

# **USER MANUAL**

## **MEGAPIXEL IR IP CAMERA**

**TCN-1 4MM** (*COD. KUNTD14MM*)



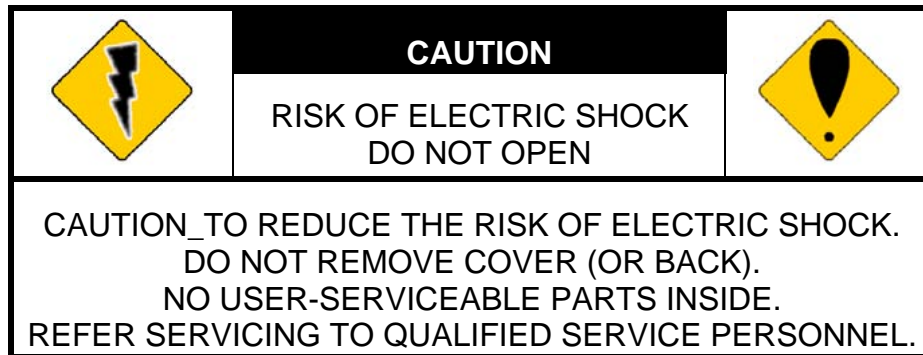
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## WARNINGS

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

DO NOT INSERT ANY METALLIC & ELETRIC CONDUCTIVE OBJECT THROUGH VENTILATION GRILLS.

## CAUTION



## COPYRIGHT

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

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## I. Preface

IR IP CAMERA is a professional MegaPixel CCD IP camera. It has built-in web server which enables user to view real-time video via IE browser. It also supports simultaneously MPEG-4&JPEG video compression and dual streaming which provides smooth and high video quality. The video can be stored in the SD card, and can be playback remotely.

IR IP CAMERA is an easy-to-use IP Camera which is designed for security application.

## II. Product Specifications

- IP 66
- External Varifocal Lens adjustment
- True Day/Night Function
- Mechanism IR Cut Filter available
- IR Distance 20M
- MPEG-4/ MJPEG Compression Format
- Support Cell Phone/ PDA/ 3GPP
- Dual streaming
- SDK for software Integration
- Free Bundle 36 Channel Recording Software

### Specifications

Hardware	
CPU	ARM 9 ,32 bit RISC
RAM	64MB
ROM	8MB
Image sensor	1/4" CMOS
Sensitivity	0 Lux (IR On)
Lens Type	Varifocal Auto IRIS 2.8~10mm
ICR	Mechanism IR Cut Filter
LED	IR Distance 20M
Power over Ethernet	Yes
Power Consumption	DC 12V, 450mA
Operating Temperature	-10_ ~ 40 _
Dimensions	83mm (W) x 79.5mm (H) x 182.5mm (D)
Weight	700g

<b>Network</b>		
Ethernet	10/ 100 Base-T	
Network Protocol	HTTP, TCP/ IP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP	
<b>System</b>		
Video Resolution	1280x1024, 640x480, 350x240, 160x120	
Video adjust	Brightness, Contrast, Exposure, Sharpness	
Dual Streaming	Yes	
Image snapshot	Yes	
Full screen monitoring	Yes	
Compression format	MPEG-4/ MJPEG	
Video bitrate adjust	CBR, VBR	
Motion Detection	Yes, 3 different areas	
Triggered action	Mail, FTP	
Pre/ Post alarm	Yes, configurable	
Security	Password protection	
Firmware upgrade	HTTP mode, can be upgraded remotely	
Simultaneous connection	Up to 10	
<b>Web browsing requirement</b>		
OS	Windows 2000/ 2003, XP, Vista, Microsoft IE 6.0 or above	
<b>Hardware</b>		
	Suggested	Intel-C 2.0G, RAM_512MB, Graphic card_64MB
	Minimum	Intel-C 1.6G, RAM_256MB, Graphic card_32MB

\* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

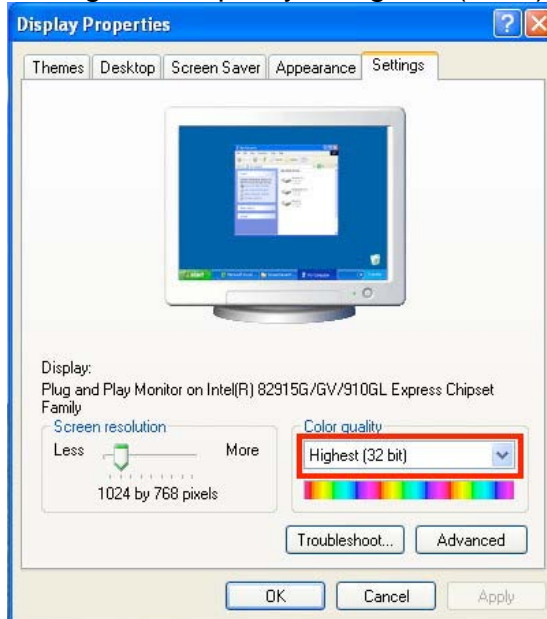
## III. Product Installation

### A. Monitor Setting

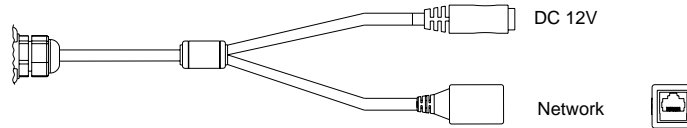
- i. Right-Click on the desktop. Select "Properties".



