

USER MANUAL

IP VANDAL DOME

TCDN-1 1 DN (*COD. KUNTD1 1D*)



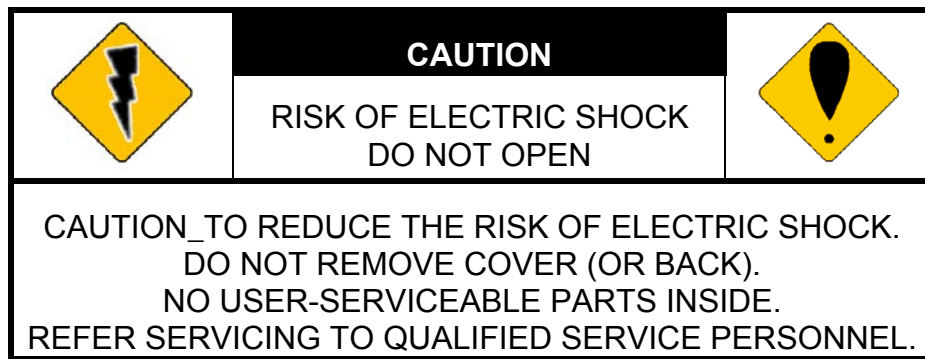
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WARNINGS

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

IP Vandal Dome is a professional CCD IP Vandal Dome. 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.

IP Vandal Dome is an easy-to-use IP Camera which is designed for security application.

II. Product Specifications

- Support PoE (Power Over Ethernet) - Optional
- Support IP66 (Weatherproof)
- Support Dual streaming
- High Resolution (540 TV Lines)
- True Day/Night function, removable IR Cut Filter, ICR
- Vandal Proof (Polycarbonate shell withstand impact up to 400 pounds)
- MPEG4/ JPEG compression
- Supports SD card for local recording
- 2-way audio
- Support Cell Phone/PDA
- Support 3GPP
- Online firmware upgrade
- Compatible with Microsoft Windows Media Player

Specifications

Hardware	
Model	TCDN-11DN
Picture Elements H_V	NTSC_768_494, PAL_752_582
Horizontal Resolution	More than 540 TV Lines
Image sensor	1/3" CCD
Lens Changeable	3.7~12mm vari-focal lens,F1.6
IR LED	IR LED Built-in (optional)
CPU	ARM 9 ,32 bit RISC
SDRAM	64MB
Flash	8MB
Video Out	1 Vp-p, 75 Ohms
I/O	1 in/out Relay out (COM. & N.O.)
Audio in	1
Audio Out	1
Power Consumption	DC 12V, 490mA

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Dimensions (W_H_D)	126 x 126 x 100 mm	
Weatherproof	IP66	
Vandal Proof	Polycarbonate shell can withstand impact up to 10 pounds	
Network		
Ethernet	10/ 100 Base-T	
Network Protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP, UPnP	
System		
Video Resolution	NTSC_720x480, 704x480,352x240, 176x120	
	PAL_720x576, 704x576, 352x288, 176x144	
Video adjust	Brightness, Contrast, Saturation, Hue	
Power Over Ethernet(PoE)	Optinal	
Dual Streaming	Yes	
CCD setting	BLC	
Image snapshot	Yes	
Full screen monitoring	Yes	
Compression format	MPEG-4/ JPEG	
Video bitrate adjust	CBR, VBR	
Motion Detection	Yes, 3 different areas	
Triggered action	Mail, FTP, Save to SD card	
Pre/ Post alarm	Yes, configurable	
Security	Password protection	
Firmware upgrade	HTTP mode, can be upgraded remotely	
Simultaneous connection	Up to 10	
Audio	Yes, 2-way	
SD card management		
Recording trigger	Motion Detection, IP check, Network break down (wire only)	
Video format	AVI, JPEG	
Video playback	Yes	
Delete files	Yes	
Web browsing requirement		
OS	Windows 2000, XP, 2003, Microsoft IE 6.0 or above	
Hardware	Suggested	Intel-C 2.0G, RAM_512MB, Graphic card_64MB
	Minimum	Intel-C 1.6G, RAM_256MB, Graphic card_32MB

