

***** USER'S MANUAL *****

FCC ID : UTBHLC-81XW

The Federal Communication Commission Statement

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

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

Use only shielded cables to connect I/O devices to this equipment. You are cautioned that change or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

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

User Manual

IP CAMERA





WARNINGS

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MISTURE.

DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

CAUTION

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

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THE TRADEMARKS MENTIONED IN THE MANUAL ARE LEGALLY REGISTERED TO THEIR RESPECTIVE COMPANIES.

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I. Preface

This is a professional CCD IP camera with the web server built in. User can view real-time video via IE browser. It supports MPEG-4 & JPEG video compression which provides smooth and high video quality. The video can be stored in the SD card and playback remotely.

With user friendly interface, it is an easy-to-use IP camera which is designed for security application.

II. Product Specifications

- True Day/Night IR Cut Filter (Optional)
- MPEG4/JPEG compression
- Supports SD card for local recording
- Wireless network connection (Optional)
- 2-way audio
- Support Cell phone/PDA
- Online firmware upgrade
- Compatible with Microsoft Windows Media Player

Specifications

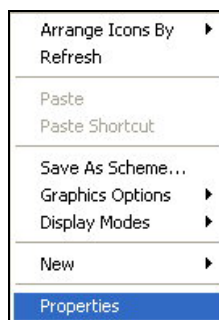
Hardware	
CPU	ARM 9 ,32 bit RISC
SDRAM	64MB
Flash	8MB
Image sensor	1/3" CCD
Lens Changeable	Yes, CS Mount
Support DC IRIS	Yes
I/O	2 in/ 2out
RS-485	Yes
Video Out	1
Microphone	Built-in
Audio Out	1

Power Consumption		LAN : DC 12V, 450mA; WLAN : DC 12V, 550mA
Dimensions (WxHxD)		58 x 65 x 131.5 mm
Network		
Ethernet		10/ 100 Base-T
Network Protocol		HTTP, TCP/ IP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP
Wireless (Optional)		
	Wireless	802.11b/g
	WEP	64/ 128 bit
System		
Video Resolution		NTSC : 720x480, 704x480,352x240, 176x120
		PAL : 720x576, 704x576,352x288, 176x144
Video adjust		Brightness, Contrast, Saturation, Hue
CCD setting		AES, BLC, AGC, Day/ Night(Auto)
Image snapshot		Yes
Full screen monitoring		Yes
Compression format		MPEG-4/ JPEG
Video bitrate adjust		CBR, VBR
Motion Detection		Yes, 3 different areas
Triggered action		Mail, FTP, Save to SD card
Pre/ Post alarm		Yes, configurable
Security		Password protection
Firmware upgrade		HTTP mode, can be upgraded remotely
Simultaneous connection		Up to 10
Audio		Yes, 2-way
SD card management		
Recording trigger		Motion Detection, IP check, Network break down (wire only)
Video format		AVI, JPEG
Video playback		Yes
Delete files		Yes
Web browsing requirement		
OS		Windows 2000, XP, 2003, IE 6.0 or above
Hardware	Suggested	Intel-C 2.0G, RAM : 512MB, Graphic card : 64MB
	Minimum	Intel-C 1.6G, RAM : 256MB, Graphic card : 32MB

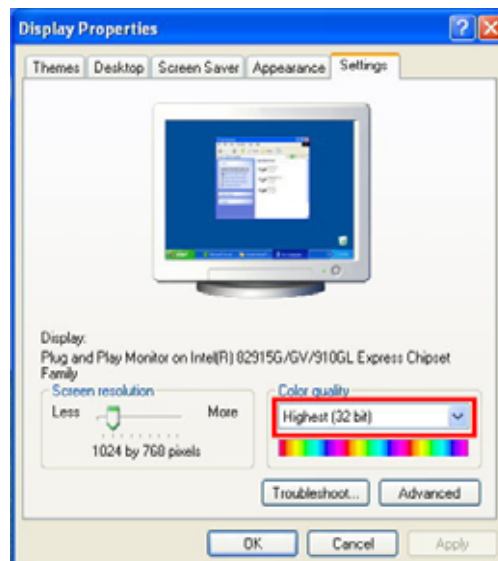
III. Product Installation

A. Monitor Setting

- i. Right-Click on the desktop. Select “ Properties”



- ii. Change color quality to highest (32bit).



B. Hardware Installation

- i. Connect power adaptor



- ii. Connect IP Cam to PC or network with Ethernet cable



- iii. Set up the network configurations according to the network environment.
For further explanation, please refer to chapter VI, "Network Configuration for IP CAMERA".

C. IP Assignment

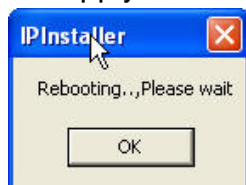
- i. Use the software, "IP Installer" to assign the IP address of IP CAMERA.
The software is in the attached software CD.
- ii. IP installer supports two languages
 - a. IPInstallerCht.exe : Chinese version
 - b. IPInstallerEng.exe : English version
- iii. There are 3 kinds of IP configuration.
 - a. Fixed IP (Public IP or Virtual IP)
 - b. DHCP (Dynamic IP)
 - c. Dial-up (PPPoE)
- iv. Execute IP Installer
- v. For Windows XP SP2 user, it may popup the following message box.
Please click "Unblock".



vi. IP Installer configuration:



- vii. IP Installer will search all IP Cameras connected on Lan. The user can click "Search Device" to search again.
- viii. Click one of the IP Camera listed on the left side. The network configuration of this IP camera will show on the right side. You may change the "name" of the IP Camera to your preference (eg: Office, warehouse). Change the parameter and click "Submit" then click "OK". It will apply the change and reboot the Device.



- ix. Please make sure the subnet of PC IP address and IP CAM IP address are the same.

The same Subnet:

IP CAM IP address: 192.168.1.200

PC IP address: 192.168.1.100

Different Subnets:

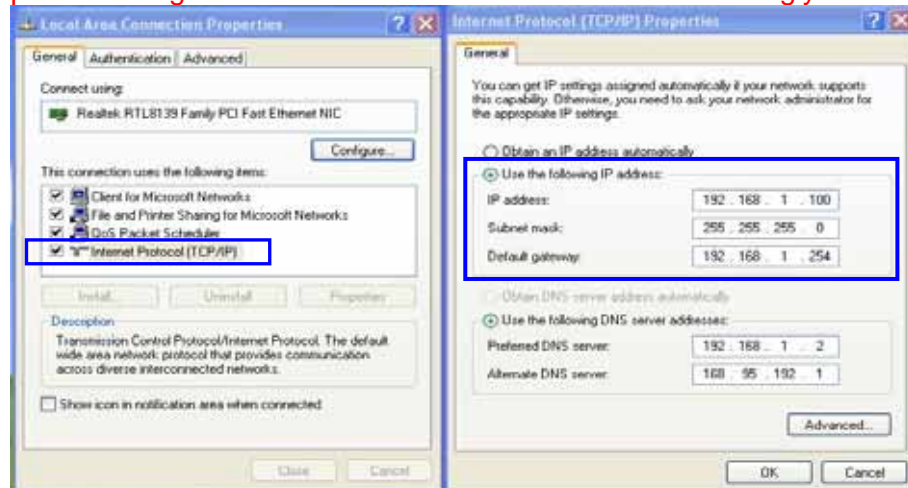
IP CAM IP address: 192.168.2.200

PC IP address: 192.168.1.100

To Change PC IP address:

Control Panel → Network Connections → Local Area Connection Properties → Internet Protocol (TCP/IP) → Properties

Please make sure your IP Camera and PC have the same Subnet. If not, please change IP Camera subnet or PC IP subnet accordingly.



