

Client Software User's Manual

The content of this manual will be upgraded irregularly, please forgive us for not issuing a separate notice.

Table of Contents

1 Brief Introduction.....	1
2 Installation Guide.....	1
3 Software Instructions	4
3.1 Main Interface.....	4
3.2 The main interface function	7
3.2.1 Toolbar	7
3.2.1.1 Image Quality.....	7
3.2.1.2 OSD.....	8
3.2.1.3 Sheltered Area	9
3.2.1.4 Motion Detection	9
3.2.2 PTZ Control	10
3.2.3 Device List.....	12
3.2.4 Interface Structure.....	12
3.2.5 Other Function	12
3.2.5.1 Screen Switch.....	12
3.2.5.2 Client_side Setup	13
3.2.5.3 Playback.....	15
3.2.5.4 Language Version.....	16
3.2.5.5 Full Screen	16
3.3 Device property.....	17
3.3.1 Address/Port	17
3.3.2 DDNS.....	18
3.3.3 PPPoE.....	19
3.3.4 Multicast.....	20
3.3.5 E-Mail	21
3.3.6 Date/Time.....	22
3.3.7 Alarm In	23
3.3.8 Alarm Out.....	24
3.3.9 PTZ	25
3.3.10 Video Channel.....	26
3.3.11 Audio Channel.....	27
3.3.12 User	28
3.3.13 Update	29
3.3.14 Record	30
3.3.15 Wireless NIC	31
3.3.16 Miscellaneous (UPnP function)	32
4 Other	33
4.1 LAN and WAN configuration	33
4.2 Application for DDNS	33
4.3 Router configuration	33
Appendix A IE mode.....	34

1 Brief Introduction

The software used to realize the central control for all internet video monitor devices (including:DVS and IP camera) : monitor, data storage, data transfer\manage\control. This version support 1/4/6/8/9//12/16//20/25/30 display, OSD setting, talkback, record playback, alarm control and MD, etc. The interface is friendly and easy, can help to control more than one device in same time. The main functions below:

- Realtime monitor, support CIF/QCIF/Half-D1/D1 format
- Support talkback function
- Support ptz function, allow Pelco D/P and other transparent protocol
- Support alarm /MD/time/ manual trigger record
- Support MD(area/sensitivity optional)/private mask/picture snap
- Support SMTP, send picture to mailbox when alarm
- Support DDNS/PPPoE/DHCP
- Support UPnP,auto configuration port
- Support long distance online upgrade

2 Installation Guide

◆ System requirement

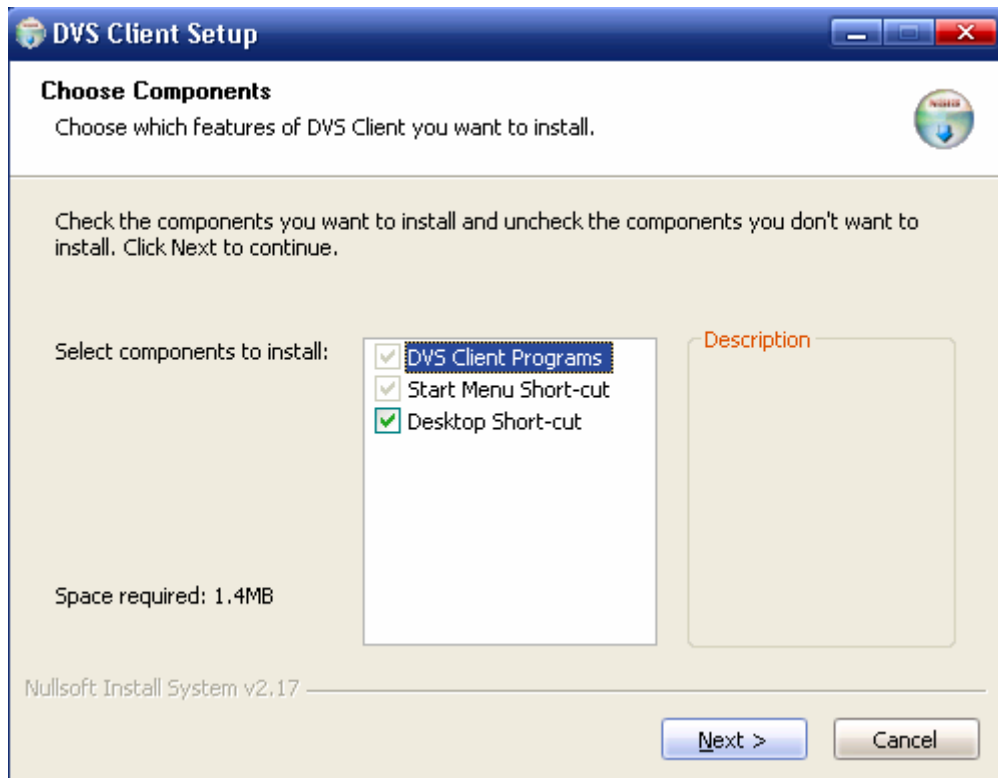
- Operating System: Windows 2000/XP/Vista
- Processor: Intel Pentium III, 1G or Higher (Pentium IV, 2G or Higher recommended)
- RAM: 256 MB or more
- Color Monitor: At least DirectX 8.1 or higher and 32M Display storage
- HD: More than 40G

◆ Software installation

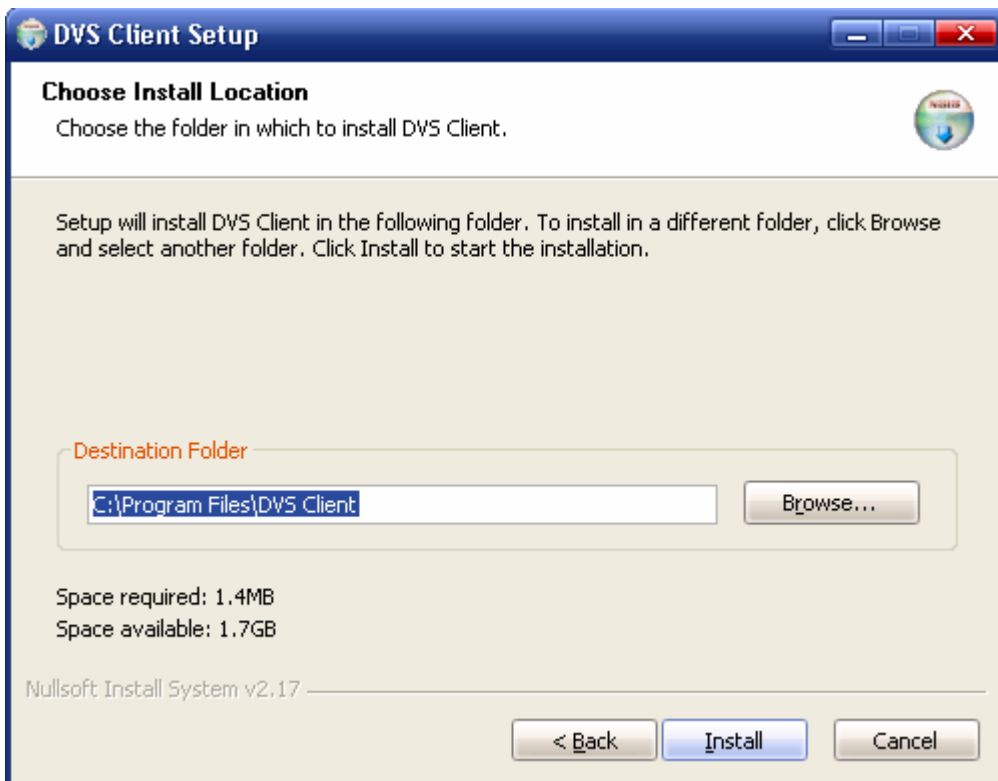
Run the client software DVS_Client_Setup.exe, the window below will pop up:



Select English, and click **【OK】** :

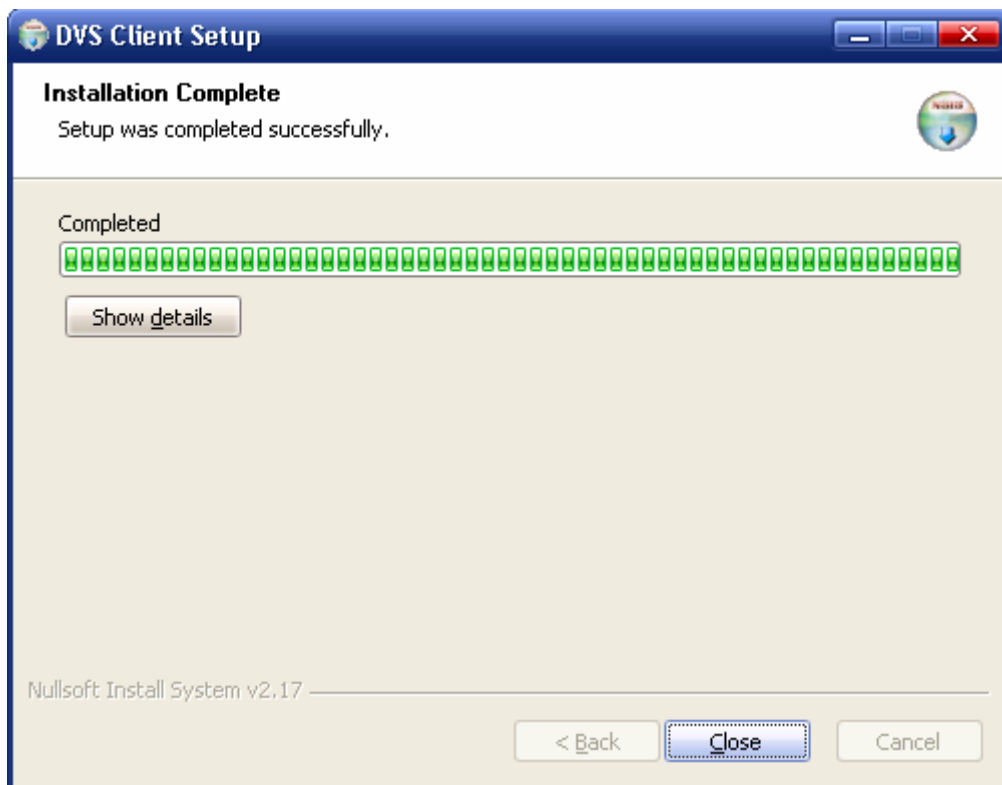


Click **【Next】** , the window below will pop up:



Press **【Browse...】** to change the default path. If you do not want to change, press **【Install】**.

The below window will pop up:

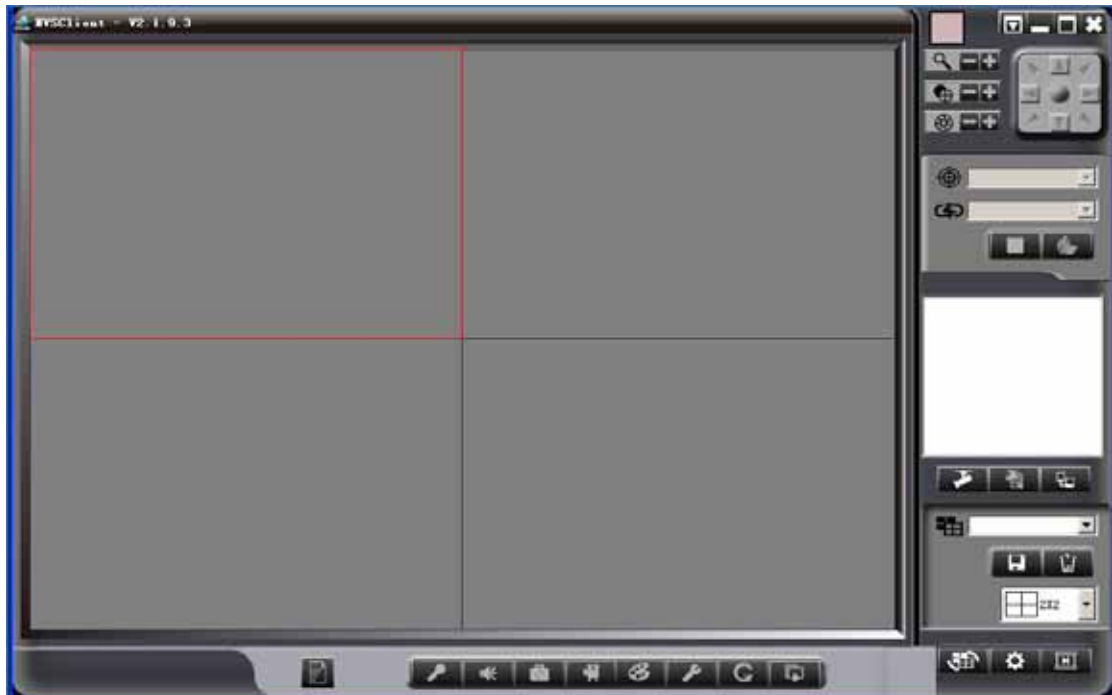


Then the setup is completed successfully.


