



3G MPEG-4 Pan/Tilt Network Camera

User Manual
Ver.0.2

MCAS-400PTG



PT Network Camera

Caution:

To avoid risk of fire or shock hazard, do not expose the unit to rain, liquid, water, or extreme humidity.

To avoid risk of electrical shock, do not touch the cabinet of AC Adapter. Refer service to authorized personnel only.

For consumers in the United States

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

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

Defects or damages resulting from improper service, testing, adjustment, installation, maintenance, alteration or modification by unauthorized service personnel are excluded from coverage

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Part 15 of FCC Rules.

Declaration of Conformity

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

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

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Overview

This user's guide is generated in PDF file which helps consumer go through installation processes on the computer monitor. However consumers can also print out manual for easier access during installation. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in this user's guide are based upon the latest available information and are believed to be accurate at the time of creating.

Introduction

Network Camera is an inexpensive fully scalable surveillance technology. Because the Network Cameras can be plugged in to your existing computer network infrastructure, you will potentially save thousands of dollars on unnecessary cabling.

The Network Camera is accessible via the LAN or Internet connection. Connect your Network Camera directly to a computer network or DSL modem, and with a standard Web browser you get instant, on demand video streams. Within minutes you can set up the Network Camera to capture a video sequence to a PC. Live video image can be uploaded to a website for the world to see or made available only to select users on the network.

Features:

- **High quality 1/3" Color CCD sensor**
- **Composite video output**
- **Motorized and wide-range pan and tilt operation**
- **Horizontal rotation (pan) range 0°~325°**
- **Vertical rotation (tilt) range 0°~90°**
- **MPEG-4 video compression**
- **Built-in internal microphone**
- **Remote-Control via Internet Explorer**
- **Support static and dynamic IP address**
- **16 Preset Points**
- **Surveillance software (VidoViewer MPEG4)**
- **On-line firmware upgrade**

Application:

- Remote monitoring
- Surveillance

Minimum System Requirement

- Microsoft Internet Explorer 5.0 or later
- VGA Monitor resolution 1024 x 768 (for VidoViewer)
- Pentium III 800MHz or above
- Memory Size: 128MB or above
- VGA card resolution: 800x600 or above
- Windows 2000, XP, or 2003



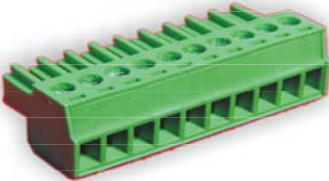

Package Contents



Following items are included in a package:

- Network Camera x 1
- Power adapter x 1
- Decoration ring x 1
- Screw x 4
- Extensible Microphone x 1
- Terminal Block for I/O Interface x 1
- Installation software and manual CD x 1

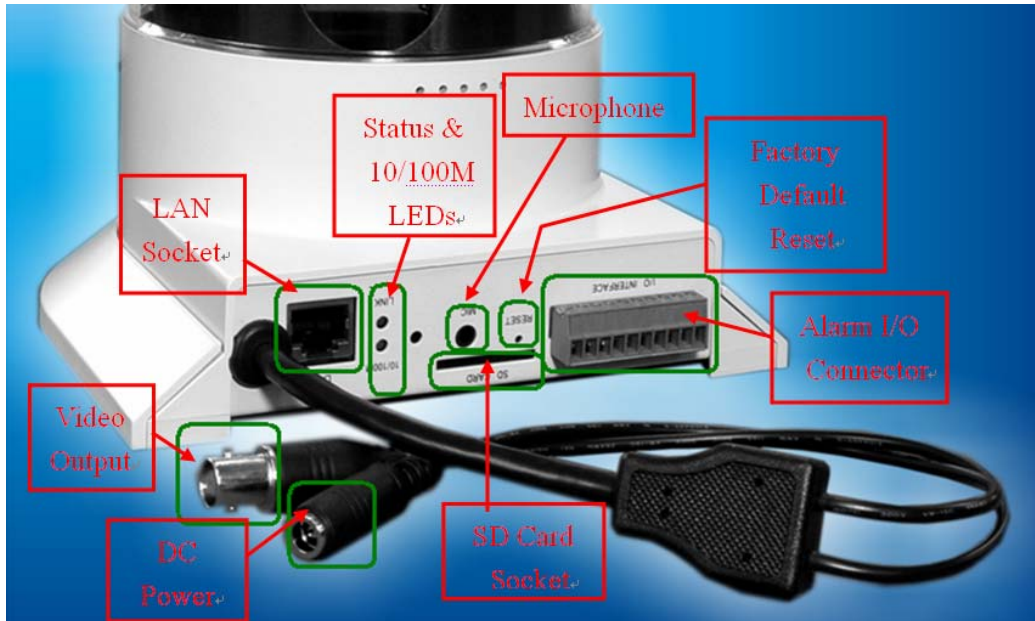
Item	Descriptions
	1. Device Unit is the main element of the system.
	2. Switching Power Adapter Input:110V~240V AC Output:12V DC, 1.5A
	3. Decorate the mounting parts.

	<p>4. Screws are used to fix the device.</p>
	<p>5. Extensible Microphone</p>
	<p>6. Terminal Block is used to provide an easy fixing interface for the wire connection from alarm devices and sensor devices to the device.</p>
	<p>7. User Manual provides important information and instructions for operating the video server. Free-bundled application software "VidoViewer" and License Key. The freeware K-Lite Codec Pack for playing AVI files.</p>

If any of the above items are missing, please contact your dealer immediately.

Note: Using a power supply with a different voltage other than the one included with the Network Camera will cause damages and void the warranty for this product.

Connections



DC Power and Video Output Cable

The DC power input and video output cable are located on the Network Camera's back panel. The input power is 12VDC. Note that supply the power to the Network Camera with standard power adapter included in package. Otherwise, the improper power adapter may damage the unit and cause damages or injury.

The Network Camera also provides composite video output. User can use BNC video cable to connect the Network Camera with a TV monitor or VCR.

LAN Socket

Beside the DC power and video output cable, the LAN socket is an RJ-45 connector for connections to 10Base-T Ethernet or 100Base-TX Fast Ethernet cabling.

Status (LINK) & 10/100M Ethernet LEDs

The Status (Link) and 10/100M Ethernet LEDs are both located on the left side of the back panel of the Network Camera. The 10/100M Ethernet LED shows orange when system boots up successfully.

Status (Link) LED is designed to indicate the status of Network connection. When not connected to the Network Camera, the LED turns off and flashes green when Network Camera is in operation.

Microphone

The Network Camera's has a microphone jack. This jack is above the SD card socket.

Factory Default Reset

This button is hidden in the pinhole above the SD card socket. Please refer to the Appendix A in this manual for more information.

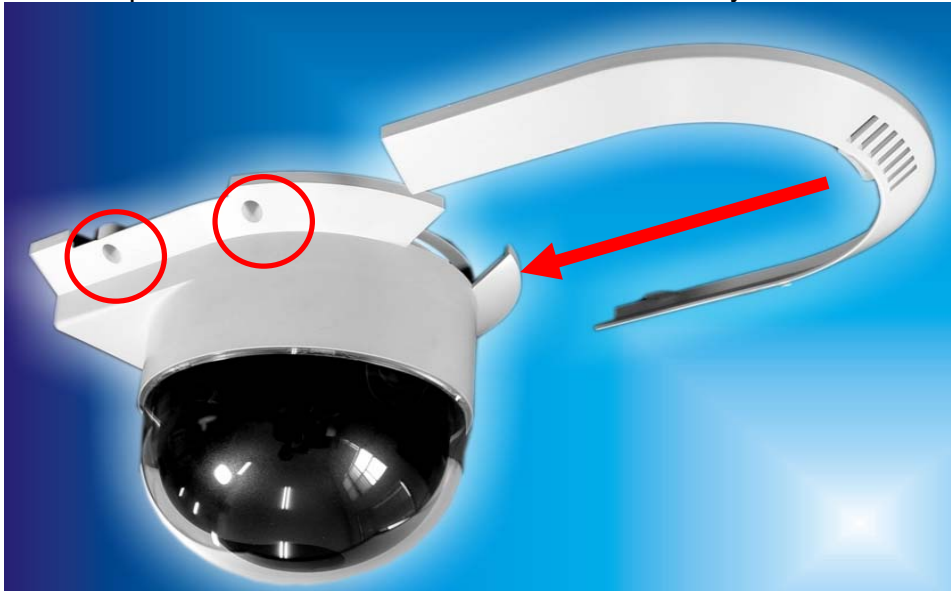
Alarm I/O Connector

The Network Camera provides an alarm I/O Connector with 10 pins of connectors located on the right side of the back panel. There are 4 pins for two alarm inputs and 3 pins are for alarm output. The Terminal Block is physical interface to sense and/or activate alarm signals to a variety of external sensors or alarms. Please refer to the Appendix B in this manual for more information.

Hardware Installation

1. Fix the Network Camera to Ceiling

Use 4 screws to fix the Network Camera onto the ceiling as shown below. You can also put the Network Camera on the table directly.



2. Plug an Ethernet cable into Network Camera

Connect an Ethernet cable to the LAN socket located on the Network Camera's back panel and attach it to the network.



3. Connect the external power supply to Network Camera

Connect the external power supply to the DC power connector attached on the extension cable from the Network Camera. Note: use the power adapter, 12V DC, included in the package and connect the other end to wall outlet for AC power.



When you have installed the Network Camera properly, the 10/100M LED will turn orange. It means the system is booting up successfully. Furthermore, if you have a proper network connection, and access to the Network Camera, the LINK LED will flash green.