- x. A quick way to access remote monitoring is to left-click the mouse twice on a selected IP Camera listed on "Device list" of IP Installer. An IE browser will be opened.

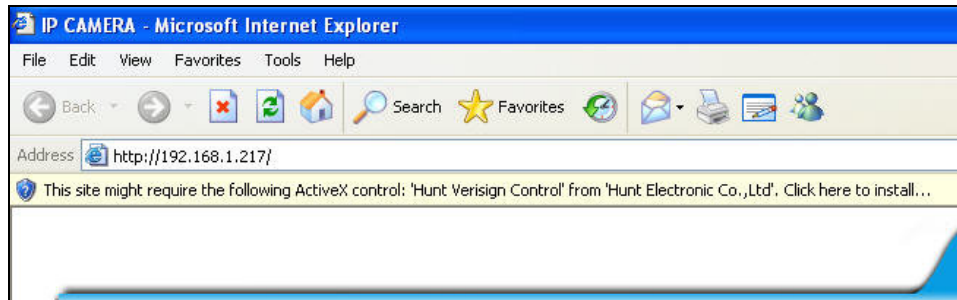


- xi. Then, please key in the default "user name: admin" and "password: admin".



D. Install ActiveX control:

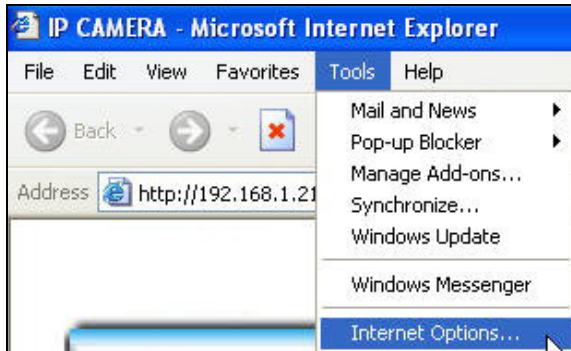
For the first time to view the camera video via IE, it will ask you to install the ActiveX component.



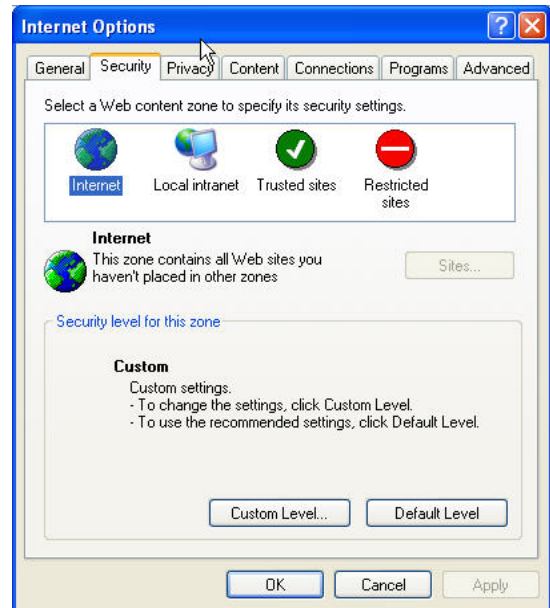
If the installation failed, please check the security setting for the IE browser.

- i. IE → Tools → Internet Options... → Security Tab → Custom Level... → Security Settings → Download unsigned ActiveX controls → Select "Enable" or Prompt.
- ii. IE → Tools → Internet Options... → Security Tab → Custom Level... → Initialize and script ActiveX controls not marked as safe → Select "Enable" or Prompt.

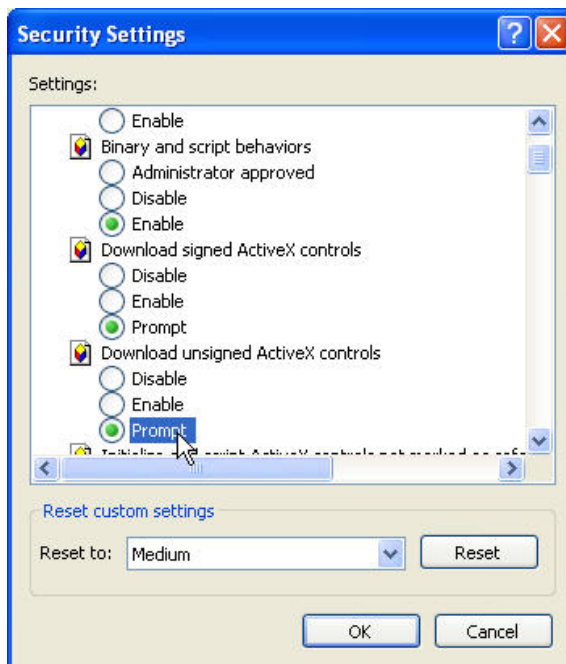
1



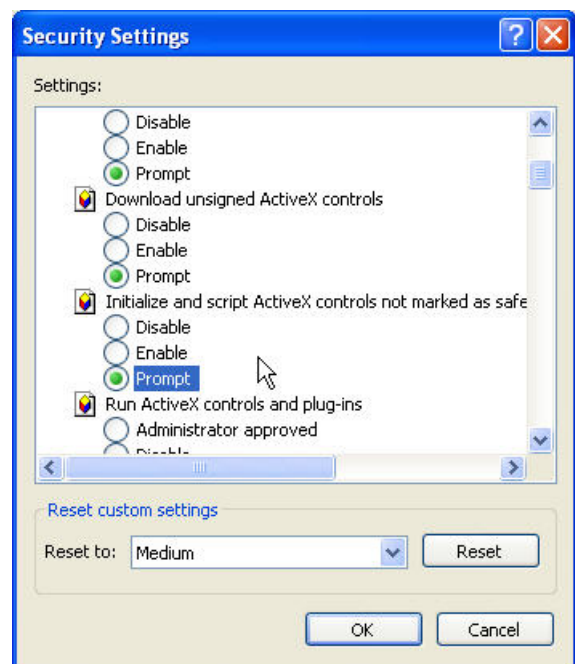
2



3

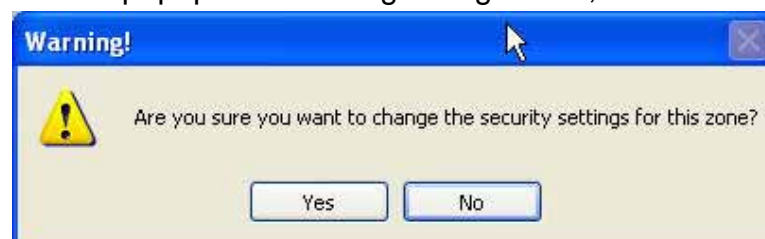


4



5

When popup the following dialogue box, click "Yes".