3 Software Instructions

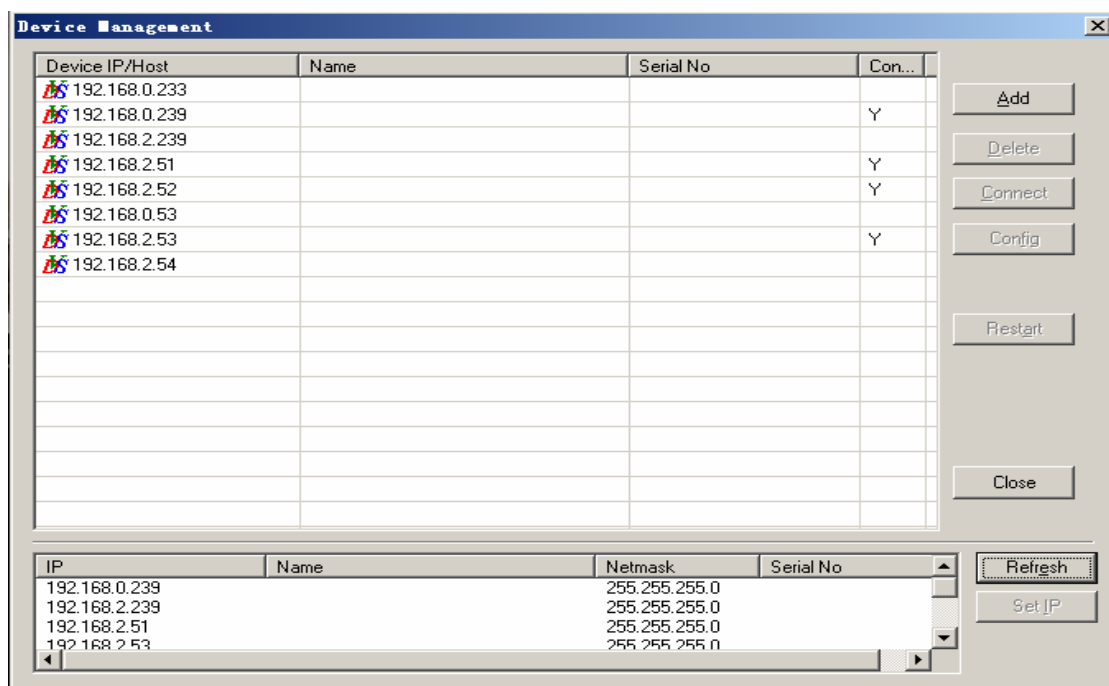
3.1 Main Interface

Run DVS Client software, need input password, default is **blank**. Please refer [【Client Setup】](#) → [【local user management】](#) for user name and password change. The interface as below:



For the first login, user need add the IP address/domain name in order to trigger the monitor screen, the steps are as follows:

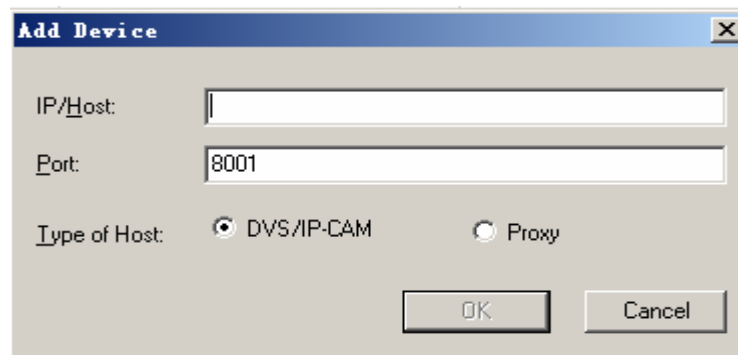
Click  on the right side, pop following dialog:



Mark1: If device not in same network segment, the software can search the IP address but can't link. Please change device and pc in same segment.

Mark2: Default IP is 192.168.0.233, gateway is 192.168.0.1.

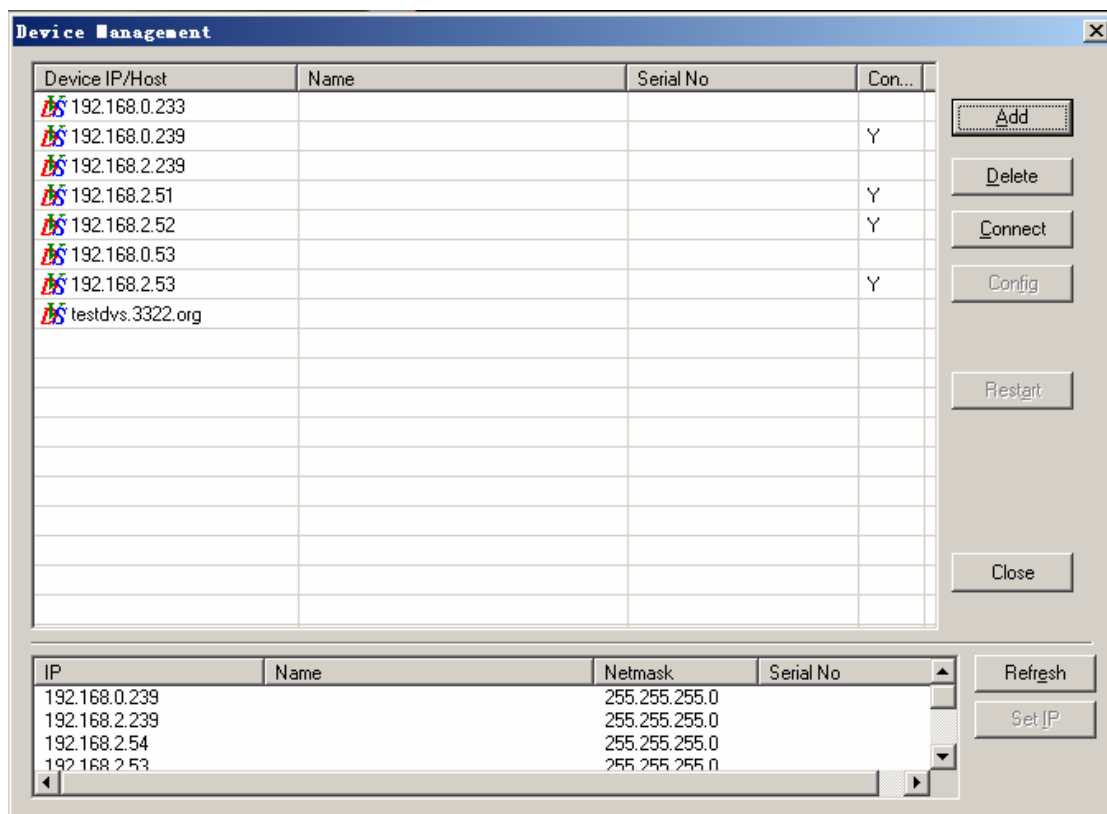
Can add device IP address/ Domain name by manual, click **add** pop following dialog:



The 'Add Device' dialog box contains the following fields and controls:

- IP/Host:** A text input field.
- Port:** A text input field containing the value '8001'.
- Type of Host:** Two radio buttons: 'DVS/IP-CAM' (selected) and 'Proxy'.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right.

Input device IP/domain name, eg input IP/Host testdvs.3322.org, port 8001, device type “DVS/IP-CAM”, click **OK** pop following dialog:



The 'Device Management' dialog box displays a table of devices and a list of IP addresses.

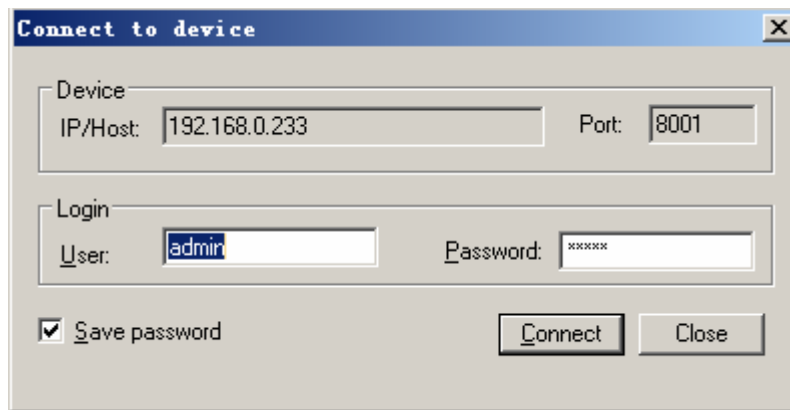
Device IP/Host	Name	Serial No	Con...
192.168.0.233			
192.168.0.239			Y
192.168.2.239			
192.168.2.51			Y
192.168.2.52			Y
192.168.0.53			
192.168.2.53			Y
testdvs.3322.org			

Buttons on the right side of the table: Add, Delete, Connect, Config, Restart, Close.

IP	Name	Netmask	Serial No
192.168.0.239		255.255.255.0	
192.168.2.239		255.255.255.0	
192.168.2.54		255.255.255.0	
192.168.2.53		255.255.255.0	

Buttons on the right side of the table: Refresh, Set IP.

Choose the right device, input user name and password, default is **admin**, as following:



The image shows a 'Connect to device' dialog box. It has a title bar with a close button. Inside, there are two main sections: 'Device' and 'Login'. The 'Device' section contains 'IP/Host' (192.168.0.233) and 'Port' (8001). The 'Login' section contains 'User' (admin) and 'Password' (masked with asterisks). At the bottom, there is a checked 'Save password' checkbox and two buttons: 'Connect' and 'Close'.

Click **【Connect】**, the right column will display the device address, choose “channel 1”, hold the left button, drag it to the need window, as following:


















3.2 The main interface function

3.2.1 Toolbar



Followed by login info, talk, sound, snap, record, color, setup, rotation, play.