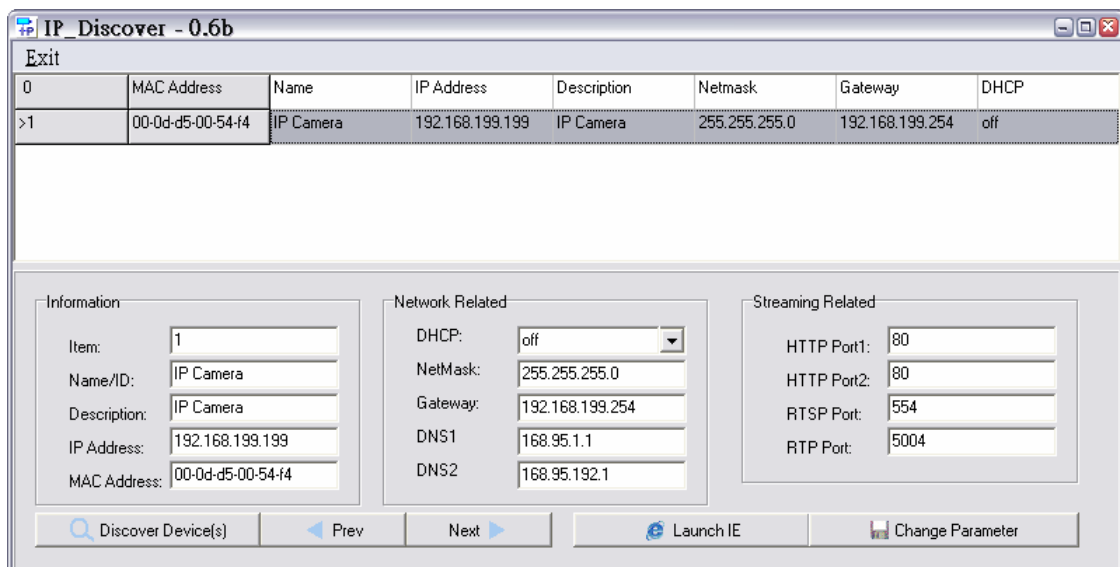
Online Setups

Before Operation

Install the IP Address of Network Camera

When you installed your Network camera on your LAN environment, you may execute IP_Discover.exe to discover Network camera's IP address.

IP Discover program (**IP_Discover.exe**) is designed to scan the Installed Network Camera, setting the Network Camera Name, IP address settings and so on. The default IP is "192.168.199.199".



Press "Discover Device" button to discover the Network Cameras within your LAN environment.

You can double-click on the Network Camera (Name, IP address and so on) to execute IE web browser to connect the Network Camera.

Using your mouse to select any one of the Network Cameras within your LAN environment, you can find out its IP address and other IP parameters as follows:

1. Edit the Name of this device.
2. Update the IP address of this device.
3. Update the Netmask.
4. Update the Gateway Address.
5. Update the value "off" or "on" of DHCP.

6. When you press 'Change Parameter' button, the device will automatically reboot.

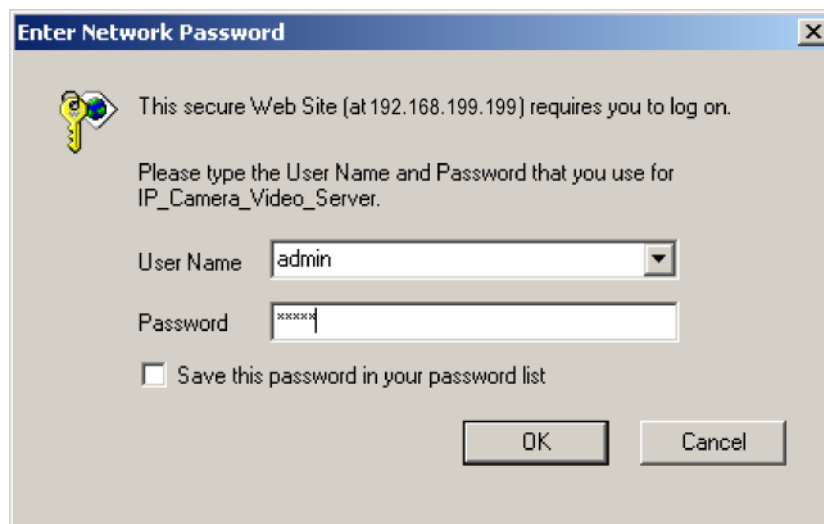
Click "Change Parameter", the IP information of this device will be updated after it reboots. After about 25 seconds, please press "Discover Device" again, then select the item and press "Launch IE" to open IE browser to connect the Network Camera.

Access the Network Camera from the Internet Explorer

1. Start the web browser on the computer and type the IP address of the Network Camera you want to monitor as below:



The Login Window of the Network Camera is displayed as below:



2. **Only the account administrator can login at the first time.** Type in your login name and password under "User Name" and "Password" textbox. For the first time user, input the names and passwords (default value) as follow:

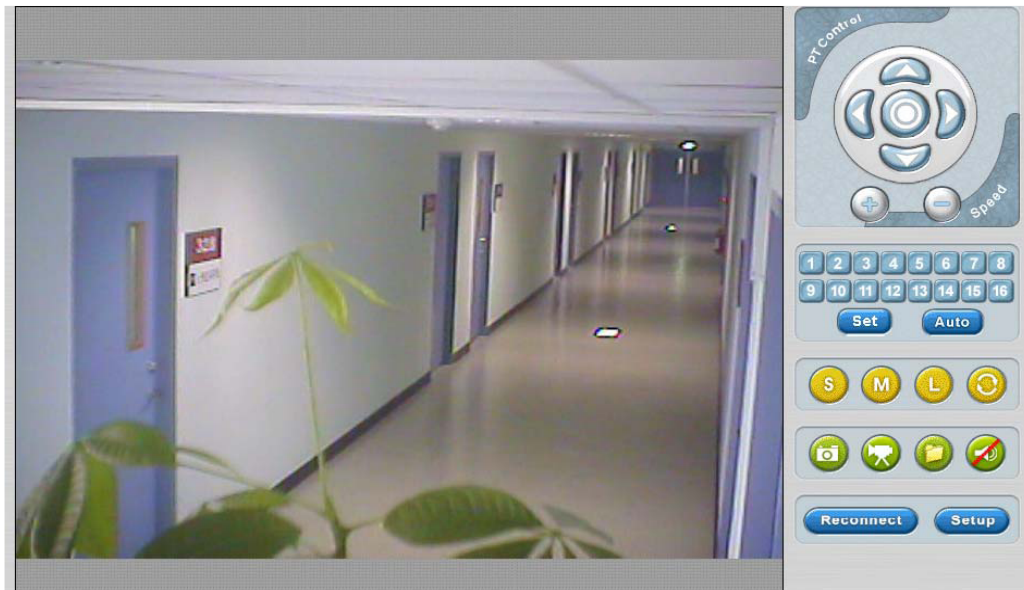
User Name : **admin**

Password : **admin**

That's, type in "**admin**" on the "User Name" as a default name and "admin" on the Password . Click "OK" button to start the main menu.

Now, you login to the Network Camera as a full-authorized administrator. You can enter "Setting" to change the password and setup the group users of "Administrator", "Users" and "Guest" authority. Please refer to "User configuration".

3. After the ActiveX control has installed and ran, the first image will be displayed.



4. User configuration

Logging in as an Administrator :

If you log in the Network Camera as “administrator”, you can enjoy all of the functions provided by this camera.

Logging in as Users :

If you log in the Network Camera as “user”, for regular user usage, you can enjoy all of the functions provided by this camera only except the “Setup”.

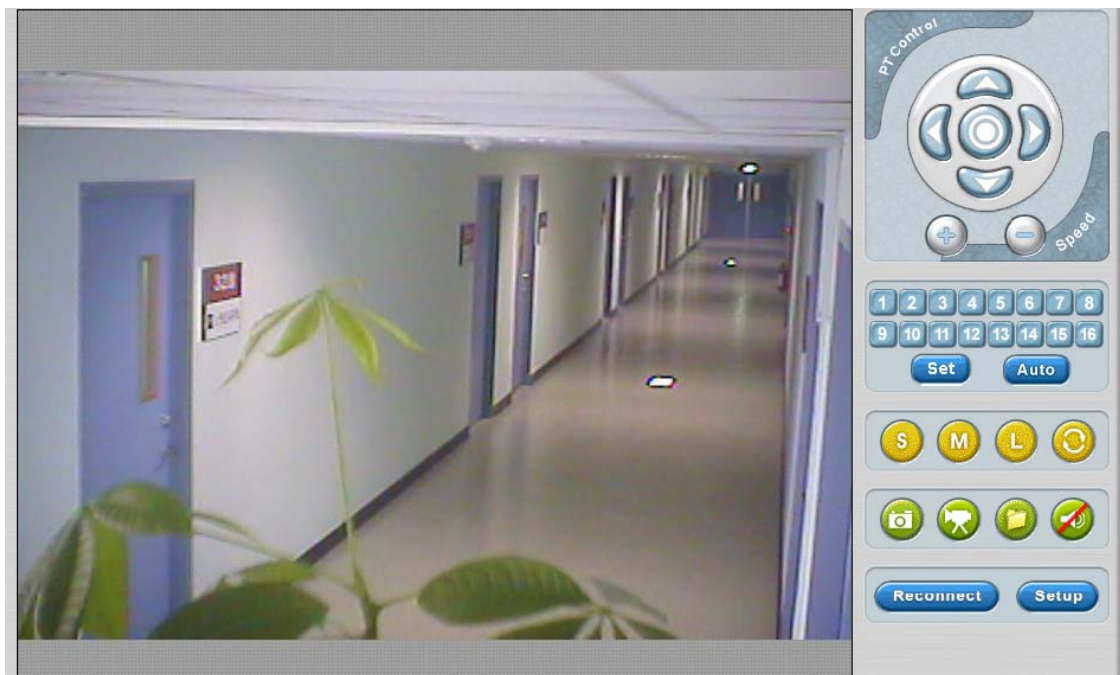
Logging in as a Guest :

If you log in the Network Camera as “guest”, then you have the limitation to “view” video only.

Operating the Network Camera

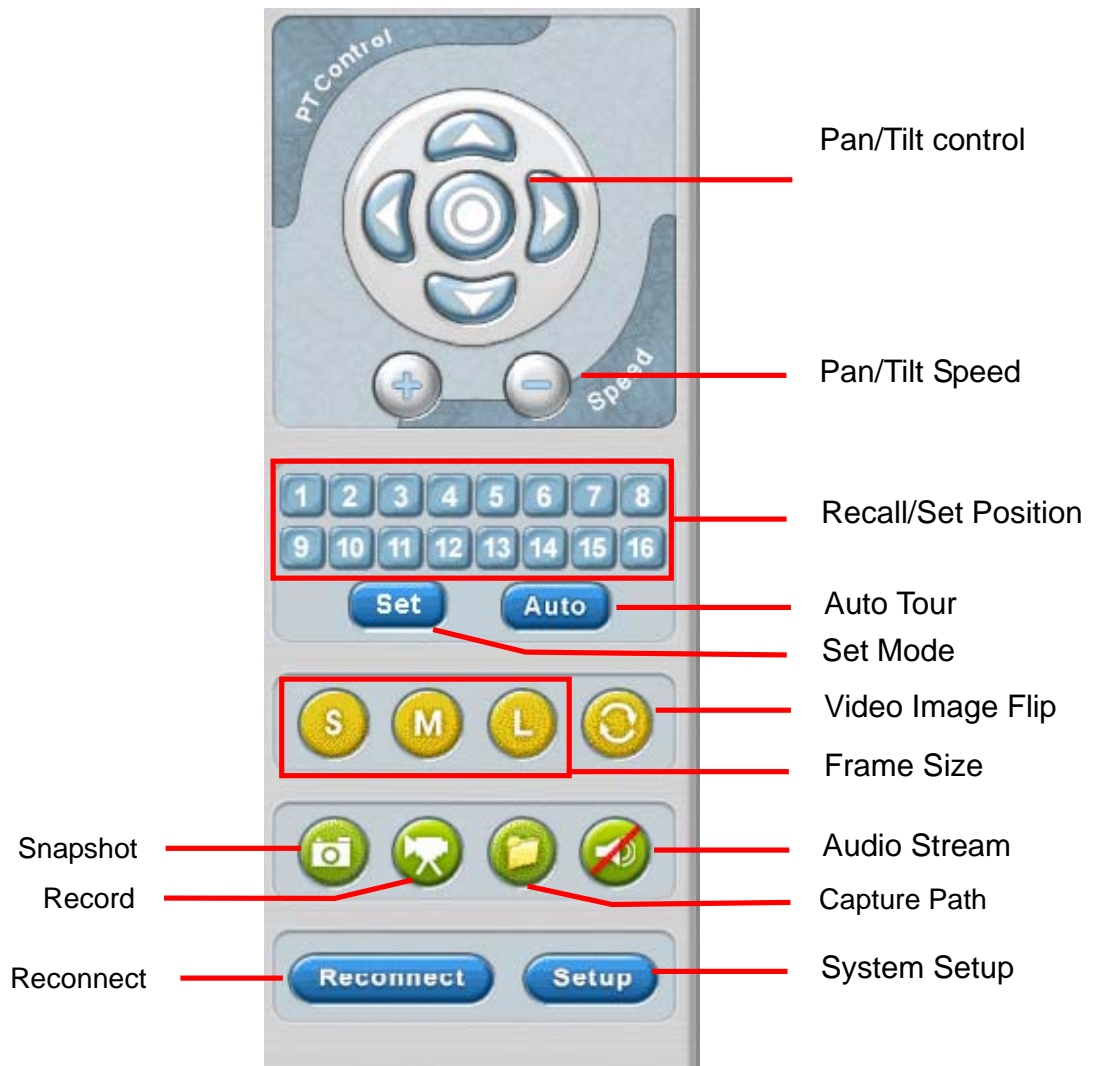
Start-up screen will be shown as bellow no matter for an ordinary users or an administrator.

Full Screen :



Control Panel Area

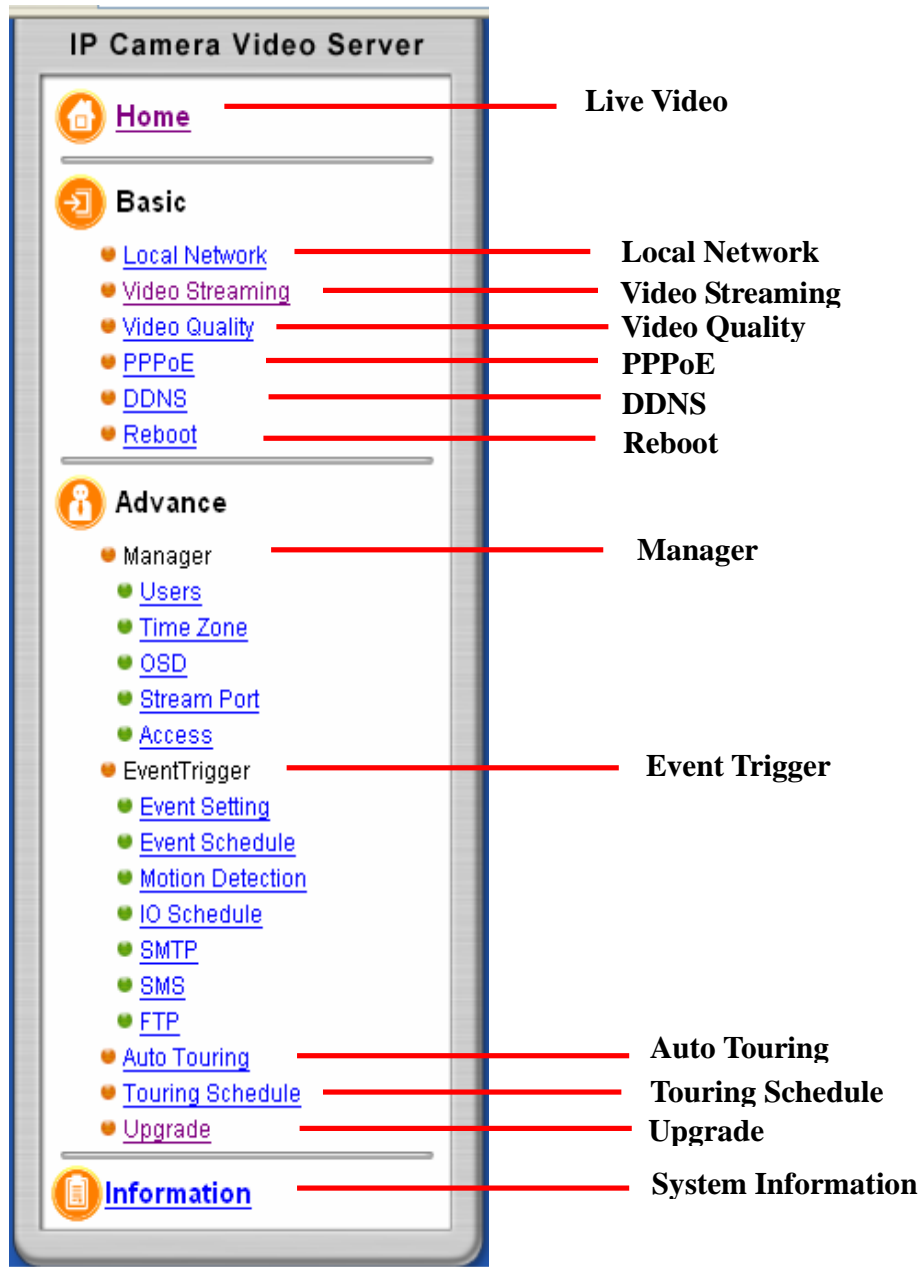
Control Panel Area: Network Camera Manipulation and image quality control



Button	Functions
Pan/Tilt control	Control camera up/down/left/right and default position
Pan/Tilt Speed	Adjust camera speed
Recall/Set Position (button 1 to 16)	<p>You can switch to the “Recall” or “Set” mode by clicking on the 「Set」 button</p> <p>Function of “Recall” mode (the color of 「set」 button is blue) : When you click any button from 1 to 16, then the camera will move to the specified location from location 1 to location 16.</p> <p>Function of “Set” mode (the color of 「set」 button is orange) : When you click any button from 1 to 16, then the present location of camera will be specified from location 1 to location 16.</p>
Auto Tour	Enable the Auto tour function of the PT Network camera
Frame Size	<p>Frame Size : Video resolution</p> <p>NTSC</p> <p>176*120 (M) 352*240 (S) 704*480 (L)</p> <p>PAL</p> <p>176*144 (M) 352*288 (S) 704*576 (L)</p>
Video Image Flip	Flip the video image in the PC monitor (turn 90° per click clockwise)
Snapshot	Capture the current image on the screen and save to local HDD
Record	Record the current video on the screen and save to local HDD
Capture Path	Assign the folder to save the video and image files.
Audio Streaming	To enable/disable Audio Streaming. (To disable Audio Streaming, it could improve the video streaming quality)
Reconnect	To reconnect network.
Setup (for administrator)	Advance configurations.

Advanced Function Area

For the setting, please press the “Setup” button.



Setup configuration	
Tab Item	Description
Live Video	Return to the live video page
Basic	
Local Network	Configure Network settings
Video Streaming	Define Video quality (Frame rate/Bit Rate/Frame Size/Bandwidth) and Audio Mode(Mute/G.726/AMR)
Video Quality	Adjust CCD Sensor (Brightness, Saturation, Contrast, Hue, Sharpness)
PPPoE	PPPoE configurations
DDNS	DDNS configurations
Reboot	Factory default setting / reboot Network camera
Advance	
Manager	
Users	Setup user name, password and login authorization
Time Zone	Time Zone configuration
OSD	OSD setting in video
Stream Port	Setting Stream Ports(HTTP/RTSP/RTP)
Access	RTSP authentication on/off
Event Trigger	
Event Setting	Event Trigger configurations
Event Schedule	Event Schedule configurations
Motion Detection	Motion Detection configurations
I/O Schedule	I/O Schedule configurations
SMTP	SMTP(Email) server configurations

SMS	SMS server configurations
FTP	FTP server configurations
Auto Touring	Set the camera move interval between preset points.
Touring Schedule	Auto touring configurations in schedule.
Upgrade	Upgrade firmware.
Information	Show system information

Local Network

DHCP/Fixed IP Mode:

- When using DHCP mode, please select DHCP to "ON".
- When using Fixed IP mode, please select DHCP to "OFF" and fill the values in the fixed IP mode fields.
- When using UPnP port forwarding, please select "ON".