IV. Live Video

Start a IE browser, type the IP address of the IP camera in the address field. It will show the following dialogue box. Key-in the user name and password. The default user name and password are “**admin**” and “**admin**”.



When connect to the IP CAMERA. The following program interface shows.



1.  : Get into the administration page
2.  : Video Snapshot
3. Shows how many people connect to this IP camera
4. Show system time, video resolution, and video refreshing rate
5. IP CAMERA supports 2-way audio. Click the “Chatting” check box. Then you can use microphone which connect to the PC to talk to server side, which is IP CAMERA side.
6. Control the relay which is connected to this camera.

Double-click the video, it will change to full screen mode. Press “Esc” or double-click the video again, it will change back to normal mode.

Right-Click the mouse on the video, it will show a pop-up menu.



1. Snapshot : Save a JPEG picture
2. Record Start : Record the video in the local PC. It will ask you where to save the video. To stop recording, right-click the mouse again. Select “Record Stop”. The video format is AVI. Use Microsoft Media Player to play the recorded file.
3. Mute : Turn of the audio. Click again to turn on it.
4. Full Screen : Full-screen mode.

V. Configuration



Click



to go back to the live

video page.



The screenshot shows the configuration web interface of an IP camera. On the left is a sidebar menu with icons and labels for various settings: System (gears), Network (globe), AV Setting (camera and microphone), and Event List (document). The main content area is titled 'System Information' and contains several sections: 'Server Information' with fields for 'Server Name' (IP_Camera) and 'MAC Address' (00:0F:8D:28:0C:88); 'Language' with radio buttons for English (selected), 繁體中文, and 简体中文; 'Overlay Setting' with radio buttons for Enabled (selected) and Disabled, and a 'Position' dropdown set to Top-Left; 'Time Setting' with 'Server Time' (2007/5/8 8:58:29), 'Time Zone' (GMT+08:00), 'Date Format' (yy/mm/dd selected), 'Time zone' (GMT+08:00), and options for NTP (selected), Synchronize with PC's time, or Manual time setting. An 'Apply' button is at the bottom right.

A. System

i. System Information

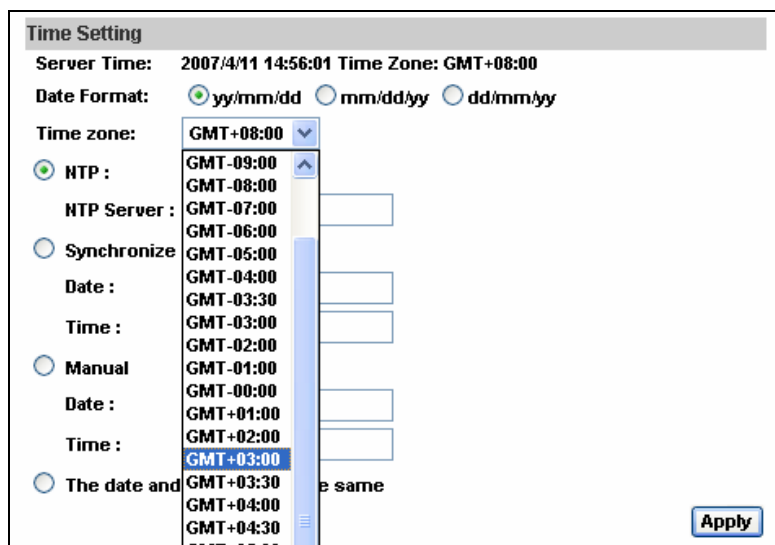
- a. Server Information: Set up the camera name, select language, and set up the camera time.
 1. Server Name : This is the Camera name. This name will show on the IP Installer.
 2. Select language : There are English, Traditional Chinese, and Simplified Chinese to select. When change, it will show the following dialogue box for the confirmation of changing language.



- b. Overlay Setting: select a position where date & time showing on screen.

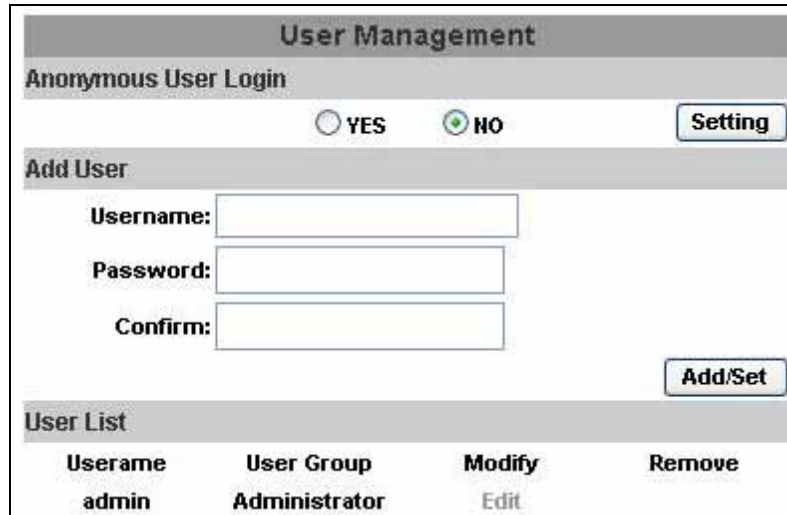


- c. Server time setting : Select options to set up time - "NTP", "Synchronize with PC's time", "Manual", "The date and time remain the same".



ii、 User Management

IP CAMERA supports three different users, administrator, general user, and anonymous user.



The 'User Management' interface is divided into three main sections:

- Anonymous User Login:** Features two radio buttons, 'YES' and 'NO'. The 'NO' button is selected. A 'Setting' button is located to the right.
- Add User:** Contains three input fields labeled 'Username:', 'Password:', and 'Confirm:'. An 'Add/Set' button is positioned to the right of the 'Confirm' field.
- User List:** A table with the following structure:

Username	User Group	Modify	Remove
admin	Administrator	Edit	

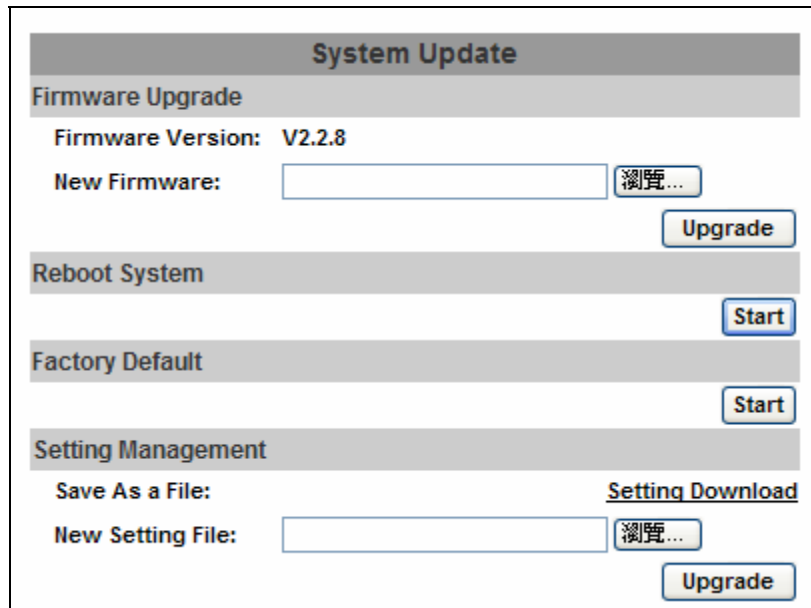
- Anonymous User Login :
Yes : Allow anonymous login
No : Need user name & password to access this IP camera
- Add user :
Type the user name and password, then click "Add/Set".
- Click "edit" or "delete" to modify the user.