- ◆  : Click to check device user number
- ◆   : Click for Talk off/on
- ◆   : Click for Sound off/on
- ◆  : Click for current channel snap
- ◆   : Click to start or off record. Click  for record path setting ,
Click  for record playback
- ◆  : Click for brightness/contrast/Saturation/color setting. Default 128 ,
range is 0-255
- ◆   : Click for current screen off/on
- ◆  : Click for screen rotation
- ◆  : Click for image quality/OSD/screen mask/MD setting

3.2.1.1 Image Quality

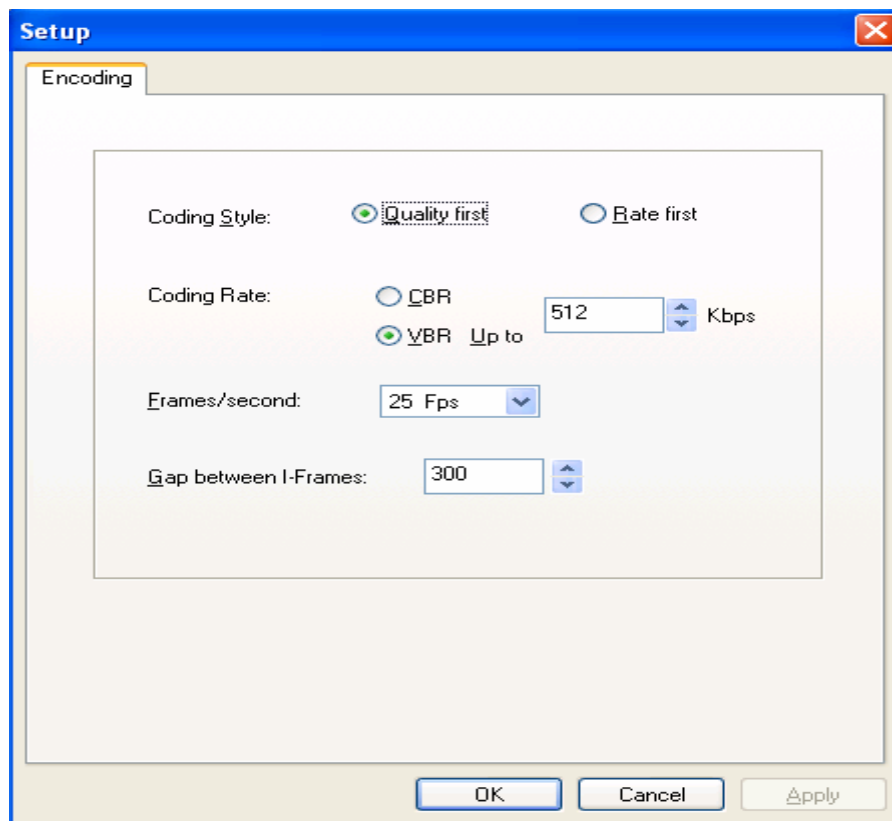
Allow setting frame mode, stream type, frame rate, I frame interval, see below:

【Coding Style】 Qualith priority or speed priority

【Coding Rate】 Fixed or dynamic. Fixed on suitable for fixed bandwidth. Dynamic suitable for record. Default dynamic stream, limits on 100Kbps.

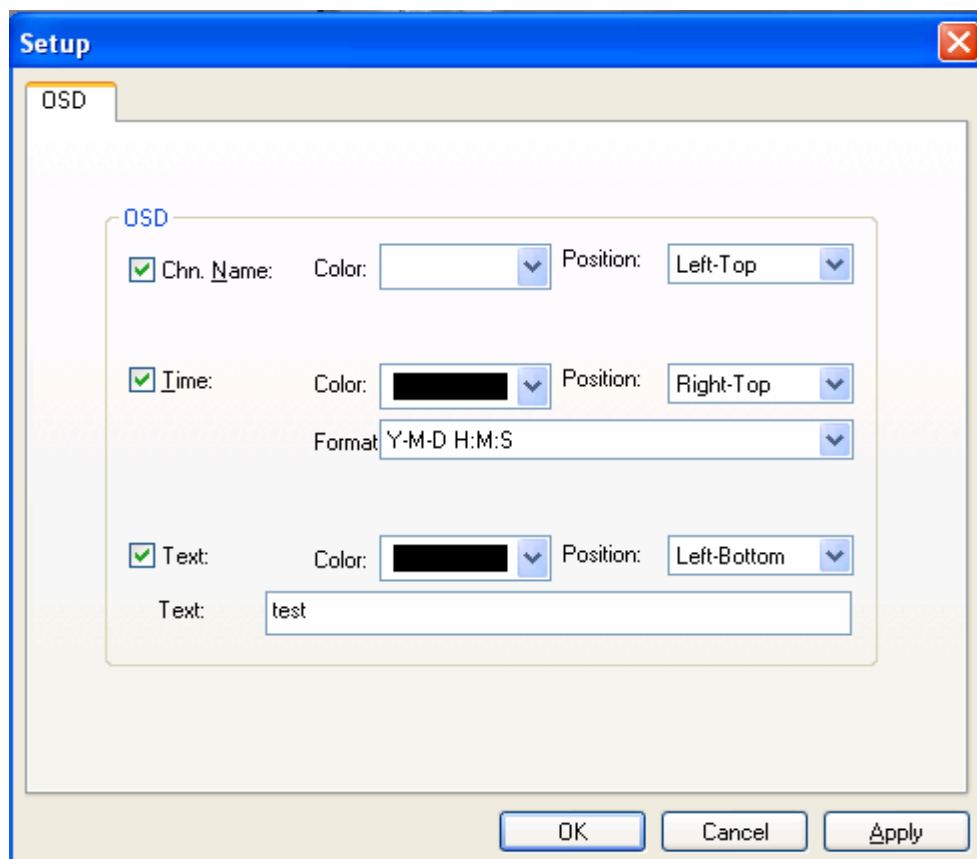
【Frame/second】 Range is 1 ~ 25 , default 10 Fps.

【Gap between I-frames】 One I frame in per 100 frame, default 300.



3.2.1.2 OSD

OSD is “on screen display”, mean the info accompany with the image. Allow setting channel info, time, text color and position.



3.2.1.3 Sheltered Area

Sheltered Area as needed. Hold **【ctrl】** to drag mouse choose the area, click **【clear】** to delete it.



The mask effect as below:



3.2.1.4 Motion Detection

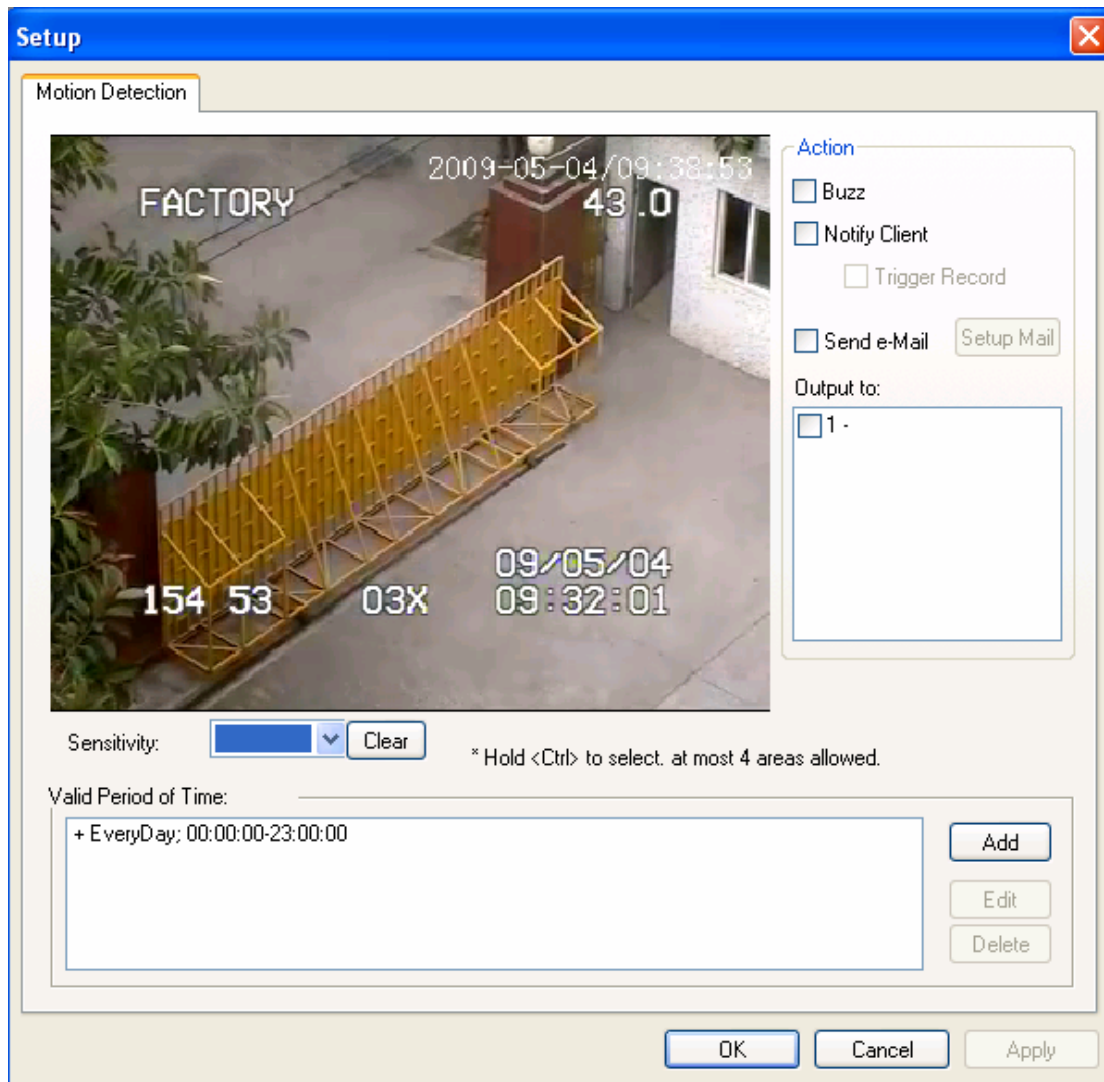
【Area setting】 Hold **【ctrl】** choose the area, max 4 zones allowed.

【Sensitivity】 Setting high for high sensitivity.













【Valid Period of Time】 Setting MD valid period and alarm valid period.


【Action】 Buzz, notify client, send e-mail.

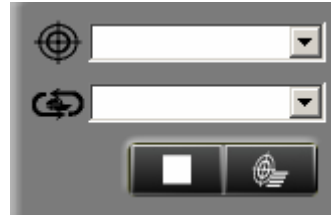
【Output to】 Choose the display channel.



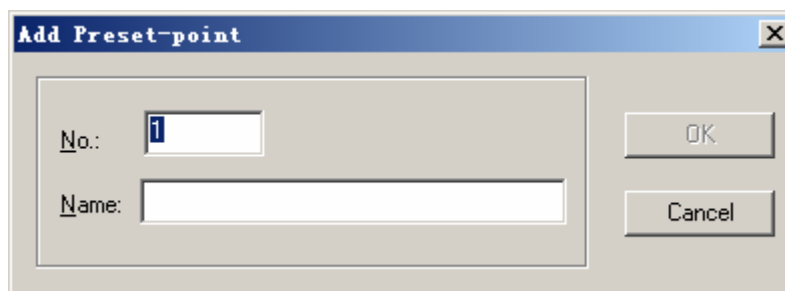
3.2.2 PTZ Control

- ◆ Click    adjust focus
- ◆ Click    adjust aperture
- ◆ Click    adjust lens
- ◆ Click up/down/left/right control pan&tilt or hold mouse left key adjust direction by drag the middle dot
- ◆ Preset  : choose preset from drop down list can control pt to the setting position.
Click the mouse right key then choose [【set current view as a preset point】](#) for preset .
- ◆ Cruise  : Click  setting the route or choose the already one by drop down list, click

 to stop the cruise.