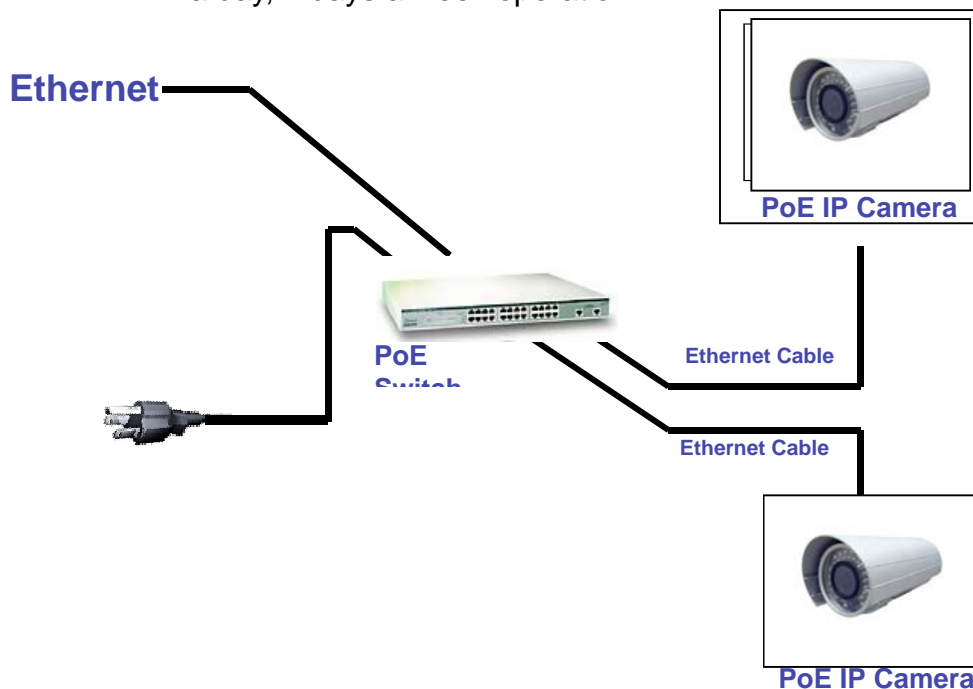
- ii. Change color quality to highest (32bit).



## B. Hardware Installation



- i. Connect power adaptor
- ii. Connect Ethernet cable to IP Camera
- iii. Set up the network configurations according to the network environment. For further explanation, please refer to chapter VI, "Network Configuration for IP CAMERA".
- iv. PoE ( Power Over Ethernet) **802.3af, 15.4W PoE Switch is recommended**  
Power over Ethernet (PoE) is a technology that integrates power into a standard LAN infrastructure. It enables power to be provided to the network device, such as an IP phone or a network camera, using the same cable as that used for network connection. It eliminates the need for power outlets at the camera locations and enables easier application of uninterruptible power supplies (UPS) to ensure 24 hours a day, 7 days a week operation.

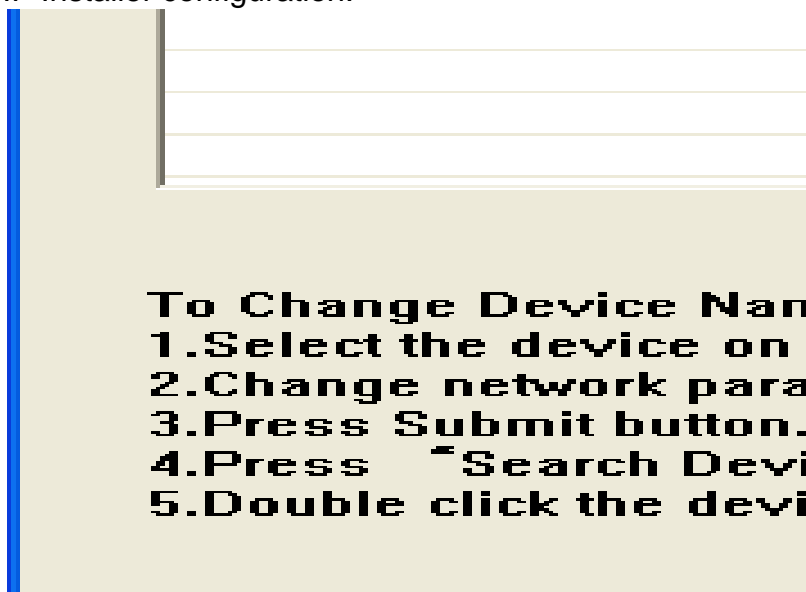


## C. IP Assignment

- i. Use the software, "IP Installer" to assign the IP address of IP Camera. The software is in the attached software CD.
- ii. There are two languages for the IP installer
  - 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. Please execute IP Installer
- v. For Windows XP SP2 user, the following message box may appear. 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”. The following dialogue box will show. Just 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

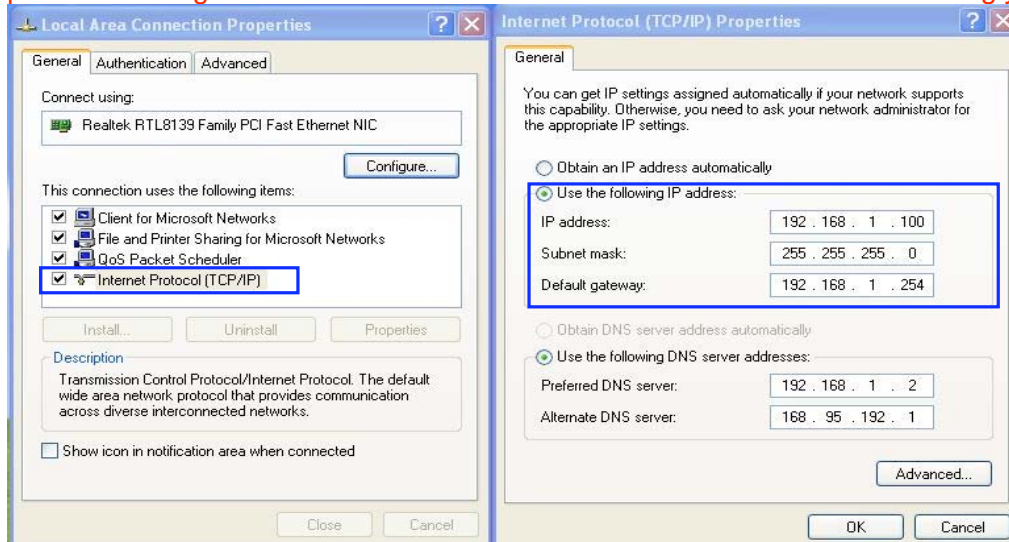
### Different Subnets:

IP CAM IP address: 192.168.2.200

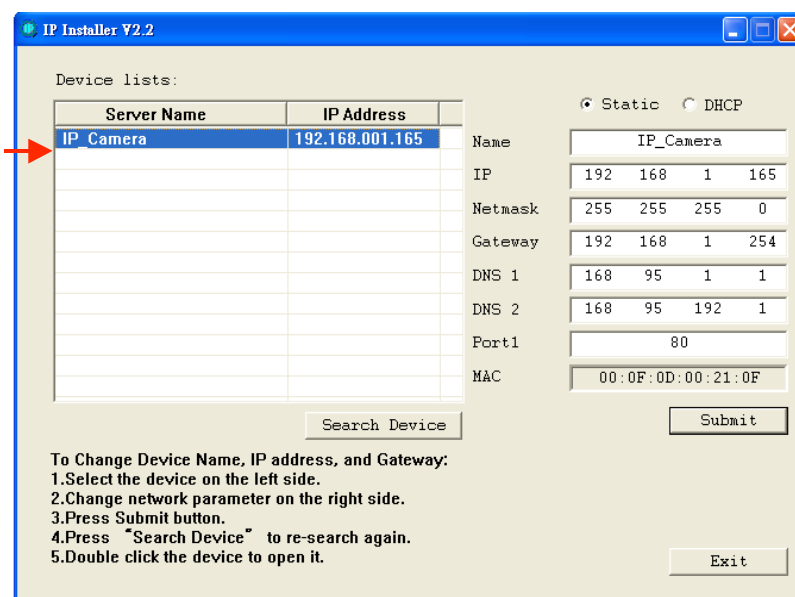
PC IP address: 192.168.1.100

### 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.

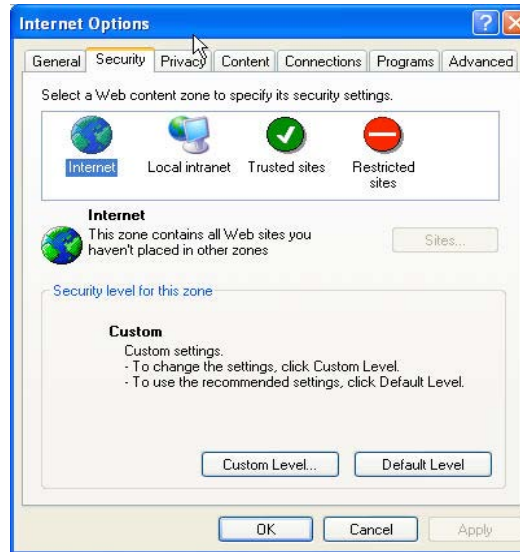
If the installation failed, please check the security setting for the IE browser.