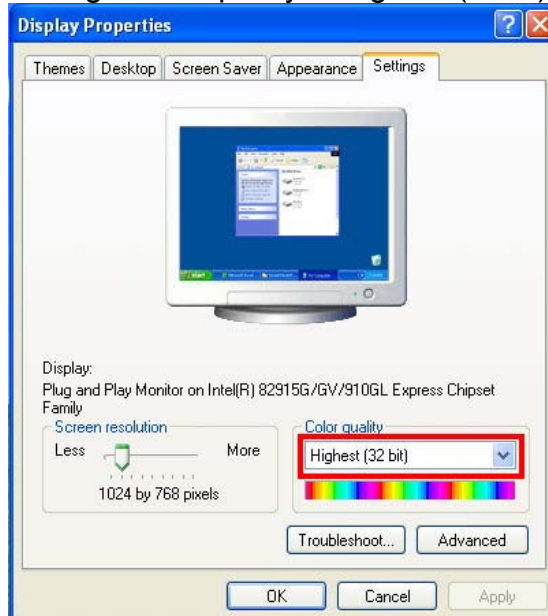
III. Product Installation

A. Monitor Setting

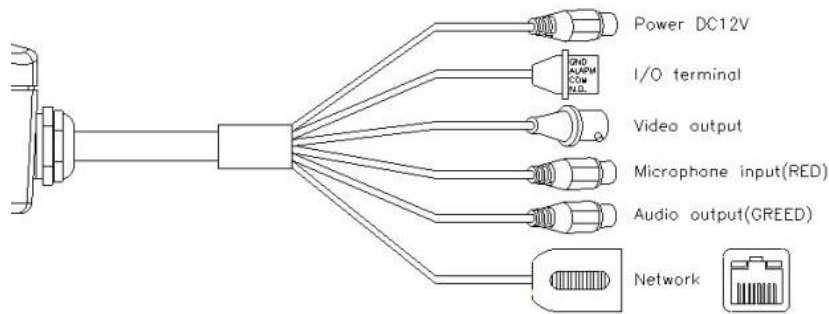
- i. Right-Click on the desktop. Select “ Properties”.



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



B. Hardware Installation



- i. Connect power adaptor
- ii. Connect Ethernet cable to IP Camera
- iii. Connect IP Camera to a computer or Local network.

_1 I/O Control Instruction

I/O terminal connector – used in application, for e.g., motion detection, event triggering, alarm notifications. It provides the interface to:

1 Digital Input (GND+Alarm) – An alarm input for connecting devices that can toggle between an open and closed circuit, for example: PIRs, door/window contacts, glass break detectors, etc. When a signal is received the state changes and the input becomes active.