Click the mouse right key then choose **【set current view as a preset point】**, pop following dialog:




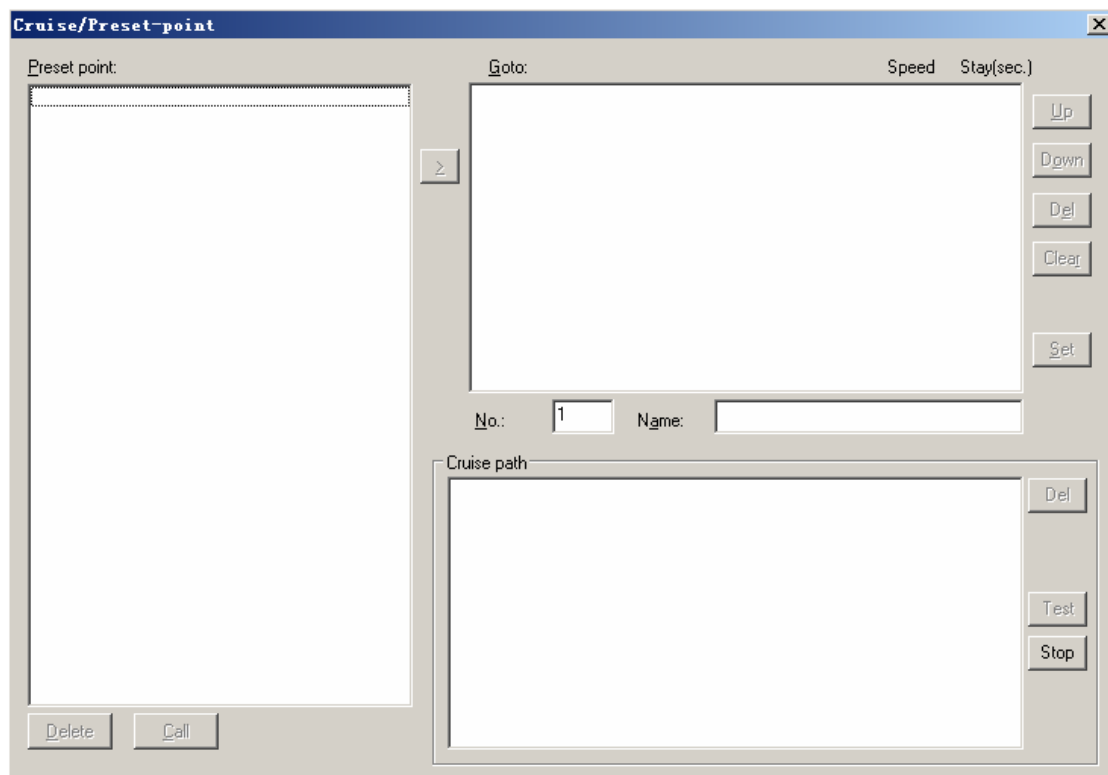
Add Preset-point

No.:

Name:

OK Cancel

Click , set your cruise route in the following dialog:



Cruise/Preset-point




Preset point:

Goto: Speed Stay(sec.)

No.: Name:



Cruise path:

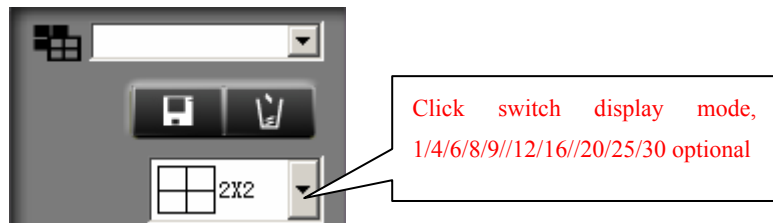
3.2.3 Device List

Display connected devices name, domain name, channel name ,etc. Click  to add device. Click  to pop device property dialog. Click  connect or disconnect device.



3.2.4 Interface Structure

Click following button can adjust your own display mode. Click  save or click  delete.



3.2.5 Other Function




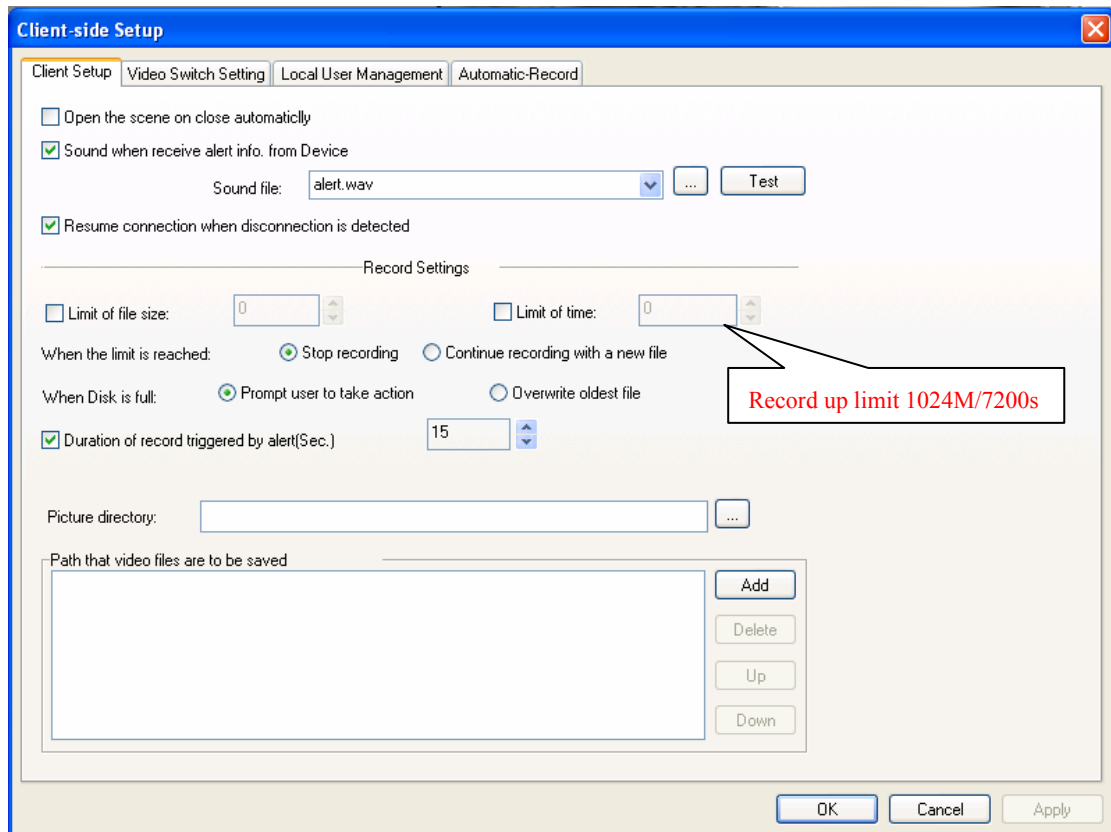
3.2.5.1 Screen Switch

Click  to start or stop screen switch ( mean the switch is in process).


3.2.5.2 Client_side Setup

◆ Client Setup

Click  to setup record path/alarm trigger record period/sound/last time scene. More than one path can be saved, the top one will be the default record path.




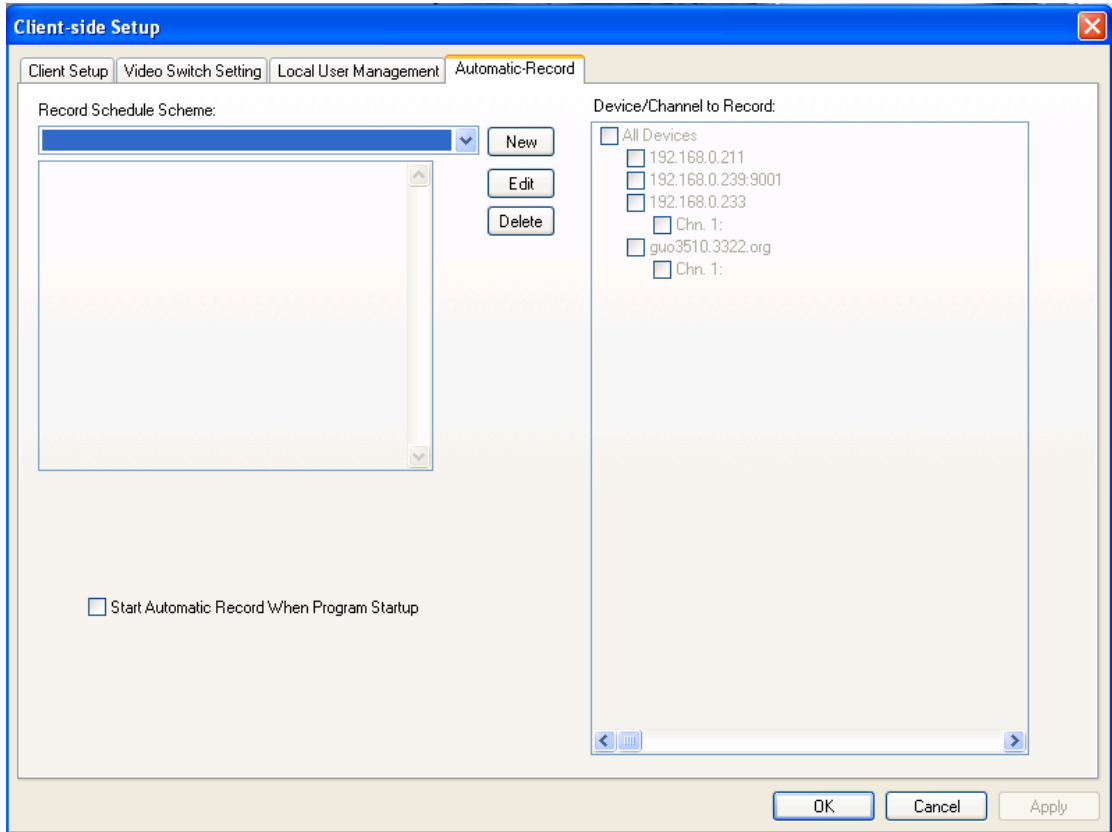
◆ Video Switch Setting

It will realize multi-device or different channels switch in one screen. Click **page** arrow to add/delete page, click **stay** arrow to add/delete standstill period, click  choose display mode, hold mouse left key drag the wanted channel to the right column or delete it by double click the channel name.


◆ Automatic_Record

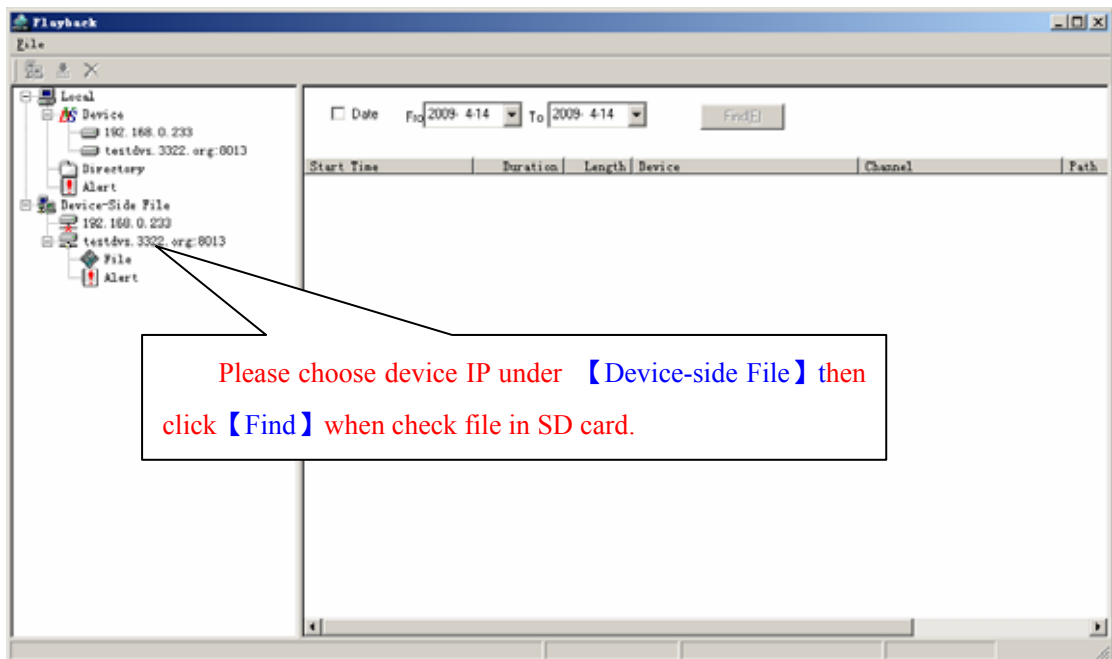
Allow time record channel/period setting, save path setting in [client setup](#). The interface

indicator  will blink after start this function.



3.2.5.3 Playback


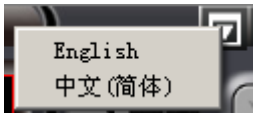
Click  pop following dialog, Search need file through catalog or event list. Double click to play the file.




Mark1:Event mean trigger MD or alarm, event record mean MD or alarm trigger record.