The 'User Setup' interface, viewed in Microsoft Internet Explorer, contains the following elements:

- Username:** A text input field containing the value 'admin'.
- Password:** A text input field.
- Confirm:** A text input field.
- OK:** A button located to the right of the 'Confirm' field.

iii、 System update :



The screenshot shows a web interface titled "System Update". It contains four main sections: "Firmware Upgrade", "Reboot System", "Factory Default", and "Setting Management".

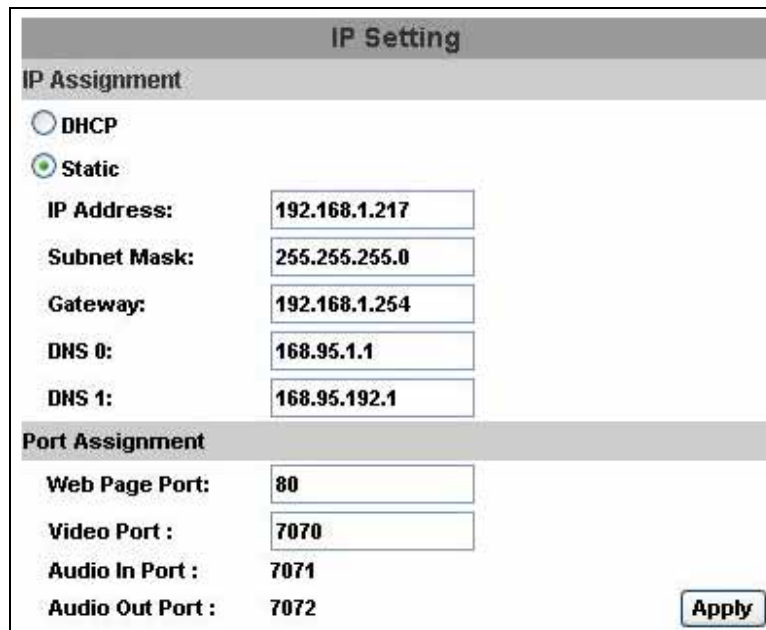
- Firmware Upgrade:** Shows "Firmware Version: V2.2.8". There is a "New Firmware:" label followed by a text input field and a "瀏覽..." (Browse...) button. Below this is an "Upgrade" button.
- Reboot System:** A section with a "Start" button.
- Factory Default:** A section with a "Start" button.
- Setting Management:** Contains "Save As a File:" and "Setting Download" links. Below is a "New Setting File:" label followed by a text input field and a "瀏覽..." (Browse...) button. At the bottom right of this section is an "Upgrade" button.

- a. To update the firmware online, click "Browse..." to select the firmware. Then click "Upgrade" to proceed.
- b. Reboot system : re-start the IP camera
- c. Factory default : delete all the settings in this IP camera.
- d. Setting Management : User may download the current setting to PC, or upgrade from previous saved setting.
 1. Setting download:
Right-click the mouse button on Setting Download → Select "Save AS..." to save current IP CAM setting in PC → Select saving directory → Save
 2. Upgrade from previous setting
Browse → search previous setting → open → upgrade → Setting update confirm → click [index.html](#). to return to main page

B.Network

i、 IP Setting

IP Camera supports DHCP and static IP.

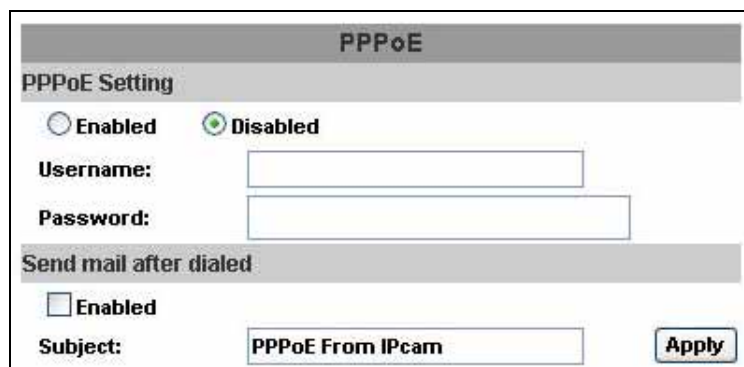


The IP Setting window is divided into two sections: IP Assignment and Port Assignment. In the IP Assignment section, the Static radio button is selected, and the following fields are filled: IP Address (192.168.1.217), Subnet Mask (255.255.255.0), Gateway (192.168.1.254), DNS 0 (168.95.1.1), and DNS 1 (168.95.192.1). In the Port Assignment section, the Web Page Port is 80, Video Port is 7070, Audio In Port is 7071, and Audio Out Port is 7072. An Apply button is located at the bottom right.

IP Setting	
IP Assignment	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IP Address:	192.168.1.217
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.254
DNS 0:	168.95.1.1
DNS 1:	168.95.192.1
Port Assignment	
Web Page Port:	80
Video Port :	7070
Audio In Port :	7071
Audio Out Port :	7072
<input type="button" value="Apply"/>	

- DHCP : Using DHCP, IP CAMERA will get all the network parameters automatically.
- Static IP : Please type in IP address, subnet mask, gateway, and DNS manually.
- Port Assignment: user may need to assign different port to avoid conflict when setting up IP assignment.

ii、 PPPoE :



The PPPoE Setting window has a title bar 'PPPoE' and a section 'PPPoE Setting'. It contains two radio buttons: 'Enabled' (unselected) and 'Disabled' (selected). Below are fields for 'Username:' and 'Password:'. A section 'Send mail after dialed' contains an 'Enabled' checkbox (unselected) and a 'Subject:' field with the text 'PPPoE From IPcam'. An Apply button is at the bottom right.

PPPoE	
PPPoE Setting	
<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
Username:	
Password:	
Send mail after dialed	
<input type="checkbox"/> Enabled	
Subject:	PPPoE From IPcam
<input type="button" value="Apply"/>	

Select "Enabled" to use PPPoE.

Key-in Username and password for the ADSL connection.