1 Relay output (COM +N.O.) – An output to Relay switch, for example: LEDs, Sirens, etc

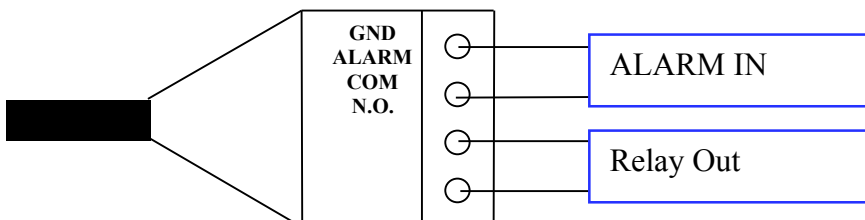
Digital Input

Alarm Input

1. GND (Ground) : Initial state is LOW
2. Alarm : Max. 50mA, 12VDC

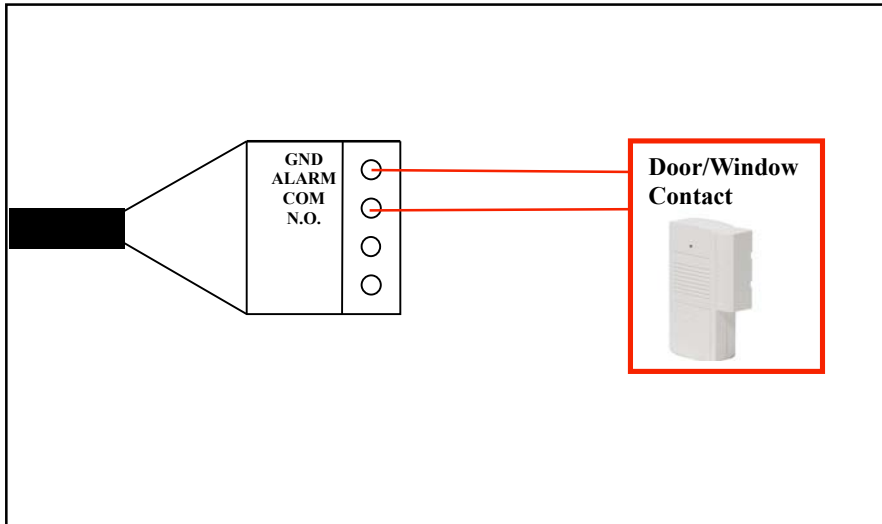
Relay Output

1. COM: (Common)
2. N.O. (Normally Open): Max. 1A, 24VDC or 0.5A, 125VAC

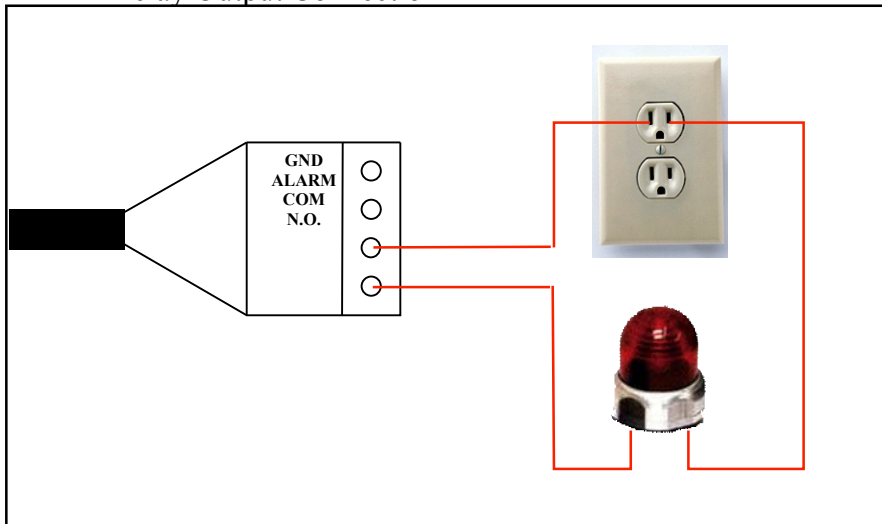


B-2 Relay Connection:

Digital Input connection



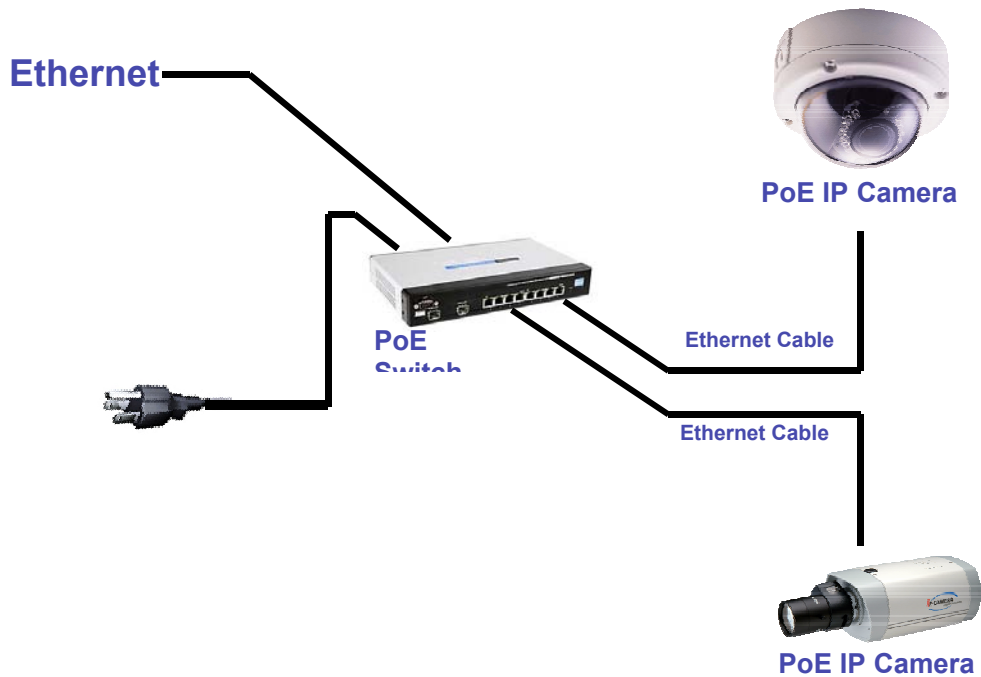
Relay Output Connection



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B-3 PoE (Power Over Ethernet)(Optional) **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.

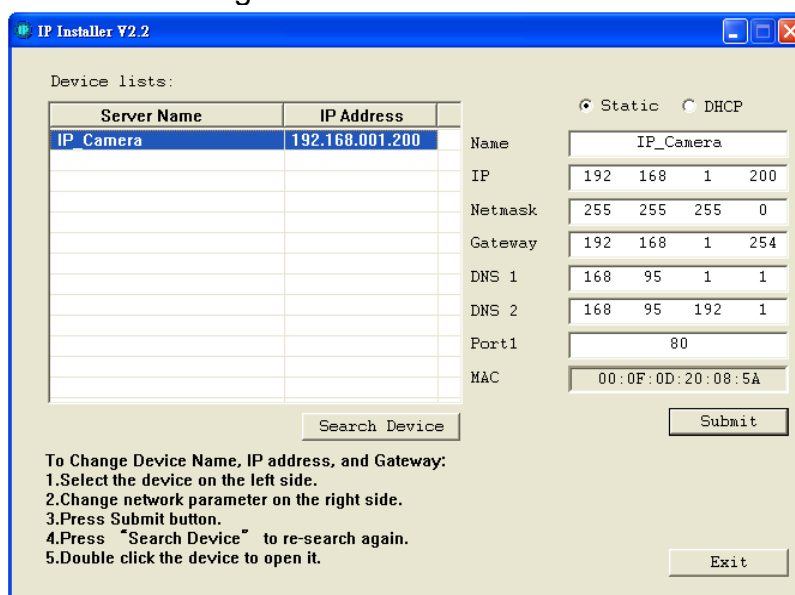


C. IP Assignment

- 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

HESAVISION IP

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:

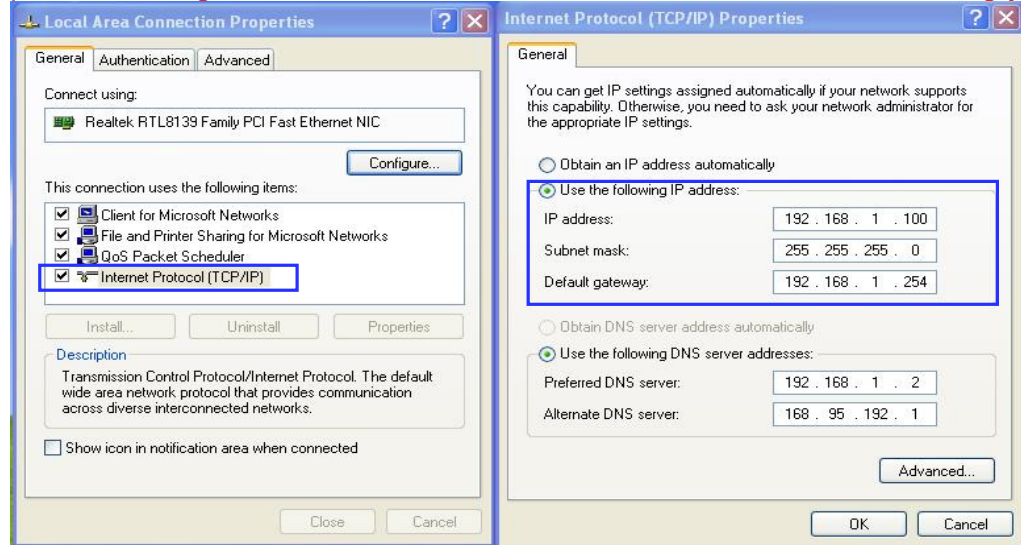
IP CAM IP address: 192.168.2.200

PC IP address: 192.168.1.100

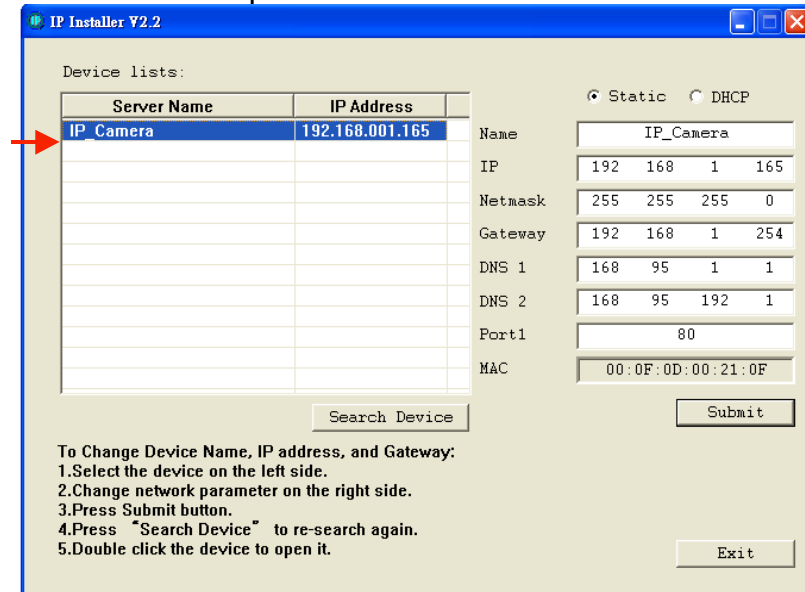
To Change PC IP address:

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

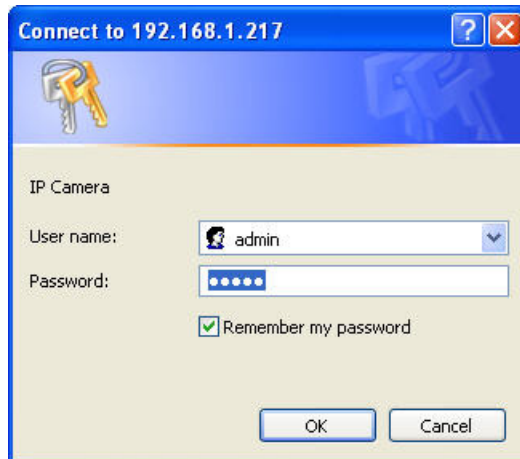
Please make sure your IP Camera and PC have the same Subnet. If not, please change IP Camera subnet or PC IP subnet accordingly.



- 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.

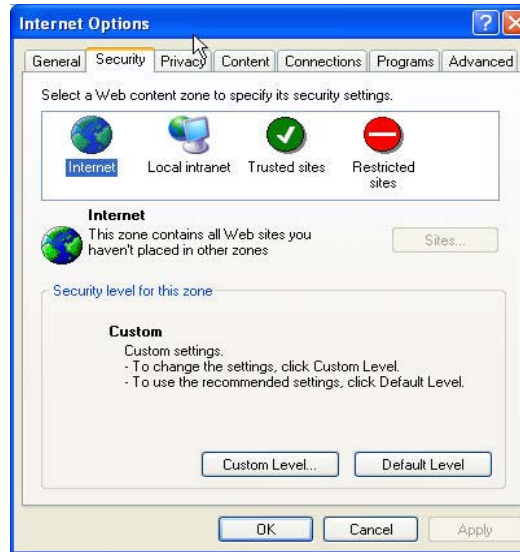
If the installation failed, please check the security setting for the IE browser.

- 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

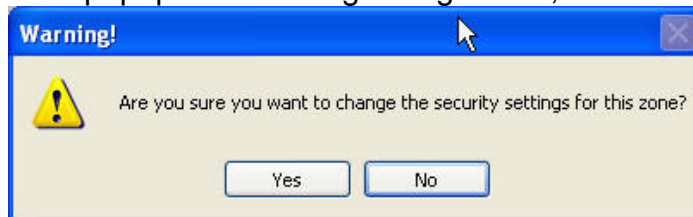


4



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 2

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1.  _Get into the administration page
2.  _Video Snapshot
3. Show system time, video resolution, and video refreshing rate
4. IP Camera supports 2-way audio. Click the “Chatting” check box. Then you can use microphone which connects to the PC to talk to server side, which is IP Camera side
5. Control the relay which is connected to this camera.

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. Mute_Turn of the audio. Click again to turn on it.
4. Full Screen_Full-screen mode.

V. IP Vandal Dome Configuration

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



The screenshot displays the administration interface for the HESAVISION IP system. On the left is a navigation menu with categories: System, Network, AV Setting, and Event List. The main content area shows the 'System Information' configuration page. The configuration is organized into several sections:

- System Information**
 - 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 18:33:38 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.

The screenshot shows a web interface titled "User Management". It has three main sections: "Anonymous User Login", "Add User", and "User List".

Anonymous User Login: This section contains two radio buttons: "YES" (unselected) and "NO" (selected). To the right is a "Setting" button.

Add User: This section contains three input fields: "Username:", "Password:", and "Confirm:". To the right of these fields is an "Add/Set" button.

User List: This section contains a table with the following data:

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 dialog box titled "User Setup" within a "Microsoft Internet Explorer" window. The dialog box has three input fields: "Username:" (containing "admin"), "Password:", and "Confirm:". To the right of the "Confirm:" field is an "OK" button.

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

IP Vandal Dome supports DHCP and static IP.

IP Setting	
IP Assignment	
<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"/>
Port Assignment	
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]
UPnP	
UPnP:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
<input type="button" value="Apply"/>	

- a. DHCP_Using DHCP, IP Vandal Dome 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 (Universal Plug and play): Display UPnP device icon in _My Network Places_ for hyper link.

ii_ PPPoE_

PPPoE Setting

Enabled Disabled

Username:

Password:

Send mail after dialed

Enabled

Subject:

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_

IP Vandal Dome supports DDNS (Dynamic DNS) service.

a. DynDNS_

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 DymDNS.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 is an Auto Iris IP Camera. If the video is over bright or over exposed, please adjust the Auto Iris Level to improve the video
 - a. Before adjust Auto Iris Level, please turn off the Back Light Compensation
 - b. Please refer to following diagram to make proper Auto Iris Level adjustment



Auto Iris Level

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_

Video Setting	
Streaming 1 Setting	
<input checked="" type="radio"/> Basic Mode <input type="radio"/> Advanced Mode	
Resolution:	4CIF - 704x480 ▾
Quality:	Standard ▾
Video Frame Rate:	25 FPS ▾
Video Format:	MPEG4 ▾
Access Name:	rtsp://<<IP>>/

1. Resolution_

There are 4 resolutions to choose.

	NTSC	/	PAL
D1	- 720_480	/	720_576
4CIF	- 704_480	/	704_576
CIF	- 352_240	/	352_288
QCIF	- 176_120	/	176_144

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 Format_MPEG4 or JPEG.

4. Access Name: RTSP output name

b. Streaming 1 Advanced Mode_

Video Setting	
Streaming 1 Setting	
<input type="radio"/> Basic Mode <input checked="" type="radio"/> Advanced Mode	
Resolution:	4CIF - 704x480 ▾
Bitrate Control Mode:	<input checked="" type="radio"/> CBR <input type="radio"/> VBR
Video Quantitative:	7 ▾
Video Bitrate:	1.5Mbps ▾
Video Frame Rate:	25 FPS ▾
GOP Size:	1 X FPS ▾ GOP = 25
Video Format:	MPEG4 ▾
Access Name:	rtsp://<<IP>>/

1. Resolution_

There are 4 resolutions to choose.

		NTSC	/	PAL
D1	-	720_480	/	720_576
4CIF	-	704_480	/	704_576
CIF	-	352_240	/	352_288
QCIF	-	176_120	/	176_144

2. Bitrate Control Mode

There are CBR_Constant Bit Rate_ and VBR_Variable Bit Rate_to use.

CBR_64Kbps~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. Access Name: RTSP output connecting route

c. Streaming 2 Basic Mode_

Streaming 2 Setting

Basic Mode
 Advanced Mode
 3GPP Mode
 Close

Resolution: D1 - 720x480

Quality: Best

Video Frame Rate: 0 FPS

Video Format: MPEG4

Access Name: v2 rtsp://<<IP>>/v2

3GPP: 3g rtsp://<<IP>>/3g

1. Resolution_

There are 4 resolutions to choose.

	NTSC	/	PAL
D1	720_480	/	720_576
4CIF	704_480	/	704_576
CIF	352_240	/	352_288
QCIF	176_120	/	176_144

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 Format_MPEG4 or JPEG

4. Access Name: RTSP output connecting route

5. 3GPP: 3GPP output name

d. Streaming 2 Advanced Mode_

Streaming 2 Setting

Basic Mode
 Advanced Mode
 3GPP Mode
 Close

Resolution: D1 - 720x480

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

Access Name: v2 rtsp://<<IP>>/v2

3GPP: 3g rtsp://<<IP>>/3g

1. Resolution_

There are 4 resolutions to choose.

	NTSC	/	PAL
D1	720_480	/	720_576
4CIF	704_480	/	704_576
CIF	352_240	/	352_288
QCIF	176_120	/	176_144

2. Bitrate Control Mode
There are CBR_Constant Bit Rate_ and VBR_Variable Bit Rate_to use.
CBR_64Kbps~4Mbps (the higher the CBR is, the better the video quality is)
VBR_1~10 (Compression Rate)
3. Video Frame Rate
The video refreshing rate per second.
4. GOP Size
It means "Group of Pictures". The higher the GOP is, the better the quality is.
5. Video Format_MPEG4 or JPEG
6. Access Name: RTSP output name
7. 3GPP: 3GPP output name

e. Streaming 2, 3GPP 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 = 5**

Video Format:

Access Name: **rtsp://<<IP>>/v2**

3GPP: **rtsp://<<IP>>/3g**

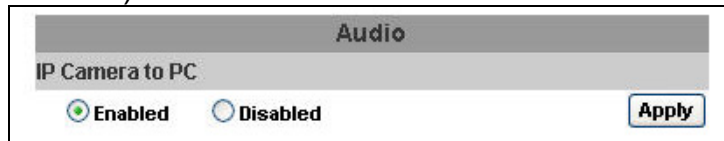
3GPP mode suggest setting: QCIF, lower than 128kbps, 5FPS, GOP= 1x FPS or 2x FPS, MPEG4 format

1. Fix Resolution_
QCIF – 176_120 / 176_144
2. Bitrate Control Mode
There are CBR_Constant Bit Rate_ and VBR_Variable Bit Rate_to use.
CBR_64Kbps~4Mbps (the higher the CBR is, the better the video quality is)
VBR_1~10 (Compression Rate)
3. Video Frame Rate (**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. Access Name: RTSP output name
7. 3GPP: 3GPP output name

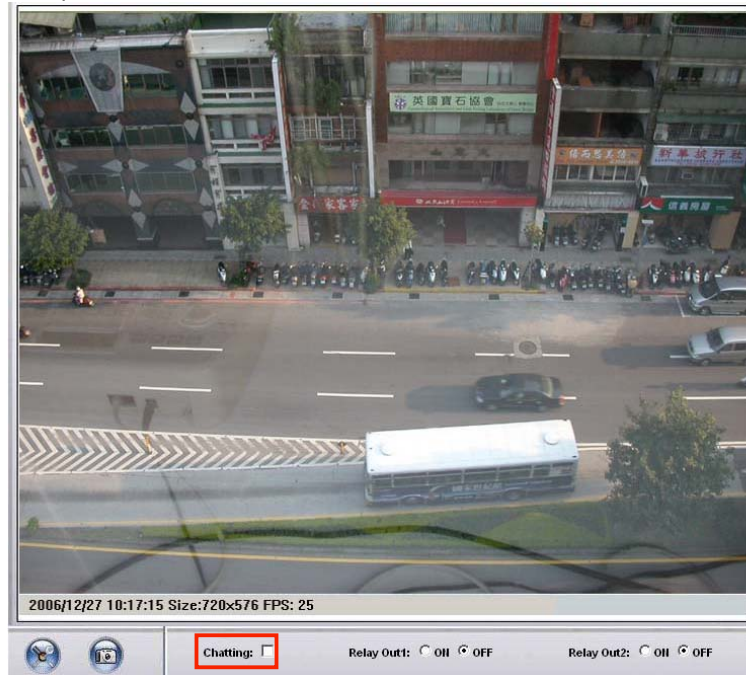
iv_ Audio_

IP Vandal Dome supports 2-way audio.

- a. For IP camera to local PC, select "Enabled" to start this function (When enabled, you can send audio via external mic in the IP Camera)



- b. For local PC to IP camera, check "chatting" in the browsing page (You will need a mic to send audio from local PC to IP Camera)



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

D.Event List

IP Vandal Dome provides multiple event settings.

i_ Event Setting

The screenshot shows the 'Event Setting' web interface. At the top, there's a 'Motion Detection' section with a camera view showing three motion detection areas: Area 1 (blue), Area 2 (green), and Area 3 (red). Below the camera view, there are 'Area Setting' options for each area, including sensitivity (set to 5) and checkboxes for E-mail, FTP, Out1, and Save to SD card. The 'Subject' is set to 'IP Camera Warning!' and the 'Interval' is set to 10 sec. The 'Record Time Setting' section has 'Pre Alarm' and 'Post Alarm' both set to 5 sec. The 'Network IP Check' section has 'IP Check' set to Disabled, 'IP Address' set to www.google.com, and 'Interval' set to 30 sec. An 'Apply' button is located at the bottom right.

- 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, trigger the relay, and save video to local SD card. 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.
- 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.
- Network Dis-connected
When the network is down, it will save the video to local SD card.
This function is only enabled in wire connection.
- Network IP check
For the use of recording software, IP CAMERA supports the detection of network connection. Whenever the connection is down, it records the video to SD card. To use this function, key in the IP address of the PC which is installed in the recording software, and enable the function of “Save to SD card”, then click “Apply”.

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

ii_ I/O Setting

IP Camera supports 1 input/ 1 output. When input is triggered, it can send the video to some specific mail addresses, transmit the video to remote ftp server, trigger the relay, and save video to local SD card.

I/O Setting	
Input Setting	
Input 1 Action:	<input type="checkbox"/> E-mail <input type="checkbox"/> FTP <input type="checkbox"/> Out1 <input type="checkbox"/> Save to SD card
Subject:	<input type="text" value="GPIO In Detected!"/>
Interval:	<input type="text" value="10 sec"/>
Output Setting	
Mode Setting:	<input checked="" type="radio"/> OnOff Switch <input type="radio"/> Time Switch
Interval:	<input type="text" value="10 sec"/>
<input type="button" value="Apply"/>	

iii_ Mail & FTP

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

Mail & FTP	
Mail Setting	
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"/>
FTP Setting	
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_ SD card

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

Note_ The use of the SD card will affect the operation of the IP Vandal Dome slightly, such as affecting the frame rate of the



a. Playback_



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

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

1 2 3 4 5

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

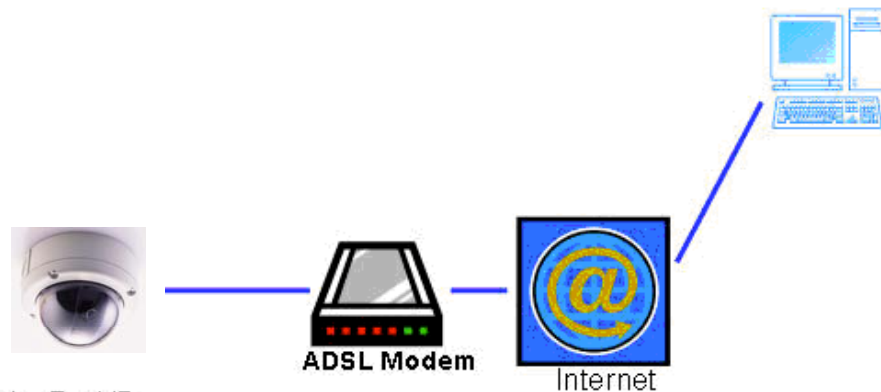
v_ Log List

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

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

VI. Network Configuration

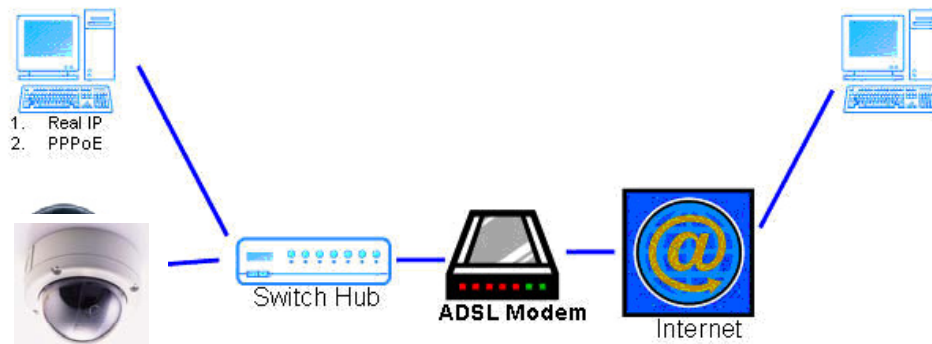
i_ Configuration 1_



1. Real IP
2. PPPoE

- a. Internet Access_ADSL or Cable Modem
- b. IP address_One real IP or one dynamic IP
- c. Only IP Vandal Dome connects to the internet
- d. For fixed real IP, set up the IP into IP Vandal Dome. For dynamic IP, start PPPoE.

ii_ Configuration 2_

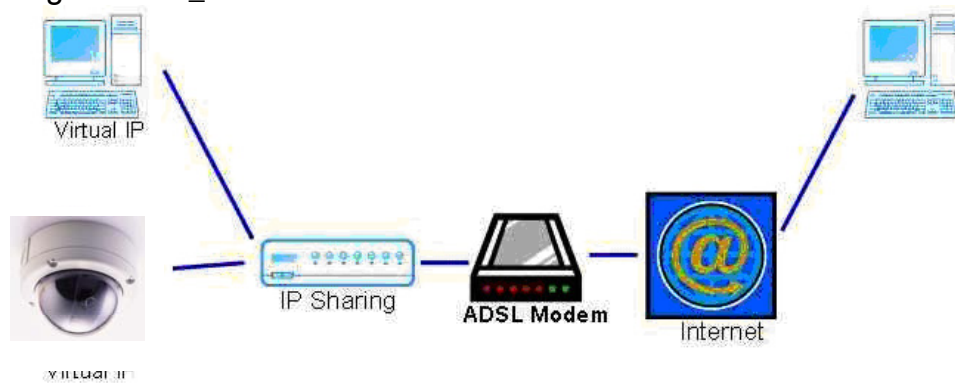


1. Real IP
2. PPPoE

2. PPPoE

- a. Internet Access_ADSL or Cable Modem
- b. IP address_More than one real IP or one dynamic IP
- c. IP Vandal Dome and PC connect to the internet
- d. Device needed_Switch Hub
- e. For fixed real IP, set up the IP into IP Vandal Dome and PC. For dynamic IP, start PPPoE.

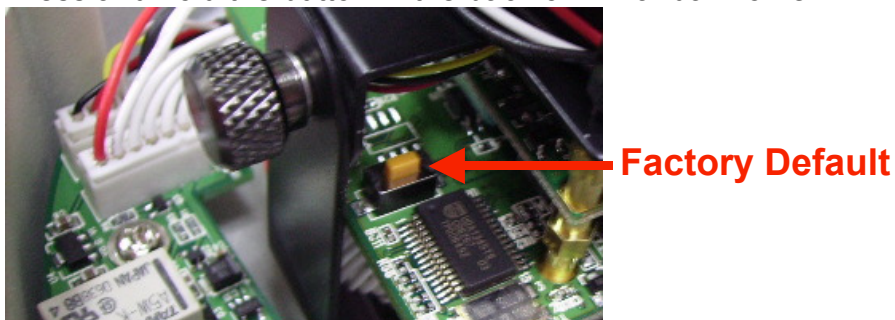
iii_ Configuration 3_



- a. Internet Access_ADSL or Cable Modem
- b. IP address_one real IP or one dynamic IP
- c. IP Vandal Dome and PC connect to the internet
- d. Device needed_IP sharing
- e. Use virtual IP, set up port forwarding in IP sharing.

VII. Factory Default

- i_ To recover the default IP address and password, please follow the following steps.
- ii_ Press and hold the button in the back of IP Vandal Dome.



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

VIII. Package contents

- i_ IP Vandal Dome 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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