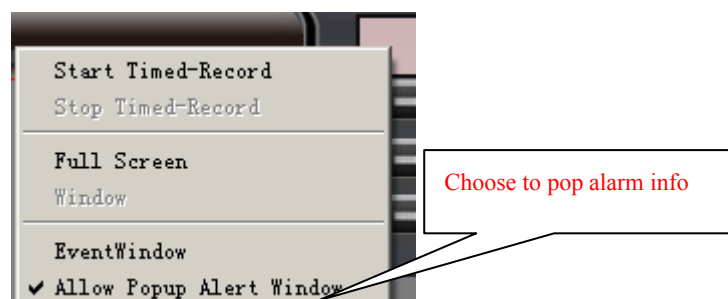
Mark2:Device port file mean file save in linked SD card.

3.2.5.4 Language Version


The software support Chinese and English, click  pop  to switch.

3.2.5.5 Full Screen

Click  change to full screen mode, all action will be locked under this mode, input administrator password when quit. Click the right button to pop :

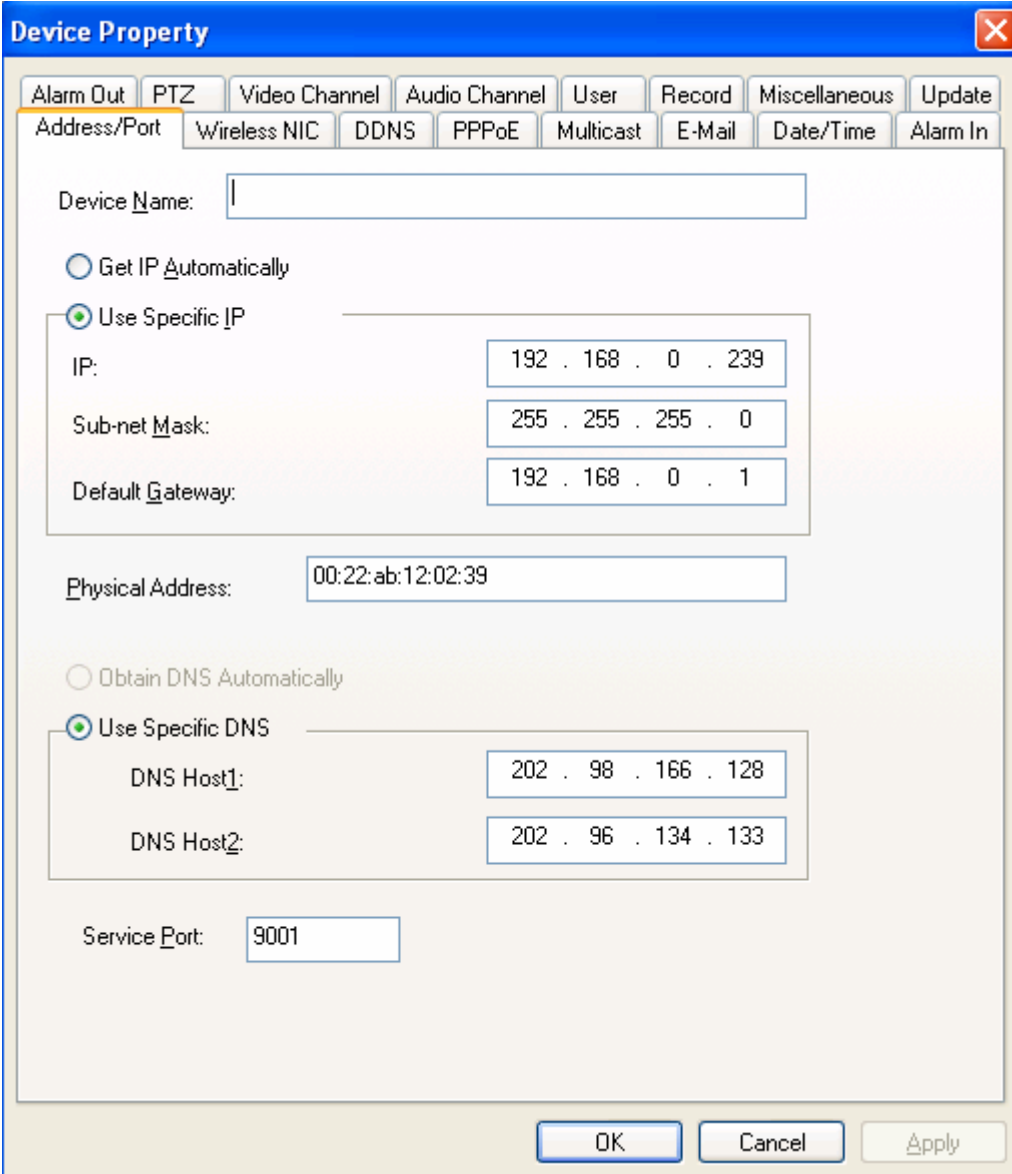


3.3 Device property

Click  or choose IP address in device list, click **【Property】** by right key to pop dialog, setup or adjust IP address、DDN、PPPoE、broadcast configuration、user management、update online,etc.

3.3.1 Address/Port

Default IP address:**192.168.0.233**, subnet mask:**255.255.255.0** , gateway:**192.168.0.1**, service port **8001**. After change, system will register you restart your device to valid the setup. Change service name not need restart.



The image shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog has a tabbed interface with the following tabs: Alarm Out, PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, Update, Address/Port (selected), Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, and Alarm In. The 'Address/Port' tab is active, showing the following fields and options:

- Device Name:** A text input field.
- IP Configuration:**
 - ☐ Get IP Automatically
 - ☒ Use Specific IP
 - IP:** 192 . 168 . 0 . 233
 - Sub-net Mask:** 255 . 255 . 255 . 0
 - Default Gateway:** 192 . 168 . 0 . 1

- Physical Address:** 00:22:ab:12:02:39
- DNS Configuration:**
- ☐ Obtain DNS Automatically
- ☒ Use Specific DNS
 - DNS Host1:** 202 . 98 . 166 . 128
 - DNS Host2:** 202 . 96 . 134 . 133
- Service Port:** 9001

At the bottom of the dialog are three buttons: OK, Cancel, and Apply.

Mark1: IP address will valid only after device restart.

Mark2: When link 2 or more devices, need change related IP address and physical address.

Mark3: Outer net visit need mapping the service port, refer router configuration part. DNS server needs change to current DNS IP address also.

3.3.2 DDNS

DDNS mean dynamic DNS, for unfixed IP domain name mapping. This client software support peanut shell, 3322 and our company DDNS service. Just apply your domain name in the proper network station(refer to Part3.2) then click **【OK】** in the pop dialog, the DDNS will valid.

【DDNS Service Provider】 now support www.oray.net and www.3322.org.

【User Name】 One account can apply different domain name, the provider request not same.

【Password】 The related password when you apply the domain name.

【Dynamic Domain Name】 According to domain integrated address.

The screenshot shows the 'Device Property' dialog box with the 'DDNS' tab selected. The configuration fields are as follows:

- DDNS Service Provider:** 3322[www.3322.org]
- User Name:** testdvs
- Password:** [masked with dots]
- DDNS Host/IP:** members.3322.org
- Service Port:** 80
- Dynamic Domain Name:** testdvs.3322.org

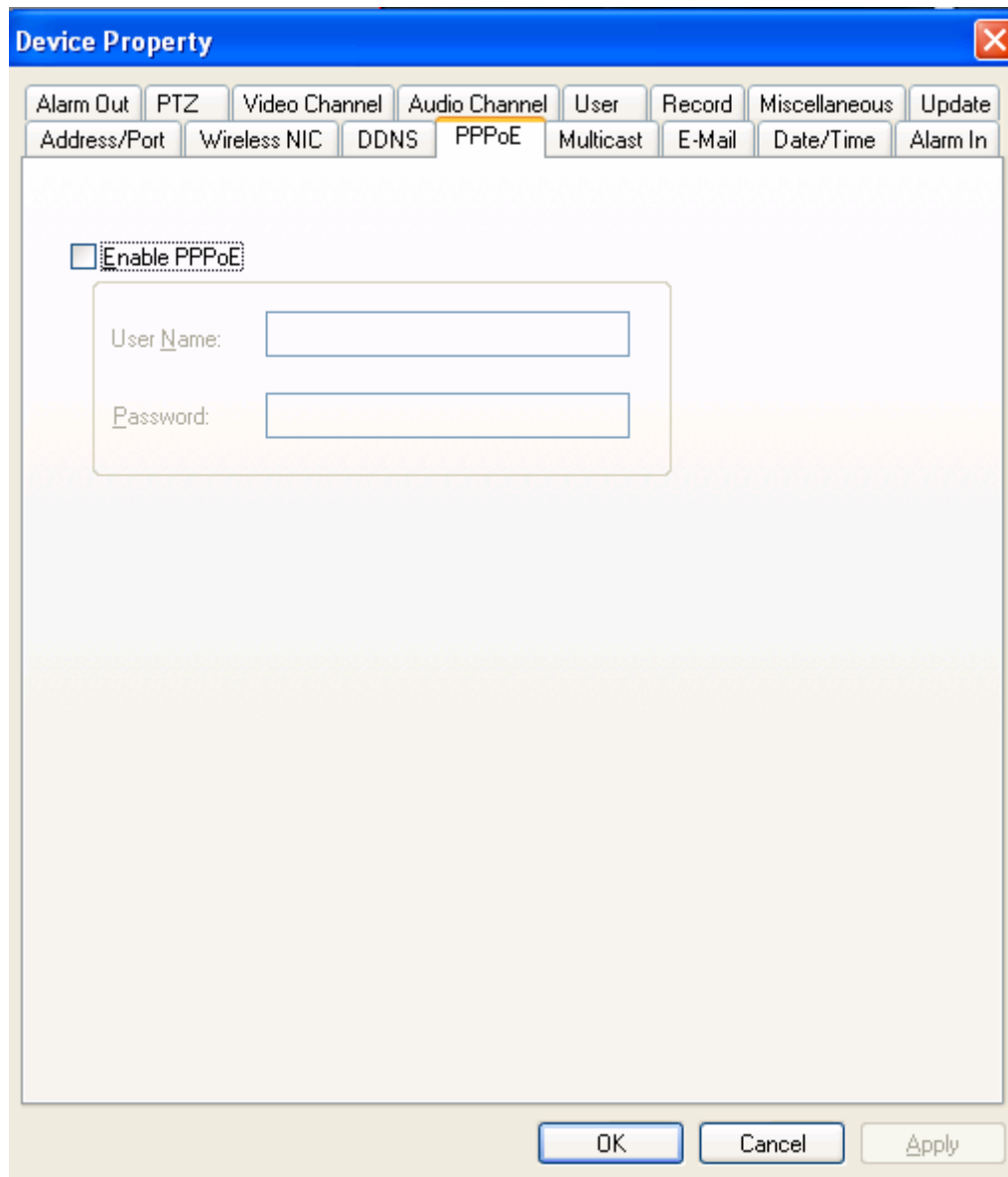
The **Status** section displays:

- Service Type: Standard
- Service Status: On line
- Domain Names: 218.18.184.22

At the bottom, the URL <http://www.3322.org> is shown. The dialog has 'OK', 'Cancel', and 'Apply' buttons at the bottom right.

3.3.3 PPPoE

The client software allow PPPoE . Link the device to phone line through modem, dial to internet. User can visit the monitor picture by internet from long distance. Choose PPPoE in following dialog then input user name and password then click **【OK】** .



The image shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog contains a grid of tabs. The 'PPPoE' tab is selected and highlighted with an orange border. Other tabs include 'Alarm Out', 'PTZ', 'Video Channel', 'Audio Channel', 'User', 'Record', 'Miscellaneous', 'Update', 'Address/Port', 'Wireless NIC', 'DDNS', 'Multicast', 'E-Mail', 'Date/Time', and 'Alarm In'. Below the tabs, there is a checkbox labeled 'Enable PPPoE'. Below this checkbox is a light gray rectangular box containing two text input fields: 'User Name:' and 'Password:'. At the bottom of the dialog, there are three buttons: 'OK', 'Cancel', and 'Apply'.

