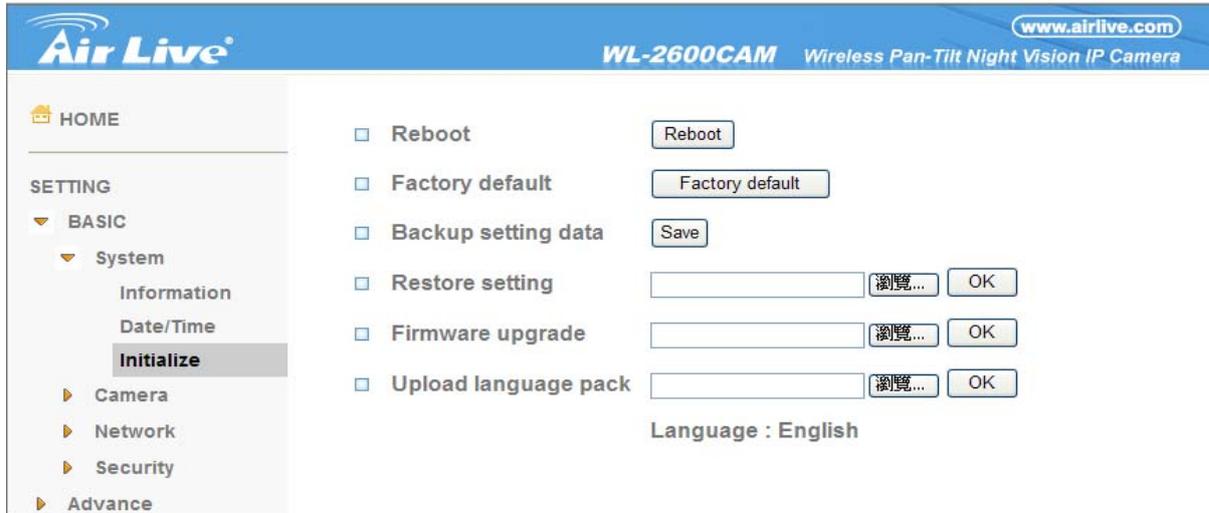
The screenshot shows the 'Date/Time' configuration page for the AirLive WL-2600CAM. The interface includes a sidebar with navigation options and a main content area with various time-related settings. The 'Adjust' section is expanded, showing options for 'Keep current setting', 'Synchronize with PC', 'Manual setting', and 'Synchronize with NTP'. The 'Synchronize with NTP' option is selected, and the 'Auto' checkbox is checked. The 'Time zone' is set to '(GMT+08:00)Taipei'.

- **Current date / time:** This displays the current date and time of this IP Camera.
- **PC clock:** This displays the date and time of the monitoring PC clock.
- **Date / Time format:** You can click the pull down box to select different time display formats.
- **Adjust:** You can select one of those four adjusting modes for your IP Camera.
  - **Keep current setting:** Select this mode to keep the current date and time of this IP Camera.
  - **Synchronize:** Select this mode to keep the date and time of this IP Camera is the same as the monitoring PC.
  - **Manual setting:** Select this mode to adjust manually the date and time of this IP Camera.
  - **Synchronize with NTP:** Specify the NTP server name and the Refresh Interval to synchronize the date and time of this IP Camera with those of the time server, known as the NTP server.
- **Time Zone:** You can select the Time Zone of the format from Greenwich Mean Time. The time will display the same as the current date / time option.

### Note:

**The NTP server (Network Time Protocol) is the time server which is an Internet standard protocol built on the top of TCP / IP. This assures accurate synchronization to the millisecond of computer clock times in a network of computers.**

### 6.1.3 Initialize



➤ **Reboot:** Click this bottom to reboot this IP Camera. A confirmation dialogue will appear and then click “OK” to process. It takes two minutes to reboot this IP Camera.

➤ **Factory Default:** Click this bottom to reset this IP Camera to the factory default setting. A confirmation dialogue will appear and then click “OK” to process. The network indicator on this IP Camera will start to blink. This IP Camera will reboot automatically after completing adjustments to the default setting. Don't turn off this IP Camera until the device reboots.

➤ **Backup Setting:** You can save the setting data of this IP Camera into a file. Click “Save” and follow the instructions on the browser to save the setting data file to your specified location.

➤ **Restore Setting:** Download the saved setting data of this IP Camera. Click “Browse” and select saved file. Click “OK” and this IP Camera is adjusted according to the loaded data and then restarted.

➤ **Firmware Update:** Upgrade the device software. Click “Browse” and select the file for upgrading. A confirmation dialogue will appear. Click “OK” to start upgrading. This IP Camera will reboot upon completion.

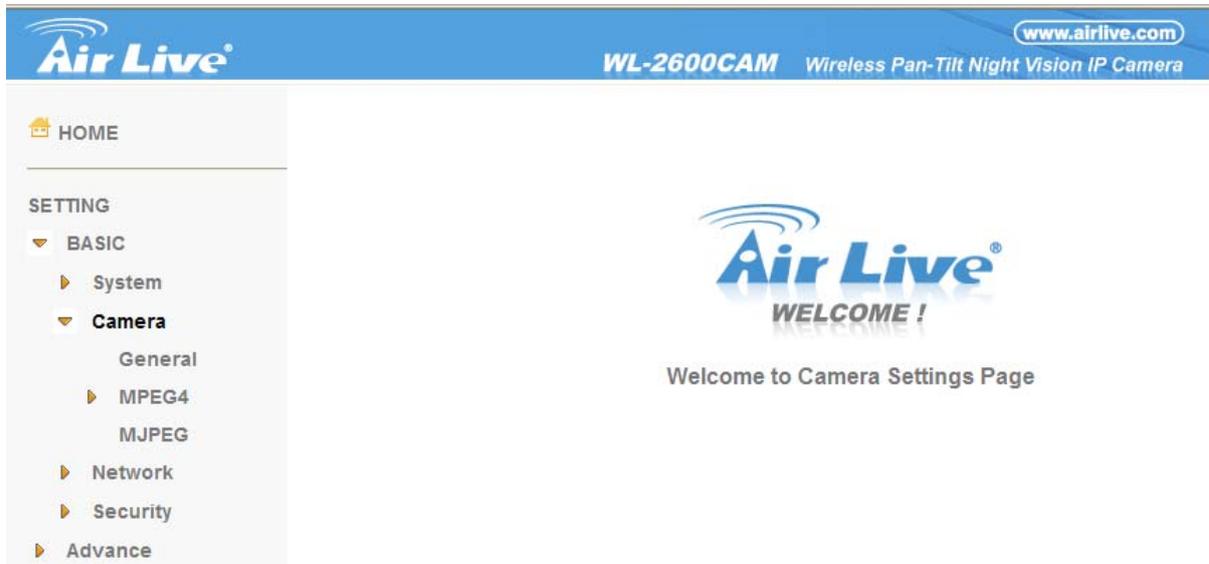
#### Note:

**Use only upgrade files that are special for this IP Camera. Otherwise problems may occur. Don't turn off the IP Camera power or disconnect the network until the upgrading is completed.**

➤ **Upload Language Pack:** Upgrade the device language pack. Click “Browse” and select the file for upgrading. A confirmation dialogue will appear. Click “OK” to start upgrading. The upgrade is applied immediately. The default language is “English.”

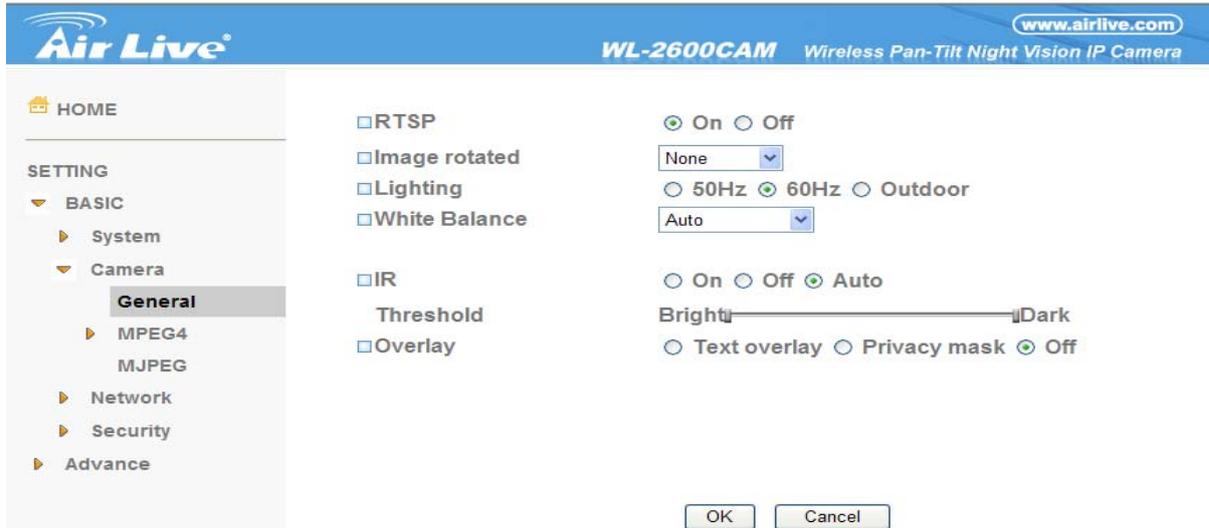
## 6.2 Camera

Click the folder of **Camera** to display the sub folders including **General**, **MPEG4** and **MJPEG**.



The screenshot displays the web interface for the AirLive WL-2600CAM. At the top, a blue header contains the AirLive logo on the left, the model name "WL-2600CAM" and the description "Wireless Pan-Tilt Night Vision IP Camera" in the center, and the website "www.airlive.com" on the right. Below the header is a navigation menu on the left with the following items: HOME, SETTING, BASIC (with a dropdown arrow), System, Camera (with a dropdown arrow), General, MPEG4, MJPEG, Network, Security, and Advance. The main content area on the right features the AirLive logo with the text "WELCOME !" below it, and the message "Welcome to Camera Settings Page" centered below the logo.

## 6.2.1 General



- **RTSP** : Switch On / Off

**Note:** RTSP (Real Time Streaming Protocol) is a protocol for use in streaming media system which allows clients to remotely control a streaming video server. RTSP is supported by most of the media clients such as Real Player, QuickTime and VLC...etc.

- **Image Rotate:** You can mirror or flip the display screen.
- **Night Mode:** You can choose Auto / Off. **If you choose Auto option**, the camera will adjust automatically to perform well when the environment is dark
- **Lighting:** You can choose the environment among 50 Hz, 60 Hz, and Outdoor.
- **White Balance:** You can choose the white balance to Auto, Florescent, Incandescent and Black & White.
- **IR:** You can turn LEDs light On / Off and Auto. **If you select Auto mode**, you can adjust threshold for LEDs Auto-On and Auto-Off respectively. In the right hand side of threshold, if the tool bar is closer to the right, the LEDs will auto-on easily in the dark environment. Conversely, in the left hand side of threshold, if the tool bar is more approach to the left, the LEDs will auto-off easily in the bright environment.
- **Overlay:**
  - Text Overlay: You can see some information on the display screen which includes Date / Time and user-defined text. Also, you can change the background color.
  - Privacy Mask: You can cover a specific area of the video image.

## 6.2.2 MPEG4

### A. Computer View

The screenshot shows the AirLive WL-2600CAM web interface. The left sidebar contains a navigation menu with the following items: HOME, SETTING, BASIC, Camera (with sub-items: General, MPEG4, Computer view, Mobile view, MJPEG), Network, Security, and Advance. The main content area is titled 'MPEG4' and contains the following settings:

- RTSP
  - RTSP port:  554  8554 (1024 ~ 65535)
  - Viewer authentication:  On  Off
- RTP
  - Unicast streaming
    - Port range:  (1024 ~ 65532) ~  (1027 ~ 65535)
  - Multicast streaming:  On  Off
  - Multicast address:
  - Video port:  Auto  6000 (1024 ~ 65535)
  - Audio port:  Auto  7000 (1024 ~ 65535)
  - Time-To-Live:  (1 to 255)
- Image Size:
- Frame rate:  fps
- Quality
  - Auto
  - Fixed quality:
  - Fixed bitrate:  kbps

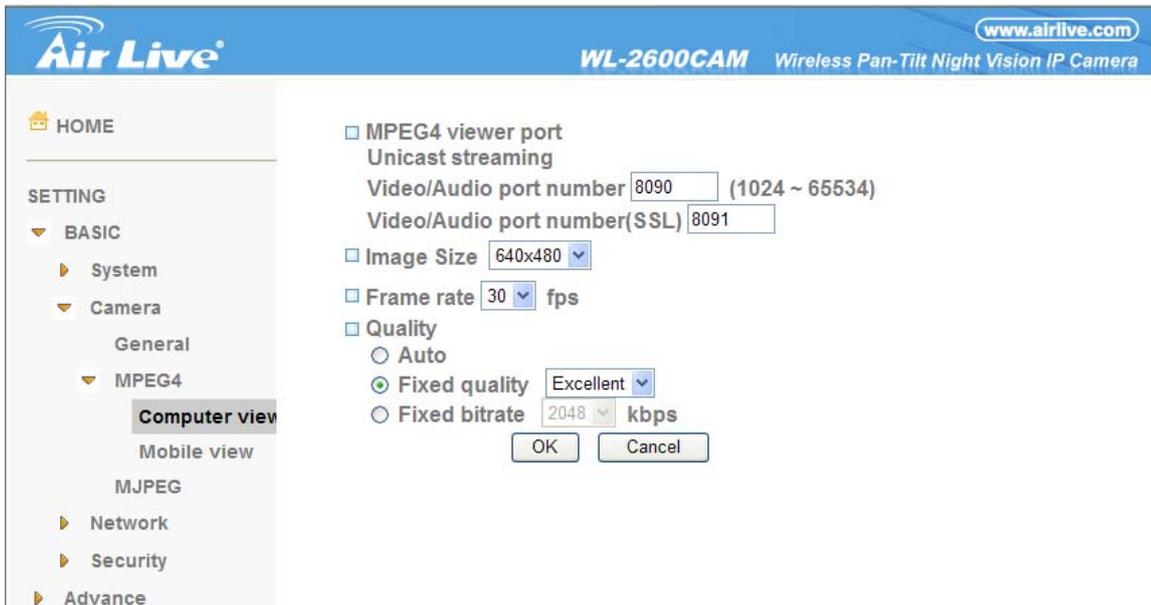
Buttons for 'OK' and 'Cancel' are located at the bottom of the settings area.

- **RTSP (if RTSP mode is On, please check “Setting → Basic → Camera → General”)**
  - RTSP Port: Specify the transmission port number of RTSP streaming. The default value is 8554.
  - Viewer Authentication: If the viewer authentication is On, the users will be requested to key-in username and password when viewing through RTSP.
- **RTP (if RTSP mode is On, please check “Basic → Camera → General”)**
  - Unicast Streaming Video / Audio Port Range: Specify the transmission port range of RTP streaming video. RTP will select a port randomly from the range.
  - Multicast Streaming (If it is ON)
  - Multicast Address: Specify the multicast server address.
  - Video / Audio Port: Specify the transmission port number of the video data. Specify an even number from 1024 to 65534.
  - Time to Live: Set the maximum TTL that multicast can pass through.
- **MPEG4 view port (if RTSP mode is Off, please check “Basic → Camera → General”)**
  - Unicast Streaming Video / Audio Port Number: Specify the transmission port number of the video data. It is initially set to 8090. You can specify an even number from 1024 to 65534.
- **Image Size:** Specify the image size when the network camera transmits. You can choose among 640 x 480, 320 x 240 and 160 x 120.
- **Frame Rate:** Set the frame rate of the MPEG4 image. You can choose values from 5, 10, 15, 20,

25, and 30 fps. The unit “fps” stands for “frames per second”.

➤ **Quality:**

- Auto: The quality and bitrate will be adjusted automatically according to the frame rate.
- Fixed Quality: You can select the value of quality among Medium, Good, Delicate and Excellent.
- Fixed Bitrate: Set the bitrate of MPEG4 image transmission for a line. You can select the values from 64, 128, 256, 384, 512, 768, 1024, 1280, 1536, and 2048 kbps.



➤ **MPEG4 view port (if RTSP mode is Off, please check “Basic → Camera → General”)**

- Unicast Streaming **Video / Audio Port Number**: Specify the transmission port number of the video data. It is initially set to 8090. You can specify an even number from 1024 to 65534. If you change the setting of Video / Audio Port Number, the setting of Video / **Audio Port Number (SSL) will change automatically.**

## B. Mobile View

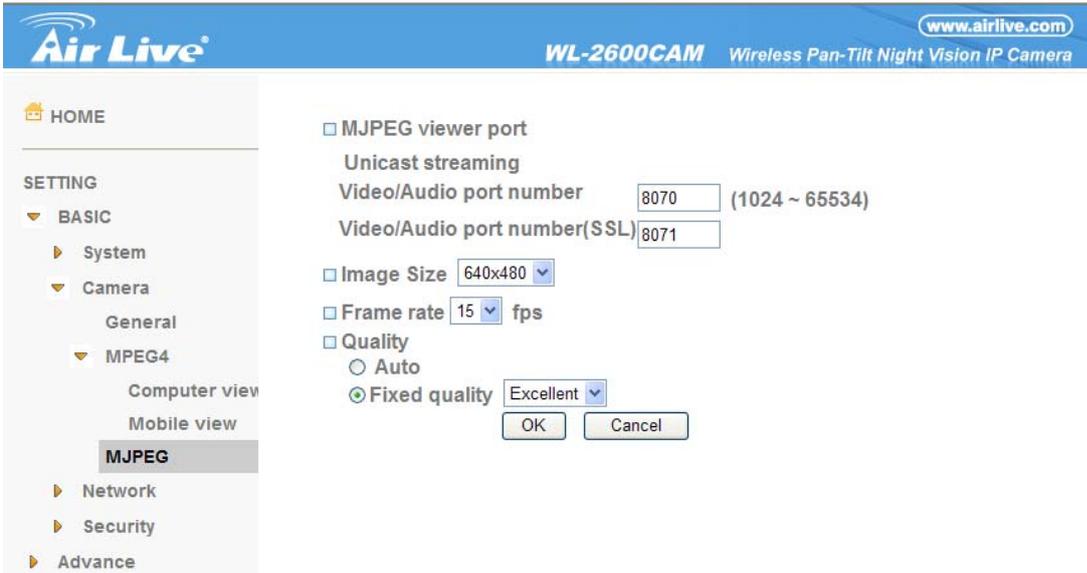
The screenshot displays the configuration interface for the AirLive WL-2600CAM. The 'Mobile view' option is selected in the left-hand menu. The main configuration area includes the following settings:

- RTSP:**  RTSP, RTSP port: 554 (range 1024 ~ 65535)
- RTP:**  RTP, Unicast streaming: Port range 9000 (1024 ~ 65532) ~ 11999 (1027 ~ 65535); Multicast streaming:  On  Off; Multicast address: 226.0.0.1; Video port:  Auto  10000 (1024 ~ 65535); Audio port:  Auto  11000 (1024 ~ 65535); Time-To-Live: 15 (1 to 255)
- Image Size:**  Image Size: 160x120
- Frame rate:**  Frame rate: 5 fps
- Quality:**  Quality:  Auto,  Fixed quality: Excellent,  Fixed bitrate: 64 kbps

Buttons for 'OK' and 'Cancel' are located at the bottom of the settings area.

- **RTSP (if RTSP mode is On, please check “Setting → Basic → Camera → General”)**
  - RTSP Port: Specify the transmission port number of RTSP streaming. The default value is 554.
- **RTP (if RTSP mode is On, please check “Setting → Basic → Camera → General”)**
  - Unicast Streaming Video / Audio Port Range: Specify the transmission port range of RTP streaming video. RTP will select a port randomly from the range.
  - Multicast Streaming (If it is On)
    - ✓ Multicast Address: Specify the multicast server address.
    - ✓ Video / Audio Port: Specify the transmission port number of the video data. It is initially set to 10000 and 11000. Specify an even number from 1024 to 65534.
    - ✓ Time to Live: Set the maximum TTL that multicast can pass through.
- **Image Size:** The image size of Mobile View is fixed at 160 x 120.
- **Frame Rate:** Set the frame rate of the MPEG4 image. You can choose values from 5, 10, 15, 20 fps. The unit “fps” stands for “frames sent per second”.
- **Quality:**
  - Fixed Bitrate: Set the bitrate of MPEG4 image transmission for a line. You can select the value from 64, 32, 16 kbps.

## 6.2.3 MJPEG



### ➤ MJPEG Viewer Port:

- Unicast Streaming Video / Audio Port Number: Specify the transmission port number of the video data. It is initially set to 8070. You can specify an even number from 1024 to 65534.

➤ **Image Size:** Specify the image size when the network camera transmits. You can choose among 640 x 480, 320 x 240 and 160 x 120.

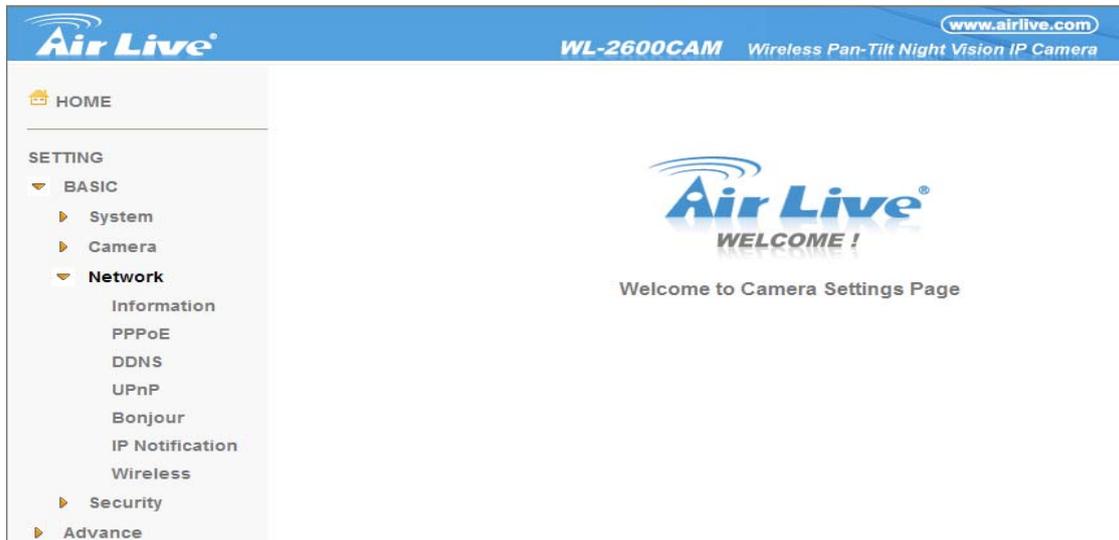
➤ **Frame Rate:** Set the frame rate of the MJPEG image. You can choose values from 5, 10, 15 fps. The unit “fps” stands for “frames per second”.

### ➤ Quality:

- Auto: The quality will be automatically decided.
- Fixed Quality: You can select the value of quality among Medium, Standard, Good, Delicate and Excellent

## 6.3 Network

Click the folder of **Network** to display the sub folders including **Information, PPPoE, DDNS, UPnP, Bonjour, IP Notification, Wireless and Messenger.**



### 6.3.1 Information

Display the MAC address of the device.

The screenshot shows the web interface for the AirLive WL-2600CAM. The top navigation bar includes the AirLive logo, the model name 'WL-2600CAM', and the description 'Wireless Pan-Tilt Night Vision IP Camera'. A sidebar on the left contains a menu with 'HOME', 'SETTING', 'BASIC', 'System', 'Camera', 'Network', 'Information' (highlighted), 'PPPoE', 'DDNS', 'UPnP', 'Bonjour', 'IP Notification', 'Wireless', 'Security', and 'Advance'. The main content area displays network configuration options: 'MAC address' with a text box containing '00:1B:FE:00:5A:15'; radio buttons for 'Obtain an IP address automatically (DHCP)' (selected) and 'Use the following IP address'; radio buttons for 'Obtain DNS server address automatically' (selected) and 'Use the following DNS server address'; and 'HTTP port number' with radio buttons for '80' (selected) and an empty text box, with '(1024 to 65535)' in parentheses. 'OK' and 'Cancel' buttons are at the bottom.

➤ **Obtain an IP address automatically (DHCP):** If a DHCP server is installed on the network, to select this while the IP address is assigned by the DHCP server.

➤ **Obtain DNS server address automatically:** Select this to obtain the address of DNS server automatically.

- **Use the following IP address:** Select this when the fixed IP address is set.
  - IP address: Enter the IP address of the device.
  - Subnet mask: Enter the subnet mask.
  - Default gateway: Enter the default gateway.
  
- **Use the following DNS server address:** Select this when you set the fixed address as the IP address of DNS server.
  - Primary DNS server: Enter the IP address of the primary DNS server.
  - Secondary DNS server: Enter the IP address of the secondary DNS server, if necessary.
  
- **HTTP port number:** Select **80** in general situations. If you want to use a port number other than **80**, select the text box and enter a port number between 1024 and 65535.
  - When you have set the HTTP port number to a number other than 80 on the Network setting page or in the Setup Program, access the device by typing the IP address of the device on the web browser as follows: Example: when HTTP port number is set to 2000  
http://192.168.1.100:2000/

**Note:** The IP Camera needs to be rebooted after it finishes changing the network setting completely.

**Note:** If you connect the IP Camera with your computer directly, the default network domain of camera is 192.168.1.x

### 6.3.2 PPPoE (Point-to-Point Protocol over Ethernet)

If your ISP provides Dynamic IP with authentication by username and password, type all PPPoE information in this part. When you use the PPPoE function, you need to turn on the DDNS or IP Notification function at same time.

The screenshot shows the AirLive WL-2600CAM web interface. The left sidebar has a 'SETTING' menu with 'Network' expanded to 'PPPoE'. The main content area shows the PPPoE configuration. At the top, there is a checkbox for 'PPPoE' which is checked, followed by radio buttons for 'On' (selected) and 'Off'. Below this are four input fields: 'IP address' (containing '0.0.0.0'), 'User ID', 'Password', and 'Re-type password'. There are two radio buttons for DNS server address: 'Obtain DNS server address automatically' (selected) and 'Use the following DNS server address'. At the bottom, there are 'OK' and 'Cancel' buttons.

- **IP address:** The IP address obtained at the PPPoE connecting with network.
- **User ID:** Enter the user ID for authentication necessary for PPPoE connections. Type it up to 64 characters.
- **Password:** Enter the password for authentication necessary for PPPoE connections. Type it up to 32 characters.
- **Re-type password:** Re-type the password to confirm.
- **Obtain DNS server address automatically:** Select this to obtain the address of DNS server automatically.

The screenshot shows the AirLive WL-2600CAM web interface. The left sidebar has a 'SETTING' menu with 'Network' expanded to 'PPPoE'. The main content area shows the PPPoE configuration. At the top, there is a checkbox for 'PPPoE' which is checked, followed by radio buttons for 'On' (selected) and 'Off'. Below this are four input fields: 'IP address' (containing '0.0.0.0'), 'User ID', 'Password', and 'Re-type password'. There are two radio buttons for DNS server address: 'Obtain DNS server address automatically' and 'Use the following DNS server address' (selected). Below the second radio button are two input fields: 'Primary DNS server' (containing '0.0.0.0') and 'Secondary DNS server' (containing '0.0.0.0'). At the bottom, there are 'OK' and 'Cancel' buttons.

➤ **Use the following DNS server address:** Select this when you set the fixed address as the IP address of DNS server.

- Primary DNS server: Enter the IP address of the primary DNS server.
- Secondary DNS server: Enter the IP address of the secondary DNS server.

**Note :**

**1. PPPoE (Point-to-Point Protocol over Ethernet):** PPPoE is a network protocol for encapsulating Point-to-Point Protocol frames inside Ethernet frames. PPPoE connection is used mainly with ADSL service where individual users connect to the ADSL transceiver (modem) over Ethernet work. It is also widely used in XDSL (digital affiliate line such as ADSL, VDSL or SDSL)

**2. The IP Camera needs to be rebooted after it finishes changing the network completely.**

**3. The IP Camera with Intelligent IP Installer can't be founded after turning on the PPPoE and reboot.**

### 6.3.3 DDNS (Dynamic DNS)

DDNS is a system which allows the domain name data held in a name server to be updated in real time. The most common use for DDNS is allowing an internet domain name to be assigned to a computer with a varying / dynamic IP Address. This makes it possible for other sites on the internet to establish connection to the machine without needing to track the IP Address themselves.



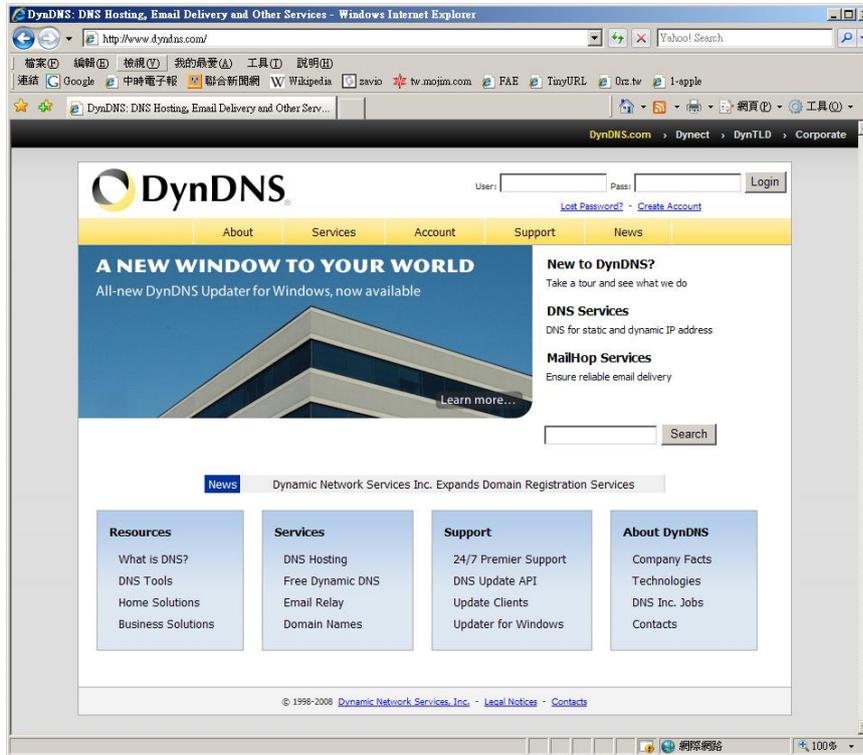
- **Server name:** Choose the DDNS Server from the list.
- **User ID:** Enter the user ID for authentication necessary for DDNS connections. Type it up to 64 characters.
- **Password:** Enter the password for authentication necessary for DDNS connections. Type it up to 32 characters.
- **Re-type password:** Re-type the password to confirm.
- **Host name:** Enter the host name that is registered to the DDNS server.

**Note :**

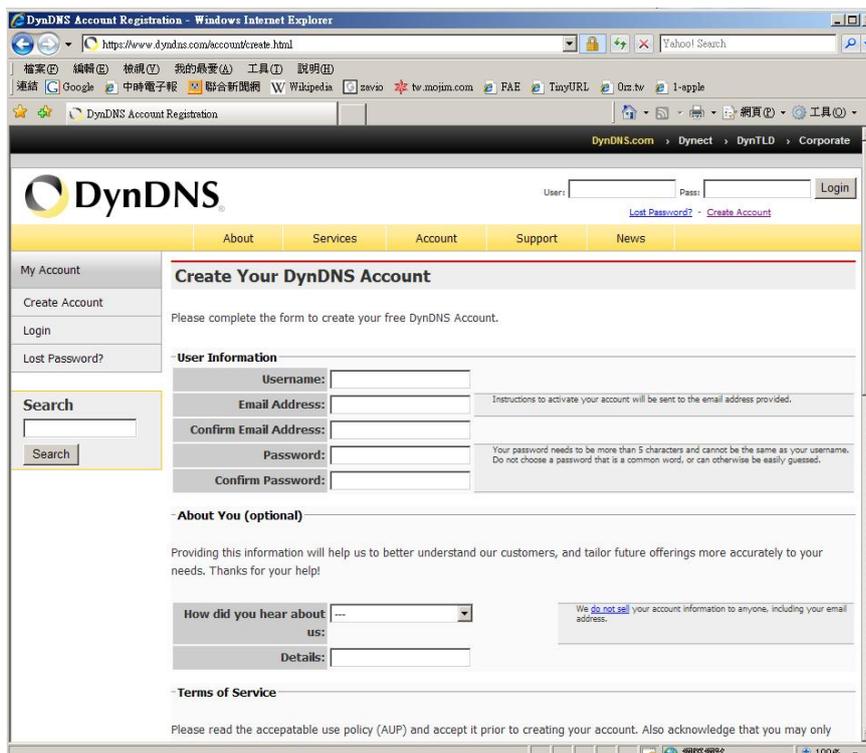
**How to apply DDNS username and Host name??**

You can apply DDNS username and Host name by the following steps:

1. Login <http://www.dyndns.org>, click the **Create Account**



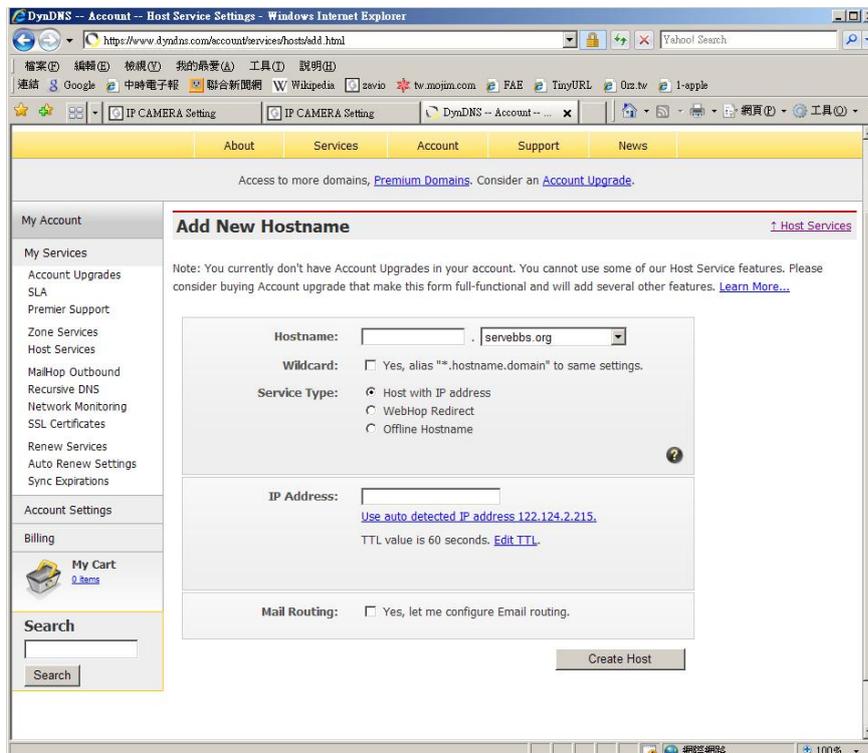
2. Input all information and follow step by step with DynDNS



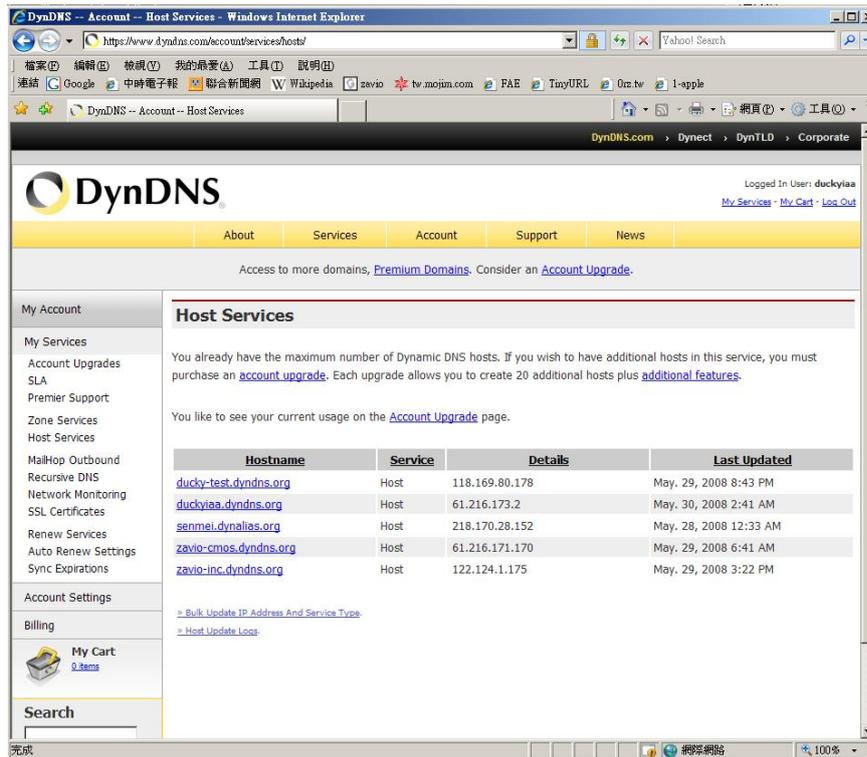
### 3. Login with new account and click Account → My Hosts → Add Host Services



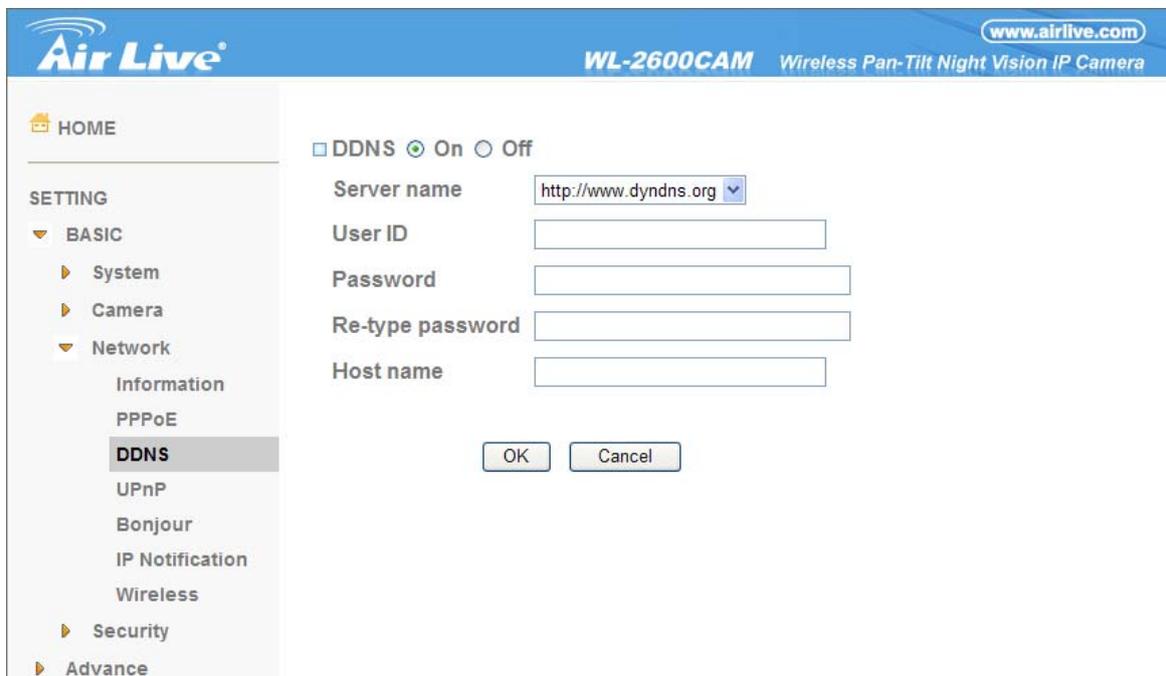
### 4. Type domain in the Hostname field and select sub-domain



5. After typing information, check your DDNS service.



6. Type your DDNS User ID, Password and Host name in Setting → Network → DDNS. After completing setting, reboot IP Camera.



### 6.3.4 UPnP (Universal Plug and Play)

If you have a Router to access to internet and the Router supports UPnP IGD function, you need to turn on the UPnP Port Forwarding function.

The screenshot displays the configuration page for the UPnP (Universal Plug and Play) port forwarding function on the AirLive WL-2600CAM. The interface includes a sidebar with navigation options like HOME, BASIC, System, Camera, Network, Information, PPPoE, DDNS, UPnP (selected), Bonjour, IP Notification, Wireless, Security, and Advance. The main area shows the UPnP status as 'On' and the 'Turn On UPnP port forwarding' checkbox checked. Below this, several port configuration options are listed with their current values and valid ranges (1024 ~ 65535): HTTP port (80), SSL Port (443), MPEG4 viewer port (8090), MPEG4 viewer port(SSL) (8091), MJPEG viewer port (8070), MJPEG viewer port(SSL) (8071), and MPEG4 RTSP port (Computer view: 8050, Mobile view: 8030). 'OK' and 'Cancel' buttons are located at the bottom of the configuration area.

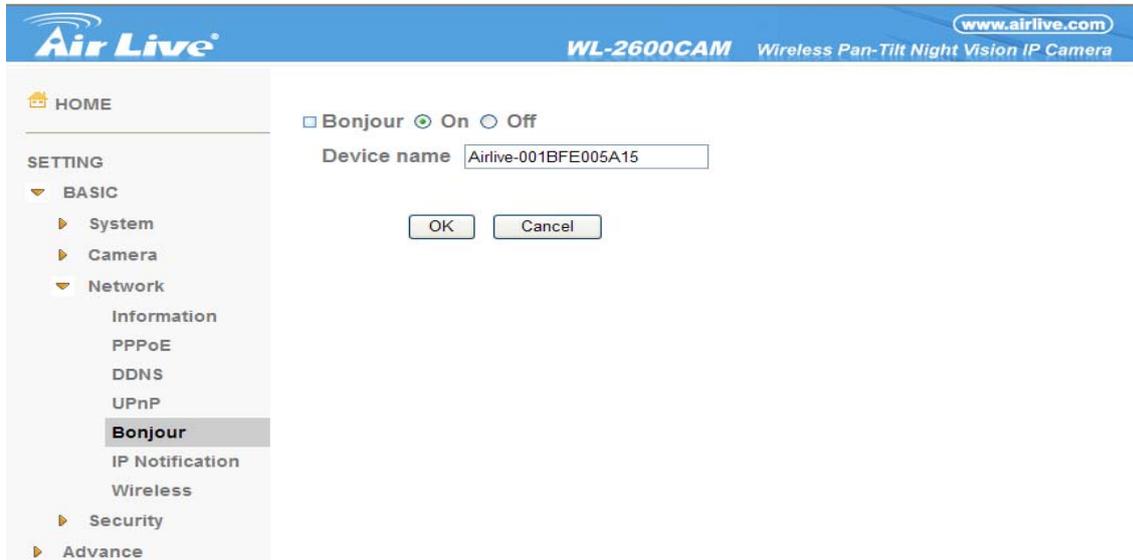
- **HTTP port:** Enter the HTTP port number and default HTTP port is 80.
- **SSL port:** Enter the SSL port number and default SSL port is 443.
- **MPEG4 viewer port:** Enter the MPEG4 viewer port number and default MPEG4 viewer port is 8090.
- **MPEG4 viewer port (SSL):** Enter the MPEG4 SSL viewer port and default is 8091.
- **MJPEG viewer port:** Enter the MJPEG viewer port number and default MJPEG viewer port is 8070.
- **MJPEG viewer port (SSL):** Enter the MPEG4 SSL viewer port and default is 8071.
- **MPEG4 RTSP port:** Enter the MPEG4 RTSP port, default value is 8050 for computer view, 8030 for mobile view.

**Note :**

**UPnP (Universal Plug and Play):** UPnP is a set of computer network protocol. It allows devices to connect seamlessly and simplify the implementation of networks in the home and corporate environments. The device supports UPnP which is enabled by default. The device will be automatically detected and a new icon will be added to “My Network Place” if it also enables on your computer. It provides Port Forwarding for opening a port in a router or firewall in a private network in order to let a party from the outside world contact a inside user.

### 6.3.5 Bonjour

Bonjour, also known as zero-configuration networking, enables automatic discovery of computers, devices, and services on IP networks. Bonjour uses industry standard IP protocols to allow devices to automatically discover each other without the need to enter IP addresses or configure DNS servers.



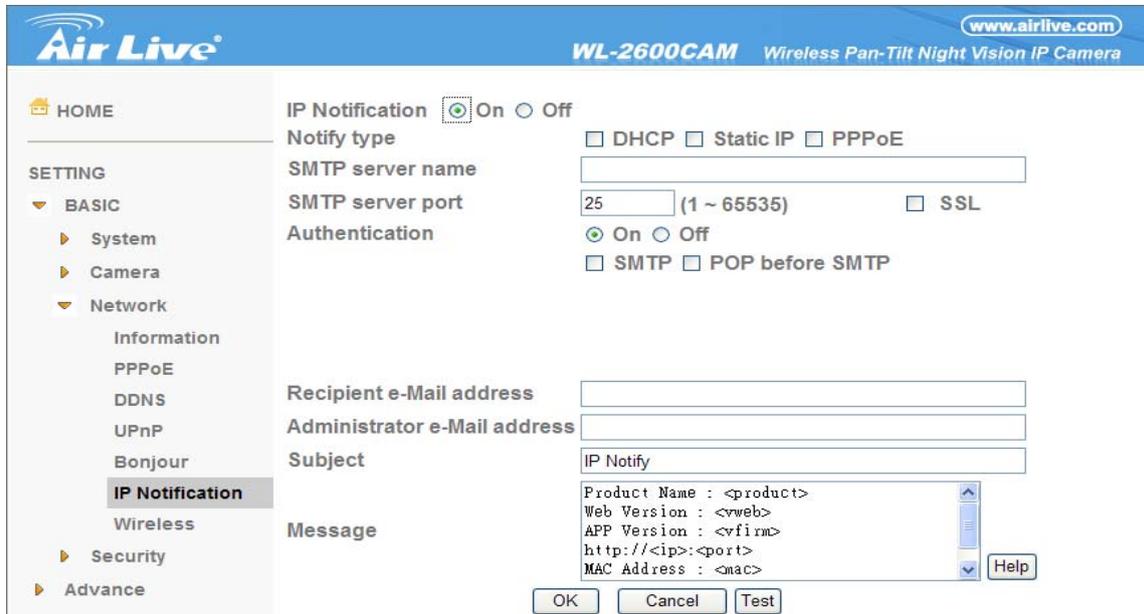
➤ **Device Name:** Enter Device Name you wish.

**Note:** How to use Bonjour in your Windows Browser UI? Please check the link below:

<http://www.apple.com/support/downloads/bonjourforwindows.html>

### 6.3.6 IP Notification

When network notify type is set to “ON”, you can send an e-mail notification of the completion of the network setting.



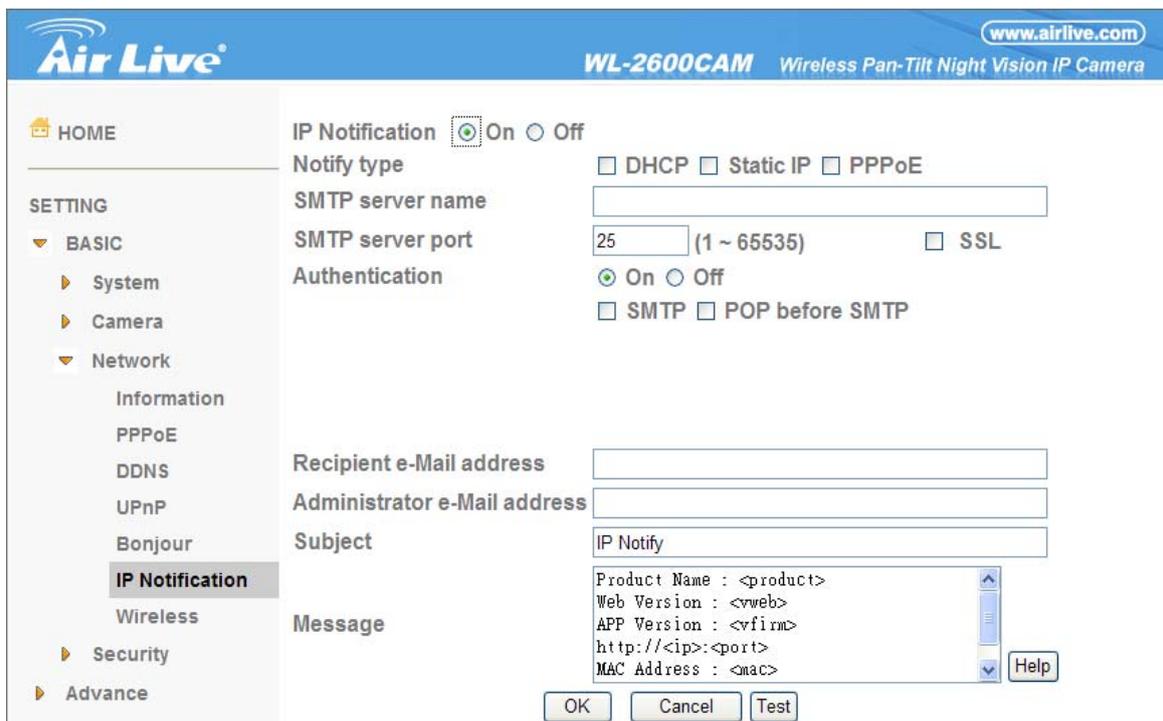
- **Notify Type:** You can select the notify type among DHCP, Static IP, and PPPoE.
- **SMTP Server Name:** Type the SMTP server name up to 64 characters, or the IP address of the SMTP server.
- **SMTP Server Port:** You can set port number from 1~65535 according to your mail server. The default value is 25.

- Security setting: Tick SSL box if the mail server you use has security restriction.

**Note:**

**If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.**

- **Authentication:** Select the authentication required when you send an email.
  - Off: Select if no authentication is necessary when an email is sent.
  - On: When authentication is necessary an e-mail is sent, there are **SMTP, POP before SMTP or both** three options.

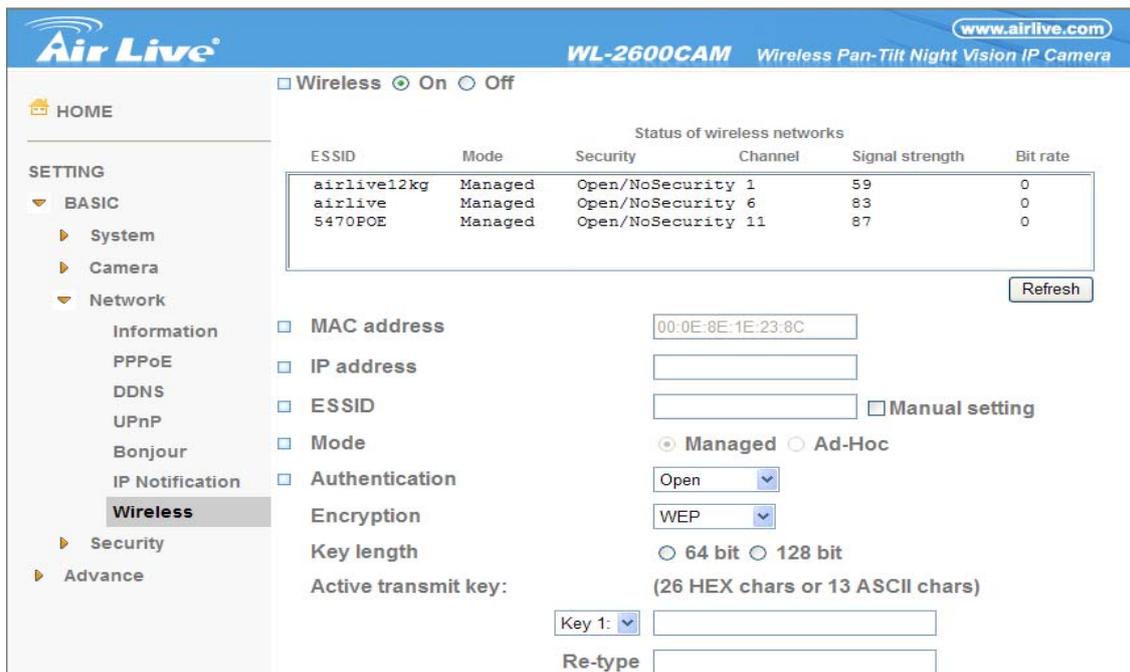


- **Authentication:** Select the authentication required when you send an email.
  - Off: Select if no authentication is necessary when an email is sent.
  - On: When authentication is necessary an e-mail is sent, there are **SMTP, POP before SMTP or both** three options.
- **SMTP:** Select if SMTP authentication is necessary when an e-mail is sent.
- **POP before SMTP:** Select if POP before SMTP authentication is necessary when an e-mail is sent.
  - POP server name:** It is necessary when the **POP before SMTP** is selected in **Authentication**. Type the POP (receiving mail) server name up to 64 characters, or type the IP address of the POP server. This setting is necessary when the SMTP server which sends e-mails performs authentication using the POP user account.
  - User name, Password:** Type the user name and Password of the user who has the mail account. This setting is necessary when the SMTP server which sends e-mails performs authentication.
- **Recipient e-mail address:** Type the recipient e-Mail address up to 64 characters. You can specify up to three recipient E-mail addresses.
- **Administrator e-mail address:** Type the Administrator e-Mail address up to 64 characters. This address is used for reply mail and sending system messages from the SMTP server.
- **Subject:** Type the subject/title of the e-Mail up to 64 characters. With respect to mail which is sent according to the IP notification.
- **Message:** Type the text of the E-mail up to 384 characters. Default value provides network

information including IP, Port, MAC, Model, Firmware Version and Web Version.

### 6.3.7 Wireless

The wireless network has to be set up by using cable network connection. After setting the camera correctly, the wireless function can work with cable network connection. Wireless settings must be the same as the access point or ad-hoc device. When changing the settings they should always be made first in the camera and then in the wireless access point. This ensures that the camera is always accessible when making changes.



#### ➤ Status of Wireless Network

This list is the result of network scan. The network is currently linked to will be shown in blue. The following information is provided.

- **ESSID** - The name of a wireless network (or ad-hoc device). If the same name occurs several times this means that several access points for that network were found. The camera cannot be configured to only associate with one particular access point.
- **Mode** - Shows if the network type is Master (access point or router) or Ad-Hoc (another client).
- **Security** - Shows which type of security the network uses. See below for the security types supported by the camera.
- **Channel** - Shows the wireless channel currently in use.
- **Signal strength** - Shows the signal strength.
- **Bit rate** - Shows the bit rate in Megabit/s. This can only be shown for the access point currently in use. Note that the bit rate shown is the current rate, and that this value may vary over time.

#### ➤ Wireless Setting

These settings control how the camera interacts with the wireless network. It is also possible to

enable wireless encryption apart from identifying the wireless network.

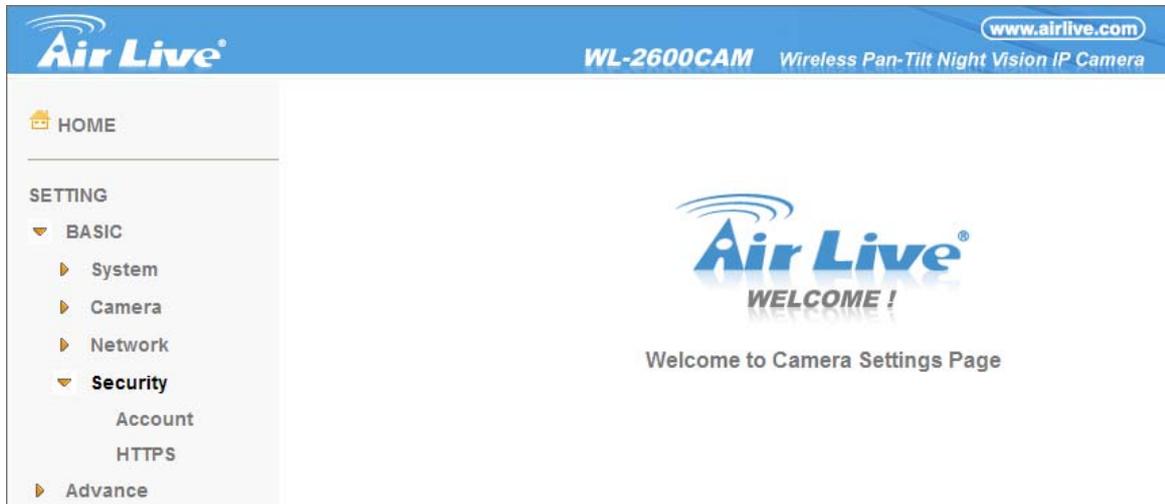
- **IP Address** – This displays blank, 0.0.0.0 or IP Address. When it is blank, the camera doesn't establish physical link with access point yet. The 0.0.0.0 means that physical link was established but trying to get IP address. When it displays IP address, then user can use wireless network.
- **ESSID (ESSID is sometimes written as SSID.)** - This is the name of the wireless network the camera is configured for. The field accepts up to 32 alphanumeric characters. The name must be exactly the same as that used in the wireless access point or the connection will not be established.
- Leaving this field blank means the camera will attempt to access the nearest open network.
- **Mode** - Setting this to **Managed** means the camera will attempt to access the nearest open access point. The **Ad-hoc** option allows the camera to connect to other wireless devices clients.

**Note :**

1. **WPA-/WPA2-PSK (Wi-Fi Protected Access - Pre-Shared Key)** the camera uses a pre-shared key (PSK) to initiate WPA security. The pre-shared key is entered on the access point and on each device on the wireless network. The key can be entered either as Manual hex, as 64 hexadecimal (0-9, A-F) characters, or as a Passphrase, using 8 to 63 ASCII characters. The access point keeps out unauthorized users by requiring the key to communicate.
2. **WEP (Wired Equivalent Protection)** the original security standard used in wireless networks that provides a minimal level of security that can deter minor trespasses. The administrator can select the key length among 64 or 128 bits. 64bits is the default setting.

## 6.4 Security

Click the folder of **Security** to display the sub folders including **Account** and **HTTPS**.



## 6.4.1 Account

The device default account and password setting is “admin / airlive”. That means everyone who knows IP address can access the device including all configuration. It is necessary to assign a password if the device is intended to be accessed by others.

User ID	User name	Password	Re-type Password	Viewer mode
Administrator	admin	••••••	••••••	Admin
User 1				Admin
User 2				Admin
User 3				Admin
User 4				Admin
User 5				Admin
User 6				Admin
User 7				Admin
User 8				Admin
User 9				Admin

Viewer authentication  On  Off

OK Cancel

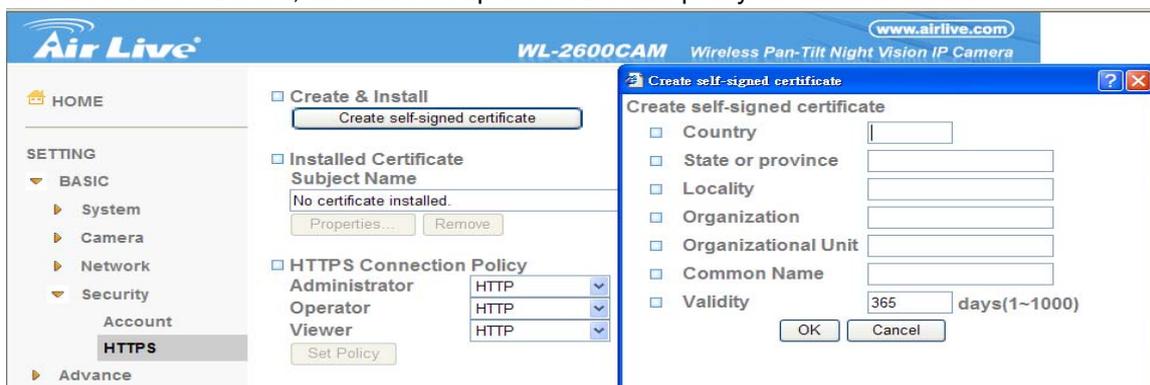
- **User name:** Set a user name between 4-16 characters.
- **Password:** Set a password between 4-16 characters.
- **Re-type Password:** Re-type the password to confirm.
- **Viewer Mode:** Set the user mode among Admin, Operator, and Viewer. Different viewer mode has different limits of authority.
  - The Admin mode has all authority of configuration.
  - The Operator mode can not only view the Live View but also control the PTZ (apply in speed dome).
  - The Viewer mode only can view the Live View.
- **Viewer Authentication:** Allows any viewer direct access to Live View.

## 6.4.2 HTTPS

**HTTPS** is a URI scheme used to indicate a secure HTTP connection. It is syntactically identical to the `http://` scheme normally used for accessing resources using HTTP. Using an `https://URL/` with a different default TCP port (443) and an additional encryption / authentication layer between the HTTP and TCP. You can use the IP camera through HTTPS easily by using `https://` instead of `http://`.



- **Create & Install:** Create a self-signed certificate for HTTPS to recognize.
- **Installed Certificate:** Display or remove the properties of the installed certificate.
- **HTTPS Connection Policy:** Set HTTPS connection policy for different level of users.
- To use the HTTPS encryption, please set up “**Create self-signed certificate**” for the first time you use the HTTPS function, and then set up the connection policy for different users.

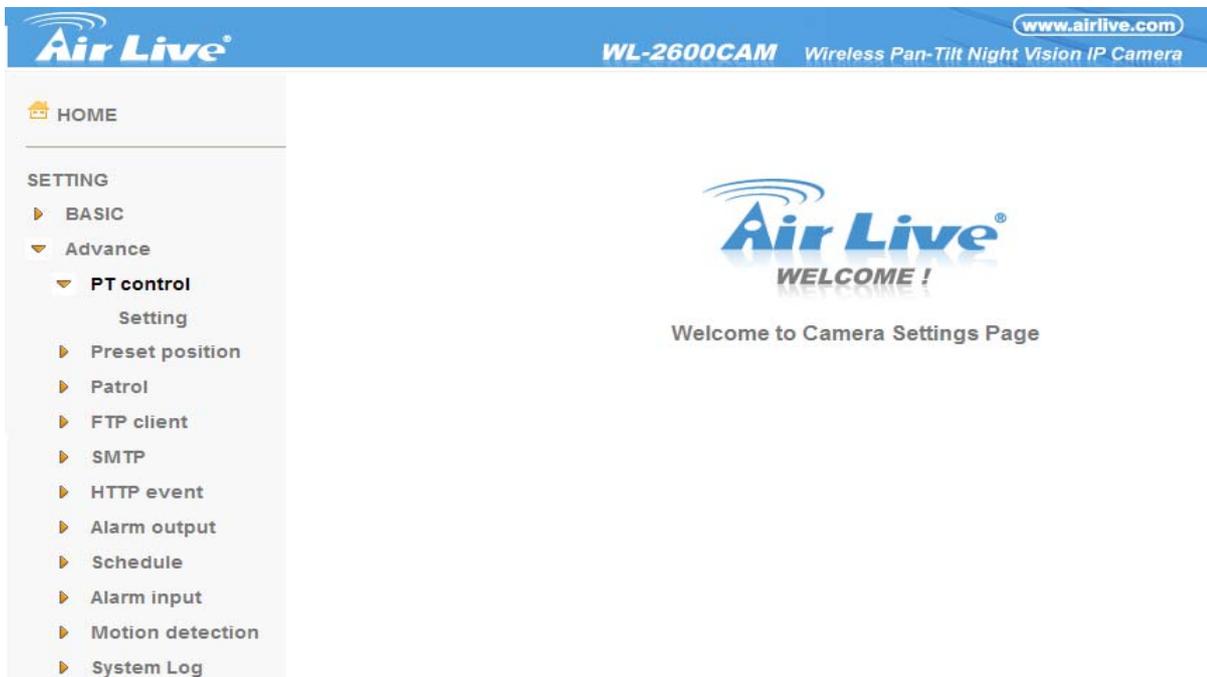


### Note:

When enable HTTPS with RTSP on mode, the IP Camera only protect the setting such as username and password and do not protect video and audio. When enable HTTPS with RTSP off mode, the IP Camera will protect all setting including video and audio.

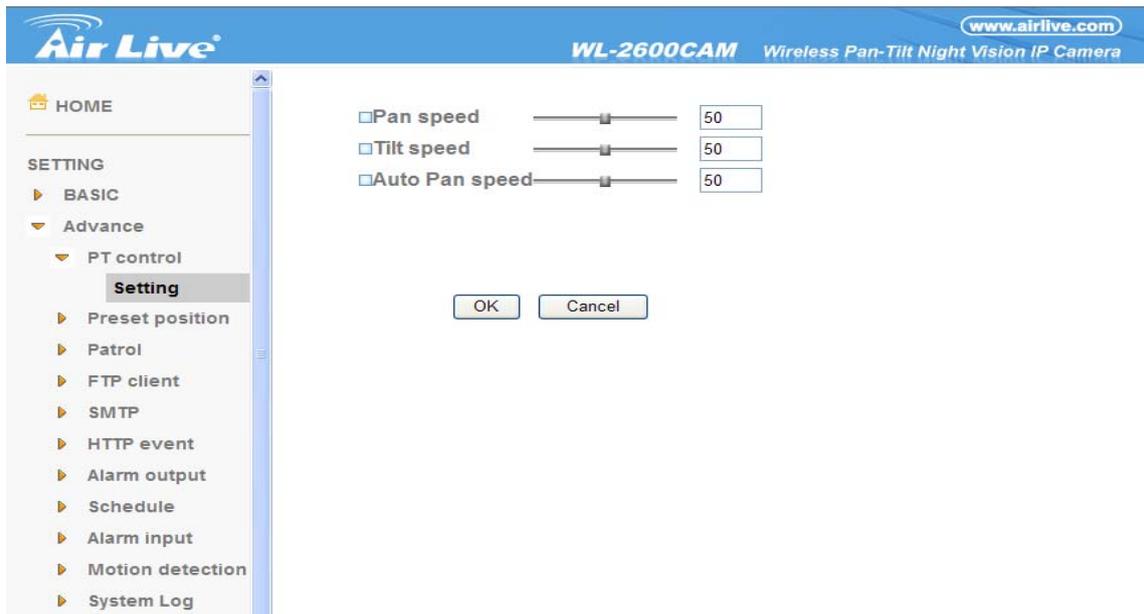
# Chapter 7 : Setting-Advance

Click the folder of **Advance** to display the sub folders including **PT control**, **Preset position**, **Patrol**, **FTP client**, **SMTP**, **HTTP event**, **Alarm output**, **Schedule**, **Alarm input**, **Motion detection** and **System Log**.



## 7.1 PT Control

In this section, it provides Pan, Tilt, Auto Pan speed control setting.



### 7.1.1 Setting

- **Pan speed:** Use it to move bar from 0 to 100.
- **Tilt speed:** Use it to move bar from 0 to 100.
- **Auto Pan speed:** Use it to move bar from 0 to 100.

## 7.2 Preset Position

In this section, up to 32 Pan and Tilt positions can be saved, as well as the home position, which the device faces to when the power is turned on.

The screenshot shows the web interface for the AirLive WL-2600CAM. The top navigation bar includes the AirLive logo, the model name 'WL-2600CAM', and the website 'www.airlive.com'. The left sidebar contains a 'SETTING' menu with options like 'BASIC', 'Advance', 'PT control', 'Preset position', and 'Setting' (which is highlighted). The main content area is titled 'Preset position' and includes a 'Set' button, a 'Reset' button, a 'Home' checkbox, a 'Delete All' button, and a 'Calibration' button. Below this is a 'Preset Pos. Name' text box, a 'Preset Go' button, an 'Empty' dropdown menu, and a 'Control Panel' button. The 'Home position' section has a 'Home Pos. Name' text box. At the bottom, there are two columns of preset slots, numbered 1 to 32. Each slot consists of a 'No' field, a 'Name' text box, and a 'Delete' button.

### 7.2.1 Setting

➤ **Set:** Use it to save the camera position to a preset number.

Carry out the following steps.

- Move the camera to the position to be saved while you are checking the image with the main console.
- Write the preset position name in Preset Pos. Name text box.
- Click the **SET**. The camera position is saved.
- If want to set this position as home position, click Home option on. Click the **SET**. The camera position is saved as home position.

**Note :** Setting the new Home position will replace previous Home position.

- **Reset:** When writing the preset position name in Preset Pos. Name text box, press **Reset** to clean filed words.
- **Delete All:** Be careful! When pressing **Delete All**, all Preset Position information will be deleted.
- **Delete:** Select a preset number from 1 to 32 in the list box. Use it to delete specific number preset position setting.

## 7.3 Patrol

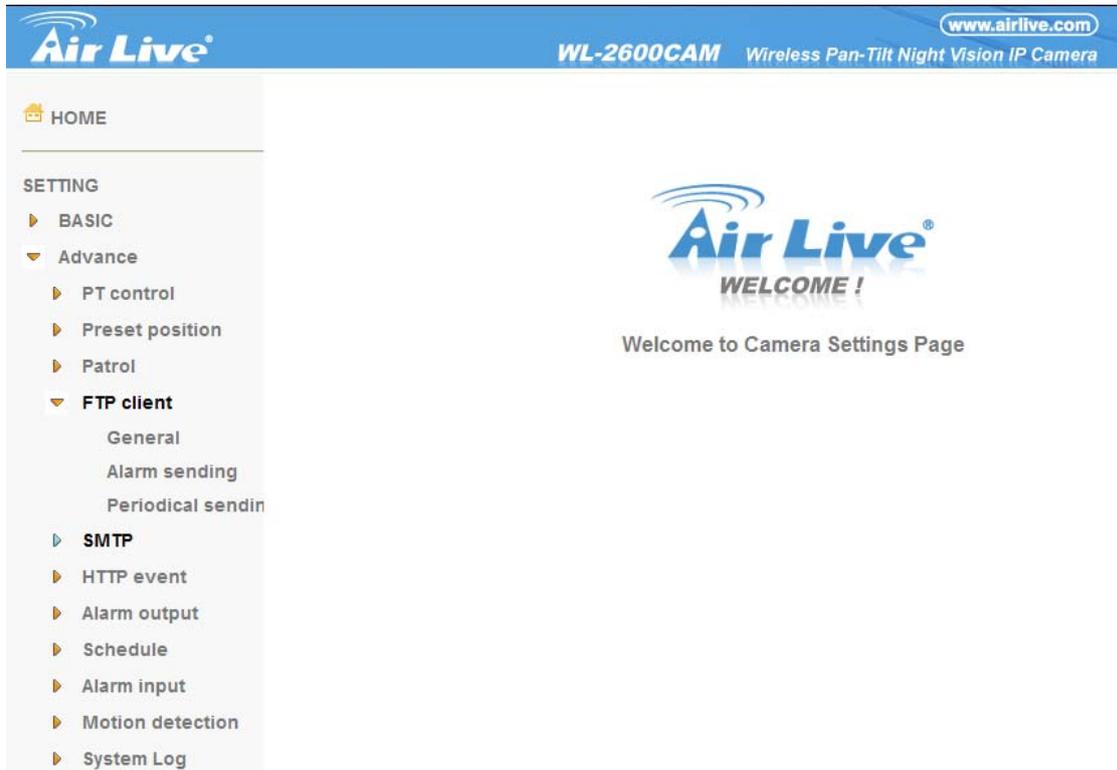
There are four patrol tours to set for composing different preset positions. Each one lists up to 8 positions which can be programmed, and the camera moves to the programmed positions sequentially. The camera stops when it moves to the last preset position.

The screenshot shows the 'Patrol' configuration page in the AirLive WL-2600CAM web interface. The page is titled 'WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera'. On the left, there is a 'SETTING' menu with 'Patrol' selected. The main content area includes a 'Tour Name' field with the value 'Guardtour1', a 'Tour Position' section with 'Order' and 'No Pos. exist' dropdowns, and a 'Waiting time' field with a 'Sec' unit. There are buttons for 'Set', 'Clear', and 'Clear All'. A checkbox 'Set as default tour' is checked, with a 'Tour Start' button next to it. Below this is a table with 8 rows for 'Preset Pos. Name' and 'Waiting time (Sec)'. At the bottom, there are 'OK' and 'Cancel' buttons.

- **Tour name:** Rename the tour name.
- **Tour position**
  - **Order:** There are 8 orders to select for camera directions.
  - **Select Pos.:** There are up to 32 preset positions to choose for each order.
  - **Recall:** When you click **Recall**, the camera moves to position of the selected preset number.
  - **Clear:** When setting specific preset number position to tour, click **Clear** to clear this direction information.
  - **Clear All:** Be careful! When you click **Clear All**, it will clear this tour all information out.
  - **Set:** Use it to save the camera position to a preset number.
- **Set as default tour:** Click it on to set this tour as default.
  - **Tour Start:** To click **Tour Start**, and the camera moves on patrol tour.
  - **Tour Stop:** While the camera moves on patrol tour, click **Tour Stop** to stop the patrol tour.
- **Carry out the following steps:**
  1. Click **Order** to choose one of eight orders.
  2. Click **Select Pos.** to set the preset position.
  3. Click the **SET**. The tour position is saved.
  4. Follow the steps to set the other orders.
  5. Click the **OK** to save the tour.

## 7.4 FTP Client

Use this menu to set up for capturing and sending images to an FTP server. By using FTP client function, you can send the **image** which has been shot and recorded linked with the external sensor input or with the built-in motion detection function to FTP server. FTP client setting menu is composed of two tabs, **General**, **Alarm sending** and **Periodical sending**.



## 7.4.1 General

Select **On** when you use FTP function. The FTP client setting page appears.

Select **Off**, when you do not wish to use the FTP client function.

### Note:

**The frame rate and operability on the main viewer may decrease while a file is being transmitted by the FTP client function.**

The screenshot shows the 'FTP client' configuration page. At the top, there is a blue header with the 'Air Live' logo on the left and the text 'WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera' and 'www.airlive.com' on the right. A left sidebar menu is visible, with 'SETTING' expanded to show 'FTP client' and 'General' selected. The main content area contains the following settings:

- FTP client  On  Off
- FTP server name:
- User name:
- Password:
- Re-type password:
- Passive mode:  On  Off
- Buttons: OK, Cancel, Test

- **FTP server name:** Type the FTP server name to upload still images up to 64 characters, or the IP address of the FTP server.
- **User name:** Type the user name for the FTP server.
- **Password:** Type the password for the FTP server.
- **Retype password:** To confirm the password, type the same characters as you typed in the Password box.
- **Passive mode:** Set whether you use the passive mode of FTP server or not when connecting to FTP server. Select **On** to connect to FTP server using the passive mode.

## 7.4.2 Alarm sending

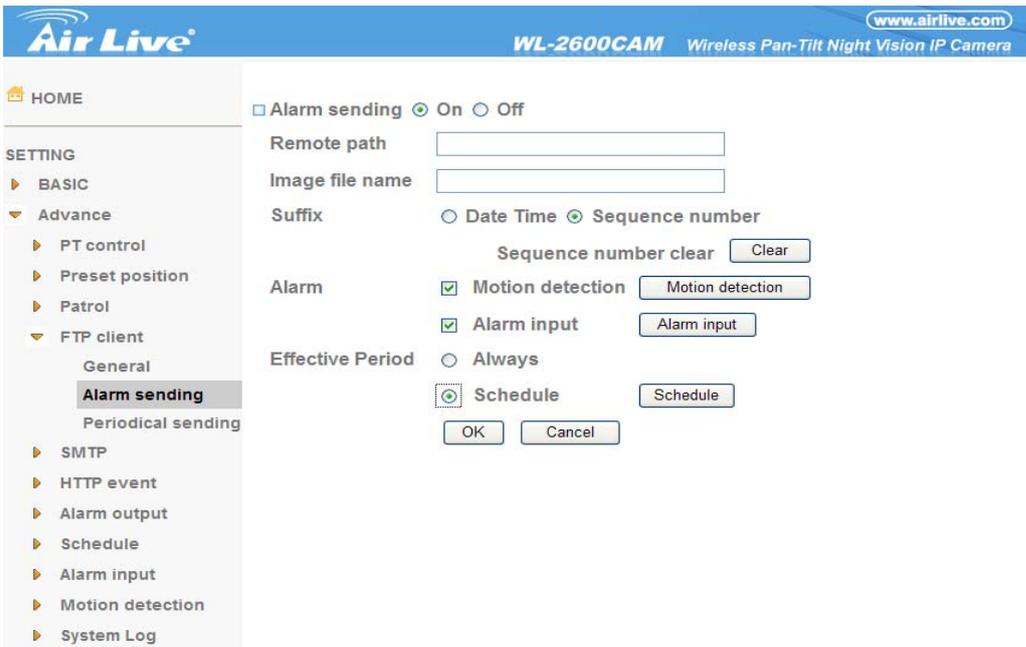
Set to forward the image and audio file to the specified FTP server linked with the alarm detection by the external sensor input or by the built-in motion detection function. Select **On** to send the image file to FTP server linked with the alarm detection.

The screenshot shows the 'Alarm sending' configuration page in the AirLive WL-2600CAM web interface. The page is titled 'Air Live WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera'. The left sidebar shows the 'SETTING' menu with 'Alarm sending' selected. The main content area displays the following configuration options:

- Alarm sending:**  On  Off
- Remote path:**
- Image file name:**
- Suffix:**  Date Time  Sequence number
- Alarm:**  Motion detection  Alarm input
- Effective Period:**  Always  Schedule

Buttons for 'OK' and 'Cancel' are located at the bottom of the configuration area.

- **Remote Path:** Type the path to the destination in FTP server up to 64 characters.
- **Image File Name:** Type the file name you want to assign to the images when sending to the FTP server. You can use up to 10 alphanumeric characters, - (hyphen) and \_ (underline) for naming.
- **Suffix:** Select a suffix to add to the file name
  - **Date & time:** The date & time suffix is added to the Image file name. The date/time suffix consists of lower two-digits of year (2 digits), month (2 digits), date (2 digits), hour (2 digits), minute (2 digits), second (2 digits), and consecutive number (2 digits), thus 14-digit number is added to the file name.
  - **Sequence number:** A consecutive number of 10 digits between 0000000001 and 4294967295 and two fixed digits 00 is added to the Image file name.
  - **Sequence number clear:** Click **Clear** and the suffix of the sequence number returns to 1.



## ➤ Alarm

- **Motion Detection:** Click it on for using **Motion Detection** function as a sensor. You can set motion detection function at the motion detection function page.



**Note:** You can set motion detection at motion detection page. (Please go “Setting → Advance → Motion detection → Setting”) For more details, you can check Chapter 8.10.

- **Alarm Input:** Select the connected alarm. **Sensor input1:** The external sensor which is connected to sensor input1 of the alarm input.

## Alarm input



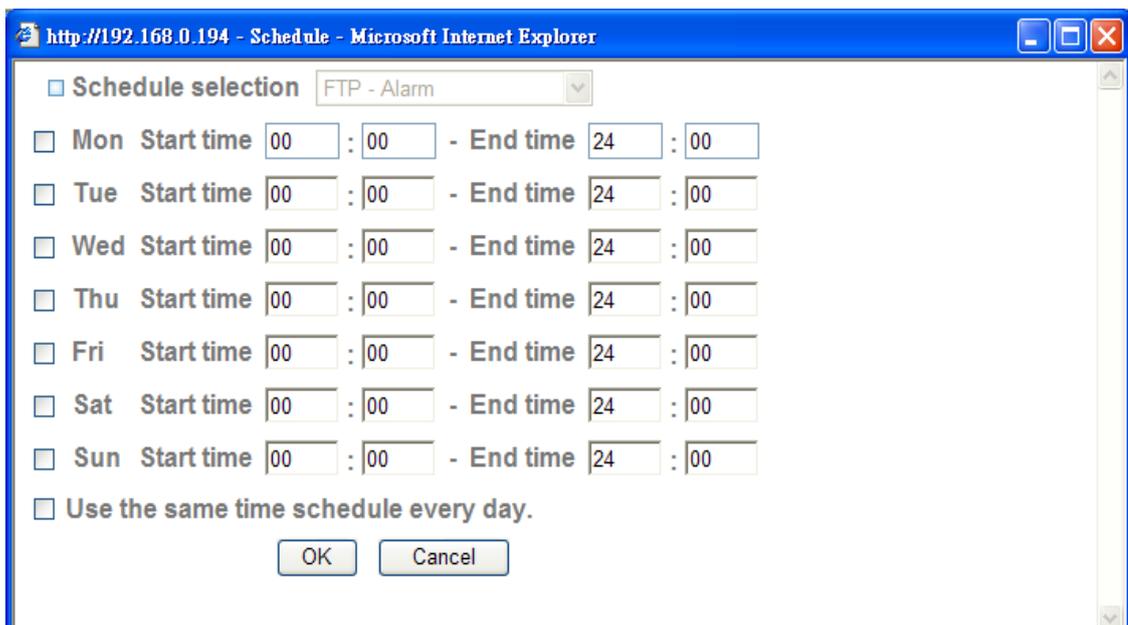
**Note:** You can set the alarm input function at alarm input page. (Please go “Setting → Advance → Alarm input → Setting”). For more details, you can check Chapter 8.9.

➤ **Effective period:** Set the period when the periodical sending is effective.

- **Always:** The periodical sending is always effective.
- **Schedule:** You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

**Note:** You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

## Schedule



### 7.4.3 Periodical sending

You can set to send an image file to FTP server periodically by selecting **On** to send the image file to FTP server linked with setting period.

The screenshot shows the 'Periodical sending' configuration page in the AirLive WL-2600CAM web interface. The page has a blue header with the AirLive logo and the product name 'WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera'. A sidebar menu on the left contains 'HOME', 'SETTING', 'BASIC', 'Advance', 'PT control', 'Preset position', 'Patrol', 'FTP client', 'General', 'Alarm sending', 'Periodical sending' (highlighted), 'SMTP', 'HTTP event', 'Alarm output', 'Schedule', 'Alarm input', 'Motion detection', and 'System Log'. The main configuration area includes a checkbox for 'Periodical sending' which is checked, and radio buttons for 'On' (selected) and 'Off'. Below this are input fields for 'Remote path' and 'Image file name'. The 'Suffix' section has radio buttons for 'None', 'Date Time', and 'Sequence number' (selected), with a 'Sequence number clear' button labeled 'Clear'. The 'Interval' is set to '00 H 30 M' with a note '(MIN : 1min. MAX : 24-hour interval)'. The 'Effective Period' has radio buttons for 'Always' and 'Schedule' (selected), with a 'Schedule' button. At the bottom are 'OK' and 'Cancel' buttons.

- **Image file name:** Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and \_ (under score).
- **Suffix:** Select a suffix to be added to the file name sent by SMTP.
  - **None:** The name of the sent file will be the Image file name.
  - **Date & time:** The date & time suffix is added to the Image file name. The date & time suffix consists of lower two-digits of year (2 digits), month (2 digits), date (2 digits), hour (2 digits), minute (2 digits) and second (2 digits), and consecutive number (2 digits), thus 14-digit number is added to the file name.
  - **Sequence number:** A **consecutive** number is added to the Image file name.
  - **Sequence number clear:** Click **Clear** and the suffix of the sequence number returns to 1.
- **Interval:** Set the periodical sending is effective interval. Min value is 1 min and Max value is 24 hour.

➤ **Effective period:** Set the period when the periodical sending is effective.

- **Always:** The periodical sending is always effective.

- **Schedule:** You can specify the period when the periodical sending is effective in the schedule setting in the other section. **Please check “Setting → Advance → Schedule → Setting”.**

**Note:** You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

## Schedule

http://192.168.0.194 - Schedule - Microsoft Internet Explorer

Schedule selection FTP - Periodical

Mon Start time 00 : 00 - End time 24 : 00

Tue Start time 00 : 00 - End time 24 : 00

Wed Start time 00 : 00 - End time 24 : 00

Thu Start time 00 : 00 - End time 24 : 00

Fri Start time 00 : 00 - End time 24 : 00

Sat Start time 00 : 00 - End time 24 : 00

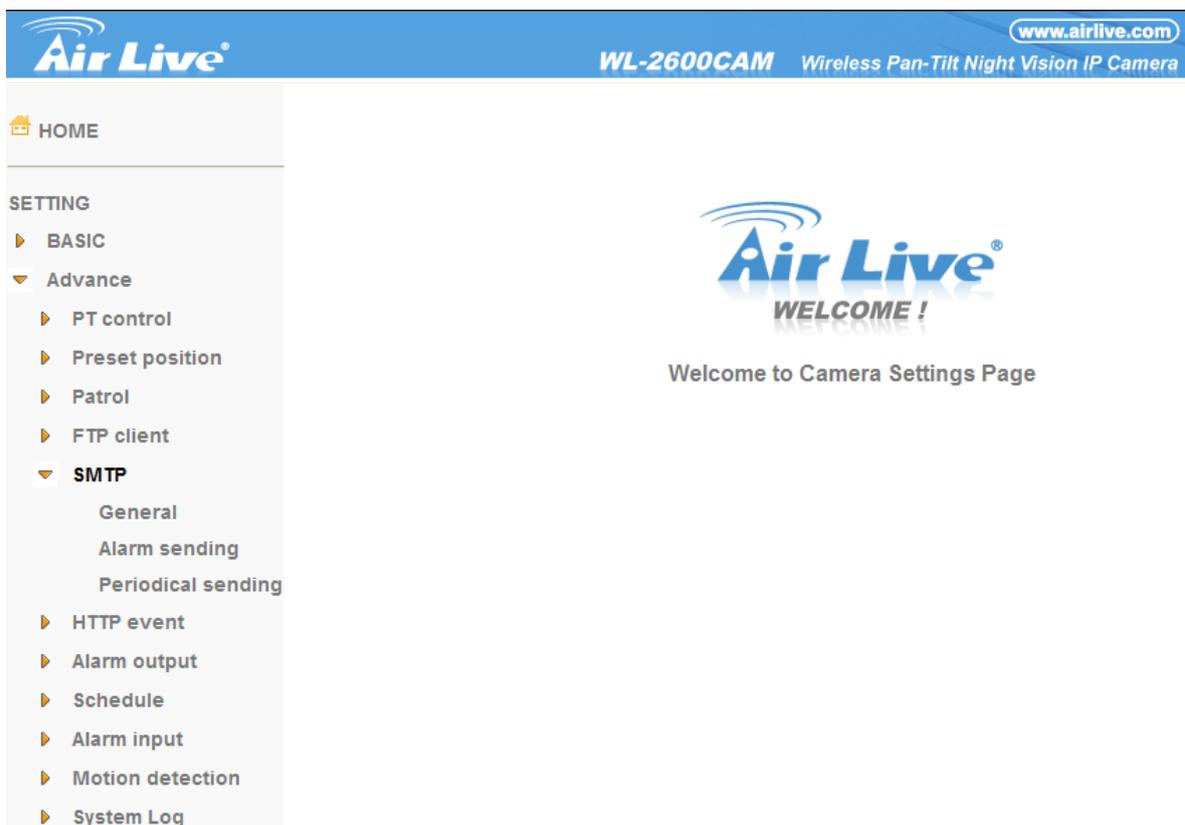
Sun Start time 00 : 00 - End time 24 : 00

Use the same time schedule every day.

OK Cancel

## 7.5 SMTP

Set the SMTP menu when you want to send an image via e-mail. By using Mail (SMTP) function, you can send a mail with attached **image** which has been shot linked with the external sensor input or with the built-in motion detection function. The image file can also be sent periodically. E-Mail (SMTP) setting menu is composed of three tabs, **General**, **Alarm sending** and **Periodical sending**.



## 7.5.1 General

Select **On** when you use the SMTP function. The common setting options are displayed below. Select **Off**, if you do not wish to use the e-Mail (SMTP) function.

### Note :

The Setting of general part will be the same as the setting of IP Notification (Please check “Setting → Basic → Network → IP Notification”)

The screenshot displays the configuration page for the AirLive WL-2600CAM. The interface includes a sidebar with a 'SETTING' menu where 'SMTP' is expanded to 'General'. The main area contains the following settings:

- e-Mail (SMTP)  On  Off
- SMTP server name: [Text Input]
- SMTP server port: 25 (1 ~ 65535)  SSL
- Authentication:  On  Off
- SMTP  POP before SMTP
- Recipient e-Mail address: [Text Input]
- Administrator e-Mail address: [Text Input]
- Subject: [Text Input]
- Message: [Text Area]

Buttons at the bottom: OK, Cancel, Test.

➤ **SMTP server name:** Type the SMTP server name up to 64 characters, or the IP address of the SMTP server.

➤ **SMTP Server Port:** You can set port number from 1~65535 according to your mail server. The default value is 25.

● **Security setting:** Tick SSL box if the mail server you use has security restriction.

### Note:

If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.

➤ **Authentication:** Select the authentication required when you send an email.

● **Off:** Select if no authentication is necessary when an email is sent.

● **On:** When authentication is necessary an e-mail is sent, select one of the authentication methods from the followings.

The screenshot shows the 'SMTP' configuration page in the AirLive WL-2600CAM web interface. The left sidebar has 'SMTP' expanded to 'General'. The main area contains the following settings:

- e-Mail (SMTP)  On  Off
- SMTP server name: [Text Input]
- SMTP server port: 25 (1 ~ 65535)  SSL
- Authentication:  On  Off
- SMTP  POP before SMTP
- POP server name: [Text Input]
- User name: [Text Input]
- Password: [Text Input]
- Recipient e-Mail address: [Text Input]
- Administrator e-Mail address: [Text Input]
- Subject: [Text Input]
- Message: [Text Area]

Buttons: OK, Cancel, Test

- **Authentication:** Select the authentication required when you send an email.
  - Off: Select if no authentication is necessary when an email is sent.
  - On: When authentication is necessary an e-mail is sent, select one of the authentication methods from the followings.
- **SMTP:** Select if SMTP authentication is necessary when an e-mail is sent.
- **POP before SMTP:** Select if POP before SMTP authentication is necessary when an e-mail is sent.

**Note :** When you set to On, be sure to select either or both SMTP or / and POP before SMTP.

- POP server name:** It is necessary when the **POP before SMTP** is selected in **Authentication**. Type the POP (receiving mail) server name up to 64 characters, or type the IP address of the POP server. This setting is necessary when the SMTP server which sends e-mails performs authentication using the POP user account.
- User name, Password:** Type the user name and Password of the user who has the mail account. This setting is necessary when the SMTP server which sends e-mails performs authentication.
- **Recipient e-mail address:** Type the recipient e-Mail address up to 64 characters. You can specify up to three recipient E-mail addresses.
- **Administrator e-mail address:** Type the Administrator e-Mail address up to 64 characters. This address is used for reply mail and sending system messages from the SMTP server.
- **Subject:** Type the subject/title of the e-Mail up to 64 characters. With respect to mail which is sent according to the alarm detection when **Alarm sending** of the alarm tab is set to **On**, the characters

standing for the sensor type added to the subject.

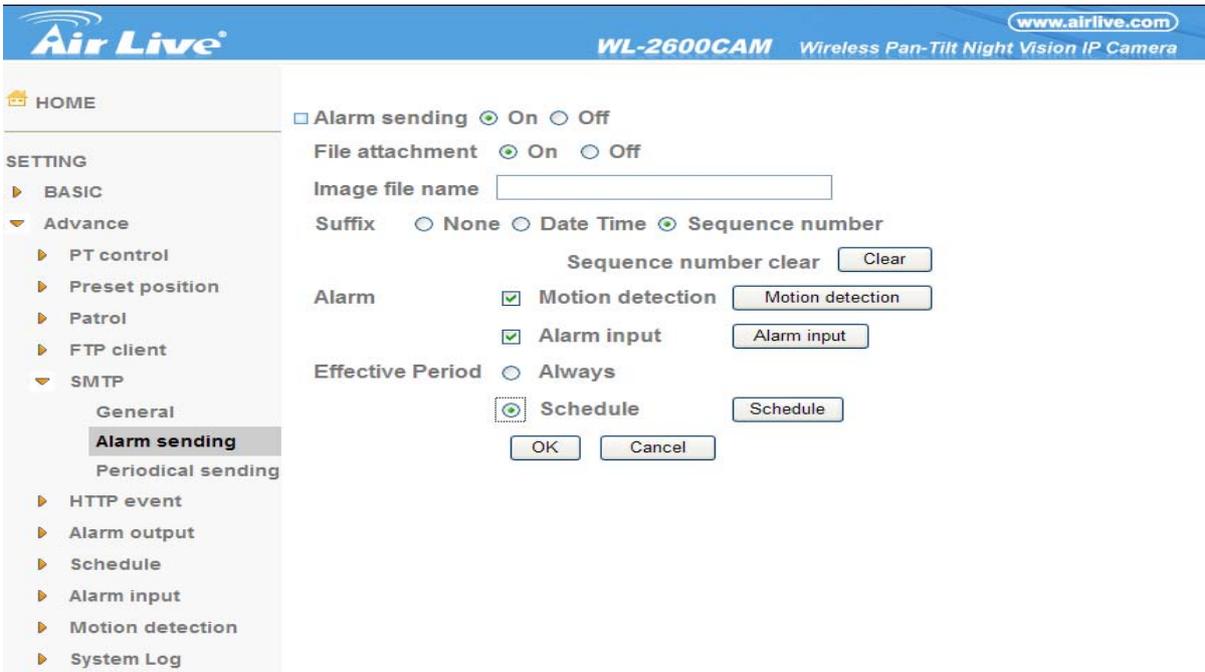
- **Message:** Type the text of the E-mail up to 384 characters. (A line break is equivalent to 2 characters.)

## 7.5.2 Alarm sending

Set to send the mail with connection to the alarm detection by the external sensor input or by the built-in motion detection function. Select On to send the image and file to SMTP server linked with the alarm detection.

The screenshot shows the web interface for the AirLive WL-2600CAM. The top navigation bar includes the AirLive logo, the model name 'WL-2600CAM', and the description 'Wireless Pan-Tilt Night Vision IP Camera'. The main content area is divided into a left sidebar and a main configuration panel. The sidebar has a 'HOME' button and a 'SETTING' menu with sub-items: 'BASIC', 'Advance', 'PT control', 'Preset position', 'Patrol', 'FTP client', and 'SMTP'. Under 'SMTP', there are sub-menus for 'General', 'Alarm sending' (which is highlighted), and 'Periodical sending'. Below these are 'HTTP event', 'Alarm output', 'Schedule', 'Alarm input', 'Motion detection', and 'System Log'. The main configuration panel for 'Alarm sending' includes: a checkbox for 'Alarm sending' (checked 'On'), a checkbox for 'File attachment' (checked 'On'), an 'Image file name' text input field, a 'Suffix' section with radio buttons for 'None', 'Date Time', and 'Sequence number' (selected), and a 'Sequence number clear' button with a 'Clear' label. Below this is an 'Alarm' section with checkboxes for 'Motion detection' and 'Alarm input'. The 'Effective Period' section has radio buttons for 'Always' (selected) and 'Schedule'. At the bottom are 'OK' and 'Cancel' buttons.

- **Alarm sending:** Select **On** to set to send mail with connection to the alarm detection.
- **File attachment:** Set whether an image file is attached to the mail sent or not. When **On** is selected, the image file made by the settings below is attached. When **Off** is selected, only the message is sent.
- **Image file name:** Type the file name you want to assign to the image to attach a mail. You can use up to 10 alphanumeric, - (hyphen) and \_ (underscore) for naming.
- **Suffix:** Select a suffix to add to the file name
  - **Date & time:** The date & time suffix is added to the Image file name. The date/time suffix consists of lower two-digits of year (2 digits), month (2 digits), date (2 digits), hour (2 digits), minute (2 digits), second (2 digits), and consecutive number (2 digits), thus 14-digit number is added to the file name.
  - **Sequence number:** A consecutive number of 10 digits between 0000000001 and 4294967295 and two fixed digits 00 is added to the Image file name.
  - **Sequence number clear:** Click **Clear** and the suffix of the sequence number returns to 1.



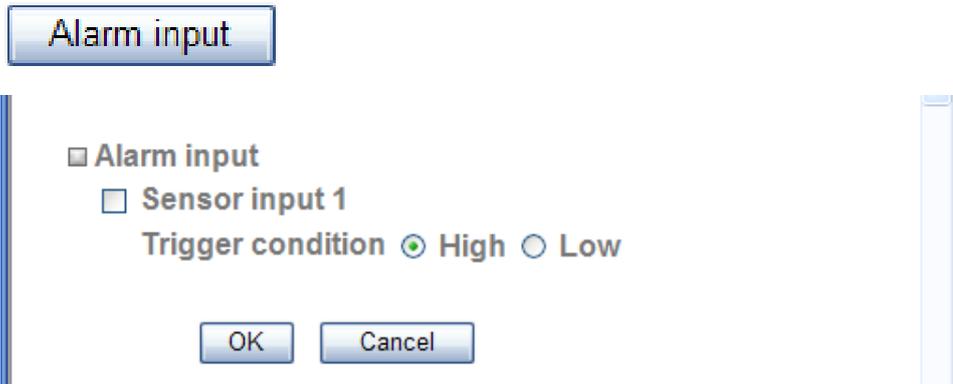
➤ Alarm

● **Motion Detection:** Click it on for using **Motion Detection** function as a sensor. You can set motion detection function at the motion detection function page.



**Note:** You can set motion detection at motion detection page. (Please go “Setting → Advance → Motion detection → Setting”) For more details, you can check Chapter 8.10.

- **Alarm Input:** Select the connected alarm. **Sensor input1:** The external sensor which is connected to sensor input1 of the alarm input.



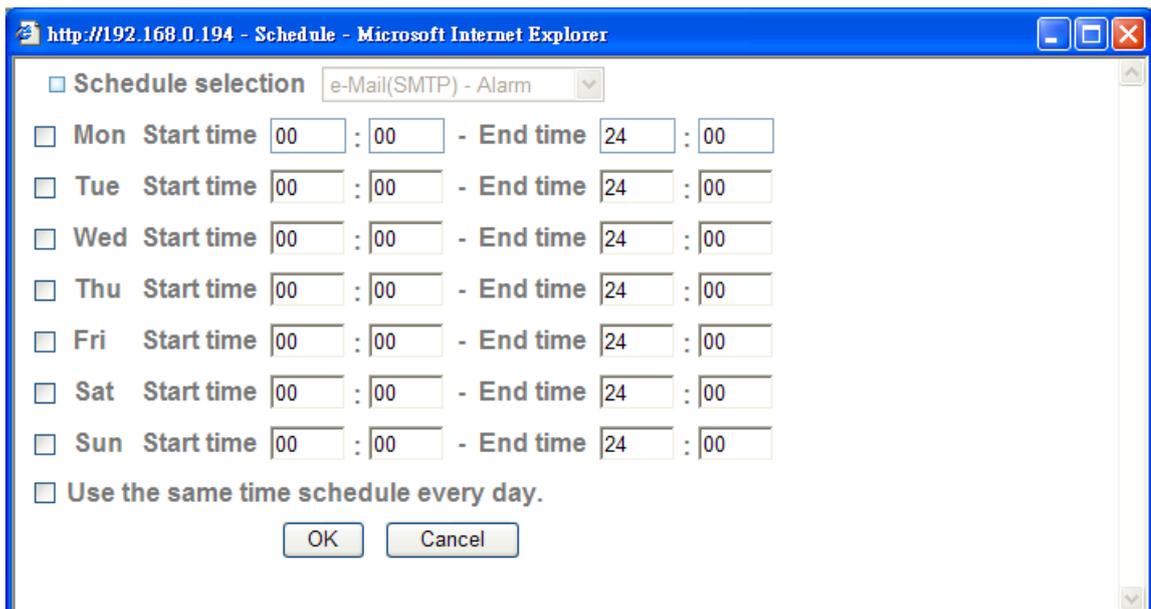
**Note:** You can set the alarm input function at alarm input page. (Please go “Setting → Advance → Alarm input → Setting”). For more details, you can check Chapter 8.9.

➤ **Effective period:** Set the period when the periodical sending is effective.

- **Always:** The periodical sending is always effective.
- **Schedule:** You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

**Note:** You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

## Schedule



### 7.5.3 Periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.

The screenshot shows the web interface for the AirLive WL-2600CAM. The top navigation bar includes the AirLive logo, the model name 'WL-2600CAM', and the description 'Wireless Pan-Tilt Night Vision IP Camera'. A 'HOME' button is visible in the top left. A left sidebar menu lists various settings: HOME, SETTING, BASIC, Advance (with sub-items: PT control, Preset position, Patrol, FTP client), SMTP (with sub-items: General, Alarm sending, Periodical sending, HTTP event, Alarm output, Schedule, Alarm input, Motion detection, System Log). The main content area is titled 'Periodical sending' and features a toggle switch set to 'On'. Below this are fields for 'Image file name', 'Suffix' (with radio buttons for 'None', 'Date Time', and 'Sequence number'), and a 'Sequence number clear' button. The 'Interval' is set to 00 H and 30 M, with a note '(MIN : 30min. MAX : 24-hour interval)'. The 'Effective Period' has radio buttons for 'Always' and 'Schedule', with the 'Schedule' option selected and a 'Schedule' button. At the bottom are 'OK' and 'Cancel' buttons.

- **Image file name:** Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and \_ (under score).
- **Suffix:** Select a suffix to be added to the file name sent by SMTP.
  - **None:** The name of the sent file will be the Image file name.
  - **Date & time:** The date & time suffix is added to the Image file name. The date & time suffix consists of lower two-digits of year (2 digits), month (2 digits), date (2 digits), hour (2 digits), minute (2 digits) and second (2 digits), and consecutive number (2 digits), thus 14-digit number is added to the file name.
  - **Sequence number:** A consecutive number is added to the Image file name.
  - **Sequence number clear:** Click **Clear** and the suffix of the sequence number returns to 1.
- **Interval:** Set the periodical sending is effective interval. Min value is 30 min and Max value is 24 hour.

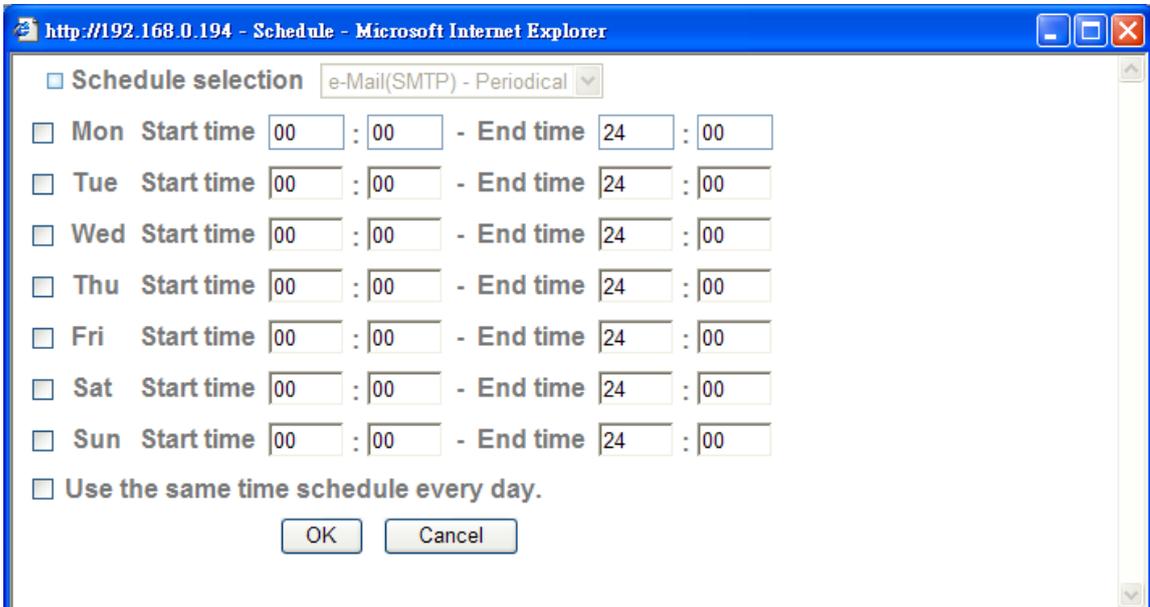
➤ **Effective period:** Set the period when the periodical sending is effective.

- **Always:** The periodical sending is always effective.

- **Schedule:** You can specify the period when the periodical sending is effective in the schedule setting in the other section. **Please check “Setting → Basic → Advance → Schedule → Setting.”**

**Note:** You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

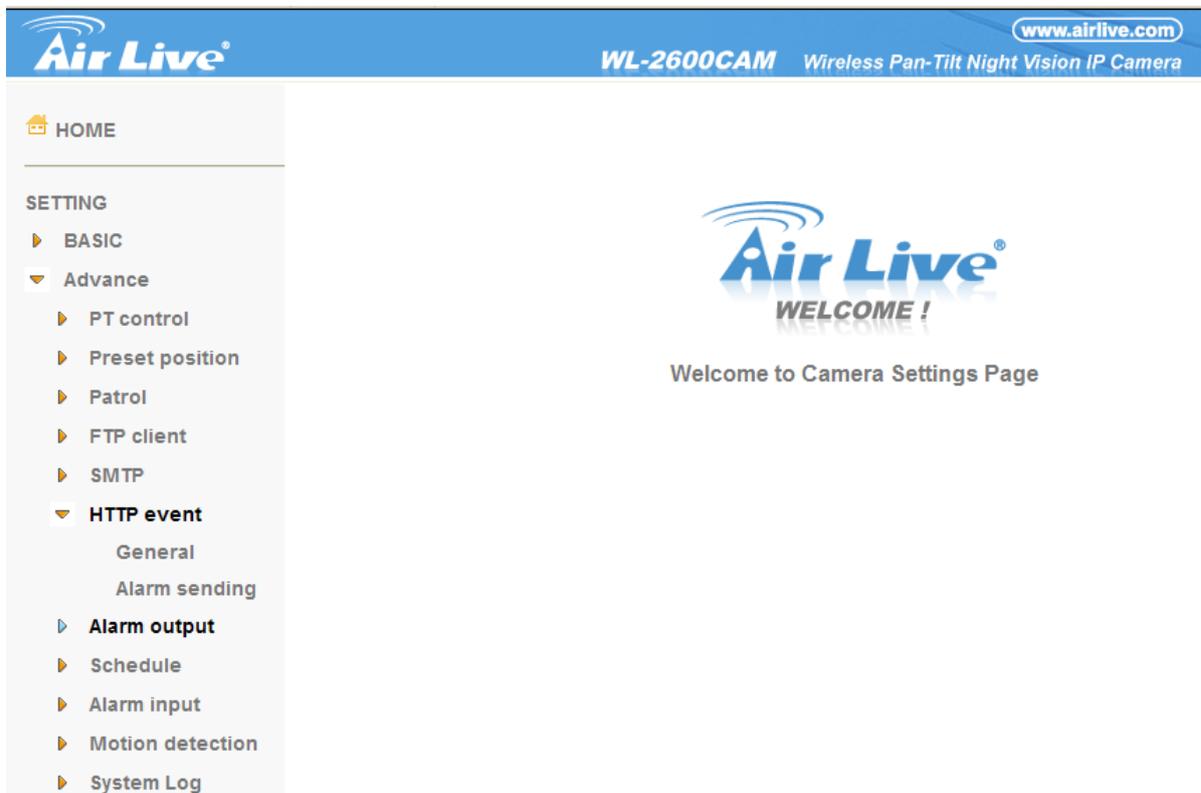
## Schedule



The screenshot shows a web browser window titled "http://192.168.0.194 - Schedule - Microsoft Internet Explorer". The main content area is titled "Schedule selection" and features a dropdown menu set to "e-Mail(SMTP) - Periodical". Below this, there are seven rows, one for each day of the week (Mon through Sun). Each row contains a checkbox, the day name, and two time selection fields: "Start time" and "End time". Both fields are currently set to "00 : 00" and "24 : 00" respectively. At the bottom of the form, there is a checkbox labeled "Use the same time schedule every day." and two buttons: "OK" and "Cancel".

## 7.6 HTTP event

Use this menu to set up for capturing and sending images to an HTTP server. By using HTTP client function, you can send the **image file** which has been shot and recorded linked with the external sensor input or with the built-in motion detection function to HTTP server. HTTP client setting menu is composed of two tabs, **General** and **Alarm sending**.



The screenshot displays the web interface for the Air Live WL-2600CAM. The top header is blue and contains the Air Live logo on the left, the model name 'WL-2600CAM' and the description 'Wireless Pan-Tilt Night Vision IP Camera' in the center, and the website 'www.airlive.com' on the right. A left sidebar menu is visible, with 'HOME' at the top. Under 'SETTING', there are several options: 'BASIC', 'Advance' (expanded), 'PT control', 'Preset position', 'Patrol', 'FTP client', 'SMTP', 'HTTP event' (expanded), 'Alarm output', 'Schedule', 'Alarm input', 'Motion detection', and 'System Log'. The 'HTTP event' sub-menu is further expanded to show 'General' and 'Alarm sending'. The main content area on the right features the Air Live logo with 'WELCOME!' below it, and the text 'Welcome to Camera Settings Page' at the bottom.

## 7.6.1 General

**Air Live** WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera [www.airlive.com](http://www.airlive.com)

HOME

SETTING

- BASIC
- Advance
  - PT control
  - Preset position
  - Patrol
  - FTP client
  - SMTTP
  - HTTP event
    - General**
    - Alarm sending
  - Alarm output
  - Schedule
  - Alarm input
  - Motion detection
  - System Log

HTTP event  On  Off

URL

Port

User ID

Password

Proxy server name

Proxy port number

Proxy user ID

Proxy password

OK Cancel Test

- **HTTP event:** Set up the HTTP server URL, port, User ID, Password, and Proxy server settings.

**Air Live** WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera [www.airlive.com](http://www.airlive.com)

HOME

SETTING

- BASIC
- Advance
  - PT control
  - Preset position
  - Patrol
  - FTP client
  - SMTTP
  - HTTP event
    - General**
    - Alarm sending
  - Alarm output
  - Schedule
  - Alarm input
  - Motion detection
  - System Log

HTTP event  On  Off

URL

Port

User ID

Password

Proxy server name

Proxy port number

Proxy user ID

Proxy password

OK Cancel Test

## 7.6.2 Alarm sending

Set to send the mail with connection to the alarm detection by the external sensor input or by the built-in motion detection function. Select “On” to send the image and audio file to HTTP server linked with the alarm detection.

The screenshot shows the web interface for the Air Live WL-2600CAM. The top navigation bar includes the Air Live logo, the model name WL-2600CAM, and the website URL www.airlive.com. A sidebar on the left contains a menu with options: HOME, SETTING (BASIC, Advance, PT control, Preset position, Patrol, FTP client, SMTP, HTTP event), and General (Alarm sending, Alarm output, Schedule, Alarm input, Motion detection, System Log). The main content area is titled "Alarm sending" and features a radio button for "Alarm sending" set to "On". Under the "Alarm" section, there are two checked options: "Motion detection" and "Alarm input", each with a corresponding "Parameter" and "Message" input field and a button. The "Effective Period" section has radio buttons for "Always" and "Schedule", with "Schedule" selected and a "Schedule" button. "OK" and "Cancel" buttons are at the bottom.

**Alarm sending:** Select **On** to set to send mail with connection to the alarm detection.

### ➤ Alarm

#### ● Motion detection · Alarm input

➤ **Effective period:** Set the period when the periodical sending is effective.

● **Always:** The periodical sending is always effective.

● **Schedule:** You can specify the period when the periodical sending is effective in the schedule setting in the other section.

#### **Note:**

**You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”)** For more details, you can check Chapter 8.8.

➤ Alarm

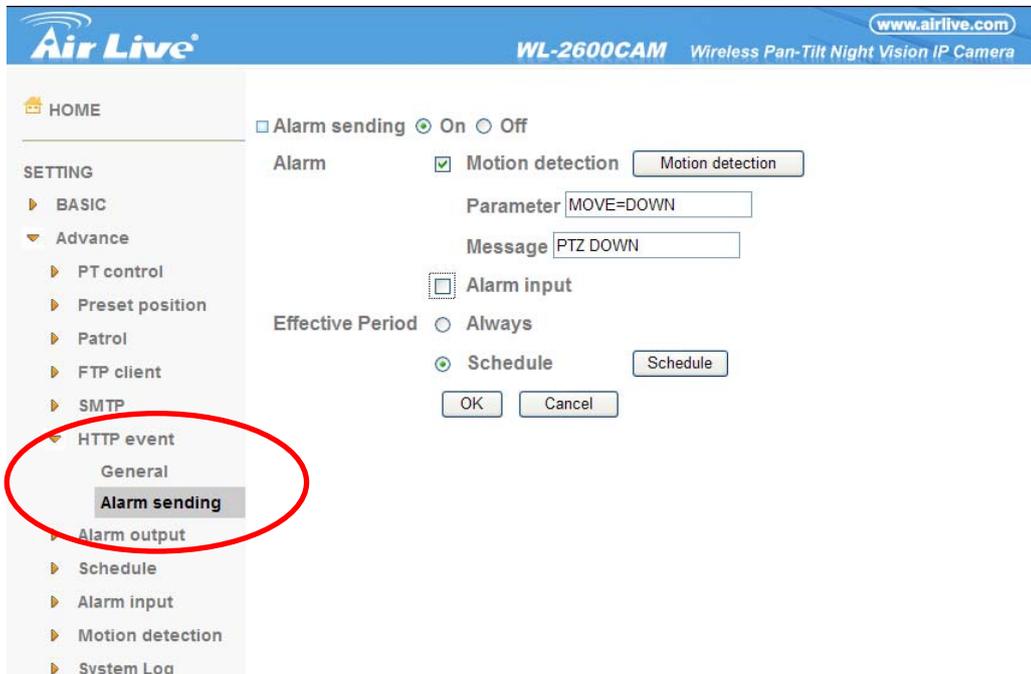
- **Motion Detection:** Click it on for using **Motion Detection** function as a sensor. You can set motion detection function at the motion detection function page.

Motion detection



**Note:** You can set motion detection at motion detection page. (Please go “Setting → Advance → Motion detection → Setting”) For more details, you can check Chapter 8.10.

**Note :** Motion Detection works only when the MPEG4 function is On.



- ✓ **Parameter:** the parameter of CGI (defined in URL of HTTP → General) is from your

target device. For example, move=down.

- ✓ **Message:** message will show up in the form of Message = PTZ down. If your target device didn't support the parameter of message, you can't see the message. So you can just take the message as a note. For example: PTZ down.

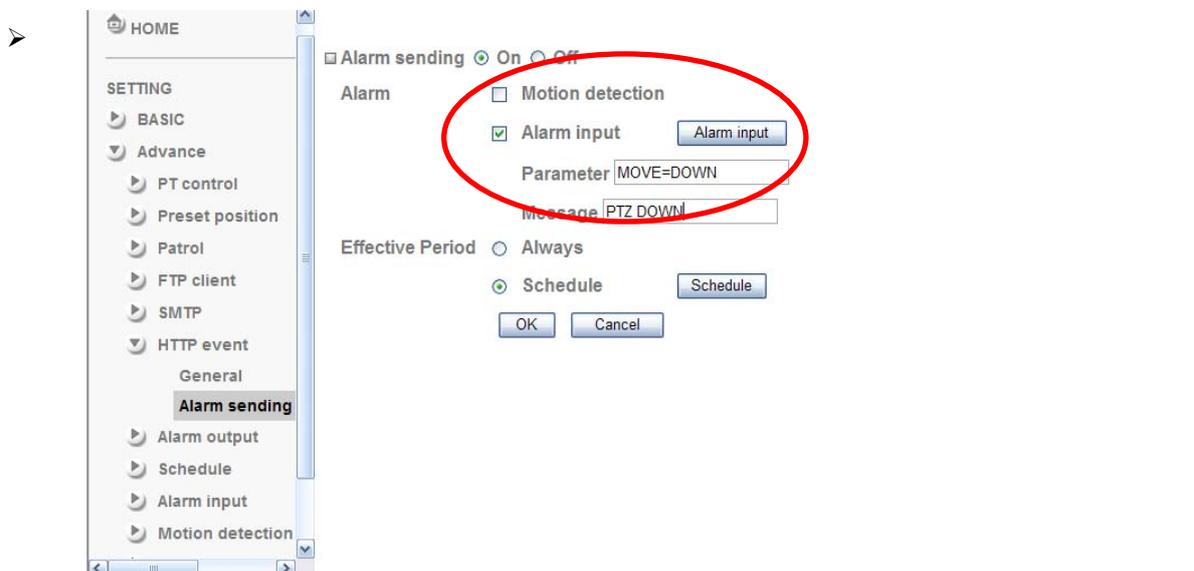
●**Alarm Input:** Select the connected alarm. **Sensor input1:** The external sensor which is connected to sensor input1 of the alarm input.



**Note:**

You can set the alarm input function at alarm input page. (Please go “Setting → Advance → Alarm input → Setting”) For more details, you can check Chapter 8.9.

- ✓ **Parameter:** the parameter of CGI (defined in URL of HTTP→General) is from your target device. For example, move=down.
- ✓ **Message:** message will show up in the form of Message = PTZ down. If your target device didn't support the parameter of message, you can't see the message. So you can just take the message as a note. For example: PTZ down.



**Effective period:** Set the period when the periodical sending is effective.

- **Always:** The periodical sending is always effective.
- **Schedule:** You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

**Note:** You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

## Schedule

http://192.168.0.194 - Schedule - Microsoft Internet Explorer

Schedule selection HTTP event - Alarm

Mon Start time 00 : 00 - End time 24 : 00

Tue Start time 00 : 00 - End time 24 : 00

Wed Start time 00 : 00 - End time 24 : 00

Thu Start time 00 : 00 - End time 24 : 00

Fri Start time 00 : 00 - End time 24 : 00

Sat Start time 00 : 00 - End time 24 : 00

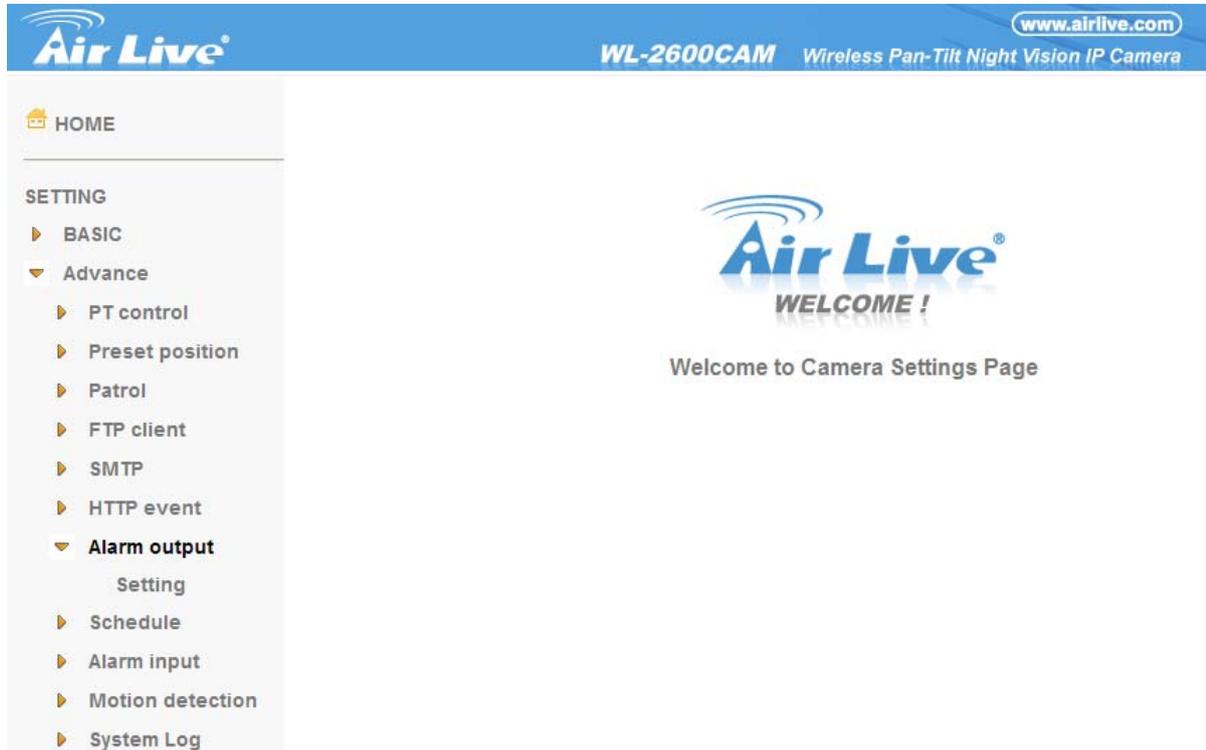
Sun Start time 00 : 00 - End time 24 : 00

Use the same time schedule every day.

OK Cancel

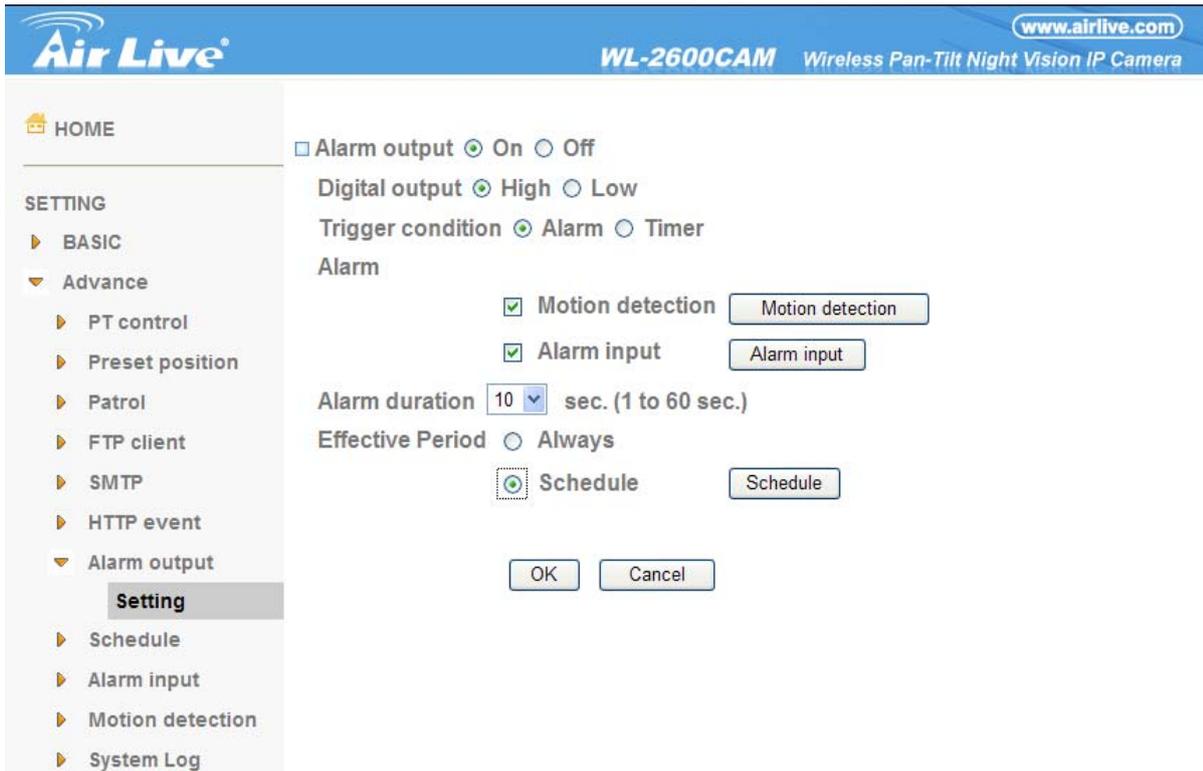
## 7.7 Alarm Output

When you click **Alarm output** on the Advance mode menu, the Alarm output setting menu appears. You can set in this menu to control the alarm out of I / O port on the rear of the device linked to the alarm detection and the timer.



The screenshot displays the web interface for the Air Live WL-2600CAM. The top navigation bar is blue and contains the Air Live logo on the left, the model name "WL-2600CAM" and the description "Wireless Pan-Tilt Night Vision IP Camera" in the center, and the website "www.airlive.com" on the right. A left-hand sidebar menu is visible, with "HOME" at the top. Below it, the "SETTING" section is expanded, showing a list of options: "BASIC", "Advance" (which is expanded to show "PT control", "Preset position", "Patrol", "FTP client", "SMTP", "HTTP event", "Alarm output", "Schedule", "Alarm input", "Motion detection", and "System Log"), and "System Log". The "Alarm output" option is currently selected, and its sub-menu "Setting" is visible. The main content area of the page features the Air Live logo with the text "WELCOME !" below it, and the heading "Welcome to Camera Settings Page" centered on the page.

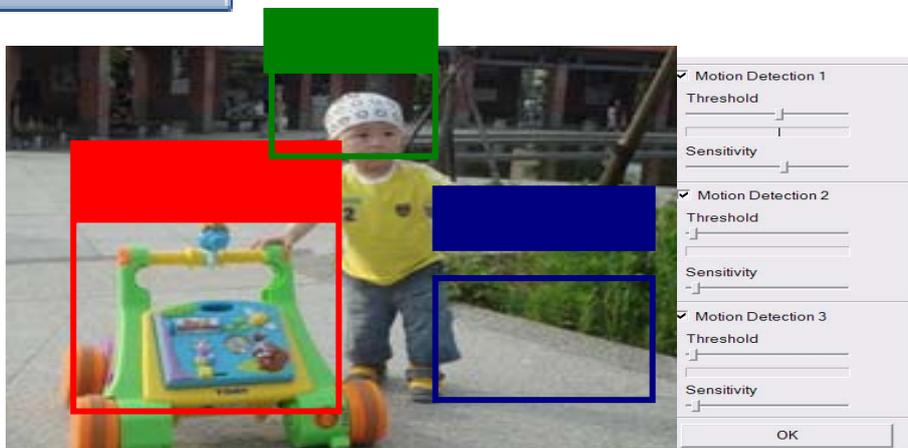
## 7.7.1 Setting



**Alarm output:** To activate the Alarm output function, select **On**. When you do not use the Alarm output function, select **Off**.

- **Digital output:** Select High signal output and Low signal output as your alarm.
- **Trigger condition:** Select the mode of the Alarm output function. You can choose “**Alarm**” or “**Timer**”.
- **Alarm:** Controls alarm output by synchronizing with an external sensor input or the built-in activity detection function.
  - **Motion Detection:** Click it on for using **Motion Detection** function as a sensor. You can set motion detection function at the motion detection function page.

### Motion detection



**Note:** You can set motion detection at motion detection page. (Please go “Setting → Advance → Motion detection → Setting”). For more details, you can check Chapter 8.10.

**Note :** Motion Detection works only when the Video mode is set to MPEG4 and the Cropping is set to Off.

●**Alarm Input:** Select the connected alarm. **Sensor input1:** The external sensor which is connected to sensor input1 of the alarm input.



**Note:**

You can set the alarm input function at alarm input page. (Please go “Setting → Advance → Alarm input → Setting”). For more details, you can check Chapter 8.9.

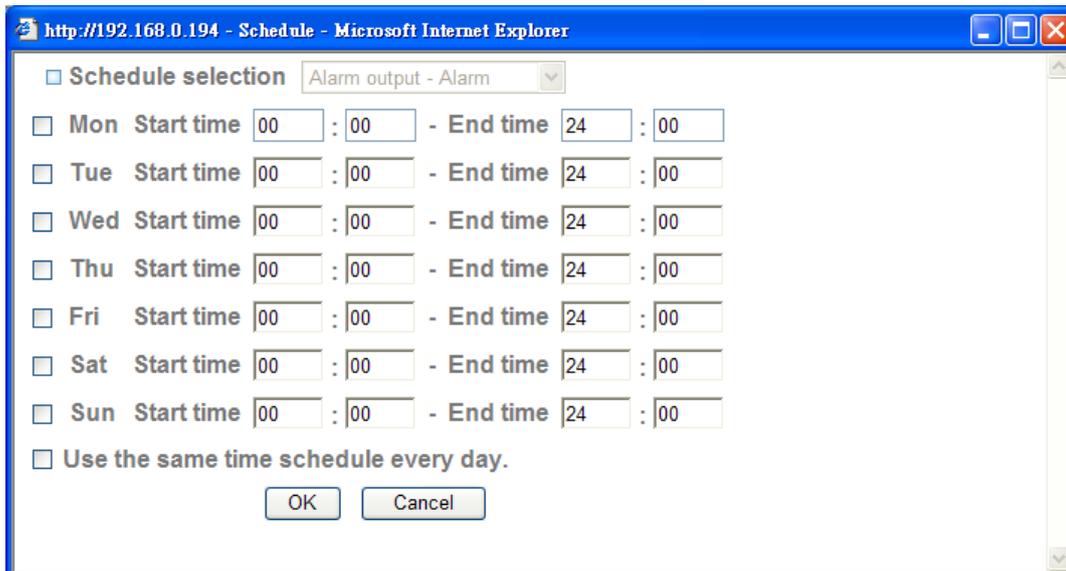
➤ **Alarm duration:** There are up to 60 second options to choose for alarm duration interval.

- **Effective period:** Set the period when the periodical sending is effective.
- **Always:** The periodical sending is always effective.
  - **Schedule:** You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

**Note:**

You can set schedule function at schedule page. (Please go “Setting → Advance → Schedule → Setting”) For more details, you can check Chapter 8.8.

## Schedule

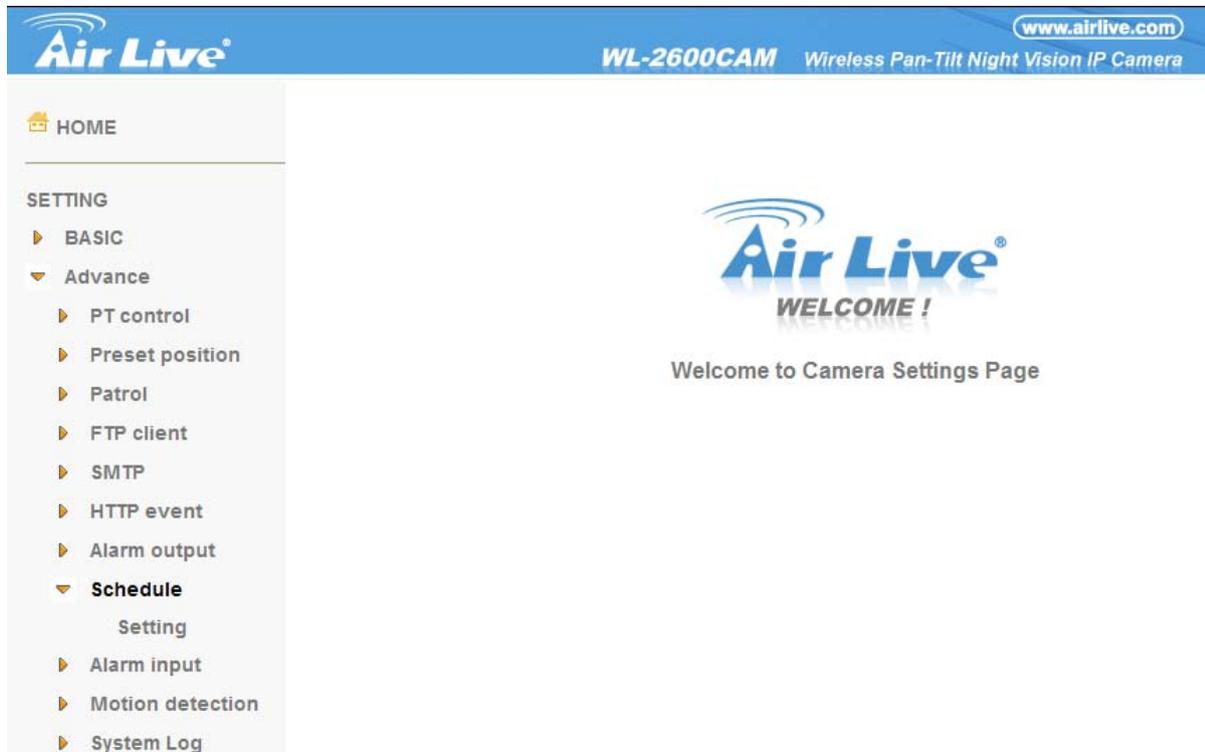


The screenshot shows a web browser window titled "http://192.168.0.194 - Schedule - Microsoft Internet Explorer". The page content includes a "Schedule selection" dropdown menu set to "Alarm output - Alarm". Below this, there are seven rows for days of the week (Mon through Sun), each with a checkbox and two time input fields for "Start time" and "End time". The "Start time" fields are set to "00" and "00", and the "End time" fields are set to "24" and "00". At the bottom, there is a checkbox labeled "Use the same time schedule every day." and two buttons: "OK" and "Cancel".

## 7.8 Schedule

When you click **Schedule** on the Advance mode menu, the Schedule setting menu appears. This is the same menu as the setting menu which is displayed when you click **Schedule** to set Effective period and Schedule in **FTP** client setting menu, e-Mail (**SMTP**) setting menu, Alarm out setting menu and so on.

**Example: When setting e-Mail (SMTP) (the alarm sending) in the Schedule setting menu.**



The screenshot shows the web interface for the Air Live WL-2600CAM. The top navigation bar is blue and contains the Air Live logo, the model name 'WL-2600CAM', and the description 'Wireless Pan-Tilt Night Vision IP Camera'. The website address 'www.airlive.com' is also present. On the left, a sidebar menu lists various settings categories. The 'Schedule' category is currently selected and expanded, showing a sub-menu with 'Setting'. The main content area displays the Air Live logo and a 'WELCOME!' message, followed by the text 'Welcome to Camera Settings Page'.

## 7.8.1 Setting

The screenshot shows the web interface for the AirLive WL-2600CAM. The top navigation bar includes the AirLive logo, the model name 'WL-2600CAM', and the description 'Wireless Pan-Tilt Night Vision IP Camera'. The URL 'www.airlive.com' is also present. On the left, a sidebar menu lists various settings categories: HOME, SETTING (with sub-items: BASIC, Advance, PT control, Preset position, Patrol, FTP client, SMTP, HTTP event, Alarm output, Schedule, Setting, Alarm input, Motion detection, System Log). The main content area is titled 'Schedule selection' and features a dropdown menu currently set to 'FTP - Alarm'. Below this, there are seven rows for days of the week (Mon to Sun). Each row has a checkbox to select the day and two time input fields: 'Start time' and 'End time', both with hour and minute components. The end time is currently set to 24:00. At the bottom of the schedule selection area, there is a checkbox labeled 'Use the same time schedule every day.' and two buttons: 'OK' and 'Cancel'.

➤ **Schedule Selection:** Select the list box to specify the schedule you want to set.

- FTP -Alarm
- FTP - Periodical
- e-Mail (SMTP) -Alarm
- e-Mail (SMTP) -Periodical
- HTTP event -Alarm
- Alarm output- Alarm
- Alarm output- Timer

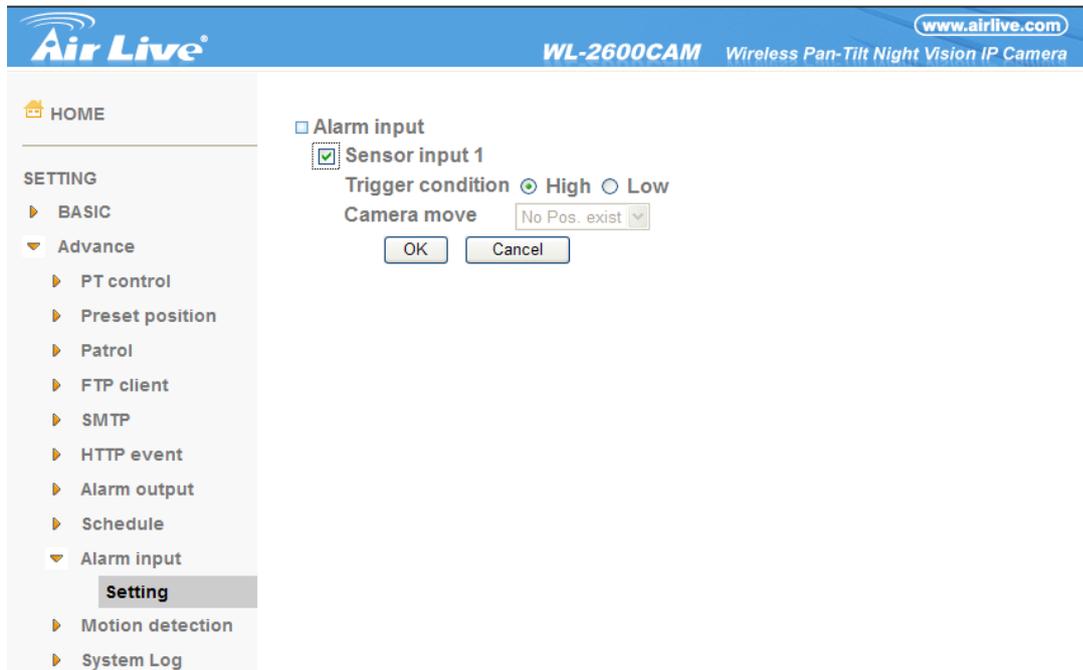
➤ **Mon (Monday) to Sun (Sunday):** The time period on the right of the checked day is the effective period of the schedule.

➤ **Start time, End time:** Specify the **Start time** and the **End time**.

➤ **Use the same time schedule every day:** When this is checked, the **Start time** and **End time** set to **Mon (Monday)** are applied to all days. In this case, the **Start time** and **End time** of the other days than **Mon (Monday)** cannot be input.

## 7.9 Alarm Input

When you click **Alarm Input** on the Advance mode menu, the Alarm input setting menu appears. You can set in this menu to control the external alarm input of I / O port on the rear of the device linked to **FTP, SMTP, and HTTP sending function.**



### 7.9.1 Setting

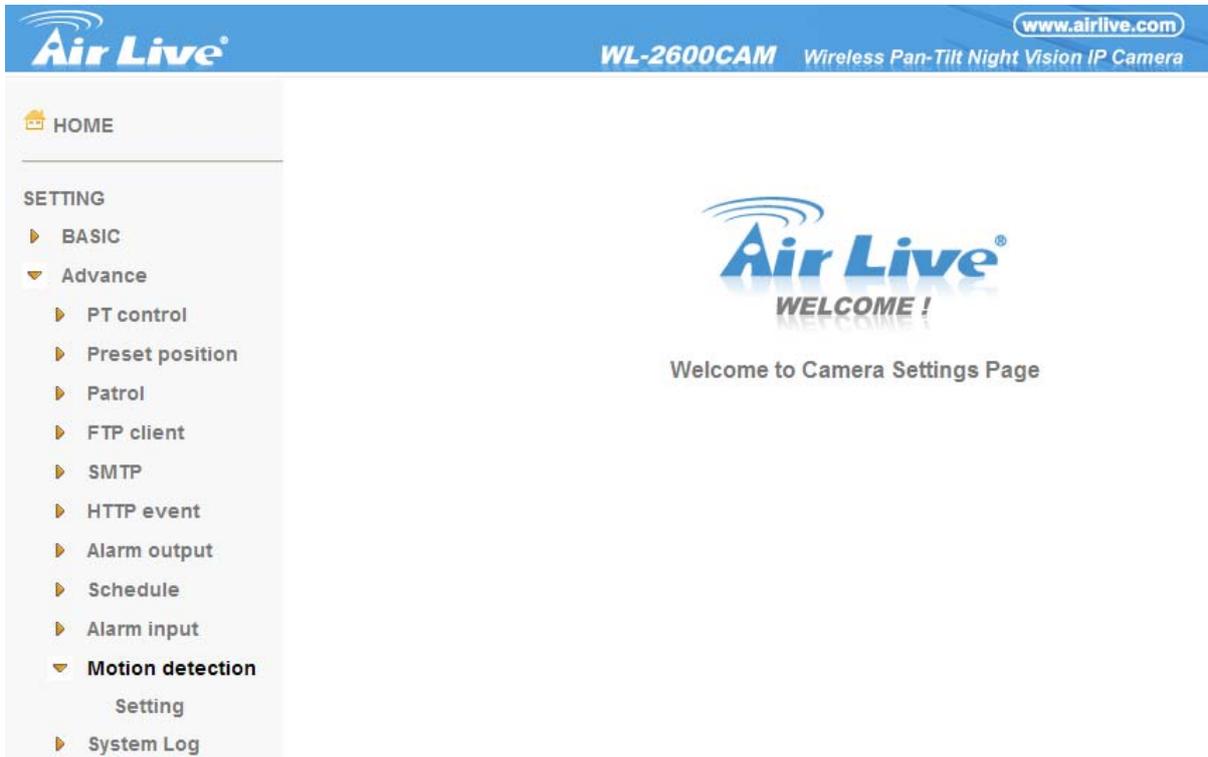
**Sensor input 1:** Click it on for using external sensor which is connected to sensor input1 of the camera I / O port.

➤ **Trigger condition:** Select High signal output and Low signal output as your alarm.

➤ **Camera move:** Pull down the window to select the camera preset position.

## 7.10 Motion Detection

There are three Motion Detection functions as sensors to set for different detecting zones. Each one has Threshold and Sensitivity inputs which you can adjust to specific zone sequentially. Motion Detection function can support to FTP, SMTP and Alarm output for capturing and sending images or starting alarm output.



## 7.10.1 Setting

The screenshot displays the web interface for the Air Live WL-2600CAM. The top navigation bar includes the 'Air Live' logo and the website 'www.airlive.com'. The main content area is divided into a left sidebar and a central video feed. The sidebar contains a 'SETTING' menu with options like 'BASIC', 'Advance', 'PT control', 'Preset position', 'Patrol', 'FTP client', 'SMTP', 'HTTP event', 'Alarm output', 'Schedule', 'Alarm input', 'Motion detection', and 'System Log'. The 'Motion detection' option is expanded, and 'Setting' is highlighted. The central video feed shows a child in a yellow shirt and blue pants pushing a green and yellow toy car. Three colored rectangles (green, red, and blue) are overlaid on the video, indicating motion detection zones. To the right of the video feed is a settings panel for motion detection. It features three sections for 'Motion Detection 1', 'Motion Detection 2', and 'Motion Detection 3'. Each section has a checkbox to enable the function, a 'Threshold' slider, and a 'Sensitivity' slider. An 'OK' button is located at the bottom of the settings panel.

➤ **Threshold:** It means the extent which the alarm will be triggered.

➤ **Sensitivity:** It means that how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans.

● **Motion Detection 1:** Click it on for using **Motion Detection 1** function as a sensor. You can adjust and move the detecting zone by using mouse.

● **Motion Detection 2:** Click it on for using **Motion Detection 2** function as a sensor. You can adjust and move the detecting zone by using mouse.

● **Motion Detection 3:** Click it on for using **Motion Detection 3** function as a sensor. You can adjust and move the detecting zone by using mouse.

## 7.11 System Log

The System Log function allows users to review any changes and events happened. The system starts logging automatically after started.

### 7.11.1 Setting

The screenshot displays the Air Live WL-2600CAM web interface. The top header includes the Air Live logo and the product name 'WL-2600CAM Wireless Pan-Tilt Night Vision IP Camera'. The left sidebar contains a navigation menu with 'HOME', 'SETTING', 'BASIC', 'Advance', and 'System Log' (selected). The 'System Log' section is further divided into 'Setting' and 'Current Log'. The 'Remote Log' section is currently active, showing a checked 'Enable remote log' checkbox, a 'Server name' input field, and a 'Server Port' dropdown menu set to '514'. Below these fields are 'OK' and 'Cancel' buttons. The 'Current Log' section displays a scrollable list of system events, including network startup, RTSP connections, and video connections.

```
Jan 1 00:00:09 <info > SYS: log started
Nov 10 16:11:03 <info > NET: Starting network...
Nov 10 16:11:03 <info > NET: MAC = 00:1B:FE:00:5A:15
Nov 10 16:11:03 <info > NET: Network type = DHCP
Nov 10 16:11:05 <info > WDT: watchdog start
Nov 10 16:11:05 <info > ALARM: Alarm Buffer Event Receive
Nov 10 16:13:14 <info > RTSP: HTTP from 192.168.0.106
Nov 10 16:15:03 <info > RTSP: Close from 192.168.0.106
Nov 10 16:16:27 <info > RTSP: HTTP from 192.168.0.106
Nov 10 16:17:43 <info > RTSP: HTTP from 192.168.0.128
Nov 10 16:18:15 <info > RTSP: Close from 192.168.0.106
Nov 10 16:19:39 <info > RTSP: Close from 192.168.0.128
Nov 10 16:37:28 <info > RTSP: HTTP from 192.168.0.128
Nov 10 16:37:28 <info > RTSP: Close from 192.168.0.128
Nov 10 16:38:38 <info > RTSP: HTTP from 192.168.0.128
Nov 10 16:40:16 <info > RTSP: Close from 192.168.0.128
Nov 10 16:44:00 <info > RTSP: HTTP from 192.168.0.128
Nov 10 16:44:01 <info > RTSP: Close from 192.168.0.128
Nov 10 16:48:50 <info > Video: MPEG4 - New Connection from 192.168.0.128
Nov 10 16:48:50 <info > Video: MPEG4 - Close Connection from 192.168.0.128
```

➤ **Enable remote log:** Enables user to send the log data to a specified log server.

## CHAPTER 8 : APPENDIX

### APPENDIX A – FRAME RATE & BIT RATE TABLE

This chapter provides tables that help you to optimize your IP camera with your network environment. Base on your network upload environment to choose the best Image-Quality setting.  
For example, if the network environment is ADSL 256Kb(upload) / 2Mb(download), the most fluent Image-Quality needs to set up under 256 Kb situation.

#### A.1 MPEG4 @ 30fps / kbps

Quality	640*480	320*240	160*120
Excellent	<b>1000</b>	<b>300</b>	<b>90</b>
Detailed	<b>400</b>	<b>150</b>	<b>50</b>
Good	<b>300</b>	<b>100</b>	<b>30</b>
Standard	<b>250</b>	<b>70</b>	<b>25</b>
Medium	<b>250</b>	<b>55</b>	<b>20</b>

#### A.2 MPEG4 / kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	2048	30	<b>1800</b>	<b>26</b>
640*480	2048	15	<b>2200</b>	<b>16</b>
640*480	1536	30	<b>1500</b>	<b>30</b>
640*480	1536	15	<b>1700</b>	<b>16</b>
640*480	1024	30	<b>1000</b>	<b>30</b>
640*480	1024	15	<b>1000</b>	<b>16</b>
640*480	512	30	<b>500</b>	<b>30</b>
640*480	512	15	<b>600</b>	<b>16</b>
320*240	1536	30	<b>1500</b>	<b>30</b>
320*240	1536	15	<b>1600</b>	<b>16</b>
320*240	1024	30	<b>1000</b>	<b>30</b>
320*240	1024	15	<b>1000</b>	<b>16</b>
320*240	512	30	<b>550</b>	<b>30</b>
320*240	512	15	<b>600</b>	<b>16</b>
160*120	1024	30	<b>950</b>	<b>30</b>
160*120	1024	15	<b>750</b>	<b>16</b>
160*120	512	30	<b>500</b>	<b>30</b>
160*120	512	15	<b>50</b>	<b>16</b>
160*120	128	30	<b>130</b>	<b>30</b>
160*120	128	15	<b>140</b>	<b>16</b>

### A.3 MJPEG @ 15fps / kbps

Quality	640*480	320*240	160*120
Excellent	<b>4000</b>	<b>1500</b>	<b>600</b>
Detailed	<b>2400</b>	<b>900</b>	<b>400</b>
Good	<b>1600</b>	<b>650</b>	<b>300</b>
Standard	<b>1300</b>	<b>500</b>	<b>240</b>
Medium	<b>900</b>	<b>350</b>	<b>170</b>

### A.4 MJPEG / kbps, fps

Image-Size	Quality Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	Excellent	15	<b>4000</b>	<b>13</b>
640*480	Excellent	5	<b>1600</b>	<b>5</b>
640*480	Good	15	<b>1600</b>	<b>13</b>
640*480	Good	5	<b>650</b>	<b>5</b>
640*480	Medium	15	<b>900</b>	<b>14</b>
640*480	Medium	5	<b>360</b>	<b>5</b>
320*240	Excellent	15	<b>1500</b>	<b>13</b>
320*240	Excellent	5	<b>550</b>	<b>5</b>
320*240	Good	15	<b>650</b>	<b>13</b>
320*240	Good	5	<b>260</b>	<b>5</b>
320*240	Medium	15	<b>350</b>	<b>13</b>
160*120	Medium	5	<b>130</b>	<b>5</b>
160*120	Excellent	15	<b>600</b>	<b>13</b>
160*120	Excellent	5	<b>230</b>	<b>5</b>
160*120	Good	15	<b>300</b>	<b>13</b>
160*120	Good	5	<b>115</b>	<b>5</b>
160*120	Medium	15	<b>170</b>	<b>13</b>
160*120	Medium	5	<b>65</b>	<b>5</b>

## APPENDIX B – STORAGE REQUIREMENT TABLE

This chapter provides tables that help you set your recording storage system.

Please refer to the following table to find out the capability for recording into your hard disk.

### B.1 MPEG4 Storage Requirement GB / channel / day @ 30fps

Quality	640*480	320*240	160*120
Excellent	<b>10.5</b>	<b>3.2</b>	<b>0.9</b>
Detailed	<b>4.2</b>	<b>1.6</b>	<b>0.5</b>
Good	<b>3.2</b>	<b>1.1</b>	<b>0.3</b>
Standard	<b>2.6</b>	<b>0.7</b>	<b>0.3</b>
Medium	<b>2.6</b>	<b>0.6</b>	<b>0.2</b>

### B.2 MPEG4 Storage Requirement GB / channel / day @ 15fps

Quality	640*480	320*240	160*120
Excellent	<b>5.3</b>	<b>1.6</b>	<b>0.4</b>
Detailed	<b>2.1</b>	<b>0.8</b>	<b>0.3</b>
Good	<b>1.6</b>	<b>0.6</b>	<b>0.2</b>
Standard	<b>1.3</b>	<b>0.4</b>	<b>0.1</b>
Medium	<b>1.3</b>	<b>0.3</b>	<b>0.1</b>

### B.3 MPEG4 Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate
640*480	2048	30	<b>23.0</b>
640*480	2048	15	<b>22.2</b>
640*480	1536	30	<b>18.5</b>
640*480	1536	15	<b>17.9</b>
640*480	1024	30	<b>10.5</b>
640*480	1024	15	<b>10.5</b>
640*480	512	30	<b>5.3</b>
640*480	512	15	<b>6.3</b>
320*240	1536	30	<b>15.8</b>
320*240	1536	15	<b>16.9</b>
320*240	1024	30	<b>10.5</b>
320*240	1024	15	<b>10.5</b>
320*240	512	30	<b>5.8</b>
320*240	512	15	<b>6.3</b>
160*120	1024	30	<b>10.0</b>
160*120	1024	15	<b>7.9</b>
160*120	512	30	<b>5.3</b>
160*120	512	15	<b>0.5</b>
160*120	128	30	<b>1.4</b>
160*120	128	15	<b>1.5</b>