- 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

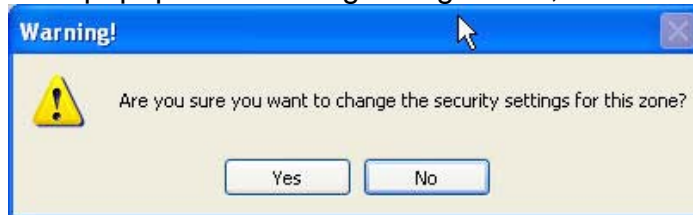


4



5

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

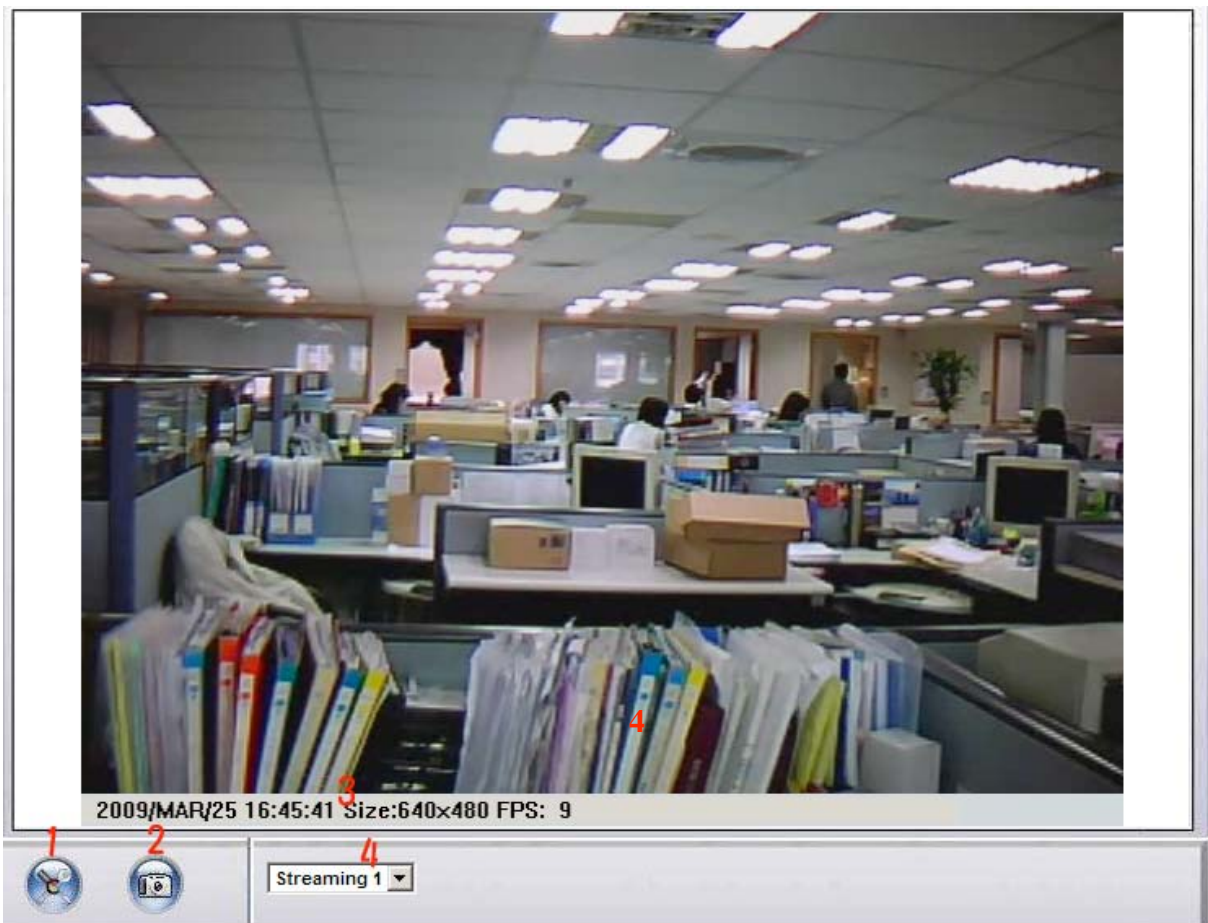




## IV. Live Video

Start an 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”.



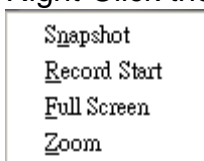
When connect to the IP Camera ,The following program interface shows.



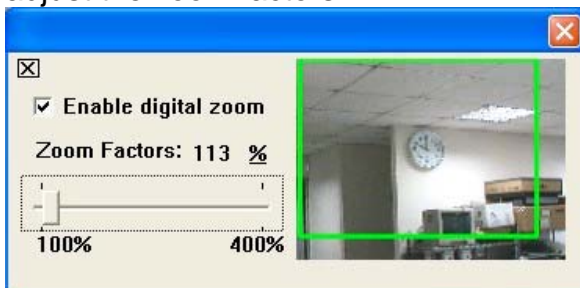
1. \_Get into the administration page
2. \_Video Snapshot
3. Show system time, video resolution, and video refreshing rate
4. Select video streaming source **(When streaming 2 setting in\_Video Setting\_ is closed, this function will not display)**

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 jpg picture
2. Record Start\_Record 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. Full Screen\_Full-screen mode.
4. Zoom : Enable zoom-in and zoom-out functions. Select “Enable digital zoom” option first within the pop-up dialogue box and then drag and drop the bar to adjust the zoom factors.



## V. IR IP CAMERA Configuration



Click  to get into the administration page. Click  to back to the live video page.



The screenshot displays the administration interface for an IR IP camera. On the left is a navigation menu with categories: System (System Information, User Management, System Update), Network (IP Setting, PPPoE, DDNS, Wireless Setting), AV Setting (Image Setting, Video Setting, Audio), and Event List (Event Setting, I/O Setting, Mail & FTP, SD Card). The main content area is titled 'System Information' and contains the following settings:

- Server Information**
  - Server Name: Video\_Server
  - MAC Address: 00:0F:0D:20:0C:2D
  - Language:  English  繁體中文  简体中文
- Overlay Setting**
  - Enabled  Disabled
- Time Setting**
  - Server Time: 11/30/2006 18:38 Time Zone: GMT+08:00
  - Time zone: GMT+08:00
  - NTP:
    - NTP Server: 198.123.30.132
  - Input Date & Time  Synchronize with PC's time
    - Date: 12/15/2006
    - Time: 11:32:7

An 'Apply' button is located at the bottom right of the configuration area.

## A. System

### i\_ System Information

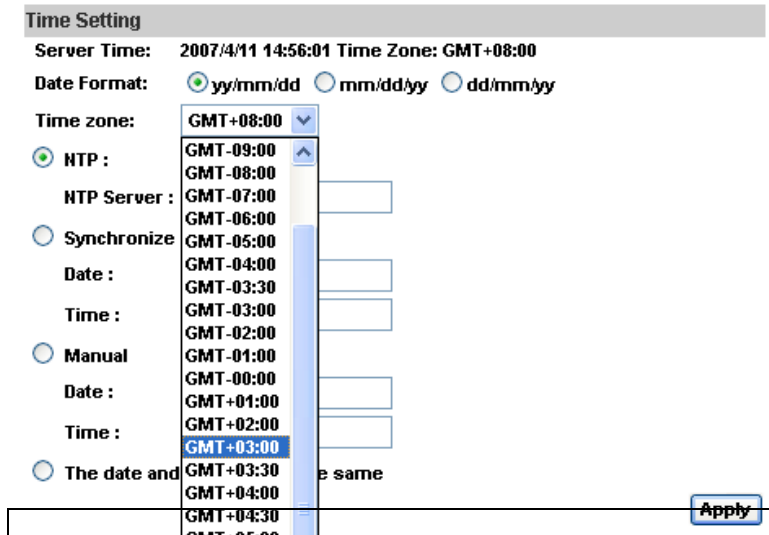
- a. Server Information\_Set up the camera name, select language, and set up the camera time.
  - 1. Server Name\_This is the Camera name. This name will show on the IP Installer.
  - 2. Select language\_There are English, Traditional Chinese, and Simple Chinese to select. When changed, it will show the following dialogue box for the confirmation of changing language.



- b. OSD Setting\_select a position where date & time display 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 screenshot shows the 'User Management' web interface. It has a title bar 'User Management' and a sub-section 'Anonymous User Login' with radio buttons for 'YES' and 'NO' (selected), and a 'Setting' button. Below is the 'Add User' section with input fields for 'Username:', 'Password:', and 'Confirm:', and an 'Add/Set' button. At the bottom is the 'User List' section with a table:

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 screenshot shows a 'User Setup' dialog box within a Microsoft Internet Explorer window. The dialog has a title bar 'User Setup' and three input fields: 'Username:' with the value 'admin', 'Password:', and 'Confirm:'. An 'OK' button is located at the bottom right.



## iii\_ System update\_

System Update	
Firmware Upgrade	
Firmware Version:	V3.2.11
New Firmware:	<input type="text"/> 瀏覽...
<input type="button" value="Upgrade"/>	
Reboot System	
<input type="button" value="Start"/>	
Factory Default	
<input type="button" value="Start"/>	
Setting Management	
Save As a File:	Right click the mouse button on <u>Setting Download</u> and then select <u>Save As...</u> to save current system's setting in the PC.
New Setting File:	<input type="text"/> 瀏覽...
<input type="button" value="Upgrade"/>	

- 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 and restore defaults system.
- 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

IR IP CAMERA supports DHCP and static IP.

IP Setting	
<b>IP Assignment</b>	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IP Address:	<input type="text" value="192.168.1.200"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="192.168.1.254"/>
DNS 0:	<input type="text" value="168.95.1.1"/>
DNS 1:	<input type="text" value="168.95.192.1"/>
<b>Port Assignment</b>	
Web Page Port:	<input type="text" value="80"/>
RTSP Port :	<input type="text" value="554"/>
RTP Start Port:	<input type="text" value="5000"/> [1024..10000]
RTP End port:	<input type="text" value="9000"/> [1025..10000]
<b>UPnP</b>	
UPnP:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
<input type="button" value="Apply"/>	

- a. DHCP\_Using DHCP, IR IP CAMERA will get all the network parameters automatically.
- b. Static IP\_Please type in IP address, subnet mask, gateway, and DNS manually.
- c. Port Assignment: user may need to assign different port to avoid conflict when setting up IP assignment.
  1. Web Page Port: setup web page connecting port and video transmitting port (Default: 80)
  2. RTSP Port: setup port for RTSP transmitting (Default: 554)
  3. RTP Start and End Port: in RTSP mode, you may use TCP and UDP for connecting. TCP connection uses RTSP Port (554). UDP connection uses RTP Start and End Port.

d. UPnP

This IP camera supports UPnP, If this service is enabled on your computer, the camera will automatically be detected and a new icon will be added to “My Network Places.”

**Note:** UPnP must be enabled on your computer.

Please follow the procedure to activate UPnP

1. open the Control Panel from the Start Menu
2. select Add/Remove Programs
3. Select Add/Remove Windows Components and open Networking Services section
4. Click Details and select UPnP to setup the service
5. The IP device icon will be added to “MY Network Places”
6. User may double click the IP device icon to access IE browser

ii\_ PPPoE\_

The screenshot shows a configuration window titled "PPPoE". It has a header "PPPoE Setting" and two radio buttons: "Enabled" (unselected) and "Disabled" (selected). Below are two text input fields labeled "Username:" and "Password:". A section titled "Send mail after dialed" contains an unchecked checkbox for "Enabled" and a "Subject:" field with the text "PPPoE From IPcam". An "Apply" button is located at the bottom right.

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\_

IR IP camera supports DDNS (Dynamic DNS) and Manual Built-in DDNS services.

### a. DynDNS\_

**DDNS**

**DDNS Setting**

Enabled     Disabled

Provider:

Hostname:

Username:

Password:

Schedule Update:  Minutes

**State**

**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 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:  ▼

Username:

Schedule Update:  Minutes

**State**

▲ ▼

**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.

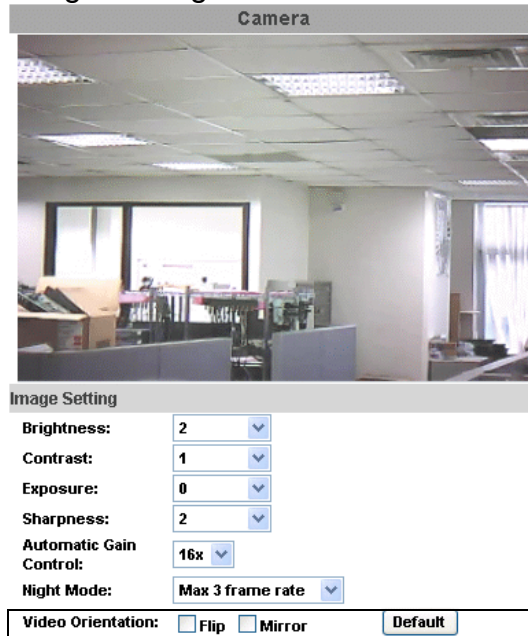
1. Please enable this service
2. Key-in user name.
3. IP Schedule update is default at 5 minutes
4. Click "Apply".

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.

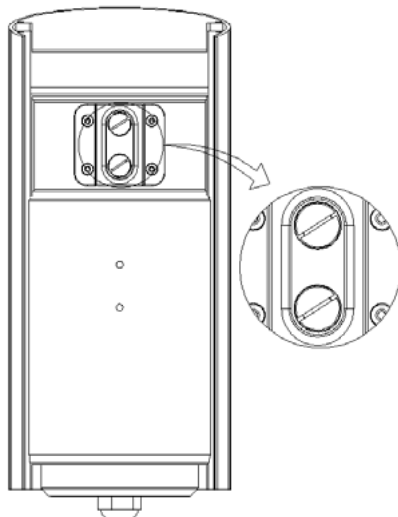
## C.A/V Setting

### i\_ Image Setting



Adjust "Brightness", "Contrast", "Hue", "Saturation" to get clear video. If needed, please select "Back Light Compensation" ON to compensate back light situation

### ii\_ This IP camera belongs to external varifocal lens adjustment camera. Please adjust "ZOOM" first and "FOCUS" in the following to complete the adjustment.



## iii\_ Video Setting

User may select 2 streaming output simultaneously:

Streaming 1 Setting: Basic mode and Advanced mode

Streaming 2 Setting: Basic mode, Advanced mode, and 3GPP mode

(Max Video Frame Rate for both streaming combined is 30 FPS)

### a. Streaming 1 Basic Mode\_

The screenshot shows a web-based configuration interface for video streaming. At the top, there is a header 'Video Setting' and a sub-header 'Streaming 1 Setting'. Below this, there are two radio buttons: 'Basic Mode' (selected) and 'Advanced Mode'. The interface includes several dropdown menus for configuration: 'Resolution' set to 'VGA - 640x480', 'Quality' set to 'Best', 'Video Frame Rate' set to '10 FPS', 'Video Format' set to 'MPEG4', and 'Video System' set to '60 Hz'. At the bottom, there is a text input field for 'RTSP Path' and a label 'Audio:G.711'.

#### 1. Resolution\_

There are 4 resolutions to choose.

NTSC and PAL

SXGA – 1280\_1024

VGA – 640\_480

QVGA – 320\_240

QQVGA – 160\_120

#### 2. Quality\_

There are 5 levels to adjust:

Best/ High/ Standard/ Medium/ Low

The higher the quality is, the bigger the file size is.

Also not good for internet transmitting

#### 3. Video Frame Rate\_ The video refreshing rate per second.

#### 4. Video Format\_ MPEG4 or JPEG.

#### 5. RTSP Path: RTSP output name

b. Streaming 1 Advanced Mode\_

**Streaming 1 Setting**

Basic Mode  **Advanced Mode**

Resolution: **VGA - 640x480** ▼

Bitrate Control Mode:  CBR  **VBR**

Video Quantitative: **9** ▼

Video Bitrate: **1.5Mbps** ▼

Video Frame Rate: **10 FPS** ▼

GOP Size: **1 X FPS** ▼ **GOP = 10**

Video Format: **MPEG4** ▼

Video System: **60 Hz** ▼

RTSP Path:  **ex:rtp://</>/ Audio:G.711**

1. Resolution\_

There are 4 resolutions to choose.

NTSC and PAL

SXGA – 1280\_1024

VGA – 640\_480

QVGA – 320\_240

QQVGA – 160\_120

2. Bitrate Control Mode

There are CBR\_Constant Bit Rate\_ and VBR\_Variable Bit Rate\_to use.

CBR\_32Kbps~4Mbps – Increase CBR to increase the picture quality; vise versa

VBR\_1(Low)~10(High) – Compression rate, the higher the compression rate, the lower the picture quality is; vise versa. The balance between VBR and network bandwidth will affect picture quality. Please carefully select the VBR rate to avoid picture breaking up or lagging.

3. Video Frame Rate

Picture display frame per second

NTSC: Max 30 frames/second PAL: Max 25 frames/second

4. GOP Size

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.
6. RTSP Path: RTSP output connecting route

c. Streaming 2 Basic Mode\_

**Streaming 2 Setting**

Basic Mode    Advanced Mode    3GPP Mode    Close

Resolution:

Quality:

Video Frame Rate:

Video Format:

RTSP Path:    **ex:rtsp://<>/v2**   **Audio:G.711**

1. Resolution\_  
There are 3 resolutions to choose.  
NTSC and PAL  
VGA – 640\_480  
QVGA – 350\_240  
QQVGA – 160\_120
2. Quality\_  
There are 5 levels to adjust:  
Best/ High/ Standard/ Medium/ Low  
The higher the quality is, the bigger the file size is. Also not good for internet transmitting
3. Video Frame Rate :  
Picture display frame per second.  
Max 30 frames/second (1280x960 Max FPS :15)
4. Video Format\_MPEG4 or JPEG
5. RTSP Path: RTSP output connecting route

d. Streaming 2 Advanced Mode\_

Streaming 2 Setting

Basic Mode  Advanced Mode  3GPP Mode  Close

Resolution:

Bitrate Control Mode:  CBR  VBR

Video Quantitative:

Video Bitrate:

Video Frame Rate:

GOP Size:  GOP = 20

Video Format:

RTSP Path:  ex:rtsp://<>v2 Audio:G.711

1. Resolution\_  
There are 3 resolutions to choose.  
NTSC and PAL  
VGA – 640\_480  
QVGA – 350\_240  
QQVGA – 160\_120
2. Bitrate Control Mode  
There are CBR\_Constant Bit Rate\_ and VBR\_Variable Bit Rate\_to use.  
CBR\_32Kbps~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 Size  
It means "Group of Pictures". The higher the GOP is, the better the quality is.
5. Video Format\_MPEG4 or JPEG
6. RTSP Path: RTSP output name

e. Streaming 2, 3GPP mode:

Streaming 2 Setting

Basic Mode  Advanced Mode  3GPP Mode  Close

Resolution: QQVGA - 160x120

Bitrate Control Mode:  CBR  VBR

Video Quantitative: 7

Video Bitrate: 128Kbps

Video Frame Rate: 5 FPS

GOP Size: 1 X FPS GOP = 5

Video Format: MPEG4

3GPP Path: 3g ex:rtsp://</>3g Audio:AMR

ex:rtsp://</>3gx No Audio

3GPP default value is QQVGA\_128Kbp\_5FPS\_GOP=1XFPS

3GPP mode suggested setting: QQVGA, lower than 128kbps, 5FPS, GOP= 1x FPS or 2x FPS, MPEG4 format

3GPP can achieve up to 10FPS, In 3GPP mode, Stream 1 & Stream 2 combined frame rate is 20FPS

1. Fix Resolution\_  
QQVGA – 160\_120
2. Bitrate Control Mode  
There are CBR\_Constant Bit Rate\_ and VBR\_Variable Bit Rate\_ to use.  
CBR\_32Kbps~320bps (the higher the CBR is, the better the video quality is)  
VBR\_1~10 (Compression Rate)
3. Video Frame Rate ( **5 FPS is recommended** )  
The video refreshing rate per second.
4. GOP Size  
It means "Group of Pictures". The higher the GOP is, the better the quality is.
5. Video Format\_MPEG4 or JPEG
6. 3GPP: 3GPP output name

## D.Event List

IR IP CAMERA provides multiple event settings.

### i\_ Event Setting

Event Setting

Motion Detection

Area Setting: Area 1 Area 2 Area 3

Sensitivity: 5 5 5

Area 1:  E-mail  FTP  Save to SD card

Area 2:  E-mail  FTP  Save to SD card

Area 3:  E-mail  FTP  Save to SD card

Subject: IP Camera Warning!

Interval: 10 sec a period of time between every two motions detected.

Based on the schedule

Record File

File Format: AVI File(with Record Time Setting)

Record Time Setting

Pre Alarm: 5 sec Post Alarm: 5 sec

Network Dis-connected

Dis-connected:  Save to SD card

Network IP Check

IP Check:  Enabled  Disabled

IP Address: www.google.com

Interval: 30 sec

IP Check:  Save to SD card

- a. Motion Detection  
IP CAMERA allows 3 areas motion detection. When motion is triggered, it can send video to some specific mail addresses, transmit video to remote ftp server. To set up the motion area, click "Area Setting". Using mouse to drag and set the area. The same operation for area 2 and 3.
- b. Record File Setting: IP CAMERA allows 3 different types of recording file to change its record size.  
When motion/alarm is triggered, there are 3 different types of record mode.
  1. AVI File (With Record File Setting )
  2. Multi-JPEG (With Record File Setting), only with JPEG compression format.
  3. Single JPEG (Single File with Interval Setting)
- c. 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.

Note: Pre/Post Alarm record time is base on record time setting and IP Cam built-in Ram memory. Limited by IP Cam built-in Ram Memory, When information is too much or video quality set too high, it will cause recording frame drop or decrease on post alarm recording time.

## ii\_ Schedule

Schedule																								
All	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon.																								
Tue.																								
Wed.																								
Thu.																								
Fri.																								
Sat.																								
Sun.																								

With schedule setup.

Snapshot	
<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
Snapshot:	<input type="checkbox"/> E-mail <input type="checkbox"/> FTP
Interval:	<input type="text" value="10"/> Second(s) [1..50000]
File Name:	<input type="text"/>
<input type="button" value="Apply"/>	

- a. Schedule : Use the mouse to perform the schedule setting. The set up date will be shown in green.
- b. Snapshot: the snapshot file can be send by E-mail and FTP. Moreover, the snapshot interval cab be set from 1 ~50000 sec.

## iii\_ Mail & FTP

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

Mail & FTP	
<b>Mail Setting</b>	
Mail Server:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="text"/>
Sender's Mail:	<input type="text"/>
Receiver's Mail:	<input type="text"/>
Bcc Mail:	<input type="text"/>
<b>FTP Setting</b>	
FTP Server:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="text"/>
Port:	<input type="text" value="21"/>
Path:	<input type="text" value="/"/>
<input type="button" value="Apply"/>	

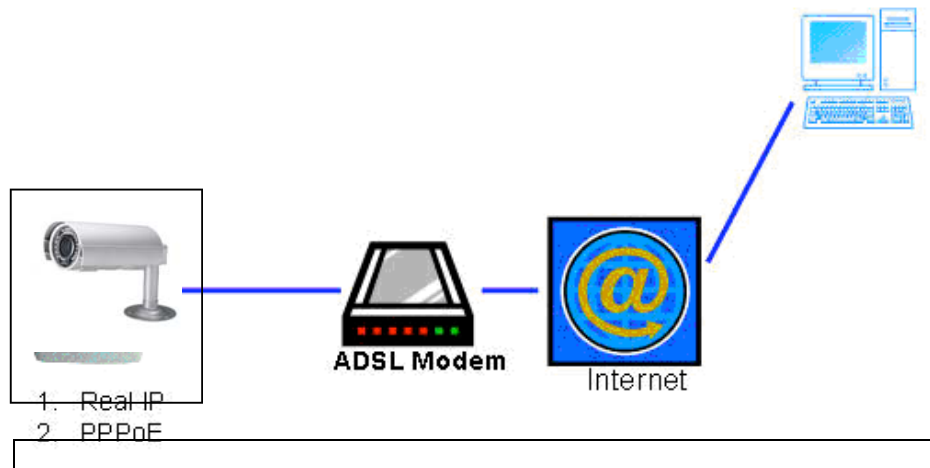
## iv\_ Log List

Log List	
System Logs	<a href="#">Logs</a>
Motion Detection Logs	<a href="#">Logs</a>
I/O Logs	<a href="#">Logs</a>
All Logs	<a href="#">Logs</a>
<input type="text"/>	<a href="#">Logs</a>

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.

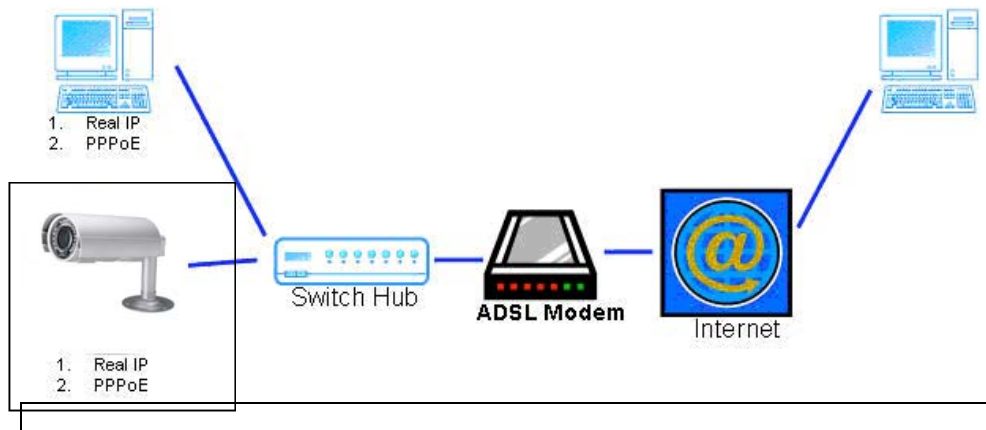
## Network Configuration

### i\_ Configuration 1\_



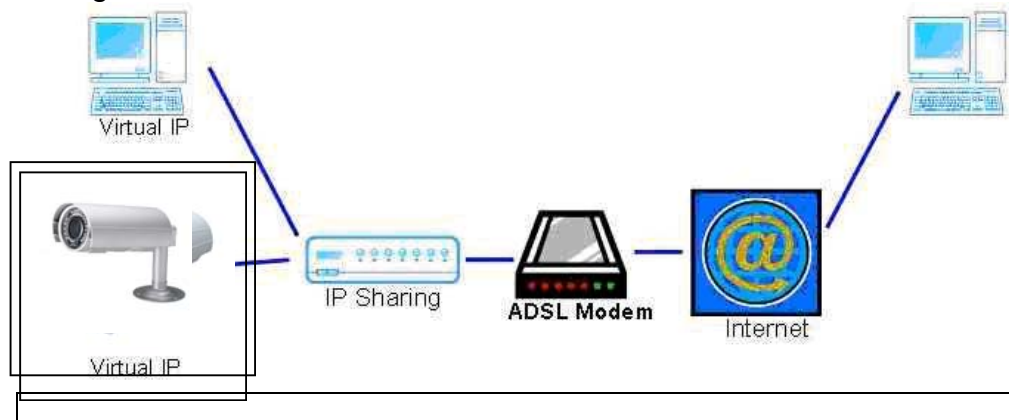
- a. Internet Access\_ADSL or Cable Modem
- b. IP address\_One real IP or one dynamic IP
- c. Only IR IP CAMERA connects to the internet
- d. For fixed real IP, set up the IP into IR IP CAMERA. For dynamic IP, start PPPoE.

### ii\_ Configuration 2\_



- a. Internet Access\_ADSL or Cable Modem
- b. IP address\_More than one real IP or one dynamic IP
- c. IR IP CAMERA and PC connect to the internet
- d. Device needed\_Switch Hub
- e. For fixed real IP, set up the IP into IR 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. IR IP CAMERA and PC connect to the internet
- d. Device needed\_IP sharing
- e. Use virtual IP, set up port forwarding in IP sharing.

## VI. Package contents

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

## Appendix I

### SD Card Recommended\_

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

AZIENDA CON SISTEMA DI  
GESTIONE PER LA QUALITÀ  
CERTIFICATO DA DNV  
=UNI EN ISO 9001:2000=



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