Alarm Out	PTZ	Video Channel	Audio Channel	User	Record	Miscellaneous	Update
Address/Port	Wireless NIC	DDNS	PPPoE	Multicast	E-Mail	Date/Time	Alarm In

☐ Enable PPPoE

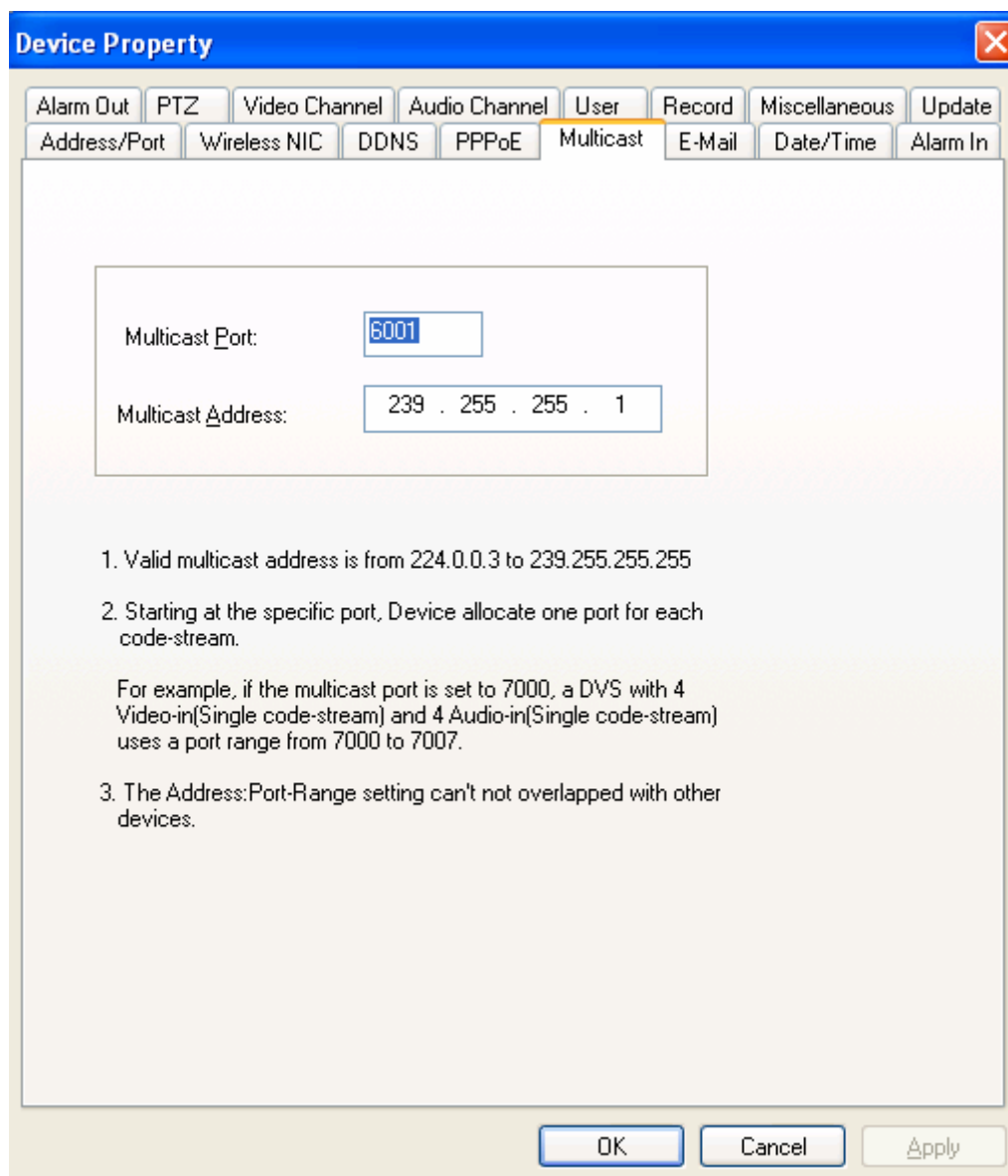
User Name:

Password:

OK Cancel Apply

3.3.4 Multicast

Use set device as needed to realize the multicast function.



The image shows a 'Device Property' dialog box with the 'Multicast' tab selected. The dialog has a blue title bar and a close button. Below the title bar is a row of tabs: Alarm Out, PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, Update, Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, and Alarm In. The 'Multicast' tab is highlighted. The main area of the dialog contains two input fields: 'Multicast Port' with the value '6001' and 'Multicast Address' with the value '239 . 255 . 255 . 1'. Below these fields is a list of three numbered instructions. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

Device Property

Alarm Out PTZ Video Channel Audio Channel User Record Miscellaneous Update
Address/Port Wireless NIC DDNS PPPoE Multicast E-Mail Date/Time Alarm In

Multicast Port: 6001

Multicast Address: 239 . 255 . 255 . 1

1. Valid multicast address is from 224.0.0.3 to 239.255.255.255
2. Starting at the specific port, Device allocate one port for each code-stream.

For example, if the multicast port is set to 7000, a DVS with 4 Video-in(Single code-stream) and 4 Audio-in(Single code-stream) uses a port range from 7000 to 7007.
3. The Address:Port-Range setting can't not overlapped with other devices.

OK Cancel Apply

3.3.5 E-Mail

When choose mail service, the device will send event report and picture to the appointed mailbox when alarm or MD triggered.

【SMTP Server】 Follow your mailbox hints for related setup.

【SMTP Port】 default 25.

【Sender ' s Account】 Need according to the SMTP service if your mailbox support.

【User Account】 auto catch account info.

【Password】 Account related password.

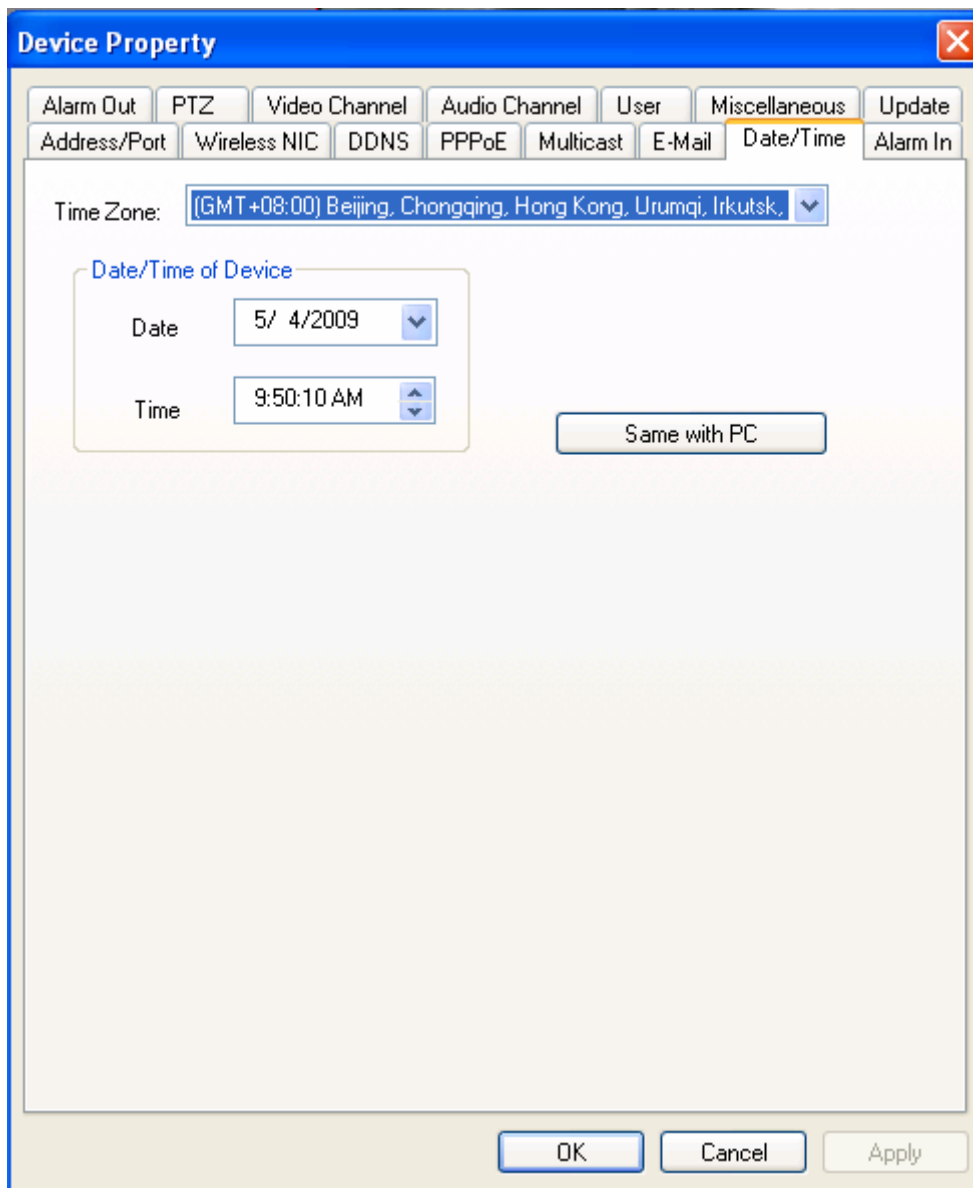
【Receiver ' s Account】 Any mailbox which can receive mail. Click 【Send A Test Mail】 after setup to confirm your action.

The screenshot shows the 'Device Property' window with the 'E-Mail' tab selected. The window has a blue title bar and a close button in the top right corner. Below the title bar is a row of tabs: Alarm Out, PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, and Update. Below these is another row of tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail (selected), Date/Time, and Alarm In. The main content area contains a checkbox labeled 'Enable SMTP Setting'. Below this is a group box containing several input fields: 'SMTP Server:', 'SMTP Port:' (with the value '25'), 'Sender's Account:', 'User Account:', 'Password:', and 'Receiver's Account:'. Below the group box is a button labeled 'Send A Test Mail'. At the bottom of the window are three buttons: 'OK', 'Cancel', and 'Apply'.

Mark: For outlook or foxmail user, need set the sender account to valid the function.

3.3.6 Date/Time

Adjust device date, time. Click **Same with PC** to synchronous with pc.



The image shows a 'Device Property' dialog box with the 'Date/Time' tab selected. The dialog has a blue title bar and a close button in the top right corner. Below the title bar is a row of tabs: Alarm Out, PTZ, Video Channel, Audio Channel, User, Miscellaneous, Update, Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, and Alarm In. The 'Date/Time' tab is highlighted. Inside the dialog, there is a 'Time Zone' dropdown menu showing '(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi, Irkutsk'. Below this is a section titled 'Date/Time of Device' which contains two dropdown menus: 'Date' showing '5/ 4/2009' and 'Time' showing '9:50:10 AM'. To the right of these dropdowns is a button labeled 'Same with PC'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

Device Property

Alarm Out PTZ Video Channel Audio Channel User Miscellaneous Update
Address/Port Wireless NIC DDNS PPPoE Multicast E-Mail **Date/Time** Alarm In

Time Zone: (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi, Irkutsk

Date/Time of Device

Date 5/ 4/2009
Time 9:50:10 AM

Same with PC

OK Cancel Apply

3.3.7 Alarm In

【channel】 Allow setup name for choosed channel.

【Actions take to response to alarm】 Sound alarm, notice client , send e-mail.

【Output to 】 Setup output channel.

【PTZ linkage】 Seperate, preset, cruise. Moniter channel must be appointed when choose preset or cruise mode.

【Valid period of time】 Setup alarm input time period. + mean valid period, - mean except the period.