Send mail after dialed : When connect to the internet, it will send a mail to a specific mail account. For the mail setting, please refer to “Mail and FTP” settings.

iii、 DDNS :

It supports DDNS (Dynamic DNS) service.

a. DynDNS :

DDNS

DDNS Setting

☐ Enabled ☒ Disabled

Provider:

dyndns.org

Hostname:

Username:

Password:

Schedule Update:

1440

 Minutes

State

Idle

Apply

Note:

1. Schedule Update: Feature of DDNS schedule update is designed for IP products which installed behind the ICS or NAT devices. Update range from every 5 (minutes) to 5000 (minutes) and 0 remain to off.

2. Please note that the hostname will be blocked by DynDNS.org if schedule update is more than once every 5 minutes to 60 minutes. In general, schedule update in every 1440 minutes is recommended.

1. Enable this service
2. Key-in the DynDNS server name, user name, and password.
3. Set up the IP Schedule update refreshing rate.
4. Click “Apply”
5. If setting up IP schedule update too frequently, the IP may be blocked. In general, schedule update every day (1440 minutes) is recommended.

b. Camddns service :

DDNS

DDNS Setting

☐ Enabled ☒ Disabled

Provider: ddns.camddns.com

Username:

Schedule Update: 1440 Minutes

State

Idle

Apply

Note:
1. Schedule Update: Feature of DDNS schedule update is designed for IP products which installed behind the ICS or NAT devices. Update range from every 5 (minutes) to 5000 (minutes) and 0 remain to off.
2. Please note that the hostname will be blocked by DynDNS.org if schedule update is more than once every 5 minutes to 60 minutes. In general, schedule update in every 1440 minutes is recommended.

1. Please enable this service
 2. Key-in user name.
 3. IP Schedule update is default at 5 minutes
 4. Click "Apply".
- c. DDNS Status
1. Updating : Information update
 2. Idle : Stop service
 3. DDNS registration successful, can now log by
<http://<username>.ddns.camddns.com> : Register successfully.
 4. Update Failed, the name is already registered : The user name has already been used. Please change it.
 5. Update Failed, please check your internet connection : Network connection failed.
 6. Update Failed, please check the account information you provide : The server, user name, and password may be wrong.

iv、 Wireless Setting (Wireless Network Optional)

Supports 802.11 b/g wireless connection.

Notice : Wireless network and Ethernet network use the same IP, the user has to unplug Ethernet cable, if Ethernet cable is not unplug, wireless setting can not be executed.

Wireless Setting			
Status of Wireless Networks			
SSID	Mode	Security	Signal strength
allan	Infrastructure	WPA	79
RHOSON	Infrastructure	WEP	16
Link	Infrastructure	OFF	16
SinoStar	Infrastructure	WEP	11
7f-2	Infrastructure	WEP	12
00160159A7FA	Infrastructure	WEP	56
RDTEST	Infrastructure	WEP	48
3Com	Infrastructure	OFF	43
Default	Infrastructure	WPA	74

Wireless Setting	
MAC Address:	00:16:16:16:DD:E1
Mode:	Infrastructure ▼
Operation Mode:	Auto ▼
SSID:	allan
Security:	None ▼
<input type="button" value="Apply"/>	

- a. Status of Wireless Networks ;
scan all wireless services.

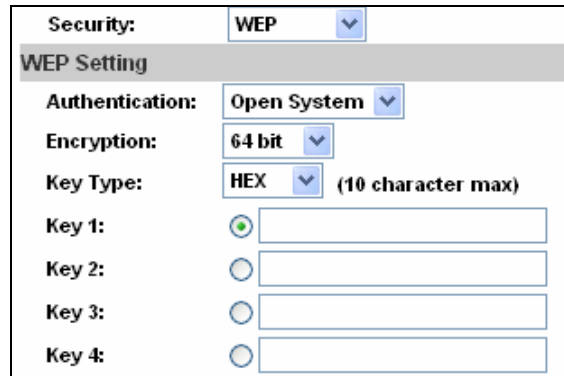
- b. Wireless Setting :

1. **Mode** : There are Infrastructure and Ad-hoc. Infrastructure is for connecting with the router. Ad-hoc is for connecting with PC. There is "Channel" to select only when user uses Ad-hoc mode.

e.g. If one PC's channel is 1, the other's channel has to 1, too.

Wireless Setting	
MAC Address:	00:11:E2:03:37:48
Mode:	Ad-hoc ▼
Operation Mode:	Auto ▼
SSID:	Default
Channel:	6 ▼
Security:	None ▼

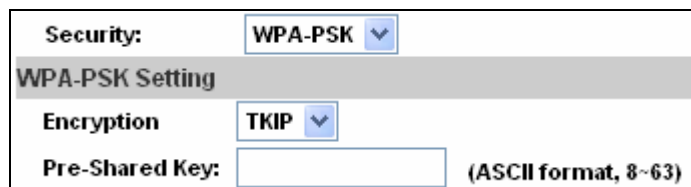
2. **SSID** : Based on AP setting.
3. **Channel** : This is only be used when the user selects Ad-hoc mode in order to avoid conflict.
4. **Security** : It supports “None”, “WEP”, “WPA-PSK” security encryption based on the setting of the Router.
5. **WEP** :



The image shows a screenshot of the WEP configuration interface. At the top, 'Security:' is set to 'WEP'. Below this is a section titled 'WEP Setting'. Inside this section, 'Authentication:' is set to 'Open System', 'Encryption:' is set to '64 bit', and 'Key Type:' is set to 'HEX' with a note '(10 character max)'. There are four rows for keys, labeled 'Key 1:' through 'Key 4:'. Each row has a radio button and a text input field. The radio button for 'Key 1:' is selected.

- Authentication : There are Open System and Shared Keys, it is based on different encryptions. This has to be the same as the Router’s setting.
- Encryption : There are 64 bits and 128 bits. This is based on Key Type based on the Router’s setting.
- Key Type : There are HEX and ASCII. When selecting HEX, the user only can input 0~9 characters and use A, B, C, D, E, and F.
- When selecting ASCII, the user can input any character.
- (Case sensitive)
- Key 1~4 : Based on Key Type to input characters.

6. **WPA-PSK** :



The image shows a screenshot of the WPA-PSK configuration interface. At the top, 'Security:' is set to 'WPA-PSK'. Below this is a section titled 'WPA-PSK Setting'. Inside this section, 'Encryption' is set to 'TKIP'. There is a text input field for 'Pre-Shared Key:' with a note '(ASCII format, 8~63)'.

- Encryption : There are TKIP and AES.
- Pre-Shared Key : Allow any characters .(Case sensitive)

C.A/V Setting

i. Image Setting


Camera


Image Setting

Brightness:	0	▼
Contrast:	0	▼
Hue:	0	▼
Saturation:	0	▼

Default

CCD Setting

Auto Electronic Shutter:	<input checked="" type="radio"/> ON <input type="radio"/> OFF
Back Light Compensation:	<input type="radio"/> ON <input checked="" type="radio"/> OFF
Automatic Gain Control:	<input type="radio"/> ON <input checked="" type="radio"/> OFF

Adjust "Brightness", "Contrast", "Hue", "Saturation" to get clear video.

For CCD Setting, IP CAMERA supports "Auto Electronic Shutter", "Back Light Compensation", and "Automatic Gain Control".

ii. Video Setting

a. Basic Mode :

Video Setting

Video Setting

<input checked="" type="radio"/> Basic Mode	<input type="radio"/> Advanced Mode
Resolution:	D1 - 720x480 ▼
Quality:	Standard ▼
Video Format:	MPEG4 ▼

Apply

1. Resolution :

There are 4 resolutions to choose.

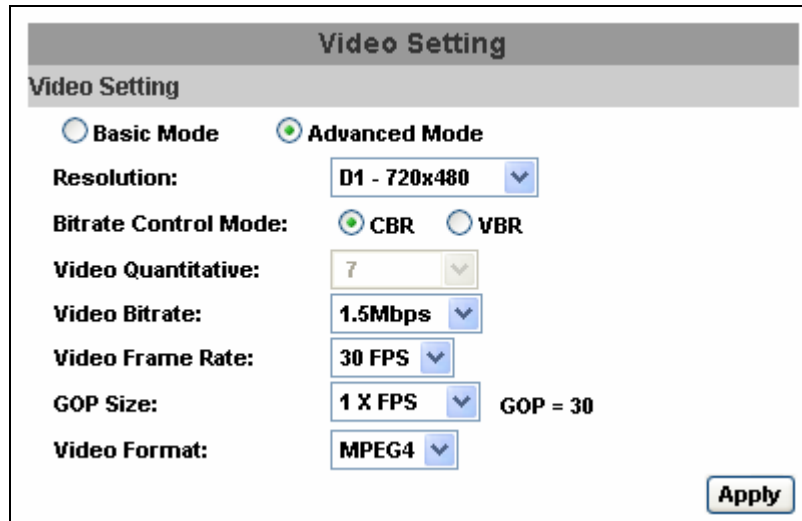
	NTSC	/	PAL
D1	– 720x480	/	720x576
4CIF	– 704x480	/	704x576
CIF	– 352x240	/	352x288
QCIF	– 176x120	/	176x144

2. Quality :

There are 5 levels to adjust, The higher the quality is, the bigger the file size is.

3. Video Format : MPEG4 or JPEG.

b. Advanced Mode :



Video Setting

Video Setting

☐ Basic Mode ☒ Advanced Mode

Resolution: D1 - 720x480

Bitrate Control Mode: ☒ CBR ☐ VBR

Video Quantitative: 7

Video Bitrate: 1.5Mbps

Video Frame Rate: 30 FPS

GOP Size: 1 X FPS GOP = 30

Video Format: MPEG4

Apply

1. Resolution :

There are 4 resolutions to choose.

	NTSC	/	PAL
D1	– 720x480	/	720x576
4CIF	– 704x480	/	704x576
CIF	– 352x240	/	352x288
QCIF	– 176x120	/	176x144

2. Bitrate Control Mode

There are CBR (Constant Bit Rate) and VBR (Variable Bit Rate) to use.

CBR : 64Kbps~4Mbps. (the higher the CBR is, the better the video quality is)

VBR : 1~10 (Compression Rate)

3. Video Frame Rate

The video refreshing rate per second.

4. GOP

It means "Group of Pictures". The higher the GOP is, the better the quality is.

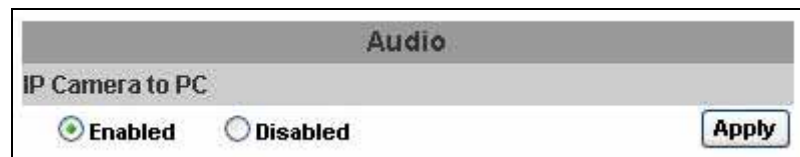
5. Video Format :

There are 2 Video Format to choose
MPEG4 or JPEG.

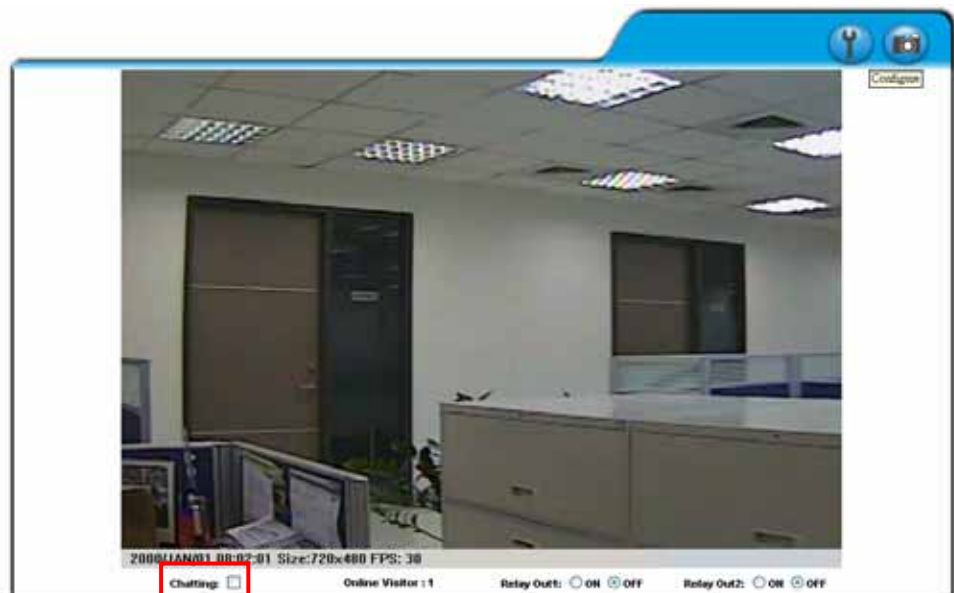
iii、 Audio :

IP CAMERA supports 2-way audio. User can send audio from IP Camera Built-in mic to remote PC; User can also send audio from remote PC to IP Camera's external speaker.

- a. Audio from IP camera built-in mic to local PC: select "Enable" to start this function.



- b. Audio from local PC to IP Camera: Check "chatting" in the browsing page.

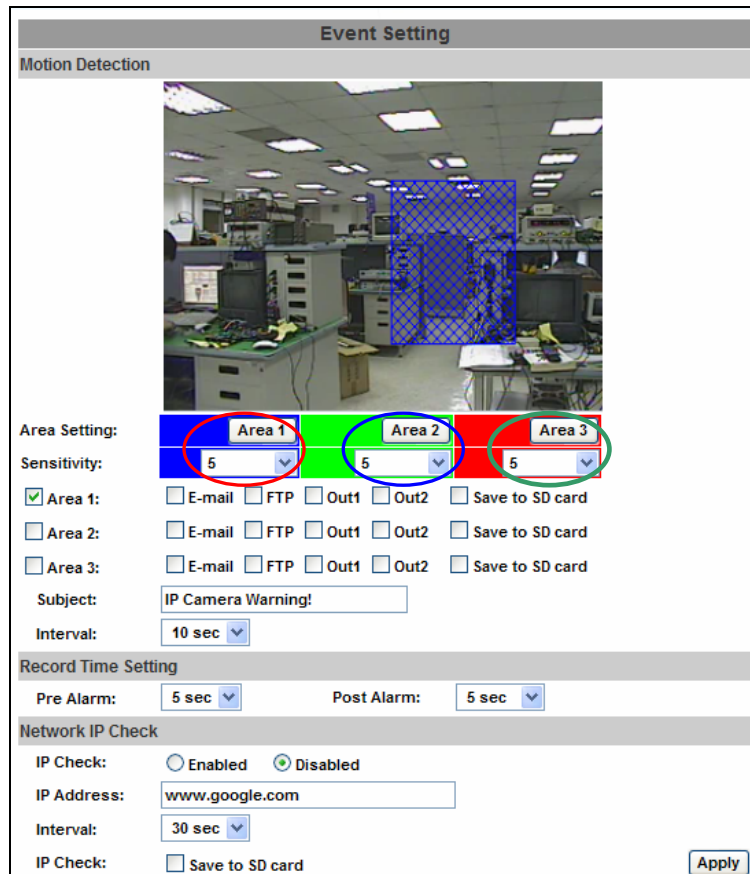


The Audio will not be smooth when enable SD card recording function simultaneously.

D.Event List

IP CAMERA provides multiple event settings.

i、 Event Setting



a. Motion Detection :

IP CAMERA allows 3 areas motion detection. When motion is triggered, it can send the video to some specific mail addresses, transmit the video to remote ftp server, trigger the relay, and save video to local SD card. To set up the motion area, click “Area Setting”. Using mouse to drag and draw the area. The same operation for area 2 and 3.

b. Record Time Setting :

Pre Alarm and Post Alarm setups for video start and end time when motion detected, I/O, or other devices got triggered.

c. Network Dis-connected :

When the network is down, it will save the video to local SD card.

This function is only enabled in wire connection.

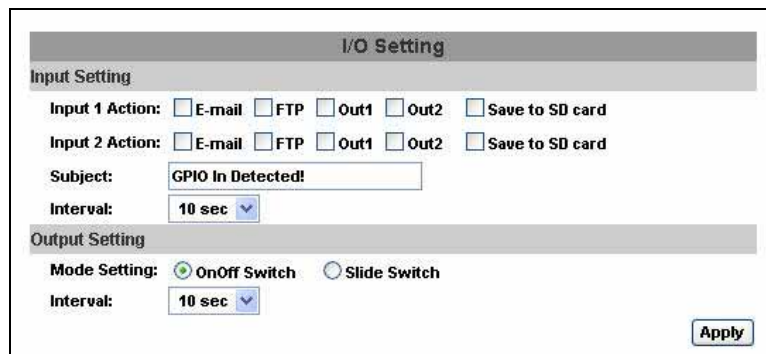
d. Network IP check

When the connection is down, it records the video to SD card. Make sure the video recording is continuous. To use this function, key in the IP address of the PC which has recording software installed. Enable the function of "Save to SD card", then click "Apply".

The interval of two video files on SD card is fixed with 30 seconds.

ii、 I/O Setting

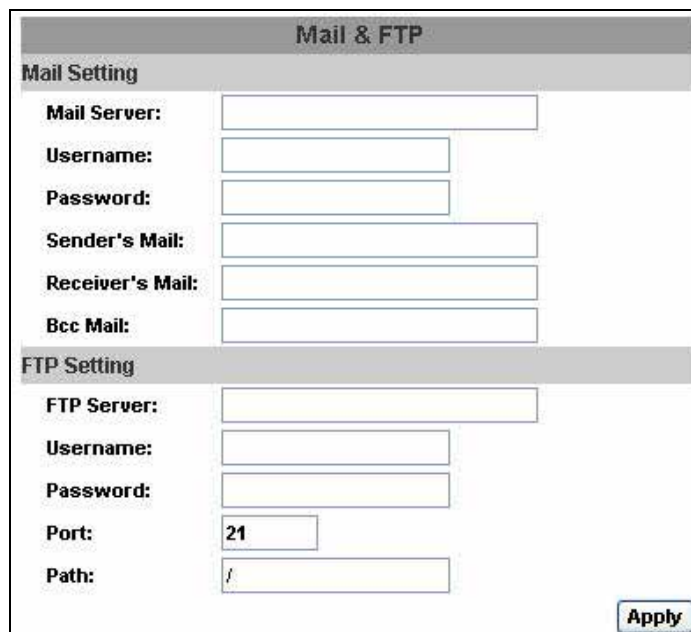
IP CAMERA supports 2 input/ 2 output. When input is triggered, it can send the video to some specific mail addresses, transmit the video to remote ftp server, trigger the relay, and save video to local SD card.



The I/O Setting window is divided into two main sections: Input Setting and Output Setting. The Input Setting section includes fields for Input 1 Action and Input 2 Action, each with checkboxes for E-mail, FTP, Out1, Out2, and Save to SD card. Below these are fields for Subject (set to 'GPIO In Detected!') and Interval (set to 10 sec). The Output Setting section includes a Mode Setting with radio buttons for OnOff Switch (selected) and Slide Switch, and an Interval field set to 10 sec. An Apply button is located at the bottom right.

iii、 Mail & FTP

To send out the video via mail of ftp, please set up the configuration first.



The Mail & FTP window is divided into two main sections: Mail Setting and FTP Setting. The Mail Setting section includes fields for Mail Server, Username, Password, Sender's Mail, Receiver's Mail, and Bcc Mail. The FTP Setting section includes fields for FTP Server, Username, Password, Port (set to 21), and Path (set to /). An Apply button is located at the bottom right.

iv、 Log List

Log List	
System Logs	Logs
Motion Detection Logs	Logs
I/O Logs	Logs
All Logs	Logs

Sort by System Logs, Motion Detection Logs and I/O Logs. In addition, System Logs and I/O Logs won't lose data due to power failure.

v、 SD card

Please Insert SD card before use it. Make sure pushing SD card into the slot completely.

Note : The use of the SD card will affect the operation of the IP CAMERA slightly, such as affecting the frame rate of the video.



a. Playback:

Playback	
19700101	20060417
SD Card: << 878M / 982M >>	

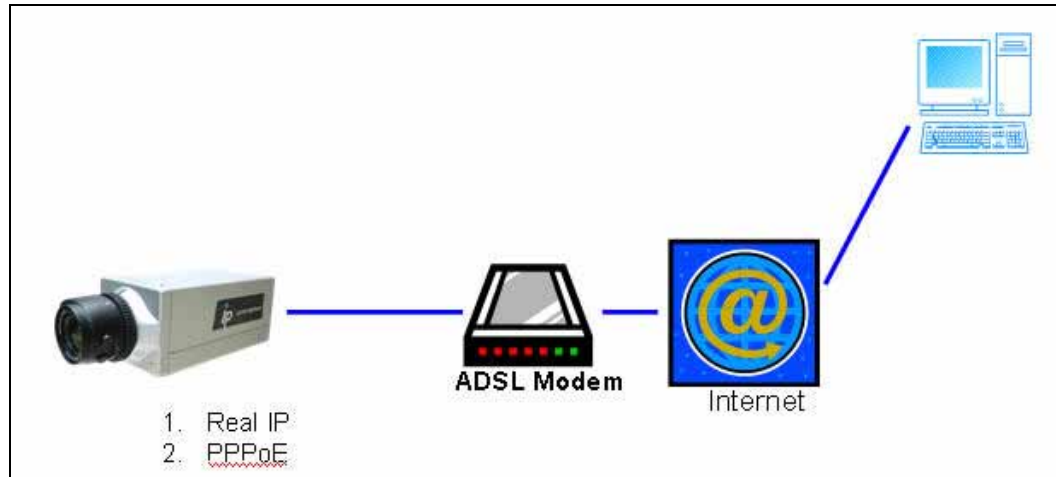
b. It will show the capacity of the SD card. Click the date listed on this page. It will show the list of the video.

2006/04/17			Del
Time	Video	Event Type	
09:05:22	090522f.avi	Network Dis-connected	<input type="checkbox"/>
09:05:52	090552f.avi	Network Dis-connected	<input type="checkbox"/>
09:06:22	090622f.avi	Network Dis-connected	<input type="checkbox"/>
09:06:52	090652f.avi	Network Dis-connected	<input type="checkbox"/>
09:07:22	090722f.avi	Network Dis-connected	<input type="checkbox"/>
09:07:52	090752f.avi	Network Dis-connected	<input type="checkbox"/>
09:08:22	090822f.avi	Network Dis-connected	<input type="checkbox"/>
09:08:51	090851f.avi	Network Dis-connected	<input type="checkbox"/>
09:09:21	090921f.avi	Network Dis-connected	<input type="checkbox"/>
09:09:51	090951f.avi	Network Dis-connected	<input type="checkbox"/>
1 2 3 4 5			

1. The video format is AVI. Click the video to start Microsoft Media Player to play it.
2. To delete the video, check it, then click **Del**. When the SD card is full, it will remove the oldest video automatically.

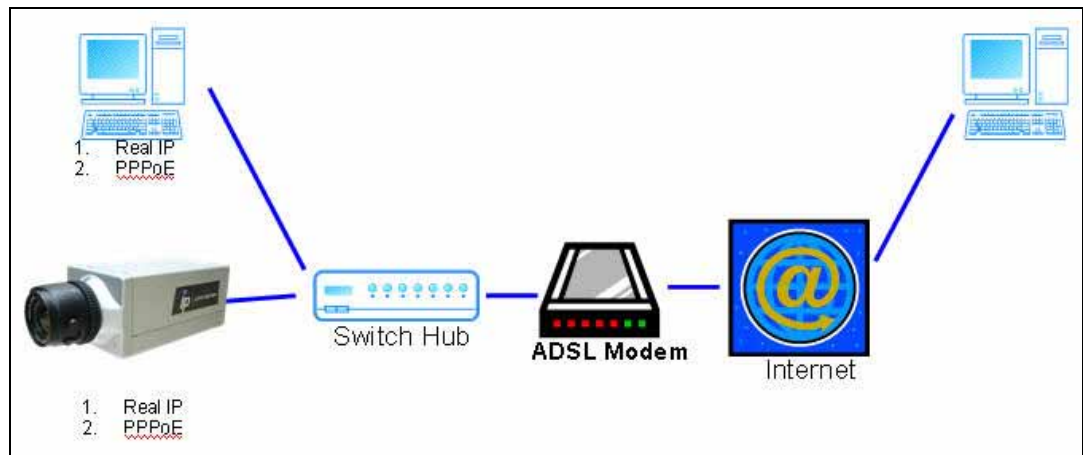
VI. Network Configuration

i、 Configuration 1 :



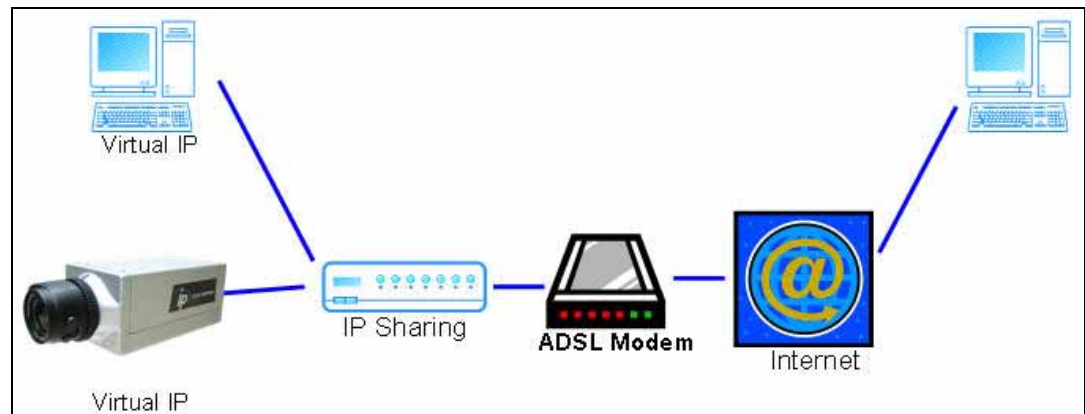
- a. Internet Access : ADSL or Cable Modem
- b. IP address : One real IP or one dynamic IP
- c. Only IP CAMERA connects to the internet
- d. For fixed real IP, set up the IP into IP CAMERA. For dynamic IP, start PPPoE.

ii、 Configuration 2 :



- a. Internet Access : ADSL or Cable Modem
- b. IP address : More than one real IP or one dynamic IP
- c. IP CAMERA and PC connect to the internet
- d. Device needed : Switch Hub
- e. For fixed real IP, set up the IP into IP CAMERA and PC. For dynamic IP, start PPPoE.

iii、 Configuration 3 :



- a. Internet Access : ADSL or Cable Modem
- b. IP address : one real IP or one dynamic IP
- c. IP CAMERA and PC connect to the internet
- d. Device needed : IP sharing
- e. Use virtual IP, set up port forwarding in IP sharing.

VII. Factory Default

- i、 To recover the default IP address and password, please follow the following steps.
- ii、 Remove power, and press and hold the button in the back of IP CAMERA.



- iii、 Power on the camera. Don't release the button during the system booting.
- iv、 It will take around 30 seconds to boot the camera.
- v、 Release the button when camera finishes proceed.
- vi、 Re-login the camera using the default IP (<http://192.168.1.200>), and user name (admin), password (admin).

VIII. Package contents

- i、 IP CAMERA Network Camera
- ii、 Adaptor
- iii、 Ethernet Cable
- iv、 CD title (User manual, IP installation Utility)

Appendix I

SD Card Recommended :

SanDisk 128M	Tracend 128M 80X
SanDisk 256M	Tracend 256M 80X
SanDisk 512M	Tracend 512M 80X
SanDisk 1G	Tracend 1G 80X
SanDisk 2G	Tracend 2G 80X
SanDisk 4G	Tracend 4G 80X