Example :

DHCP/Fixed IP Mode:

- When using DHCP mode, please select DHCP to "ON".
- When using Fixed IP mode, please select DHCP to "OFF" and fill the values in the fixed IP mode fields.

DHCP status : OFF

Fixed IP mode :

IP Address	:	<input type="text" value="192"/>	<input type="text" value="168"/>	<input type="text" value="1"/>	<input type="text" value="100"/>
Subnet Mask	:	<input type="text" value="255"/>	<input type="text" value="255"/>	<input type="text" value="255"/>	<input type="text" value="0"/>
Gateway	:	<input type="text" value="192"/>	<input type="text" value="168"/>	<input type="text" value="1"/>	<input type="text" value="254"/>
Domain Name Server 1	:	<input type="text" value="168"/>	<input type="text" value="95"/>	<input type="text" value="1"/>	<input type="text" value="1"/>
Domain Name Server 2	:	<input type="text" value="168"/>	<input type="text" value="95"/>	<input type="text" value="192"/>	<input type="text" value="1"/>

Enable UPnP port forwarding : OFF

Video Streaming

Setting of the video streaming, the frame rate and bit rate will apply immediately.

- **Fixed Quality Mode** :Fixed Quality Mode / Auto Adjust Quality Mode
- **Bit Rate** : 1~1800 Kbps
- **Frame Rate** : 1~30 fps
- **Frame Size** :
 - NTSC**
 - 176*120 (Small)
 - 352*240 (Medium)
 - 704*480 (Large)
 - PAL**
 - 176*144 (Small)
 - 352*288 (Medium)
 - 704*576 (Large)
- **Bandwidth** : 0: Unlimited
1~1800 Kbps: Bandwidth for Network Camera
- **Audio Setting** : Audio Encode Method
 - Mute(No Audio)
 - G.726 16kbps
 - G.726 24kbps
 - G.726 32kbps
 - G.726 40kbps
 - AMR 4.75kbps
 - AMR 5.15kbps
 - AMR 5.90kbps
 - AMR 6.70kbps
 - AMR 7.40kbps
 - AMR 7.95kbps
 - AMR 10.2kbps
 - AMR 12.2kbps

Example :

Streaming Setting:

Setting of the streaming options, the parameters here are used in starting streaming server.

Video Setting:

Fix Quality Mode	:	Fix Quality Mode	▼
Bit Rate	:	768	kbps
Frame Rate	:	30	fps
Frame Size	:	SMALL	▼ Size
Key Frame	:	2	▼ Seconds
Bandwidth	:	256	

**User defined Mobile
Video Setting:**

Bit Rate	:	128	kbps
Frame Rate	:	15	fps
Frame Size	:	MOBILE	▼ Size
Key Frame	:	2	▼ Seconds
Bandwidth	:	96	

Audio Setting:

Mode	:	Mute (No Audio)	▼
------	---	-----------------	---

Submit	Cancel
--------	--------

Video Quality

Adjust CCD Sensor.

Brightness : -128 ~ +127 (Default=0)

Saturation : -128 ~ +127 (Default=0)

Contrast : -128 ~ +127 (Default=0)

Hue : -127 ~ +127 (Default=0)

Sharpness : +1~+3 (Default=0)

Example :

Sensor Setting:

	
Brightness :	Default ▾
Saturation :	Default ▾
Contrast :	Default ▾
Hue :	Default ▾
Sharpness :	Default ▾
<input type="button" value="Submit"/> <input type="button" value="Restore Factory Value"/>	

PPPoE

- When using PPPoE mode, please select PPPoE to "ON" and fill the values in all fields.
- Please reboot to active the PPPoE function.

Example :

PPPoE Status : ON ▾

PPPoE User Name :

PPPoE Password :

DDNS

- When using DDNS mode, please select DDNS to "ON" and fill the values in all fields. Please refer to **Appendix G** for more detail information.
- Please enable the "DDNS Assign IP" function when the DDNS service can not work stable.

Example :

DDNS Mode:

- When using DDNS mode, please select DDNS to "ON" and fill the values in all fields.

DDNS Status : OFF ▼

DDNS Service Provider : DynDNS Dynamic DNS Service ▼

DDNS User Name :

DDNS Password :

DDNS Domain :

DDNS Assign IP : ☒ Enable

Reboot

Reboot the device.

If certainly you want to reset the device back to factory default state, check the "Reset to factory default" checkbox and then press the "Submit" button.

If you only want to reboot the device, then uncheck the checkbox and press the "Submit" button.

Reboot the device after all of setting be success.

Example

Device Setting:

Reboot the device.

- If you are sure you want to reset the device back to factory default state, check the Reset to factory default checkbox and then press the submit button.
- Note, all setting inside the device you set will be lost after the action is taken.
- If you just want to reboot the device, then uncheck the checkbox and just press the submit button.

☐ Reset to factory default

Users

Managing the username and password.

- Group for "administrator" is the host of the system who is able to set the system parameters.
- Group for "users" is the regular user of the system who is only able to view and manage the web page except Setup page.
- Group for "guest" is the guest user of the system who is only able to view the live video.
- Fill in the "Username" and "Password" must be English and number.

Example

User Setting:

	Username	Password	Group
Administrator	admin	••••••	Administrator ▼
<input checked="" type="checkbox"/> User1	user	••••••	Users ▼
<input checked="" type="checkbox"/> User2	1	••••••	Guest ▼
<input type="checkbox"/> User3	user2	••••••	Users ▼
<input type="checkbox"/> User4	user3	••••••	Users ▼
<input type="checkbox"/> User5	user4	••••••	Users ▼
<input type="checkbox"/> User6	user5	••••••	Users ▼
<input type="checkbox"/> User7	user6	••••••	Users ▼
<input type="checkbox"/> User8	user7	••••••	Users ▼
<input type="checkbox"/> User9	guest	••••••	Guest ▼
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>			

Time Zone

Select the Time Zone by “RTC Time” or “NTP server” for the IP camera.

Example

Time Setting:

NTP/RTC :

NTP Server : : : :

TimeZone :

RTC Time : : : : : :
 (Year:Month:Date:Hour:Minute:Second)
 (20yy: mm : dd : hh : mm : ss)

OSD

- OSD Status : Setting OSD Status to "ON" or "OFF".
- OSD Position : Setting OSD position by (X,Y)
- OSD Text : Setting OSD display Text (Max 10 character)

Fill in the “OSD Text” must be English and number.

Example

OSD Status :

OSD Position : :

OSD Text :

Stream Port

Setting of the streaming ports.

HTTP Port1 : 1~65535

HTTP Port2 : 1~65535

RTSP Port : 1~65535

RTP Port : 1~65535

Example

Streaming Ports Setting:

Setting of the streaming ports, the parameters here are used in starting streaming server.

Stream Setting:

Http Port1	:	<input type="text" value="80"/>
Http Port2	:	<input type="text" value="80"/>
Rtsp Port	:	<input type="text" value="554"/>
Rtp Port	:	<input type="text" value="5004"/>

Access

The access control is used to restrict RTSP access with/without authentication through WEB.

- If the RTSP connection doesn't need to be authenticated then select "OFF" in the combo box.
- If the RTSP connection needs to be authenticated, then select "ON" in the combo box.

Example

Access Control:

The access control is used to restrict RTSP access with/without authentication through WEB.

- If the RTSP connections doesn't need to be authenticated then select "OFF" in the combo box.
- If the RTSP connections need to be authenticated, then select "ON" in the combo box.

RTSP Authentication :

Event Setting

- Please Choose “Event Trigger” which will notify the user by “Event Notification”.
- You may install 2 different sensors or turn on motion detection for your security purpose.
- Camera Position: When event occurs, the camera will move to the specified number of preset point.
- By definition, if any motion detected or sensor has been activated, the Network Camera can issue a message by Email, SMS, FTP and Alarm. Alarm maybe a buzzer and installed with the I/O connector ([Refer to Appendix B](#)).
- Select “Submit” to save the setting.
 - Please assign **“Min seconds between every event trigger”** to avoid too many alarm messages issue for user by Email or SMS.
 - Please assign **“Max seconds alarm last after alarm trigger”** for the alarm action period after Event trigger.
 - Please assign **“Camera reverting time”** for stay time of each preset points during auto touring, when alarm/event is triggered, the camera will be turn toward to the preset points which designated, after all, the camera will be back to auto touring mode automatically.

Example

Event Setting:

Event Trigger		Camera Position	Event Notification	
<input type="checkbox"/>	Motion Detect	Disable ▾	<input type="checkbox"/>	Email
<input type="checkbox"/>	Sensor 0 High	Disable ▾	<input type="checkbox"/>	SMS
<input type="checkbox"/>	Sensor 0 Low	Disable ▾	<input type="checkbox"/>	Alarm
<input type="checkbox"/>	Sensor 1 High	Disable ▾	<input type="checkbox"/>	Ftp
<input type="checkbox"/>	Sensor 1 Low	Disable ▾		
Min seconds between events trigger 3 seconds			Max seconds alarm last after alarm trigger 3 seconds	
Camera reverting time: 180 seconds				

Submit

Cancel

Event Schedule

Setting for event trigger and time of the notification between “Begin” and “End”, event trigger will be activated.

Example

Event Schedule Setting :

Event Schedule : Disable ▾

	Enable	Begin			Day	End	
		Day	Hour	Minute		Hour	Minute
0	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
1	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
2	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
3	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
4	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
5	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
6	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
7	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
8	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾

Motion Detection

- The motion detection is implemented by a patented software algorithm, it runs on the Network Camera, due to a larger processing power of motion detection, the overall performance of Network Camera will be degraded; the frame rate may be reduced.
 - Please mark which area you want to apply motion detection.
 - You can enable or disable motion detection. If is enable, you can also setup detection sensitivity from one to five levels.
- Position by dragging mouse on the screen, you can verify a red-square area which is the area according to your sensitivity.

Example



Motion Detect : <input type="button" value="ON"/> ▼			
<input checked="" type="radio"/> Motion 1	Enable : <input type="button" value="Enable"/> ▼	Top : <input type="text" value="169"/>	Bottom : <input type="text" value="239"/>
	Sensitivity : <input type="button" value="Lowest"/> ▼	Left : <input type="text" value="161"/>	Right : <input type="text" value="352"/>
<input type="radio"/> Motion 2	Enable : <input type="button" value="Disable"/> ▼	Top : <input type="text" value="0"/>	Bottom : <input type="text" value="0"/>
	Sensitivity : <input type="button" value="Lowest"/> ▼	Left : <input type="text" value="0"/>	Right : <input type="text" value="0"/>
<input type="radio"/> Motion 3	Enable : <input type="button" value="Disable"/> ▼	Top : <input type="text" value="0"/>	Bottom : <input type="text" value="0"/>
	Sensitivity : <input type="button" value="Lowest"/> ▼	Left : <input type="text" value="0"/>	Right : <input type="text" value="0"/>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>			

I/O Schedule

Setting for the “Alarm” action from the “Begin” to the “End”.

Example

I/O Schedule Setting :

IO Schedule : Disable ▾

	Enable	Begin				End	
		Day	Hour	Minute	Day	Hour	Minute
0	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
1	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
2	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
3	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
4	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
5	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
6	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
7	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾
8	Disable ▾	SUN ▾	0 ▾	0 ▾	SUN ▾	0 ▾	0 ▾

Submit Cancel

SMTP

- User can setup the mail to send the trigger message to your specified mail address.
- Select "Submit" to save the setting.

Example

SMTP:

SMTP Server	:	<input type="text"/>
SMTP User	:	<input type="text"/>
SMTP Password	:	<input type="password"/>
From	:	<input type="text"/>
[Sender's Email]	:	<input type="text"/>
TO	:	<input type="text"/>
[Receiver1's Email]	:	<input type="text"/>
TO[Receiver2's	:	<input type="text"/>
Email]	:	<input type="text"/>
TO	:	<input type="text"/>
[Receiver3's Email]	:	<input type="text"/>
Subject	:	<input type="text"/>
Content	:	<input type="text"/>

SMTP server :

Key-in the name of the SMTP server with up to 64 characters, or the IP address of the SMTP server.

SMTP User :

Key-in the user name for the SMTP server.

SMTP Password:

Key-in the password for the SMTP server.

From (Sender's e-mail address):

Key-in the sender's E-mail address.

Recipient (Receiver's e-mail address):

Key-in the receiver's e-mail address. This address is used for reply mail. **Note:** you can key in multiple receiver's email address at the same time.

CC (carbon copy 's e-mail address):

BCC (blind carbon copy 's e-mail address):

Subject:

Key-in the subject/title of the E-mail with up to 64 characters.

Content:

Key-in the contents of the E-mail .

SMS

User can setup the SMS of the trigger message to your mobile phone.

Example

SMS Setting:

- Min seconds between two SMS

SMS Provider	:	<input type="text" value="clickatell SMS Service"/>
SMS Time	:	<input type="text" value="60"/> seconds
SMS ID(app_id)	:	<input type="text"/>
SMS User Name	:	<input type="text"/>
SMS Password	:	<input type="password" value="•••••"/>
SMS To	:	<input type="text"/>
SMS From Text	:	<input type="text"/>
SMS Text	:	<input type="text"/>

SMS Time:

Min seconds between two SMS

SMS ID:

Key-in the application ID from registration page.

SMS User Name:

Key-in the user name from registration page.

SMS Password:

Key-in the SMS password you filled when registering account.

SMS To:

Key-in the mobile phone number while received the SMS from the Network camera .

Please find the phone format at:

<http://www.clickatell.com/brochure/formatnumber.php>

Example



SMS Form Text:

Key-in the sender's mobile phone number.

SMS Text:

Key-in the contents.

FTP

User can setup the FTP of the trigger message to the FTP server.

Example

FTP Setting:

Server	:	<input type="text"/>
Port	:	<input type="text" value="21"/>
User Name	:	<input type="text"/>
Password	:	<input type="password" value="•••••"/>
Remote Directory	:	<input type="text"/>
Passive Mode	:	<input type="checkbox"/> Enable
Prefix File Name	:	<input type="text"/>

Auto Touring

Set the camera move interval between preset Points.

Example

AutoTouring Position	Camera Position	Camera Moving Interval
0	1 <input type="text"/>	10 <input type="text"/>
1	2 <input type="text"/>	10 <input type="text"/>
2	3 <input type="text"/>	10 <input type="text"/>
3	4 <input type="text"/>	10 <input type="text"/>
4	5 <input type="text"/>	10 <input type="text"/>
5	6 <input type="text"/>	10 <input type="text"/>
6	7 <input type="text"/>	10 <input type="text"/>
7	8 <input type="text"/>	10 <input type="text"/>
8	9 <input type="text"/>	10 <input type="text"/>
9	10 <input type="text"/>	10 <input type="text"/>
10	11 <input type="text"/>	10 <input type="text"/>
11	12 <input type="text"/>	10 <input type="text"/>
12	13 <input type="text"/>	10 <input type="text"/>
13	14 <input type="text"/>	10 <input type="text"/>
14	15 <input type="text"/>	10 <input type="text"/>
15	16 <input type="text"/>	10 <input type="text"/>

Touring Schedule

Auto touring configurations in schedule.

The camera will stop at position 1 while the schedule is ending.

Example

Auto Touring Setting:

Note : Motor will stop at **preset position 1** when schedule end

Camera Status : OFF

Auto Touring Schedule :

	Enable	Begin			Day	End	
		Day	Hour	Minute		Hour	Minute
0	<input type="button" value="Enable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="8"/> <input type="button" value="v"/>	<input type="button" value="10"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="10"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
1	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
2	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
3	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
4	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
5	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
6	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
7	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
8	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>
9	<input type="button" value="Disable"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="SUN"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>	<input type="button" value="0"/> <input type="button" value="v"/>

Upgrade

Please make sure the power is stable while you upgrade the firmware.
Please upgrade in local network and fixed IP condition.

Example

Software upgrade

Image File :

Warning: The procedure of upgrade firmware can not be interrupted. If the power and/or network connection are interrupted during the upgrade procedure, it might be caused serious damage to the Network Camera.

Do not upgrade firmware via Wireless LAN.

Please turn off PPPoE and reboot before you begin to upgrade the software.

Information

- Show the details of the network camera.

Example

System Status:

Network Information:

IP Address : 192.168.10.102
 PPP IP Address : 0.0.0.0
 Subnet Mask : 255.255.255.0
 Gateway : 0.0.0.0
 MAC Address : 00-0d-d5-00-56-96

Device Information:

Firmware Ver. : 1,2,0,2-10 client(s)
 Hardware Ver. : r0b-0.2/r 1.0o
 Build Number. : r180a-IPCamera-3G-Web
 (May 22 2006 17:11:04)

Streaming Setting:

Video Setting:

Frame Rate : 30.00
 Bit Rate : 1024
 Frame Size : SMALL

Audio Setting:

Audio Codec : G.726 32kbps

System Information:

System up:

System up 0:0:26:19

Client IP(s):

IP [1]: No Connection
 IP [2]: No Connection
 IP [3]: No Connection

Connected Clients:

0

Appendix A: Restore Factory Default Settings

There is a pinhole in the back panel and restore the factory default settings. If the system still has problems after reboot, user can restore the factory default settings and install it again.

Restore the Network Camera to default settings:

- 1. Make sure power is on***
- 2. Insert the paper clip or other tool, press and hold the button down continuously.***
- 3. Waiting at least 10 seconds and release the tool. Then the Network Camera has been restored to default settings.***



Note: Restoring the factory default setting will lose the all previous settings forever. User needs to run the IP Discover program to search the Network Camera and configure it to work properly again.
The default IP address is "192.168.199.199".

Appendix B: Alarm I/O Connector

Some features of the Network Camera can be achieved by an external sensor that senses physical changes in the area. For examples, the external sensor can be a door switch or an infrared motion detector. These devices are customer provided, and are available from dealers who carry surveillance and security products.

This Network Camera provides a general I/O terminal block with two digital inputs and one output for device control. Pin 1 and 2 can be connected to an external sensor 0. Pin 3 and 4 can be connected to an external sensor 1. Both of the inputs, the voltage will be monitored from the initial state 'LOW'. When **Voltage standard reach to DC 9V ~ 12V** it will turn to state "HIGH" (**Recommended Voltage standard is not over DC 12V**). The Pin 5, 6 and 7 can be used to control the external device for turn on/off (**3A@125V AC / 30V DC**). External Inputs/Outputs are working independently.



CAUTION!

- THE LOW VOLTAGE/CURRENT CIRCUITS AND HIGH VOLTAGE/CURRENT CIRCUITS BOTH ARE IN THE NETWORK CAMERA CIRCUIT. THE WIRING PROCESS SHOULD BE DONE BY THE QUALIFIED ELECTRICIAN. INCORRECT WIRING COULD DAMAGE NETWORK CAMERA AND POTENTIAL FATAL ELECTRIC SHOCK.
- THE EXTERNAL I/O IS NOT CAPABLE OF CONNECTING DIRECTLY TO DEVICES THAT REQUIRE LARGE AMOUNTS OF CURRENT.

Appendix C: Troubleshooting & Frequently Asked Questions

Question	Answer
Features	
The video and audio codec is adopted in the Network Camera.	The Network Camera utilizes MPEG4 compression to providing high quality images. MPEG4 is a standard for image compression and can be applied to various web browsers without the need to install extra software. The audio codec is G.726 compression.
The maximum number of users access Network Camera simultaneously.	The total bandwidth accessed to Network Camera from clients is around 1.8 Mbps. The maximum number of connected clients is 10 clients at the same time. Obviously, the performance of the each connected client will slow down when many users are log on at the same time.
The Network Camera can be used outdoors or not.	The Network Camera is not weatherproof. It needs to be equipped with a weatherproof case for outdoors using. However, equipped with a weatherproof case will disable the audio function of Network Camera.
Install Network Camera	
Link LED does not light up.	<ul style="list-style-type: none"> • Check and confirm that the standard AC adapter, included is from manufacturer. • If the problem is existing, the Network Camera might be faulty. Contact your dealer for further information.
Requirement for network cable.	The Network Camera uses Category 5 UTP cable allowing 10/100 Base-T networking.
Requirement for firewall.	The Network Camera uses ports including Http: 80 RTSP: 554 UDP: 5004~5043.
The username and password for factory default reset	User name is “ admin ” and password is “ admin ”. Note: User name and Password has difference between capitalization and small letter.
Forgot the username and password	Follow the steps below. 1. Restore the factory default setting by pressing and

	<p>holding down more than 10 seconds when power is on. (Refer to Appendix A)</p> <p>2. Reconfigure the Network Camera.</p>
Forgot the IP address of the Network Camera.	Check IP address of Network Camera by using the IP Discover program.
IP Discover program cannot find Network Camera.	<ul style="list-style-type: none"> • Restart the Network Camera if not able to find the device with in 1 minute. • PC link to the Network Camera directly. • Make sure that IP address is assigned to the PC properly. (If IP address is not assigned to the PC which running IP Discover program, then IP Discover program cannot find Network Camera). • Antivirus software on the PC might interfere with the setup program. Disable the firewall of the antivirus software during setting up Network Camera.
Internet Explorer does not seem to work well with the Network Camera	<p>Make sure that your Internet Explorer is version 6.0 or later. If you are experiencing problems, try upgrading to the latest version of Microsoft's Internet Explorer from the Microsoft webpage at: http://www.microsoft.com/windows/ie.</p>
IP Discover program fails to save the network parameters.	<ul style="list-style-type: none"> • Don't leave any space in the name field. Use underline, "_", or dash, "-" to replace the space, " ". • Network may have troubles. Confirm the parameters and connections of the Network Camera.
Access Network Camera	
Cannot access the login page and other web pages of Network Camera from Internet Explorer	<ul style="list-style-type: none"> • Maybe the IP Address of the Network Camera is already being used by another device or computer. To confirm this possible problem, disconnect the Network Camera from the network first, and then run the PING utility to double confirm. • Maybe the network cable. Try correcting your network cable and configuration. Test the Network Camera with local computer via a crossover cable. • Make sure the setting of Internet connection is working properly. • Make sure enter the IP address of Internet Explorer is correct. (If Network Camera used a dynamic address, it will change frequently). • Network congestion may slow the web page appearing. Wait for a moment. <p>The Subnet Mask of the PC and Network Camera must be the same.</p>

	<ul style="list-style-type: none"> • The port number assigned in your Network Camera might not be available via Internet. Contact your ISP for available port. • The proxy server may prevent you from connecting directly to Network Camera, please stop using Proxy Server. • Confirm that Default Gateway address is correct. • The router needs Port Forwarding feature. Refer to your router's manual for details. • Packet Filtering of the router may prohibit access from an external network. Refer to your router's manual for details. • If using port forwarding from router, key-in the external IP address and port number. For example http://203.204.11.99:9001 • While using internal network, please using internal IP address to access Network Camera. • When you use DDNS, you need to set Gateway and DNS server address. • If it's not working after above procedures, reset Network Camera to factory default and setting it again. • If the problem is not solved, the Network Camera might be faulty. Contact your dealer for further assistance.
Image or video does not appear in the main page.	<ul style="list-style-type: none"> • Network congestion may block the video of the Image screen. You may choose lower bandwidth.
The Network Camera work properly in LAN, it can not link from Internet.	<ul style="list-style-type: none"> • Might be caused from the firewall protection. Check the Internet firewall with your system or network administrator. • Make sure that the Network Camera isn't conflicting with any other web server running on your LAN. • Check the configuration of the router settings to allow the Network Camera to be accessed from the Internet.
Message does not transfer file by e-mail or FTP.	<ul style="list-style-type: none"> • Gateway and DNS server address should be set up correctly. • If FTP does not work properly, contact your ISP or network administrator for the transferring of FTP server.
Pan/Tilt/Zoom does not work properly.	<ul style="list-style-type: none"> • Click [Refresh] on the Internet Explorer when the communication stops with the Network Camera. The image will refresh. • Other clients may be operating Pan/Tilt. • Pan/Tilt operation has reached the Max. limitation.
Pan/Tilt/Zoom does not work smoothly.	<p>There may be a delay when using the Pan/Tilt feature in conjunction with streaming audio and video. If has</p>

	significant delay while pan/tilt the camera, try disabling the audio streaming and/or reducing the video streaming size.
Video Quality of Network Camera	
Video image does not streaming properly	Reduce the bit rate and bandwidth. For example: The bandwidth of XDSL is 2M/256K, suggesting bandwidth of setting to be 256K. While reduced the bandwidth/bit rate will effect to quality of video image.
Video image caused mosaic	Increase value of Bit rate, meanwhile reduce value of Frame rate. While increase value of Bit rate will effect to streaming of video image.
Black screen and slower video streaming when audio is enabled.	<ul style="list-style-type: none"> Your connection to the Network Camera does not have enough bandwidth to support a higher frame rate and bit rate. Try to reducing the video streaming size to 176x144 or 320x240 or disabling the audio. To disable audio will improve video quality. (Audio will occupy 32 kbps).
The focus is not clear	<ul style="list-style-type: none"> Clean the lens with lens cleaner. Or adjust the camera focus manually. The object may be out of distance, adjust focus until the object image is clear.
The color of the image is poor.	•To adjust the image related parameters such as brightness, contrast, hue and saturation properly.
Image flickers.	• Make sure NTSC or PAL of CCD sensor on your Network Camera.
Noisy images occur.	The video images might be noisy if the Network Camera is located in a very low light environment. Increase luminance around the object.
Miscellaneous	
Can not play the recorded of AVI file	Install "klcodec241.exe" (in the CDROM) to play the AVI filed recorded by the ActiveX.
No audio or video speed is in double running while play recorded of AVI file	Install Sharp G.726 Audio Codec ◦ For Installation, refer to " Free Codecs Download.html" of the CD-ROM ◦

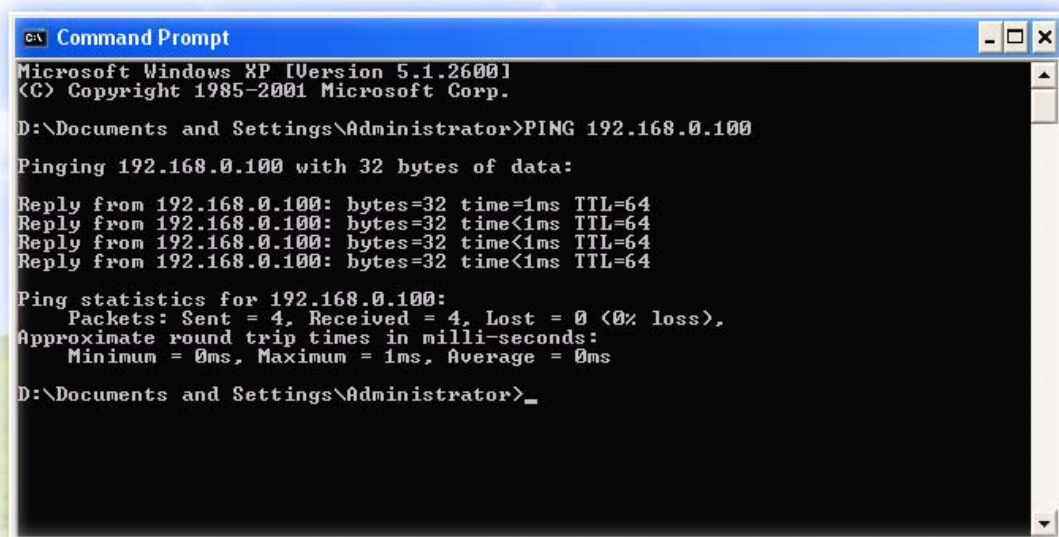
Appendix D: PING IP Address

The PING (stands for Packet InterNet Groper) command is used to detect whether a specific IP address is accessible by sending a packet to the specific address and waiting for a reply. It's also a very useful tool to confirm Network Camera installed or if the IP address conflicts with any other devices over the network.

If you want to make sure the IP address of Network Camera, utilize the PING command as follows:

- Start a DOS window.
- Type ping x.x.x.x, where x.x.x.x is the IP address of the Network Camera.

The replies, as illustrated below, will provide an explanation to the problem.



```

C:\> Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

D:\Documents and Settings\Administrator>PING 192.168.0.100

Pinging 192.168.0.100 with 32 bytes of data:

Reply from 192.168.0.100: bytes=32 time=1ms TTL=64
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.0.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

D:\Documents and Settings\Administrator>_

```

If you want to detect any other devices conflicts with the IP address of Network Camera, also can utilize the PING command but you must disconnect the Network Camera from the network first.

Appendix E: Specifications

System	
Controller Interface	Ethernet
Horizontal rotation range	0° ~ 325°
Vertical rotation range	10° ~ 90°
Preset Number	16
O.P Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Operating Humidity	10% ~ 80%
Power Supply	12V DC ± 10%
Power Consumption	700mA @ 12 VDC
Alarm Input	2xIn (Recommended Power Supply is DC 9V ~12V)
Alarm Output	NO, Contact Rating, 3A@125V AC / 30V DC
Dimension	154 x 160 x 147 mm (L x W x H)
Camera Module	
Image Pick-up Device	1/3" Solid-State CCD Sensor
Effective Picture Elements	NTSC: 512 x 492 (H x V), PAL: 512 x 582 (H x V)
Horizontal Resolution	420 TV lines
Minimum Illumination	0.2 Lux @ F/2.0
S/N Ratio	More than 48 dB
Gamma Characteristics	0.45
Auto Gain Control	Built in
Auto White Balance	Auto(Color Temperature: 2500 °K ~ 9500 °K).
Synchronous System	Internal, Negative sync.

Video Output	1Vp-p / 75 Ohm
Audio Streaming	Yes
BNC Video Out	Yes
Network	
Codec	MPEG-4
Resolution	NTSC : 704*480, 352*240, 176*120 PAL : 704*576, 352*288, 176*144
Frame Rate	NTSC : Up to 30fps PAL : Up to 25fps
Compatibility	Windows ME, 2000, XP, 2003
LAN I/F	10/100M
Notification	E-Mail , SMS , FTP
RAM	32MB SDRAM
Flash	4MB Flash Memory
Operating System	Linux
Type Of IP Address Needed	Statistic or Dynamic
Firmware Upgrade	Ethernet
Security	3 Levels : Administrator, users and guest
Viewer	Microsoft® Internet Explorer 5.0 or later
Networking Protocol	TCP/IP, HTTP, SMTP, FTP, NTP, DNS, DDNS, ARP DHCP , PPPoE, RTP/RTCP, RTSP

Appendix F: Time Zone Table

GMT stands for Greenwich Mean Time which is the global time that all time zones are measured from.

(GMT-12:00) International Date Line West
(GMT-11:00) Midway Island, Samoa
(GMT-10:00) Hawaii
(GMT-09:00) Alaska
(GMT-08:00) Pacific Time (US & Canada); Tijuana
(GMT-07:00) Arizona
(GMT-07:00) Chihuahua, La Paz, Mazatlan
(GMT-07:00) Mountain Time (US & Canada)
(GMT-06:00) Central America
(GMT-06:00) Central Time (US & Canada)
(GMT-06:00) Guadalajara, Mexico City, Monterrey
(GMT-06:00) Saskatchewan
(GMT-05:00) Bogota, Lima, Quito
(GMT-05:00) Eastern Time (US & Canada)
(GMT-05:00) Indiana (East)
(GMT-04:00) Atlantic Time (Canada)
(GMT-04:00) Caracas, La Paz
(GMT-04:00) Santiago
(GMT-03:30) Newfoundland
(GMT-03:00) Brasilia
(GMT-03:00) Buenos Aires, Georgetown
(GMT-03:00) Greenland
(GMT-02:00) Mid-Atlantic
(GMT-01:00) Azores
(GMT-01:00) Cape Verde Is.
(GMT) Casablanca, Monrovia
(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London
(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
(GMT+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague
(GMT+01:00) Brussels, Copenhagen, Madrid, Paris
(GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb
(GMT+01:00) West Central Africa
(GMT+02:00) Athens, Istanbul, Minsk
(GMT+02:00) Bucharest
(GMT+02:00) Cairo
(GMT+02:00) Harare, Pretoria
(GMT+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius
(GMT+02:00) Jerusalem
(GMT+03:00) Baghdad
(GMT+03:00) Kuwait, Riyadh
(GMT+03:00) Moscow, St. Petersburg, Volgograd
(GMT+03:00) Nairobi

(GMT+03:30) Tehran
(GMT+04:00) Abu Dhabi, Muscat
(GMT+04:00) Baku, Tbilisi, Yerevan
(GMT+04:30) Kabul
(GMT+05:00) Ekaterinburg
(GMT+05:00) Islamabad, Karachi, Tashkent
(GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi
(GMT+05:45) Kathmandu
(GMT+06:00) Almaty, Novosibirsk
(GMT+06:00) Astana, Dhaka
(GMT+06:00) Sri Jayawardenepura
(GMT+06:30) Rangoon
(GMT+07:00) Bangkok, Hanoi, Jakarta
(GMT+07:00) Krasnoyarsk
(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi
(GMT+08:00) Irkutsk, Ulaan Bataar
(GMT+08:00) Kuala Lumpur, Singapore
(GMT+08:00) Perth
(GMT+08:00) Taipei
(GMT+09:00) Osaka, Sapporo, Tokyo
(GMT+09:00) Seoul
(GMT+09:00) Yakutsk
(GMT+09:30) Adelaide
(GMT+09:30) Darwin
(GMT+10:00) Brisbane
(GMT+10:00) Canberra, Melbourne, Sydney
(GMT+10:00) Guam, Port Moresby
(GMT+10:00) Hobart
(GMT+10:00) Vladivostok
(GMT+11:00) Magadan, Solomon Is., New Caledonia
(GMT+12:00) Auckland, Wellington
(GMT+12:00) Fiji, Kamchatka, Marshall Is.
(GMT+13:00) Nuku'alofa

Appendix G: DDNS Application

1. Preface

If you have a Cable modem, xDSL, ISDN or Dialup, this is a great way to host your own **Web Server, FTP Server, Mail Server, Video Server** or other TCP/IP Service. Get your own domain like `www.yourname.com*`, `www.yourname.com.tw*` etc. (Note: This domain must be registered with Internic via registration authorities such as Network Solutions, DirectNIC, Register.com etc). Your domain name's dynamic IP address is automatically tracked by a DDNS server.

Host your own **Web Server, FTP Server, Mail Server, Video Server** and much more no matter what your computer's IP address may be and even if you have dialup, DSL or cable modem internet connection where your computer's IP address changes all the time!! DDNS service supports all top level domain names including but not limited to .com, .net, .org, .to, .uk etc.

2. Ethernet Network Environment

Normally, DDNS services is only necessary for the users that could only obtain dynamic IP addresses. As to the users that could obtain the static valid IP address, they do not usually have to apply the DDNS service. Before we decide if DDNS is necessary for the users, we have to check what kind of Ethernet network environment we have to install our video server or IP camera on.

(1) Environment of Fixed Valid IP Network

If users could obtain valid IP addresses, they could save the effort to apply DDNS service. Because the IP address in this environment is fixed, users could input the IP address or domain name of demo site directly in the IE browser.

(2) Environment of Dynamic IP Network

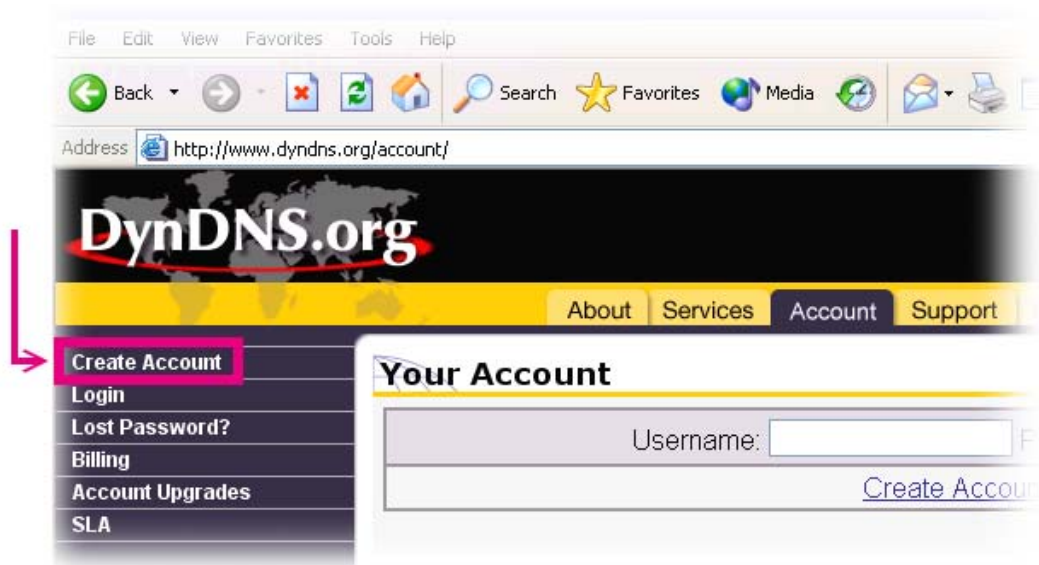
In the circumstance of dynamic IP network (Dial-up ADSL), users have to apply a domain name in advance. Then apply DDNS service. Finally setup the necessary information of DDNS and PPPoE of the video server or IP camera in order to let the outside administrator be able to access through internet.

3. Application Steps—DDNS & Domain Name

- (1). Visit the following web site : <http://www.dyndns.org/> (Pink No.1)
- (2). Click “Account” (Pink No. 2)



- (3). After the columns show up at the left side, click “Create Account”.



- (4). Fill the application agreement and necessary information.
 - a. Input Name
 - b. E-mail input and confirmation
 - c. Password input and confirmation
 - d. Submit all the input information and finish creating a account


Create Account

Please complete the form below to create your account. You will receive an e-mail containing instructions to activate your account. If you do not follow these directions within 48 hours, you will need to recreate your account.

Policy Last Modified: May 4, 2004

1. ACKNOWLEDGMENT AND ACCEPTANCE OF TERMS OF SERVICE

All services provided by Dynamic Network Services, Inc. ("DynDNS") are provided to you (the "Member") under the Terms and Conditions set forth in this Acceptable Use Policy ("AUP") and any other operating rules and policies set forth by DynDNS. The AUP comprises

I have read and agree to the Acceptable Use Policy above ☒ 

Username

Your username will be used to login to your account and make changes.

Username:

← Input login name

E-mail Address

The e-mail address you enter must be valid. Instructions to activate your account will be sent to the e-mail address provided. You must keep this address current and accounts with invalid e-mail addresses will be removed with no warning. We do not sell our list to anyone. Read more about our [privacy policy](#)

E-Mail Address:

← Input e-mail address

Confirm E-Mail Address:

← Confirm e-mail address

Password

The password you enter will be used to access your account. It must be more than 5 characters and cannot be your username.

Password:

← Input login password

Confirm Password:

← Confirm login password

Submit →

Create Account

Reset Form

- (5). Check your e-mail mailbox. There will be an e-mail with a title "Your DynDNS.org Account Information". Click the hyperlink address to confirm the DDNS service that you just applied. Then DDNS you applied activated.

From: www.dyndns.com

副本:

主旨: Your DynDNS.org Account Information

Your DynDNS.org user account 'longteklewis' has been created. You must visit the confirm the account creation process.

Our basic service offerings are free, but they are supported by our premium services. See

To confirm your account, please go to the address below: **Click to confirm**

<https://www.dyndns.org/account/confirm/dDbTlb0mO3f-MyffprlGQ>

Please note: If you did not sign up for this account, this will be the only communication you addresses are kept on file. We apologize for any inconvenience this correspondence may be visiting our site and requesting an account.

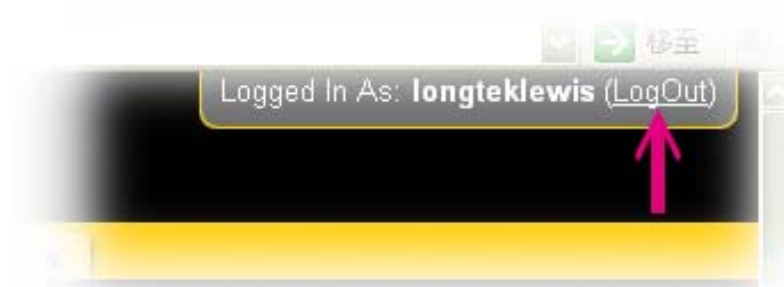
Sincerely,

The Dynamic Network Services Support Department support@dyndns.org

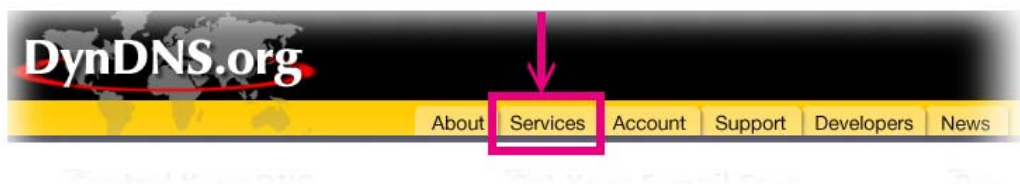
- (6). Enter the web page <http://www.dyndns.org/> again. Input your username and password that you just applied to login administration interface of DDNS service.



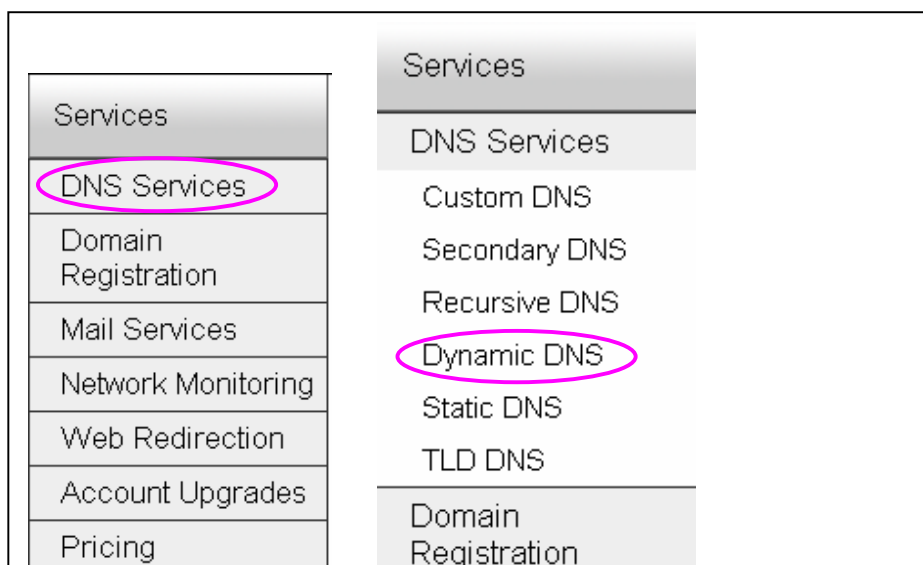
- (7). If the correct username and password are input, you can see the following picture at the top-right of the login page.



- (8). Click the “Services”.



- (9). Click the “DNS Services ” and the “ Dynamic DNS “ and then click “ Add Dynamic DNS ”



Dynamic DNS	The Dynamic DNS service is ideal for a home webs home PC so you can access those important docur third-party update clients you can keep your hostna often your ISP changes it. No more fumbling to find address, or e-mailing all your friends every time it c instead!
Features	
Available Domains	
FAQs	
How-To	
Static DNS	
TLD DNS	Add Dynamic DNS -
Domain	

(10). We could create a domain name without any charge at this step. First, we input the host name. Then we pick a domain that is easy to remember. The IP Address maybe is your "MPEG-4 Network Camera" or "Router". Finally, click the "Add Host" button to submit the domain name information.

New Dynamic DNS SM Host	
Hostname:	<input type="text" value="Camanual"/>
IP Address:	<input type="text" value="211.22.115.82"/>
Enable Wildcard:	<input type="checkbox"/>
Mail Exchanger (optional):	<input type="text"/>

dynalias.net
 dynalias.org
 dyndns.biz
 dyndns.info
dyndns.org
 dyndns.tv
 dyndns.ws
 ftpaccess.cc
 game-host.org
 game-server.cc
 getmyip.com
 gotdns.com
 iotdns.org

[Reset](#)

The hostname you have requested has been created. The information now in the database and DNS system is:

Hostname:	camanual.dyndns.org
IP Address:	211.22.115.82
Wildcard:	N
Mail Exchanger:	None
Backup MX:	N

(11). Have to login the web page of video server or network camera and setup the necessary information of DDNS and PPPoE after the application of DDNS service. Please refer to the user manual to setup the "DDNS Mode" and "PPPoE" in pages of the advanced functions. After saving the modification, restart the device.

(12). The external users can open your browser (IE), and input the URL that you applied domain name to replace the IP address. Ex: "<http://camanual.dyndns.com>"

Appendix H: SMS Application

1. Preface

If you have a GSM mobile phone ,there is a new event notification approach in this IP camera/Video server. You can use the globe Short Message service to get the alarm/event notification from this IP camera/Video server.

2. Application Steps

- (1). Visit the following web site : <http://www.clickatell.com>
- (2). There is register information at :
<http://www.clickatell.com/brochure/products/howto.php>
- (3). Click http://www.clickatell.com/central/login.php?prod_id=2 to apply a SMS account for your IP camera/Video server.



New Client Registration

Note: If you are an existing Clickatell client you can register for all the products within Clickatell Central and still keep the same ClientID, Username and Password. [How to register? Click here.](#) All fields in BOLD are required.

Step 1

Step 2

Step 3

Personal Information

Name:

Surname:

Username:

(min 6 characters alphanumeric)

Password:

Confirm Password:

International Mobile No.:

* Full International Format:

International Telephone No.:

Email Address::

Preferred Currency:

U.S DOLLAR

Step 2>>



The screenshot shows a registration form with three steps: Step 1, Step 2, and Step 3. Under 'Other Information', there is a dropdown for 'Email Format' set to 'html'. Below it, a checkbox for 'Do you wish to receive Clickatell news?' is unchecked. A link 'Receive weekly Balance update:' is followed by a 'Recommended' checkbox, also unchecked. A checkbox for 'Do you accept Clickatell's Terms and Conditions?' is checked. A red arrow points from the text 'Click now' to the 'Register Now' button.

Step 1 Step 2 Step 3

Other Information

Email Format:

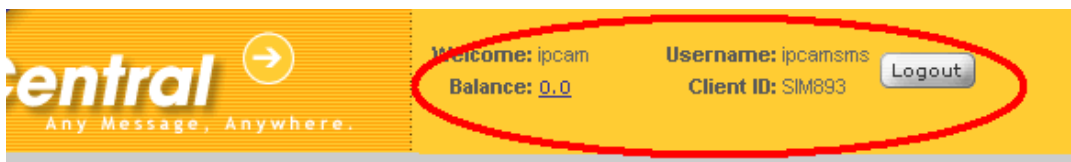
Do you wish to receive Clickatell news: ☐

[Receive weekly Balance update:](#) ☐ Recommended

Do you accept Clickatell's [Terms and Conditions](#)? Yes ☒

Click now

(4). Remember Client ID at the top the web page for future web login usage.



(5). Create Application ID:

HTTP API

NAME: | [add sub-product](#) | [reports](#) | [preferences](#)

This product provides an interface between your applications and the Messaging Gateway. It is a lower level connectivity option, but offers the most functionality and flexibility for the Developer and Systems Integrator. With the API you can set up alert-based SMS delivery from your server, deliver information to your mobile sales staff and keep in contact with your customers. This product is intended for machine-generated to User messaging.

HTTP Preferences - Bold Items Required

Give this product a name:

IP Lock Down:

Dial Prefix:

Callback Url:

Click now

NOTE: submission of this form will delete any session_id currently valid for this api_id. Any application using this session_id will have to re-authenticate.

(6). Remember api_id number

HTTP API
NAME: [control](#) | [add sub-product](#) | [reports](#) | [preferences](#)

For 10 free test credits, [click here to activate your account](#)

HTTP Authentication Details

Use these details to log into the API.

api_id: 854073

User: admin

password: (As per Account Details)

DOWNLOAD



[HTTP Post Specification Version 2.2.4 \[308K \]](#)

(7). Please remember to active 10 free test credits for test usage.

HTTP API
NAME: [control](#) | [add sub-product](#) | [reports](#) | [preferences](#)

For 10 free test credits, [click here to activate your account](#)

HTTP Authentication Details

Use these details to log into the API.

Appendix I: Adjust the Lens

You can adjust the lens focus by following the steps described as below:

1. Unload the lens transparent cover **NOT BLACK interior cover** by using a gentle force to rotate counter- clockwise.
2. Adjust the lens focus manually.
3. While you adjust the lens focus, to get the best image quality, please checking from PC or Monitor while you adjust the lens focus simultaneous.
4. Reload the transparent cover after improving the image quality.

Attention:

Do not leave fingerprints or any foreign objects on the surface of the lens and transparent cover; otherwise, you may get cloudy or inferior quality images.

Table A: Recording Disk Space

Recommend the values of setting:

For example:

Perhaps the XDSL bandwidth of uploading is 512Kbps, the suggestion for the Total bandwidth is not over 256Kbps.

One Network Camera setting of bandwidth is 256K,

Two Network Cameras setting of bandwidth of 128K individually,

Three Network Cameras are 80~128K individually

Recording disk space:

The recording disk space is high relation with the setting value of "Bandwidth".

	Small Size				Large Size			
XDSL Bandwidth	Bandwidth	Bit Rate	Frame Rate	Disk Space (MB/hr)	Bandwidth	Bit Rate	Frame Rate	Disk Space (MB/hr)
2M/256K	128	1024	30	60	128	1024	20	60
2M/512K	256	1024	30	120	256	1024	20	120
12M/1M	512	1024	30	240	512	1200	30	240
Intranet	0 (unlimited)	1024	30	420	0 (unlimited)	1200	30	510