Device Property

Alarm Out PTZ Video Channel Audio Channel User Record Miscellaneous Update
Address/Port Wireless NIC DDNS PPPoE Multicast E-Mail Date/Time Alarm In

Channel: 1 Name:

Actions take to response to alarm

☒ Buzz Output to: ☒ 1 -
☒ Notify Client
☒ Trigger Record
☐ Send e-Mail Setup

PTZ Linkage None
Watch Video Chn.1 - IP239
Preset-point/Cruise(P):

Valid period of time:
+ EveryDay: 00:00:00-23:00:00
Add Edit Delete

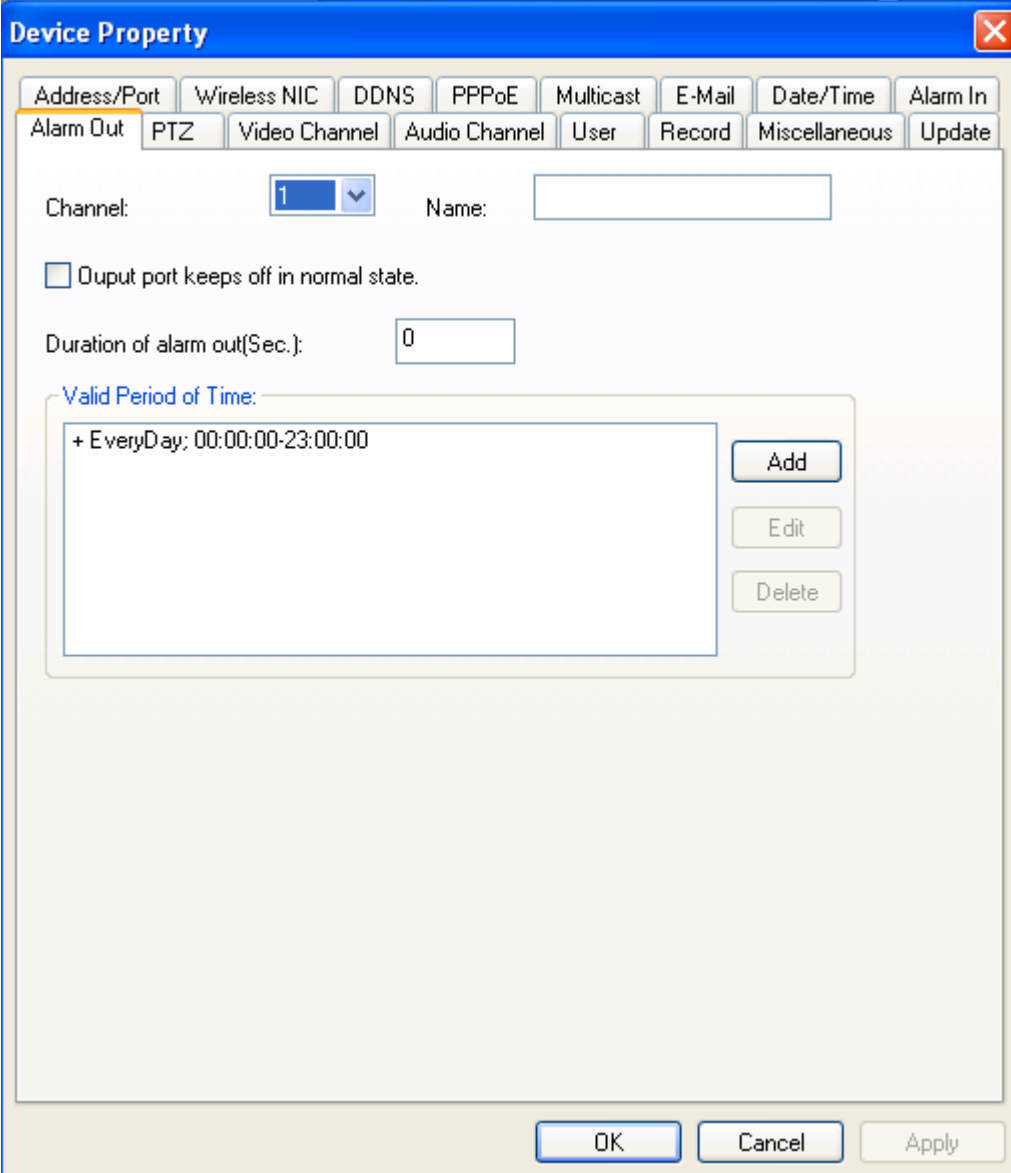
OK Cancel Apply

Mark: The record in SD card will lead the real record time add 0-20s base the setting.

3.3.8 Alarm Out

【channel】 Allow setup name for choosed channel

【Valid period of time】 Setup alarm output time period. + mean valid period, - mean except the period



The image shows a 'Device Property' dialog box with the 'Alarm Out' tab selected. The dialog has a blue title bar and a close button (X) in the top right corner. Below the title bar is a row of tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, Alarm In, Alarm Out (selected), PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, and Update. The 'Alarm Out' tab contains the following fields and controls:

- Channel:** A dropdown menu showing '1'.
- Name:** An empty text input field.
- ☐ Output port keeps off in normal state.
- Duration of alarm out(Sec.):** A text input field containing '0'.
- Valid Period of Time:** A section with a list box containing '+ Everyday: 00:00:00-23:00:00'. To the right of the list box are three buttons: 'Add', 'Edit', and 'Delete'.

At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

3.3.9 PTZ

【Video Channel】 choose video channel.

【Address】 Matching the PTZ address with protocol.

【Protocol】 Support Palco-D & Palco-P, default is Palco-D.

【Step Length】 Range 1~64, default 32. High speed will make the control hard , suggest under 32 for high speed dome.

【Comm Setting】 Set baud rate, data bit, stop bit, parity bit.

The image shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog has a tabbed interface with the following tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, Alarm In, Alarm Out, PTZ (selected), Video Channel, Audio Channel, User, Record, Miscellaneous, and Update. The PTZ tab is active, displaying the following settings:

- Video Channel:** A dropdown menu showing 'Chn. 1 - IP239'.
- Address:** A text box containing '1' with a range indicator '(1~128)' to its right.
- Protocol:** A dropdown menu showing 'Pelco-D'.
- Step Length:** A text box containing '32' with a range indicator '(1~64)' to its right.

Below these settings is a section titled 'Comm Setting' in blue text, which contains four dropdown menus arranged in a 2x2 grid:

- Baud Rate:** 2400 bps
- Data Bits:** 8 bits
- Stop Bits:** 1 bit
- Verify Bits:** 0 - None

At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

3.3.10 Video Channel

【Channel】 Choose the channel no.

【Name】 Setup channel name.

【Resolution】 QCIF / CIF / Half_D1 / D1.

【PAL/NTSC】 Choose PAL or NTSC.

The screenshot shows the 'Device Property' window with the 'Video Channel' tab selected. The window has a blue title bar and a close button in the top right corner. Below the title bar is a row of tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, Alarm In, Alarm Out, PTZ, Video Channel (selected), Audio Channel, User, Record, Miscellaneous, and Update. The main area contains the following settings:

- Channel: A dropdown menu with '1' selected.
- Name: A text box containing 'IP239'.
- Status: Two radio buttons, 'On' (selected) and 'Off'.
- Resolution: A dropdown menu with 'D1' selected.
- PAL/NTSC: A dropdown menu with 'PAL' selected.
- Accompanying Audio Chn.: A dropdown menu with '1' selected.

At the bottom of the window are three buttons: OK, Cancel, and Apply.

Mark1: Need restart device to valid new setup.

Mark2: 4 channel DVS only support channel 1 set as D1 format.

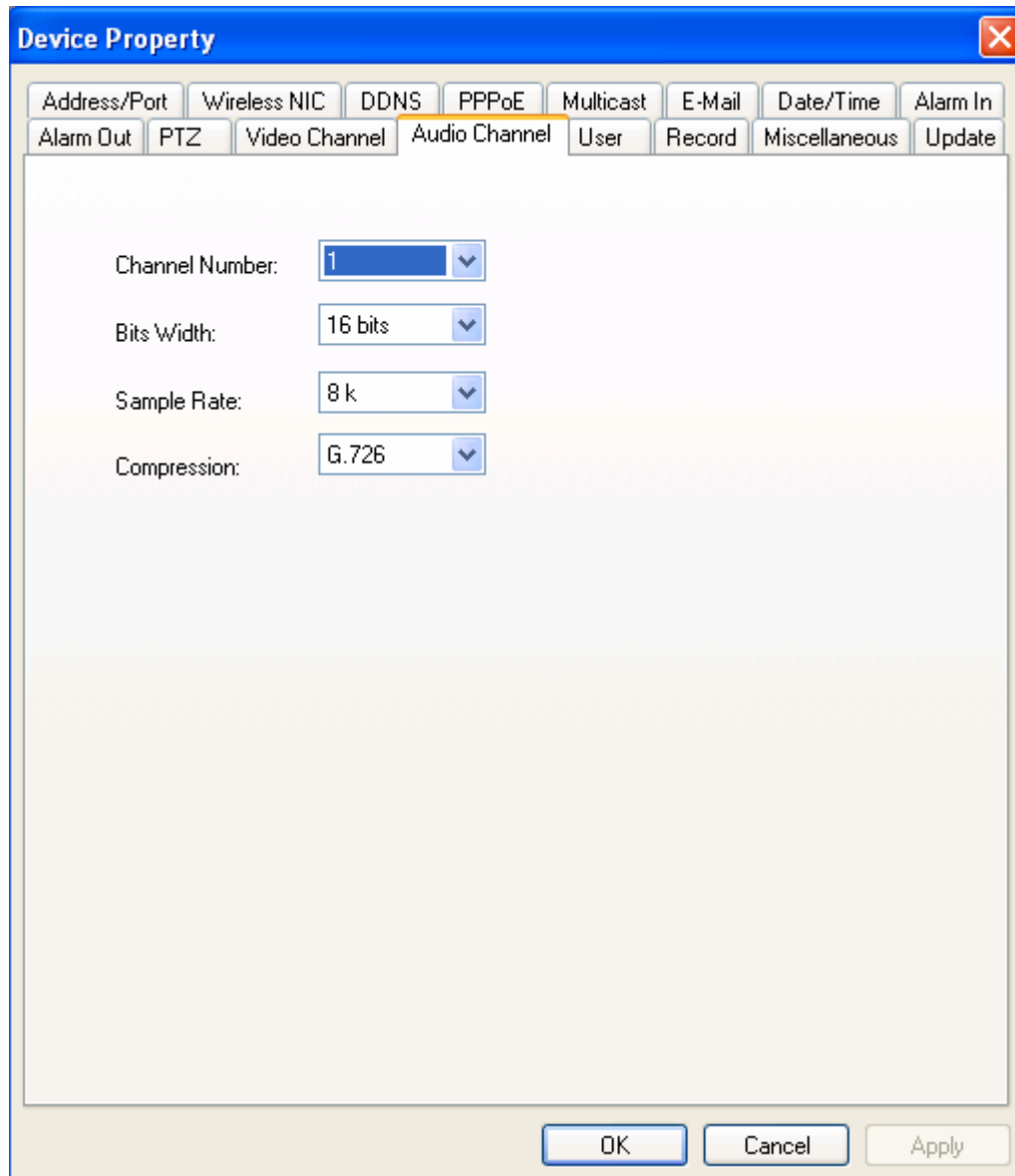
3.3.11 Audio Channel

【Channel Number】 Choose the channel no.



【Bits Width】 8bits / 16bits / 32bits optional.

【Sampling Rate】 The effect will better with frequency increase.

【Compression】 Choose different mode to compress audio steam(about 10 tims).



The screenshot shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. Below the title bar is a row of tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, Alarm In, Alarm Out, PTZ, Video Channel, Audio Channel (selected), User, Record, Miscellaneous, and Update. The 'Audio Channel' tab is active, displaying four settings, each with a label and a dropdown menu: 'Channel Number' set to '1', 'Bits Width' set to '16 bits', 'Sample Rate' set to '8 k', and 'Compression' set to 'G.726'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

Mark: Suggest keep the default setting in normal. Just click   open talk back function.

3.3.12 User

User management is use to add, delete or modify user name and password, and setup corresponding authority. User name can only be English character or number, Chinese is no supported, maximum length of user name or password is 10 characters.

User is separated into three classes:

Normal User: Admit to brown monitor image, no authority to setup device and manage user.

Power User: Admit to setup device, no authority to manage user

Administrator: Authorized to setup device and manage user. The default administrator id is **admin**, password is **admin**, the id is no allowed to delete.

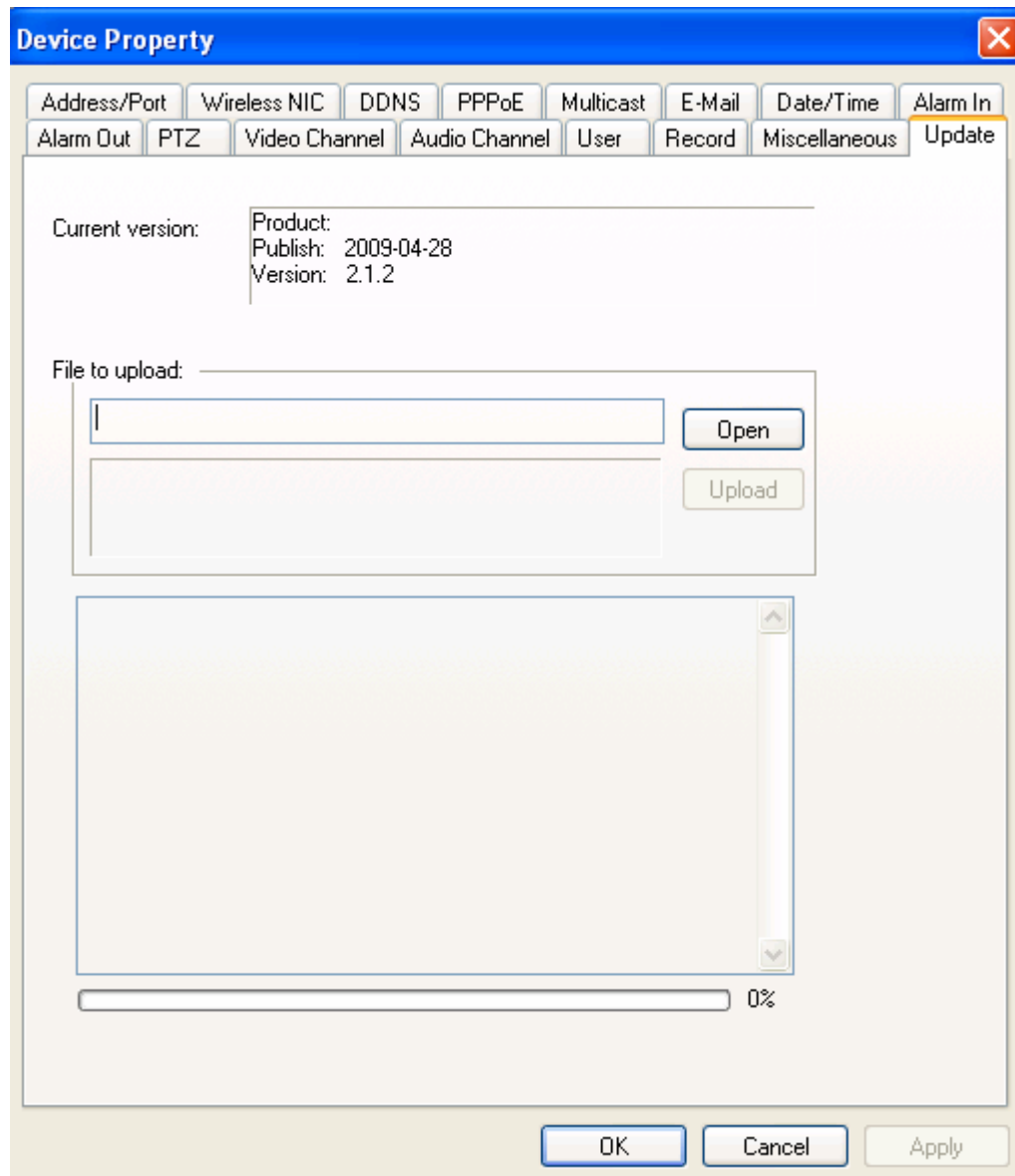
[illegible]

3.3.13 Update

User can update device local by client or long distance through IE. Device will auto restart after upgrade. User can check current version no. here.

【Current version】Display current version, not allow edit.

【File to upload】Click【Open】find the file then click【Upload】, the following dialog will show the progress. The device will auto restart after upgrade, not shut off during the process.



The image shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog has a tabbed interface with the following tabs: Address/Port, Wireless NIC, DDNS, PPPoE, Multicast, E-Mail, Date/Time, Alarm In, Alarm Out, PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, and Update. The 'Update' tab is currently selected and highlighted with an orange border. Inside the 'Update' tab, there is a section for 'Current version:' with a text area displaying 'Product:', 'Publish: 2009-04-28', and 'Version: 2.1.2'. Below this is a 'File to upload:' section with a text input field, an 'Open' button, and an 'Upload' button. At the bottom of the 'Update' tab is a large progress bar showing 0%. The dialog box has 'OK', 'Cancel', and 'Apply' buttons at the bottom right.

Mark: Online upgrade file DAT is pk2. Firmware program and client program can be upgrade integrated or separated.

3.3.14 Record

The record property will auto display when link to SD card. In other condition, please click **【IP】** **【Property】** **【Record】** to pop the dialog:

Device Property

Address/Port Wireless NIC DDNS PPPoE Multicast E-Mail Date/Time Alarm In
Alarm Out PTZ Video Channel Audio Channel User Record Miscellaneous Update

Limit of file size(MB, Not greanter than 256): 20
Limit of time(Second, Not greater than 7200): 60
Duration of record triggered by alert(Sec. 20~600): 20

Set file limit, 0 mean no limit

Timed Recording

Schedules: aa Add Edit Del

Time to record: + Everyday; 00:00:00-23:00:00+ Everyday; 14:40:00
Valid record period

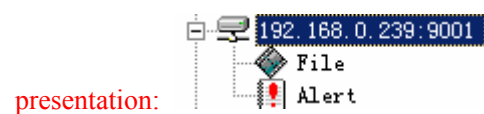
Recording Channels: ☒ 1 - IP239

OK Cancel Apply

Mark1: Please cut off device before plug SD card.

Mark2: Choose FAT32 type when format SD card.

Mark3: Click  choose **【Device-Side File】** to review record, see diagrammatic



3.3.15 Wireless NIC

Wireless network card property will auto display; in other condition click **【IP】** **【Property】** **【Record】** to pop the dialog:

The image shows a 'Device Property' dialog box with a blue title bar and a close button (X) in the top right corner. Below the title bar is a tabbed interface with the following tabs: Alarm Out, PTZ, Video Channel, Audio Channel, User, Record, Miscellaneous, Update, Address/Port, Wireless NIC (selected), DDNS, PPPoE, Multicast, E-Mail, Date/Time, and Alarm In. The 'Wireless NIC' tab is active, displaying the following configuration options:

- ☒ Enable Wireless NIC
- ESSID:
- Encryption: ☐ Disable ☒ WEP
- WEP Key:
- ☐ Get IP Automatically
- ☒ Use Specific IP
 - IP Address:
 - Sub-net Mask:
 - Default:
- Physical:

* Set the IP be same with the wired NIC if they have the same network ID.

At the bottom of the dialog are three buttons: OK, Cancel, and Apply.

3.3.16 Miscellaneous (UPnP function)

UPnP(Universal Plug and Play), the router will auto mapping TCP and UDP port.

The screenshot shows a 'Device Property' window with a blue title bar and a close button. The 'Miscellaneous' tab is selected. The window contains a checkbox labeled 'Enable UPnP to config NAT' which is checked. Below this is a text box labeled 'External port:' with the value '8013' entered. At the bottom of the window are 'OK', 'Cancel', and 'Apply' buttons.


Mark1: Router must support UPnP function

Mark2: Recommend external port between 1025-32767

4 Other

4.1 LAN and WAN configuration

◆ LAN automatically search

Run DVS Client, Click , the video server in the local LAN will appear in the device list. Only PC and video server in same network segment can connect.

If there are no device in the device list, make sure the following question:

If DVS is already powered?

If DVS and PC have been normal connected? If yes, the light will be long bright or flashing.

If PC has firewall working? If yes, should do it again after closing the firewall.

◆ WAN manually search

If users want to login in another subnet, the device can not automatically be searched. The video device should be manually added as the following steps:

Register DDNS services from a DDNS service provider. After applications a domain name will be assigned, and an account number and password will be obtained.

Click mouse right key in device list up item, choose **【Property】** **【DDNS】** set your domain info ,please see 3.3.2 for details.

When Internet IP is changed. The device will automatically tell DDNS server its new Internet IP.

Users only input domain in the network browser can run Client.

4.2 Application for DDNS

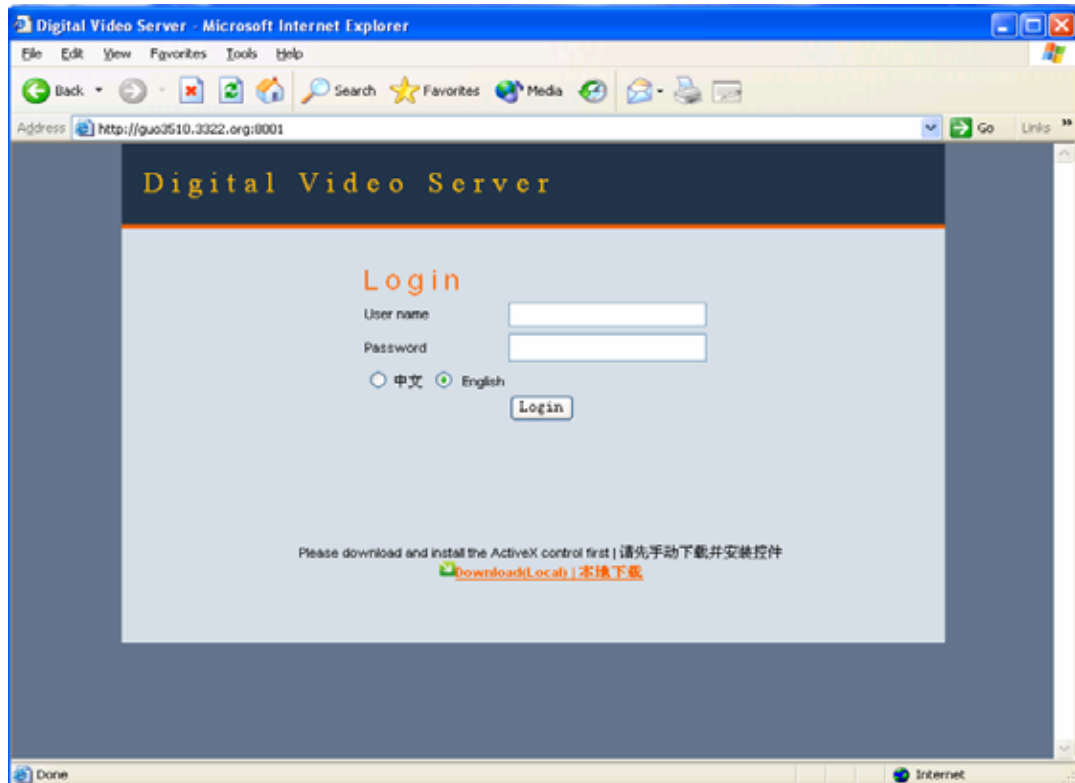
Normally users use dynamic IP address in the internet. User can use a static hostname instead of a dynamic IP address to monitor Lan device image. In this way, user should register a domain name and obtain a password. The device supports www.3322.org and www.dyndns.org , users can login it and register the domain, after doing it, set your domain info as 3.3.2 for details.

4.3 Router configuration

Routers must be set to enable a PC TCP connecting to the device. Routers use port number to decide which device request is allowed, this function is port transmitting or virtual services.

Appendix A IE mode

When first visit device through IE, user need add **http://** by manual to pop the following dialog:



Click [Download\(Local\) | 本地下载](#) download the client and control , then install it.

Then input user name and password (default is **admin**) can get monitor page, see below:

