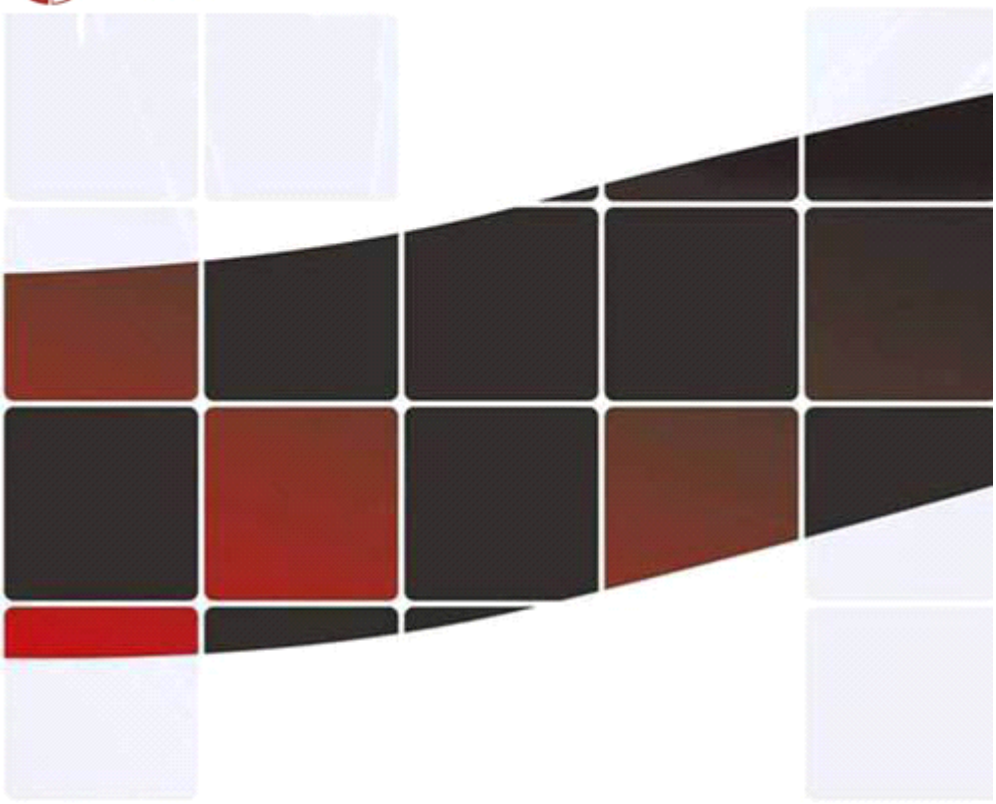
EasyN®



F2 series IP Camera user Manuel

MF2E-E-B2

FORWORD

This series product is integrated webcam focusing on network video monitoring, including wired box IP camera, wireless box IP camera, wired IR dome camera, wired waterproof IR IP camera, etc. The media processor of camera uses high-ability chip to realize audio/video capture, compression and transmission, the standard Motion-JPEG coding algorithm can confirm the clear and smooth effect of video transmission. The camera supports user remote-real-time monitoring through super client software, system client platform and IE browser, etc.

This series IP camera can be used for remote monitoring locations, such as enterprises, chain stores, factories and homes, etc. It is simple pick-up and easy operation.

Please confirm the items to be complete, if there is lost, please contact seller timely.

ITEMS LIST:

IP camera ---------- 1piece
Bracket (referring to model) ---------- 1piece
Power adapter ---------- 1piece
Certificate---------- 1piece
CD ---------- 1piece
Warranty card---------- 1piece

Instruction:

IP Camera referred is network camera; PC is personal computer; single click means mouse left click; double click means mouse twice left click.

For IP Camera factory settings:

Administrator user: admin; password: no password
LAN IP address: 192.168.1.126; http port: 81

Statement:

The current device may have different version with the sample in this manual, if u can not set up device referring to this manual, please contact provider.

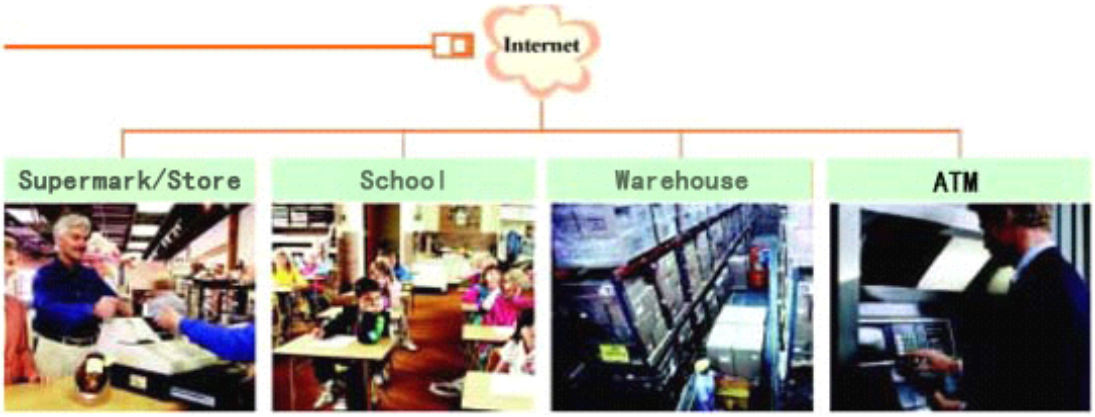
The content will update from time to time, the manufacturer reserves the right without notice.

1. PRODUCT OVERVIEW

IP Camera integrates network function and web service function, it can send video record to anywhere through internet, and we can view real-time video of site via web browser. And it is suitable for many locations, such as large stores, schools, factories and homes, etc.

IPCAM basic function of remote video data transmission is basis on MJPEG hardware compressive technology, the maximum speed of high-quality image transmission in LAN/WAN can reach 25fps.

IPCAM video data transmission is based on TCP/IP protocol, and it has built-in Web server to support Internet Explorer, hence, it is more convenient to manage and maintain device, to remote configure some options, to update versions.



	Please check the product if the items are complete before set-up, if there is some lost, please contact seller.

2. PRODUCT FEATURE

- powerful high-speed processor of video protocol
- high sensitivity and definition CMOS sensor
- 0.3 megapixels
- IR night version
- Optimized Motion-JPEG video compression algorithms to achieve narrow bandwidth high-definition image transmission
- multilevel users and password management
- support many browsers (IE browser, Firefox browser, Google browser, etc.)
- support wireless network(Wi-Fi/802.11/b/g)
- support dynamic DNS (DDNS)
- support maximum 32G SD card storage, for alarm snapshot and record
- support motion detection
- support two-way audio monitoring
- support snapshot
- support mobile phone view
- support log
- support multiprotocol :HTTP/TCP/IP/UDP/STMP/DDNS/SNTP/DHCP/FTP

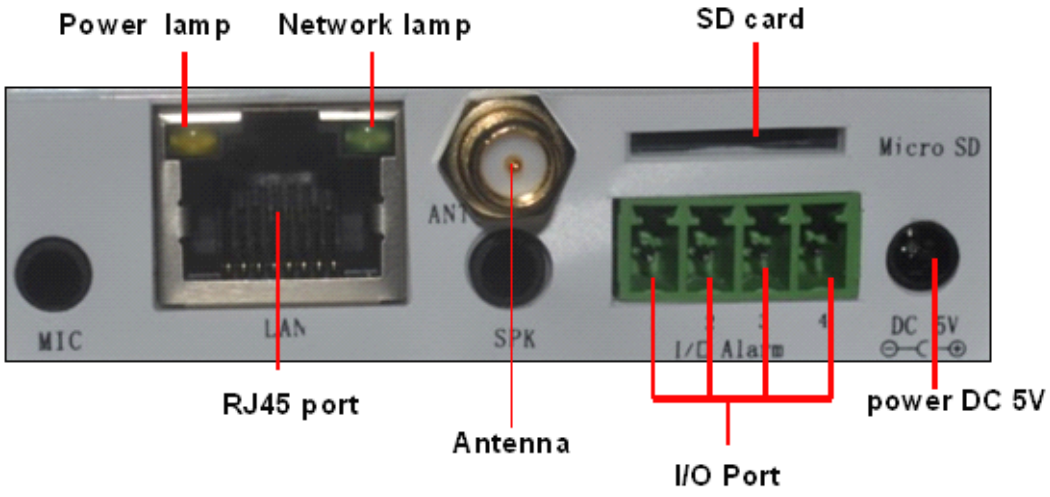
System feature	System security	Three levels account, password, multi-authority management
	Own dynamic IP domain name system (free)	Built-in independent R&D DDNS system, lifetime free proprietary ddns, no need to apply DynDns, no worry about frequent offline problem, quickly connection. For example, http://demo.easyn.hk, the serial number is "demo"
	Mobile phone platform(free)	No need to install software, support IE multi-view, management, phone message on alarm, alarm picture storage functions.
	Superiority	Support computer monitoring, support many smart phone in market, such as Iphone, android, Symbian, etc.
	Mobile phone view	Support Iphone、Windows Mobile、Symbian、Android direct view.
	Local storage	Support maximum 32G SD card memory
Kernel	OS	Embedded Linux OS
	Micro processor	32Bit RSIC Embedded Processor
Video	Compression	Motion-JPEG-N
	Signal system	CMOS 0.3 megapixels
	Frame rate	25fps
	Resolution	VGA(640*480),QVGA(320*240) QQVGA (160*120)
	Image adjustment	Brightness, contrast, can be adjusted
	White balance, BLC	Auto white balance and BLC
Network	Interface	RJ-45 10/100Mb auto-adjusted internet interface
	Protocol	Support TCP/IP, HTTP, ICMP, DHCP, FTP, SMTP, PPPoE, etc
	Wi-Fi	WIFI, 802.11 b/g/n
	Online user	Support 15 users direct connection
	Support IP	Static IP, dynamic IP, PPPOE
Alarm	Input/output	1/1
	Alarm detection	Motion detection, sensitivity configuration
	Alarm notice	Support to upload pictures via Email, FTP and call preset position, and control by GPIO signal, etc.
Certificate	Certification	ISO FCC CE SASO RoHS

3. DEVICE APPEARANCE AND INTERFACE

3.1. DEVICE APPEARANCE

Picture 1- device appearance

3.2. DEVICE INTERFACE



Picture 2- device interface

Power: connect to external power adapter, standard: DC 5V/2A

RJ 45: network interface standard: 10/100M auto-adjusted internet interface, it can connect many kinds of devices, such as hub, router, and switch, etc.

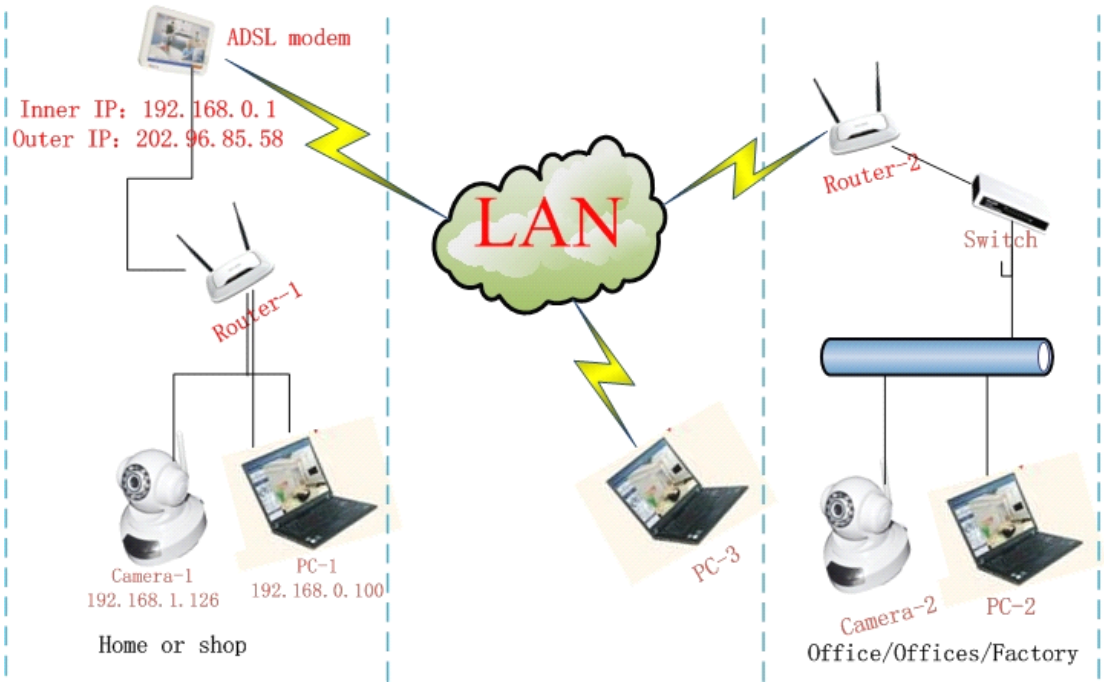
Network lens: lens flickers when network connecting

Power lens: lens on when power on

SD card: support 32G SD memory card

I/O interface: 1 channel alarm input, connect 3 and 4 interfaces (ground, trigger by low electric level); TTL to control output, connect 1 and 2 interfaces (1, 2 short connection).

4. NETWORK CONNECTION



Picture 3- network connection scheme

4.1. CONNECTION INSTRUCTION

Before access IP Camera, first to confirm the network connection and the power supply, to check if the status lens normal. For connection as picture 3:

1) camera-1 and camera-2 is connected to two different LANs
2) the two LANs must connect to internet and have routers connecting through ADSL or optical fiber, etc.
3) computer-3 should be a device connecting to internet

4.2. ACCESS INSTRUCTION

For accessing camera, in addition to communication links remain open, it also requires a simple settings for camera and network:

1) **computer and camera are in the same LAN**

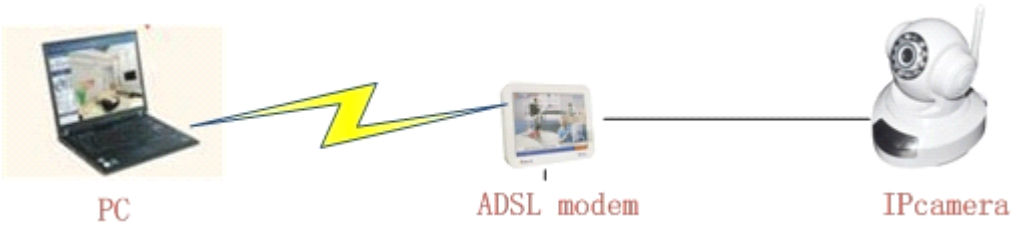
For access IP Camera via LAN, it should be confirmed that the computer and camera in the same subnet, if they are not, then need to configure

the IP Camera, for example: in picture 5 camera-1' s IP is 192.168.1.126 (located in subnet 192.168.1), PC-1' s IP is 192.168.0.100 (located in 192.168.0), on this case, PC-1 can not access IP Camera-1, after changing IP Camera-1' s IP into 192.168.0.126, it can access;

2) **computer and camera are in different LANs, but both of them can access internet.**

For camera-1 and computer-2 in picture 3, to access camera-1 through computer-2, then need to set step 1) first to confirm computer-1 can access camera-1, then configure router-1 (router-1 should support port forwarding) , then computer-2 can apply to access camera-1 via router-1. Normally, computer-2 only can send message to router-1, so it can not access camera-1 without configuration of router-1.

4.3. CONNECT NETWORK VIA ADSL



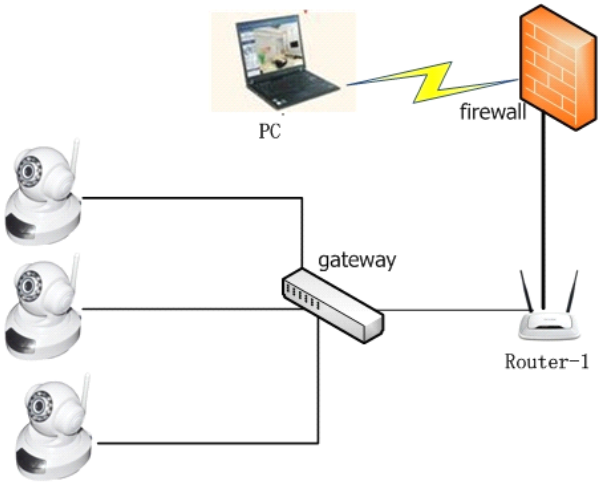
PPPoE&3G Settings

Configuration	
Enable PPPoE:	Yes ○ NO ◉
User Name	
Password	
MTU(128~1492)	1412
Connection State:	Disable
Save Refresh	
Status	
IP Address	192.168.2.126
Primary DNS server:	202.96.128.86
Secondary DNS server:	admin
Refresh	
3G	
IP Address	connect

- Connect device to computer via cable.
- Configure device basic settings through IP Camera tool (details refer to: 5.1 IPcamera tool).
- Login device as administrator, access PPPOE setting page to input account user and password.

- Meanwhile to enable DDNS server function then click **<set>** to restart device.(details refer to: 5.6 ddns settings)
- Connect device to internet via ADSL, then it can be accessed via ddns through WAN.

4.4. CONNECT NETWORK VIA ROUTER



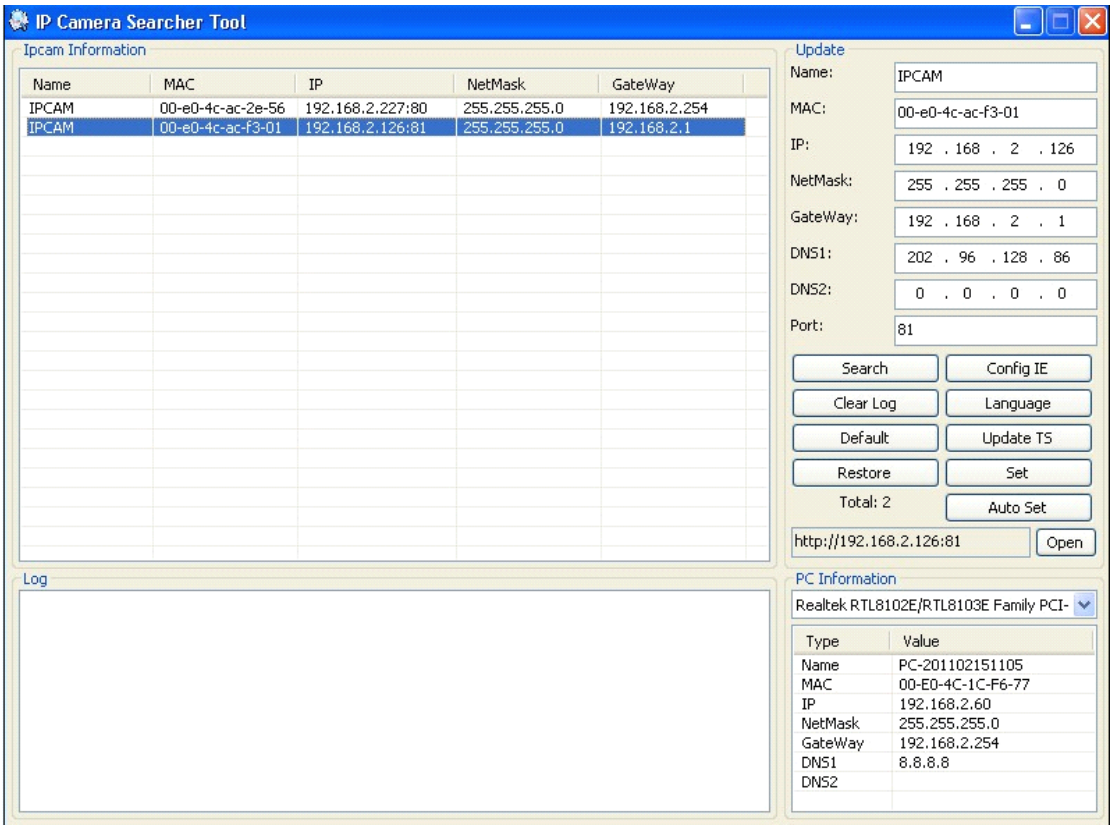
1) Connect device to LAN through cable
2) Configure device through IPcam tool. (Details refer to: 5.1 IPcamera tool)
3) Access device as administrator.
4) Access ddns setting page to enable DDNS service then click **<set>** to restart device. (Details refer to: 5.6 ddns settings)
5) Then it can be accessed through internet.

5. SOFTWARE OPERATION

5.1. IPcamera TOOL

In picture 3, camera-1's IP is not in the same subnet with computer-1, it can not be accessed, to run Devfind.exe 

in CD, click search button then click-on searched IP Camera, then we can configure the settings, interface as picture 4.



Picture 4- LAN configuration interface

Notice: device factory set IP: 192.168.1.126, port 81

Detail configuration:

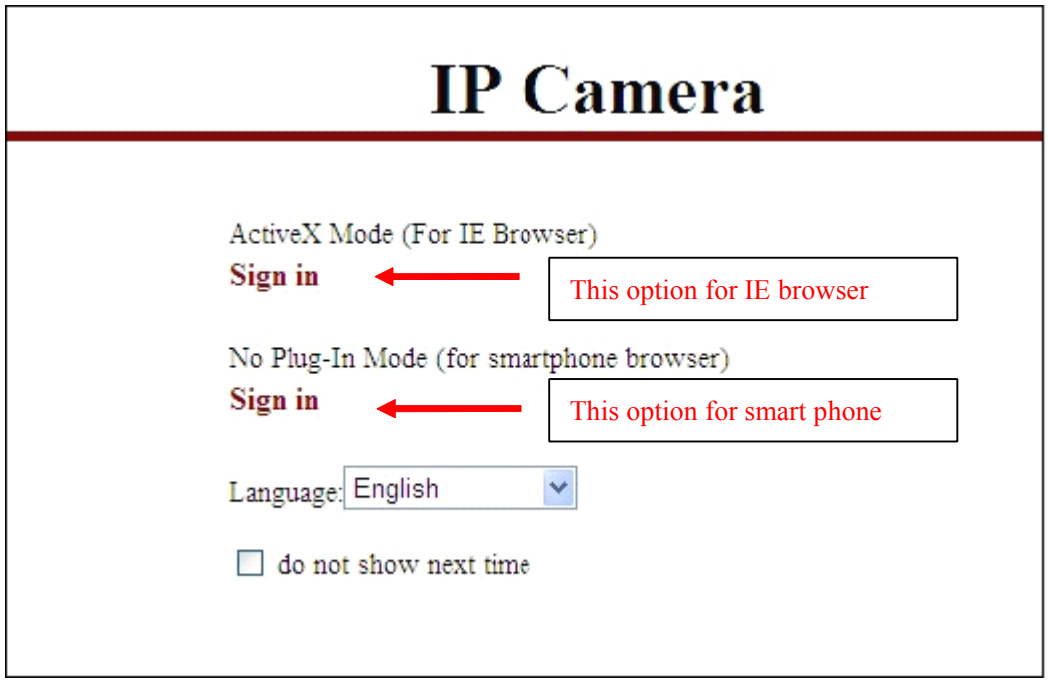
- Please carefully check current computer information on right down side of interface, it lists information about computer-1's IP configuration, if there are more network adapters in computer, please select the right network that camera-1 working on.
- IP address: configure IP address, it must confirm to be the same subnet within PC.
- Mask: default mask: 255.255.255.0
- Gateway: confirm the PC within the same gateway
- DNS: DNS provider's IP address
- Port: device provides HTTP service port, default is 81
- User and password: default administrator account user: admin, no password

5.2. LOGIN IP CAMERA

We can directly access IPCAM through **IP Camera Search Tool** or **IE**.

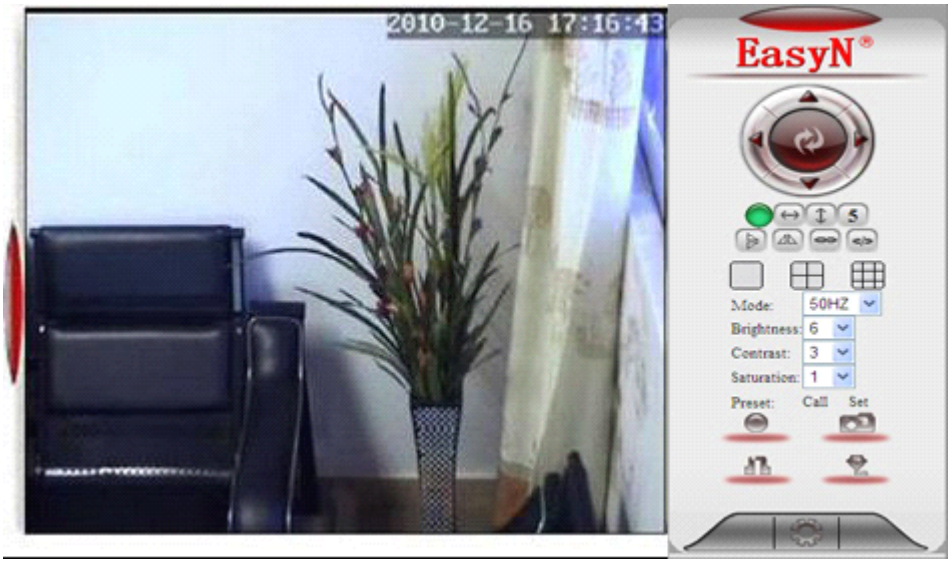
1) Double click option IE in device list to open login page

2) Directly access via IE by inputting address on address blank of IE browser. As below:

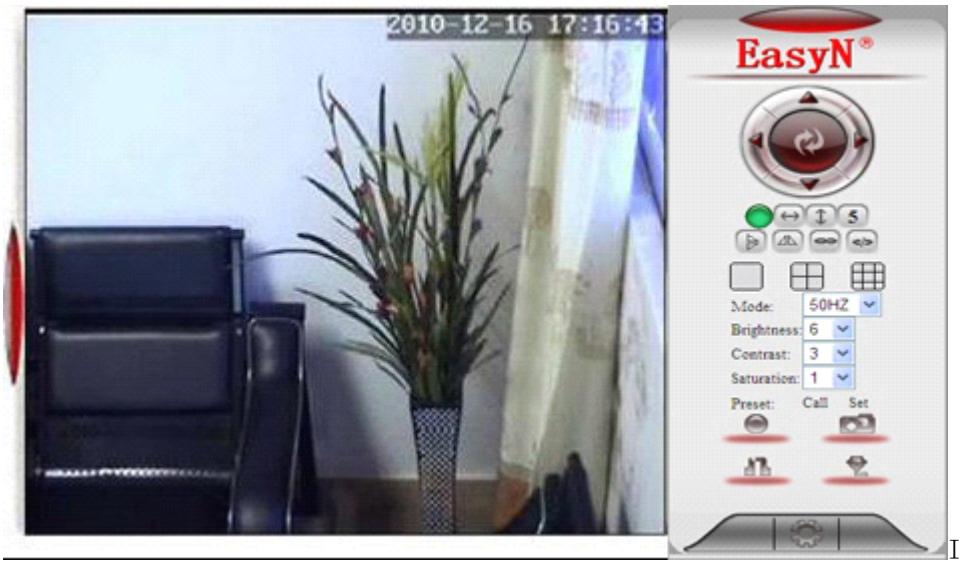


Picture 5 login interface

After installation, we can access video view page, as picture 7:



5.3. USER OPERATION

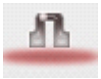


If the pilot is  , it means the device is connecting network

Click  to 4-picture view; click  to 9-picture view

Record: click  to manually record

Snapshot: click  to snapshoot picture

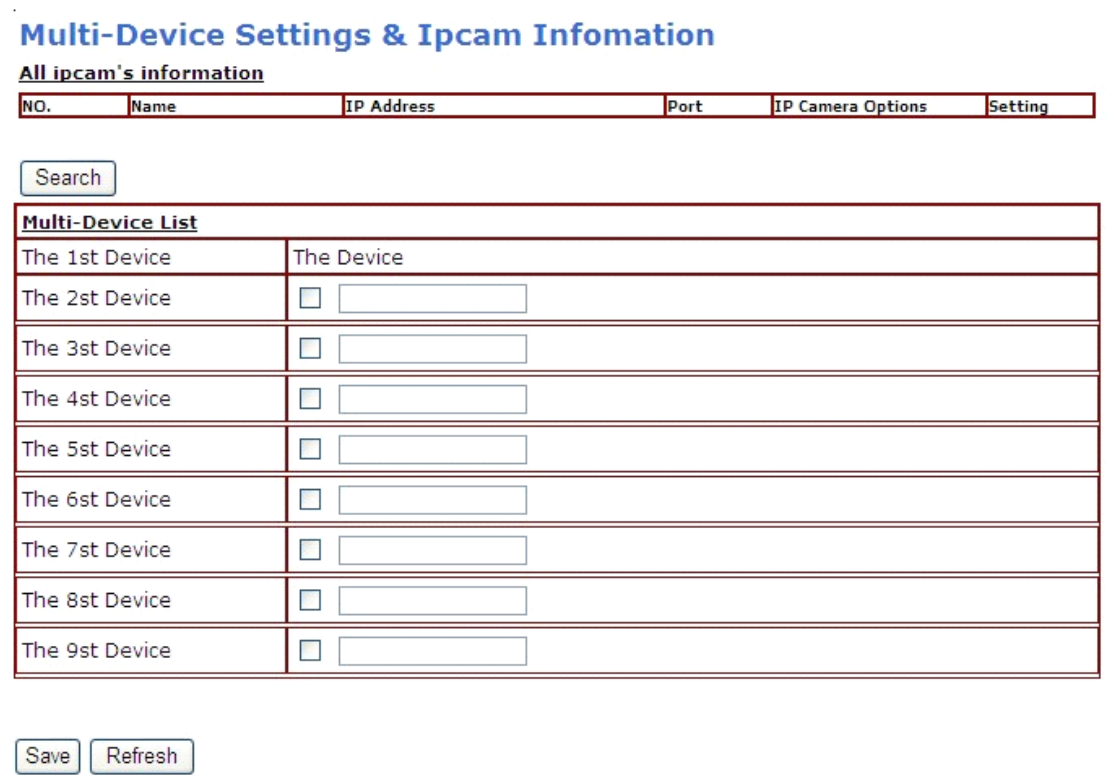
Listen: click  , it should turn  , then speak to camera, the sound can be heard from computer terminal, click again to close listen function

Talk: click  , it turns  , talk to camera (through headset connecting computer), then we can hear the talking around camera. Click again to close talk function.

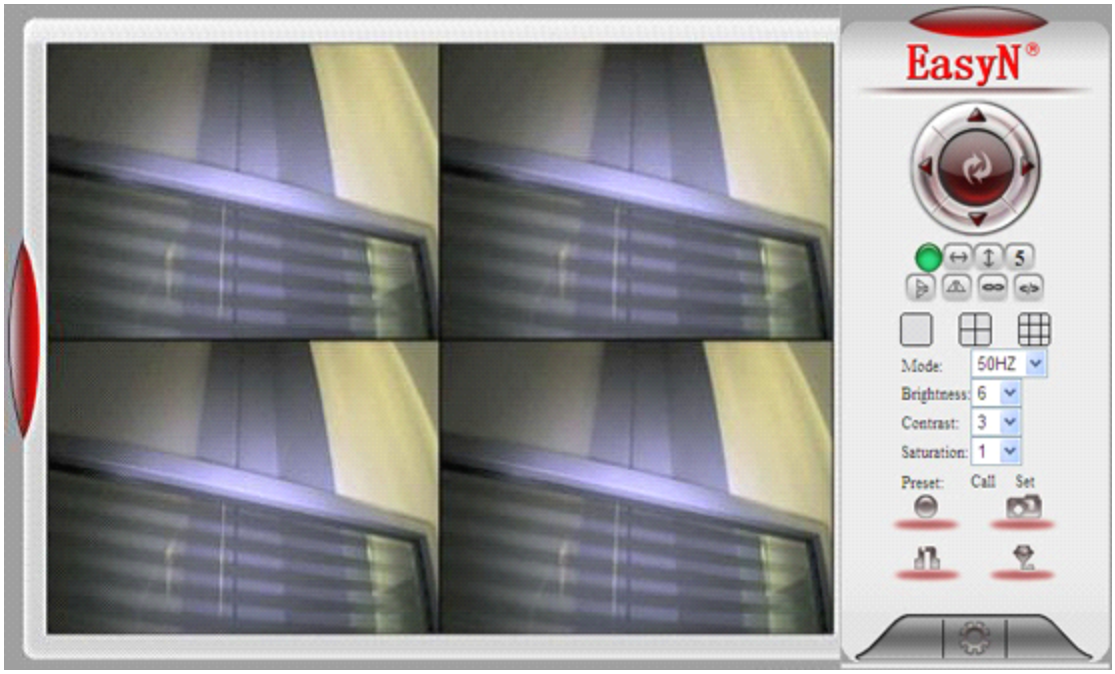
5.4. MULTIDEVICE CONFIGURATION

On multi-device configuration page, we can see all devices in the LAN. The first device is default device. We can add more devices listing in the device list. It can support 9 pieces of devices on line at the same time for embedded system. Click "the second channel device" then double click on device option, name, host address and Http port of "current LAN devices list", the information will be auto wrote in, then correctly input access user name and password then click "add". Repeat that to add more devices.

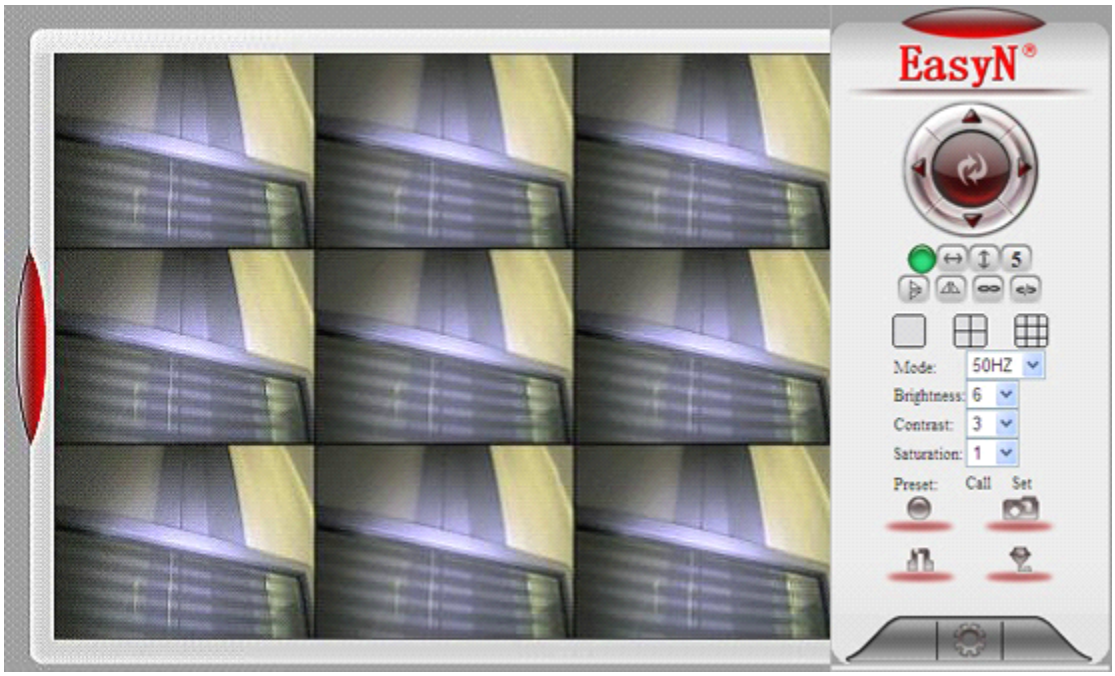
Notice: do not forget to click save for configuration



Picture 7- multi-view configuration



Picture 8- 4-picutre



Picture 9- 9-picture

5.5. NETWORK CONFIGURATION

❖ BASIC NETWORK CONFIGURATION

IP address configuration: manually modify IP, mask, gateway, DNS, etc.

Http port: normally, the default port is 81. If the internet provider block the port, we can set others(range: from 0 to 65535), such as 8080, 85, 8888, etc.

Networking	
IP Address Configuration	
◉ Use the following IP address:	
IP Address	192.168.2.126
Subnet mask:	255.255.255.0
Default router:	192.168.2.1
DNS Configuration	
Primary DNS server:	202.96.128.86
Secondary DNS server:	admin
HTTP	
HTTP port:	81
Smartphone RTSP Setting	
RTP port:	6970
RTCP port:	554

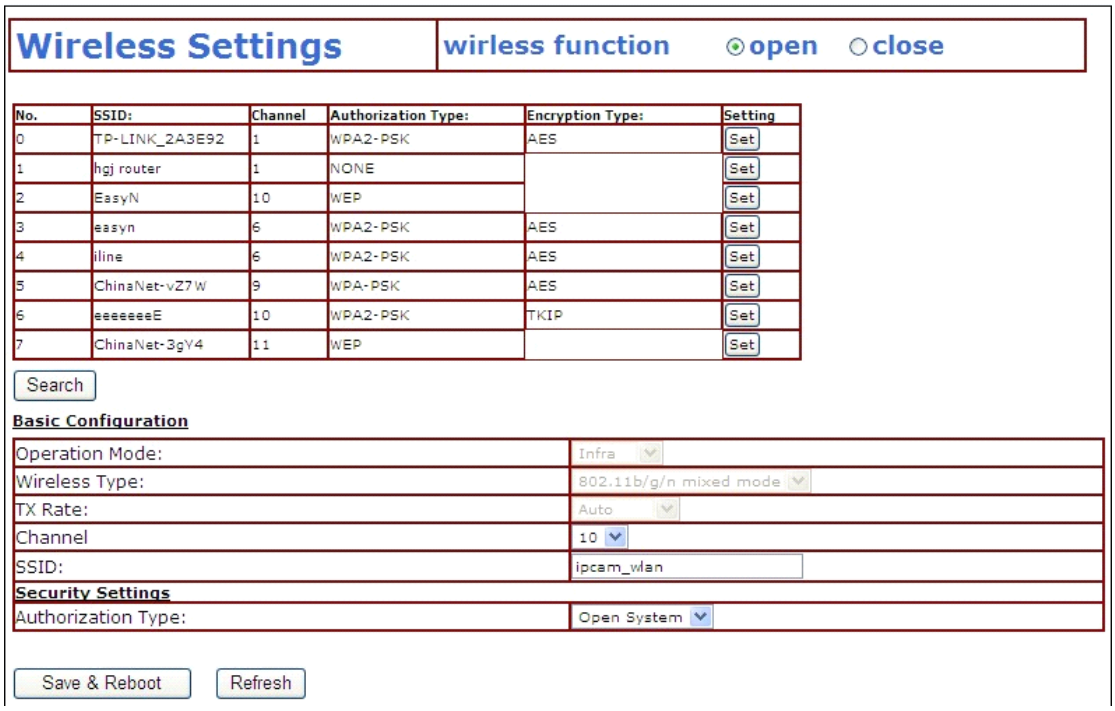
Save Refresh

Picture 10- network configuration

❖ WIFI CONFIGURATION

To enable WIFI configuration referring to picture 11, click "Search" button, then will pop up a page of searched wireless network, select the right wireless network, then all parameter of the wireless network will auto write into the parameter blanks such as shown in picture 11 (such as SSID, encryption, etc.), then input password and check it is ok. After configuration, click "Save & restart" button;

Notice: the wireless function should be enabled on wired condition



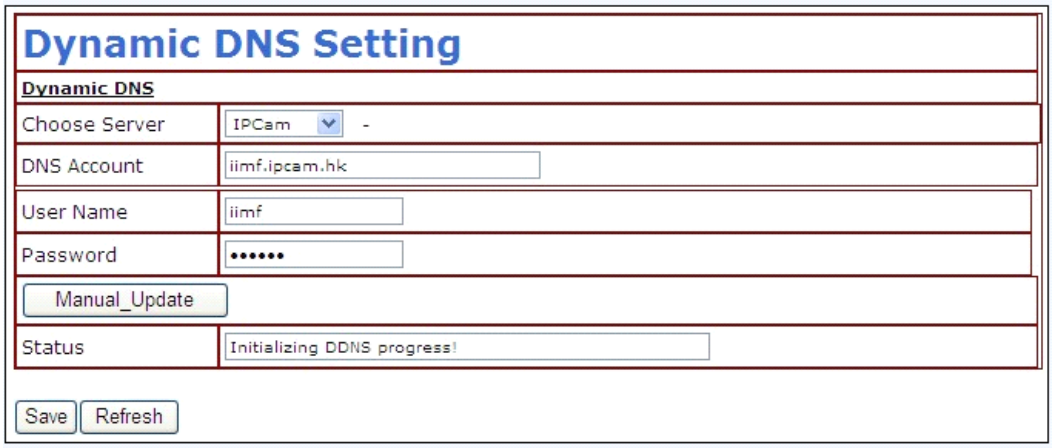
Picture 12- WIFI configuration

5.6. DDNS SETTINGS

In picture 3, router-1 acquire external IP address through ADSL, and the IP address is dynamic, when we want to access device from internet, we do not know what is the IP address, hence, we should acquire the address via dynamic domain name server in internet, the camera-1 send a message to dynamic domain name server(ddns) from time to time, then the ddns can analyze the external IP address of the router-1 camera-1 connected, we can acquire the IP address of the server through dynamic domain name. Actually, the dynamic domain name stands for dynamic IP address, if we can not access device through IP address, the dynamic domain name is not available.

❖ MANUFACTURER DDNS

The manufacturer has set up ddns in internet, and provide a dynamic domain name for each device, and the settings has been done when the device produced, such as shown in picture 13. After set remote configuration, input the dynamic domain name in browser address blank, then the address will be analyzed as the right IP address of device, and start to connect device.



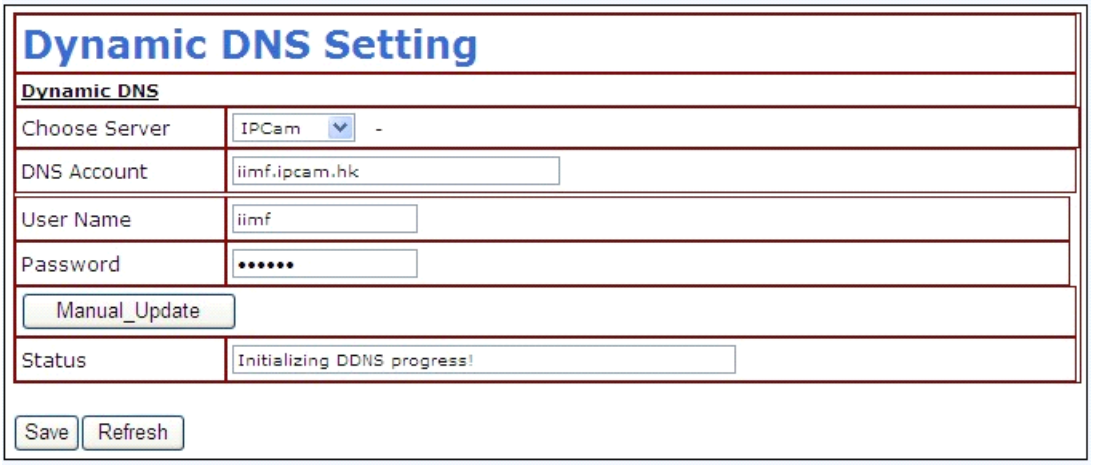
Picture 13- DDNS configuration

Notice: the dynamic domain name uses forwarding mode to access device, it auto changes into the IP address and port relating to device.
Notice 2: on it can access device via IP address but not dynamic domain name condition, please check the DNS configuration whether it is available and confirm the configuration is attaching with LAN configuration in computer.

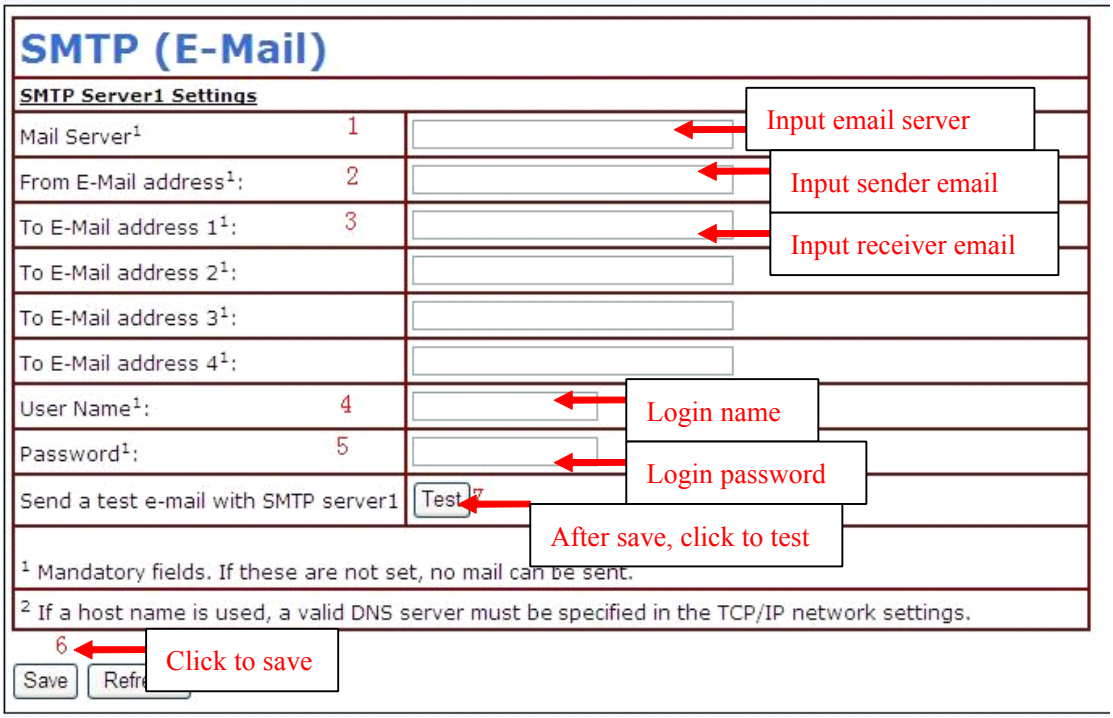
❖ THIRD PARTY DDNS ACCESS

If it is some reason that can not use the manufacturer ddns, we also can apply third party ddns as instead, such as www.3322.org domain system, login this kind of web to apply a free dynamic domain name, then input information as shown in picture 14, after save, then we can access with the dynamic domain name.

Notice: usually, third party ddns uses analyzing mode to access device, it will keep the link still after inputting on browser, if device port is not 80, then need to add a”:” then the port behind dynamic domain name, such as: *http://ipcam.3322.org:81*



5.7. EMAIL SERVICE SETTINGS



Picture 14- email service configuration

In picture 14, the configured content is must, if that information is not correct, then the configuration is failed.

Notice: before configuring this page, please confirm the email information is available.

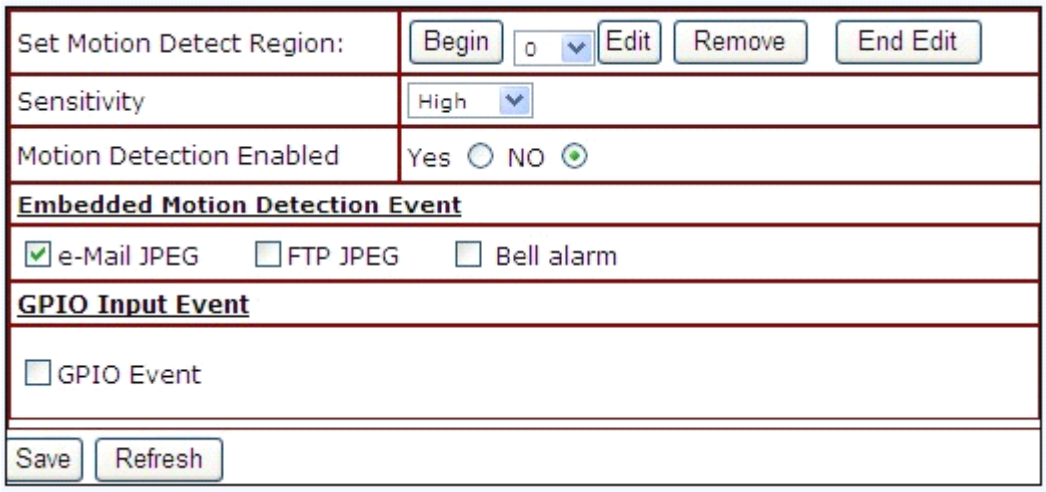
- ❖ **SMTP server:** input the SMTP server of email server
- ❖ **Sender address:** input email address to send email
- ❖ **Receiver address:** input email address to receive snapshots and IP
- ❖ address. It can support 4 receivers.

5.8. MOTION DETECTION

Select motion detection to monitor a fixed area, it will trigger alarm when there is abnormal situation. The configuration interface as picture 22, device can support 16 areas of motion detection, tick on option under viewing window to enable the function of selected area. After enabling the area, the screen will show a area frame and area number, click mouse on the frame to drag to anywhere, also the frame size can be changed by dragging the right-down corner of the frame. After configuration, click apply button to enable the settings.

Picture 15- motion detection

- **Motion detection area:** it can trigger email alarm and record linkage after enabling motion detection, and support 16 different areas
- **Sensitivity:** it supports to choose different sensitivities from 0 to 30, 30 is the highest.
- **Motion detection alarm:** email alarm linkage, FTP upload picture, siren, etc.
- **GPIO input alarm:** support external alarm sensor， it can trigger alarm linkage when alarming, such as email notice, FTP upload picture, etc.



Picture 16- motion detection configuration

6. System Requirements

6.1. IPCAM Requirements

1.SIPCAM= M series
2.MIPCAM=M1 series
3.MJPG=F2 series
4.HBMJPG=F series

6.2. Host System Requirements

Operation System Requirements: Above version of Windows2000 Server or WindowsXP Professional .

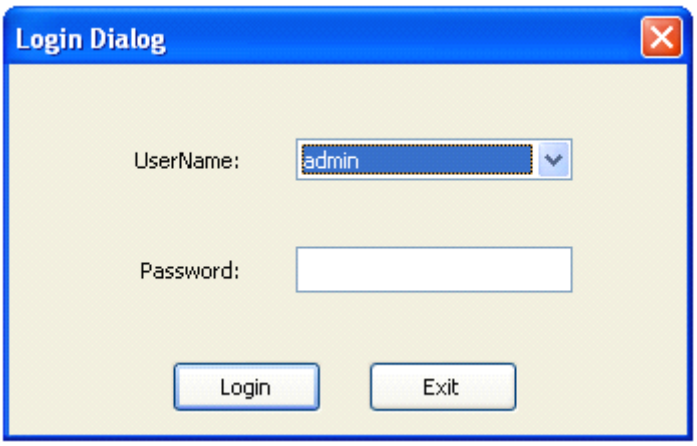
Memory Requirements:above DDR 2 GB

Hard Disk Requirements:The above 320GB

Resolution Requirements: above 1280 * 1024

6.3. Login System

Double Click to run the main process ,a dialog box shows:

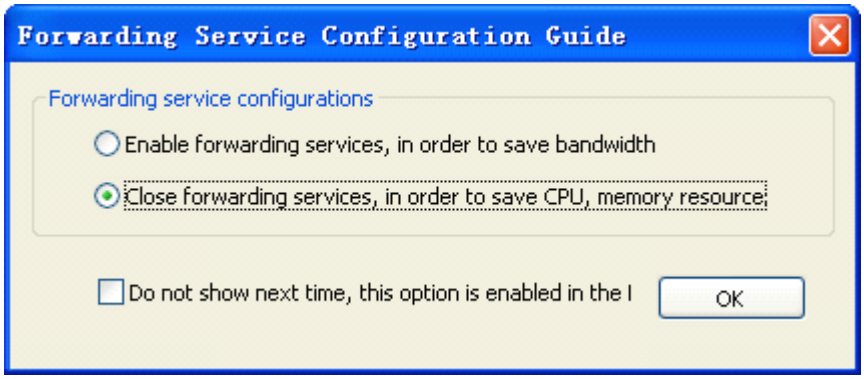


You can enter into Main Interface after input accurate UserName and Password .And system have a default administrater named admin ,use this UserName , with this UserName you can enter into Main Interface without password.

Notice:If Login as a common user ,some functions can't be used

6.4. Forwarding Service Configuration Guide

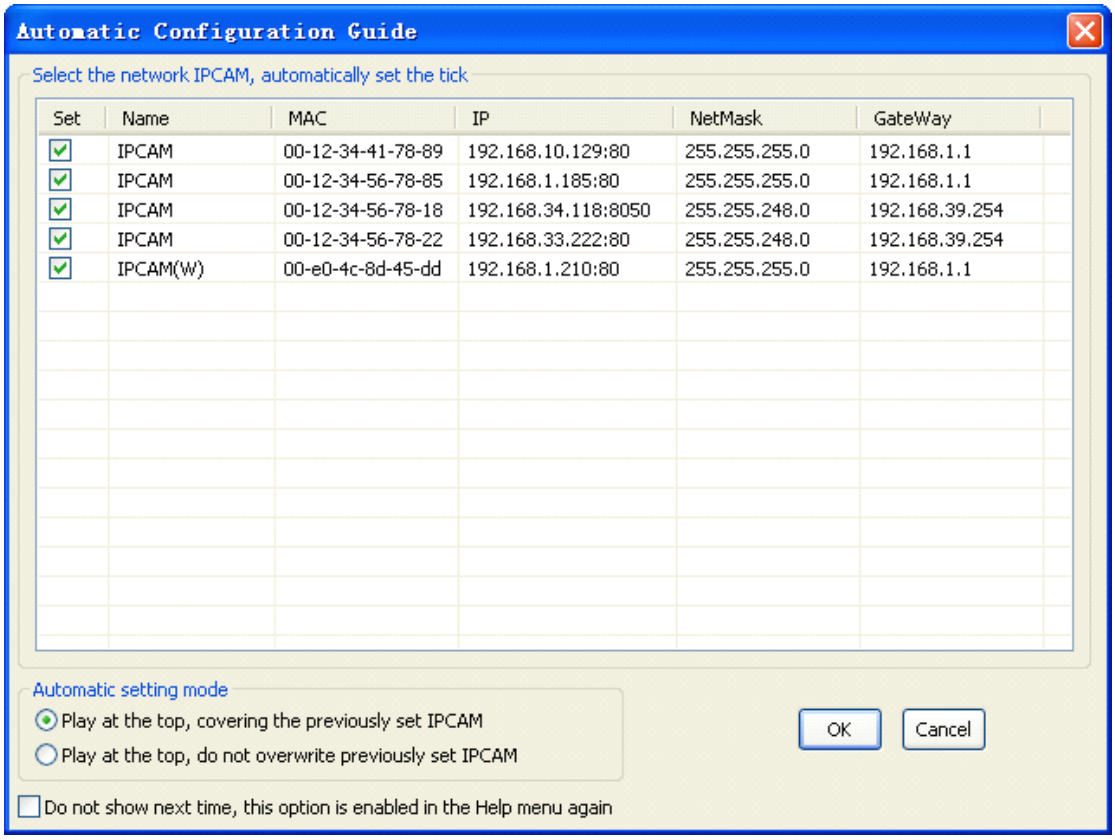
Click to log into the forwarding service configuration will guide interface:



In the forwarding service configuration box, select [Enable forwarding services ...], multi-window will start the relay server in the background window and background video for the provision of multi-forwarding service, forwarding service can save IPCAM enabled to multiple window system bandwidth resources. select [Close Forward Services ...], multi-window will not start forwarding server, the server will save forwarding is not enabled PC's CPU resources and memory resources. Select the [Do not show next time…], when the next launch window will not pop up much of this form, but the forwarding configuration, or follow the current configuration.

6.5. Automatic Configuration Guide

Click the login interface will enter the automatic configuration guide:



Interface will automatically search the LAN online IPCAM, listed in the list, and the default Da Shanggou, was selected.

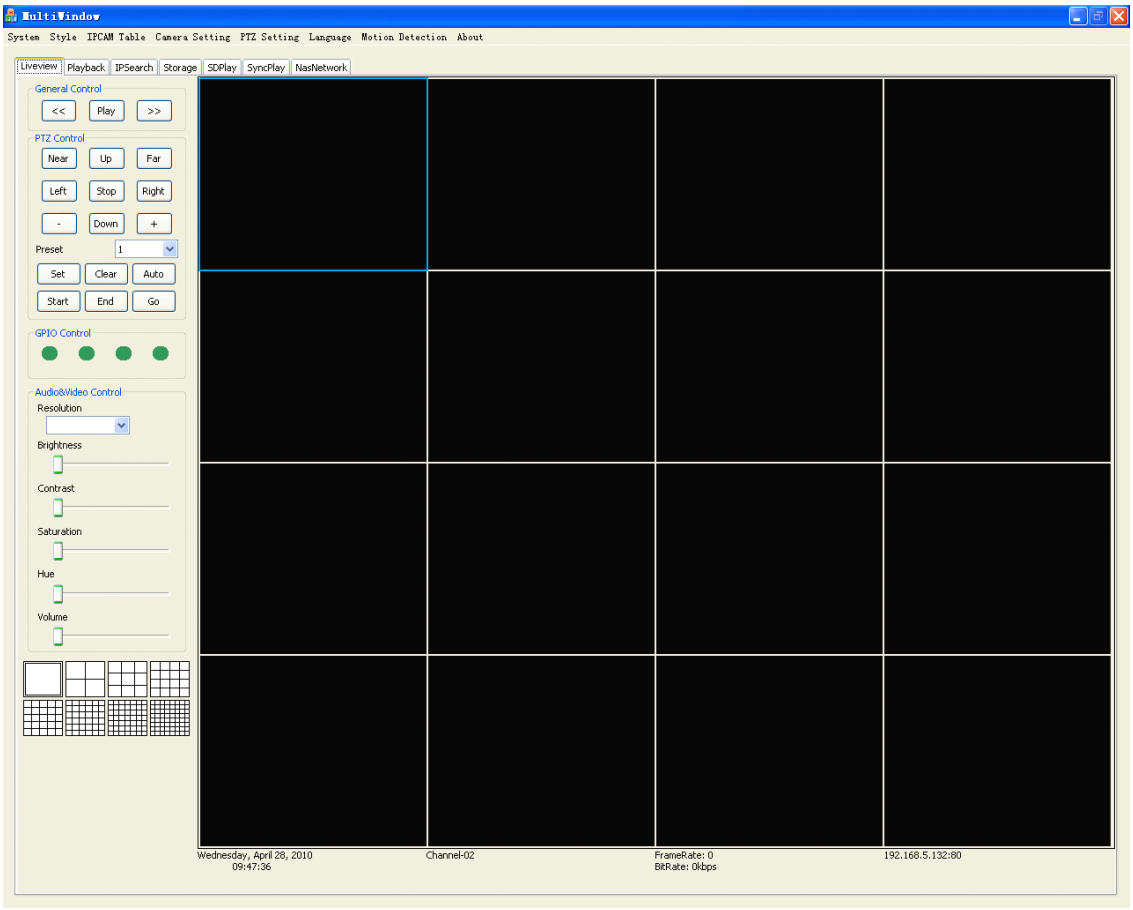
1. the list of IPCAM, set out in the Da Shanggou that selected, not Da Shanggou not selected. IPCAM will be selected after clicking the confirmation button is automatically added to the

player window to play.

2. automatically set the mode, select [Play at the top, covering the previously set IPCAM], will be searched and added to the playlist Da Shanggou the IPCAM the top of the window. Select the [top-ranked player, do not overwrite the previous Set IPCAM], will be searched and added to the playlist Da Shanggou the IPCAM the top of the window, if there is some window has been set IPCAM, there IPCAM will skip the window has been set, set to the next is not set IPCAM Window.
3. [Do not show next time, this option can be enabled again in the Help menu], select this option will no longer next time you start multiple windows pop up automatically when the configuration guide window.

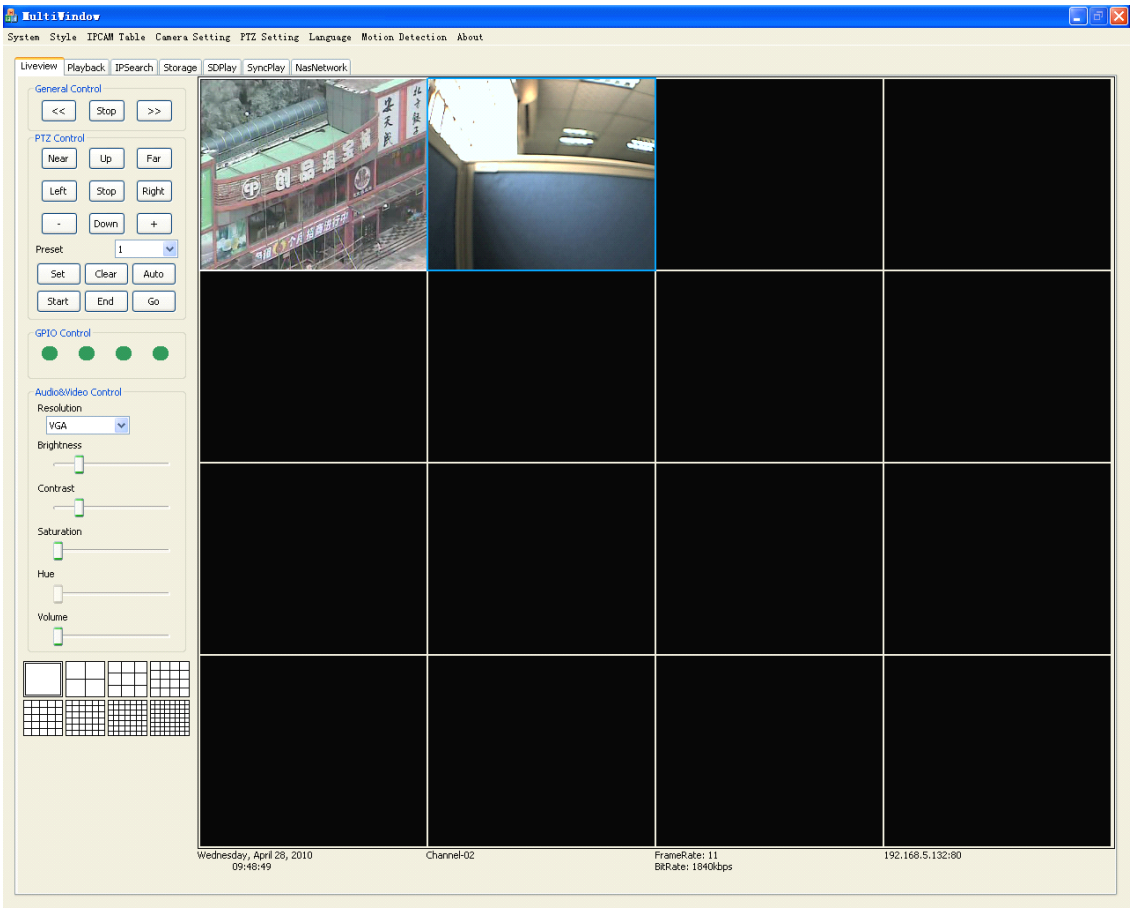
6.6. Main Interface

After login successfully, a dialog box shows:



6.7. LiveView

1. General Control Play the window



2. Play : Play the window which has been selected,and the button turns to Stop Play at the same time.

>>: PageDown

<<: PageUp

Play Current Page：

Right-Click the selected window, a pop-up menu shows like below:

Then click the item named Play Current Page,It will play at last.

Stop Current Page：

Right-Click the selected window ,a menu shows like above , Then click the item named Stop Current Page ,The current playing windows will be stopped at last.

3. PTZ Control

Up	The camera tilted upward
Down	The camera tilted downward
Left	The camera shake to the left
Right	The camera shake to the right
+	To make the camera zoom is far

-	To make the camera zoom close
Near	Near the camera focus
Far	Far from the camera to focus on
Stop	Stop PZT control

Notice: Hold down the mouse over the operation, the operation should be carried out relative,when the release of the mouse,the operation will be stopped relative.

4. Preset

Set：	Set the current PZT positon as the preparative position
Clear：	Clear current PTZ preparative position
Go：	Start cruise
Start：	Start Point of cruise
End：	End Point of cruise
Auto：	Open or close the function of auto cruise

5. GPIO Control

Button control GPIO GPIO port level, green low, red high, brown says unknown

The button corresponding GPIO port settings, see the menu [System -> Options -> GPIO Config]

6. Audio & Video Control

Resolution：	Adjust the revolution of the camera
Brightness：	Adjust the brightless of the camera
Contrast：	Adjust the contrast of the camera
Saturation：	Adjust the saturation of the camera
Hue：	Adjust the hue of the camera
Volume：	Adjust the volume of the camera
Camera Mode：	Adjust the motion jpeg ipcam's camera mode.[in door/out door]

7. Record

Video features the main interface, the main interface, including video button [Start Video], [Stop recording], [state] [Browse] and right menu [video] items.

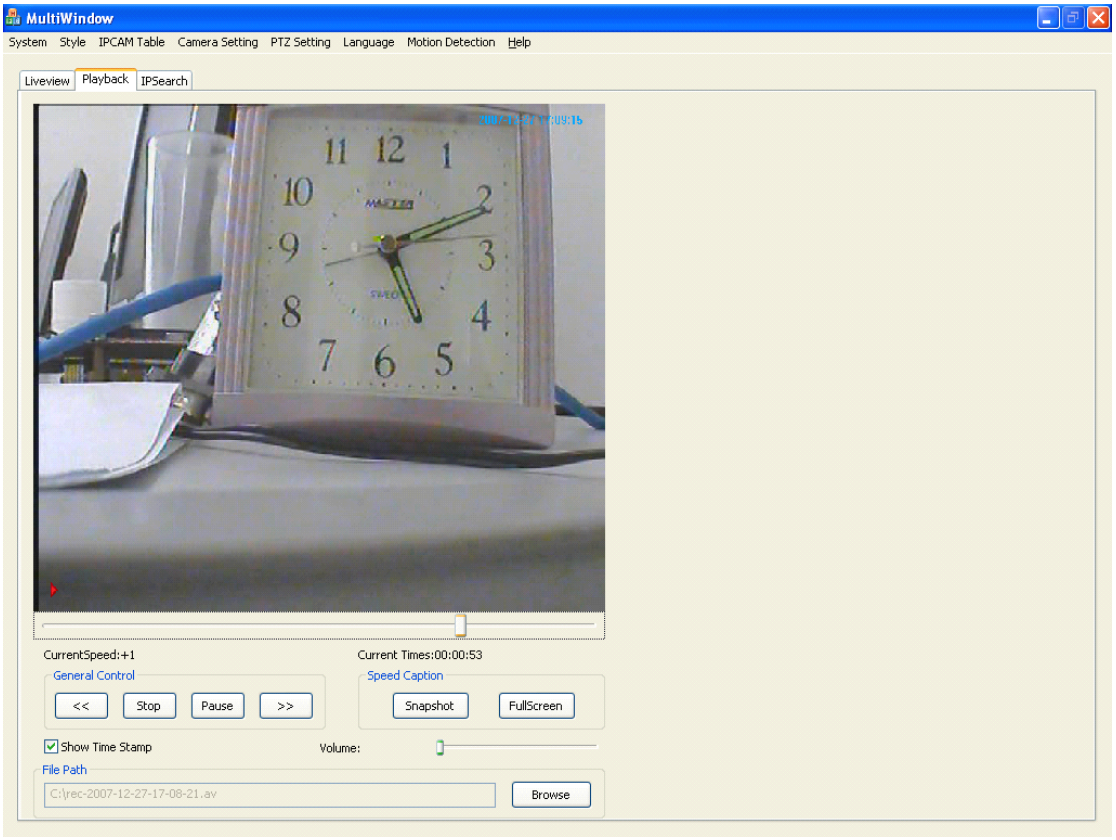
[Start Video]: Click to start recording, will start recording all current windows.

[Stop recording]: Click to stop recording, all windows will stop the current video.

[Status]: Click the status button, will pop the current video information display form.

6.8. PlayBack

Choose the Playback option to play back the video files and manage them

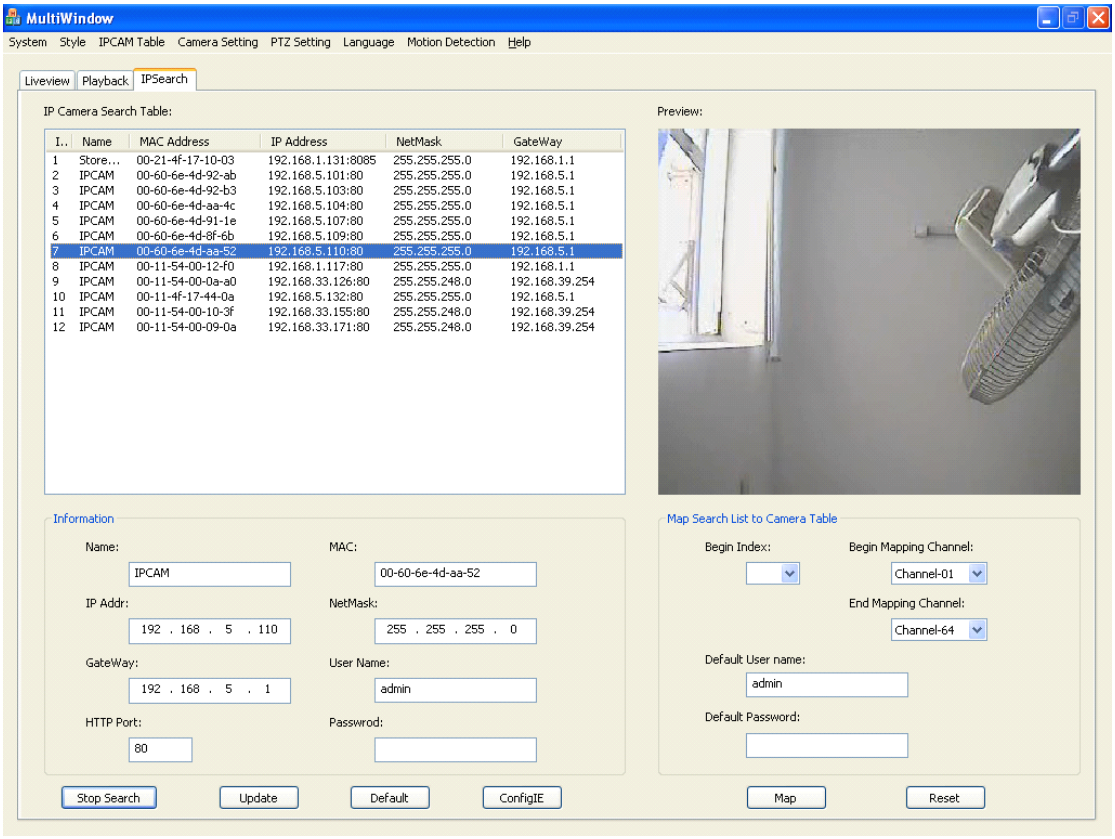


Current Speed: Show the speed of the current play
Current Time: Show the schedule of the current play
Genetral Control: Control the file which is playing
<< : Back
Play: Play
Pause: Pause
>>: Go ahead
Show Time Stamp: whether show the record time on the playing file
Volume: Control the volume of the playing file
File Path: Select the video file which you need to playback
Speed Caption: Additional control
Snapshot: Snapshot the playing file
FullScreen: Full window record

6.9. IP Search

Find the network server's IP quickly,While you press the Search button,it will show all of the

nerwork server's IP that have line connecting with yours.



1. IP Camera Search Table： Show the network information table which is the result of search.

   Information ： Basec information of network cameras
   Name： The name of camera
   MAC： MAC address
   IP Addr： IP address
   NetMask： Subnet mask
   GateWay： Gateway
   UserName： UserName
   HttpPort： HTTP port
   Password： Password

   Search： Search
   Update： Configure the network information
   Default： Back to the original configuration on the camera
   ConfigIE： Change the IE, in order to guarantee the camera's normal play

2. Preview: Double-click to preview the current selected network camera

3. Map search List to Camera Table: Mapped the search network camera address to Camera Table

Begin index: From an ID of IP Camera Search Table
Begin Mapping Channel: From a window of sixty start
End Mapping Channel: To a window of sixty end
Default UserName: User Name
Default Passwor: Password
Map: Map the result of search into the IPCAM Table
Reset: Clear all of the camera table's items

6.10. system

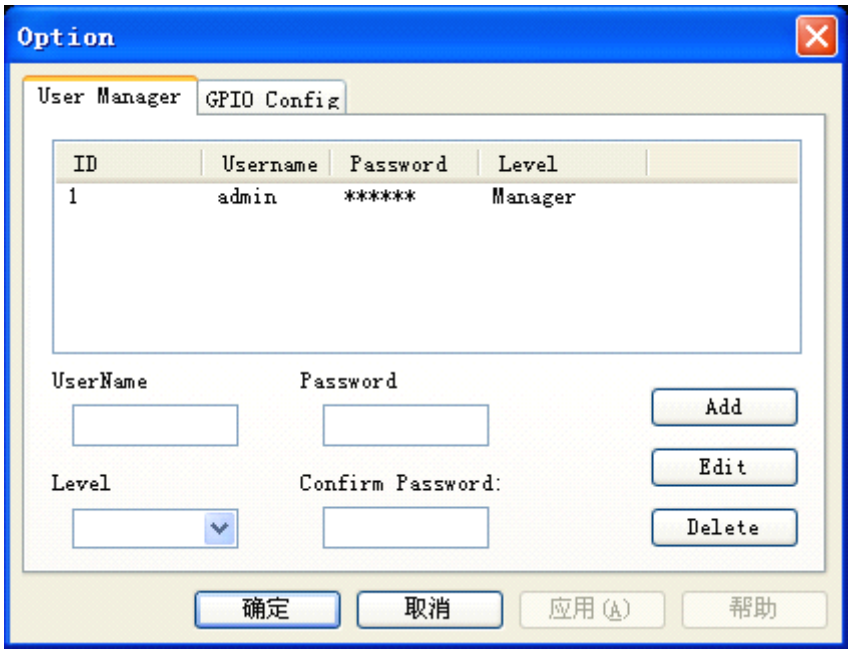
1. Save config

The current settings(the path of REC file ,the path of snapshot, OSD, time-sharing record and so on),stored in the ini format configuration file.

2. Load config

Load the ini format configuration file.

3. Option



User Manager:

Add,Delete,Edit Users

There are two kinds of purview: Manager , User

GPIO Config:

Output1: The main interface GPIO button 1

Output2: The main interface GPIO button 2

Output3: The main interface GPIO button 3

Output4: The main interface GPIO button 4

4. Exit

The Exit of entire process.

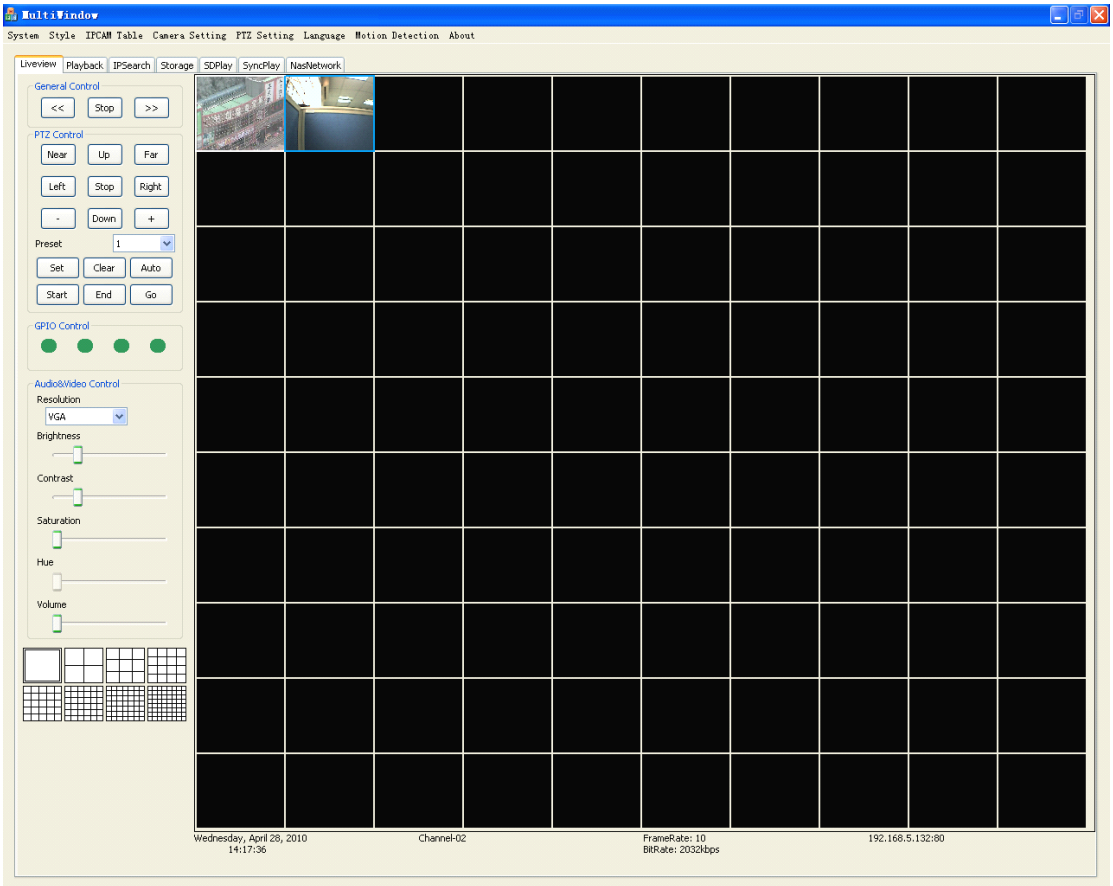
6.11. Style

Four kinds of Style：1 Window 4 Windows 9 Windows 16Windows 25Windows 36Windows 49 Windows 64Windows 8 1Windows 100Windows。

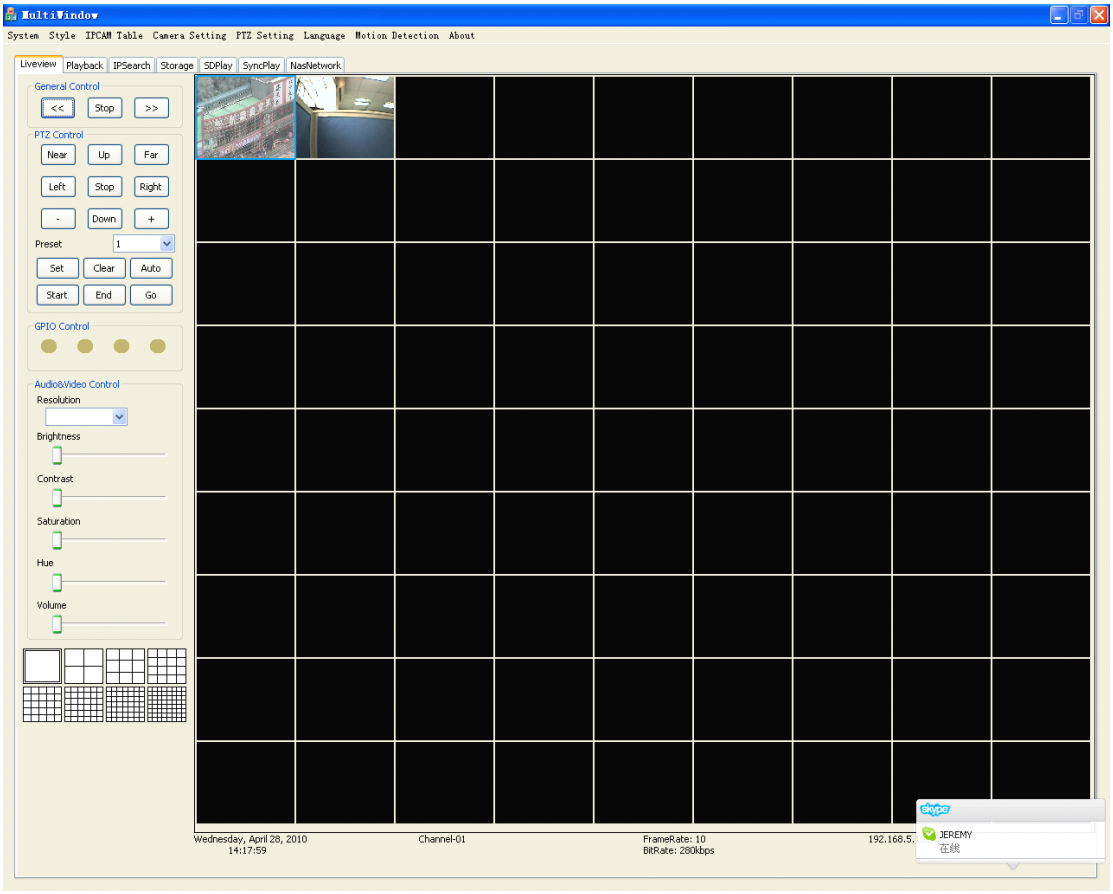
Full Screen: Full Screen of the correlated window

Show different style of the windows:

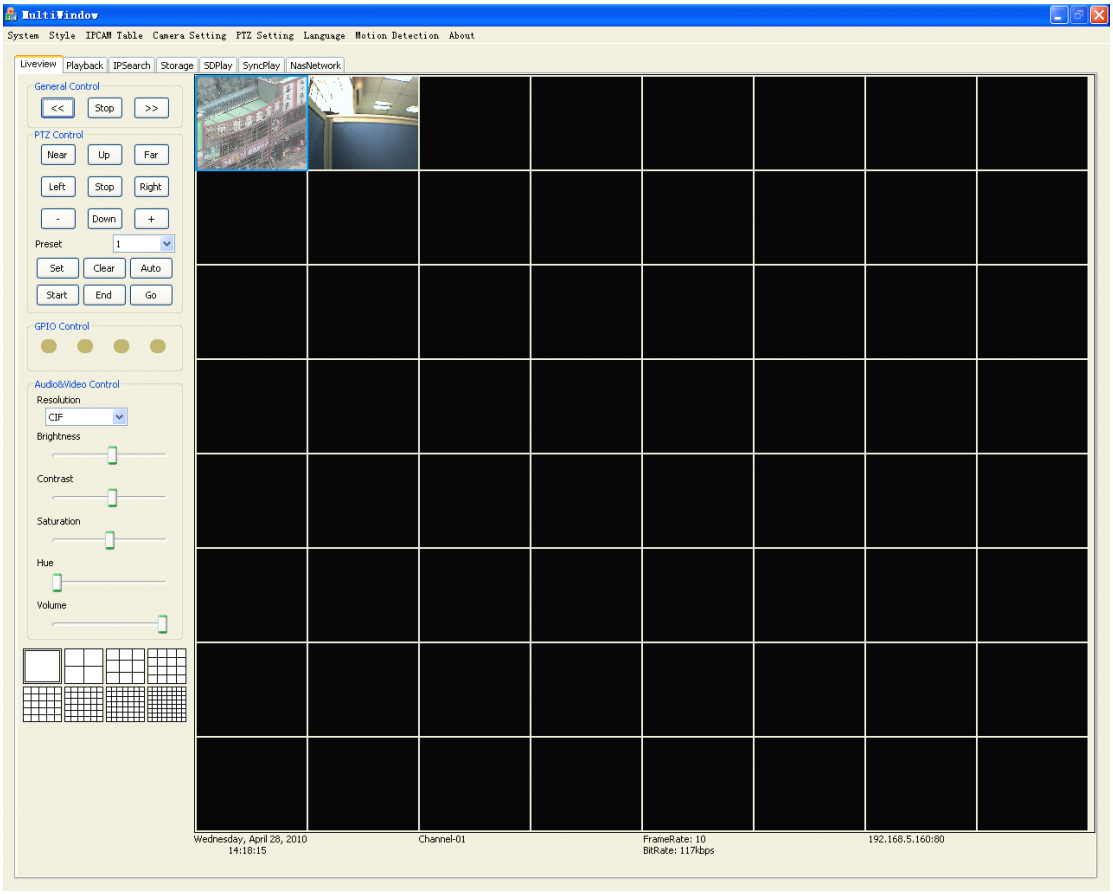
1. 100 Windows



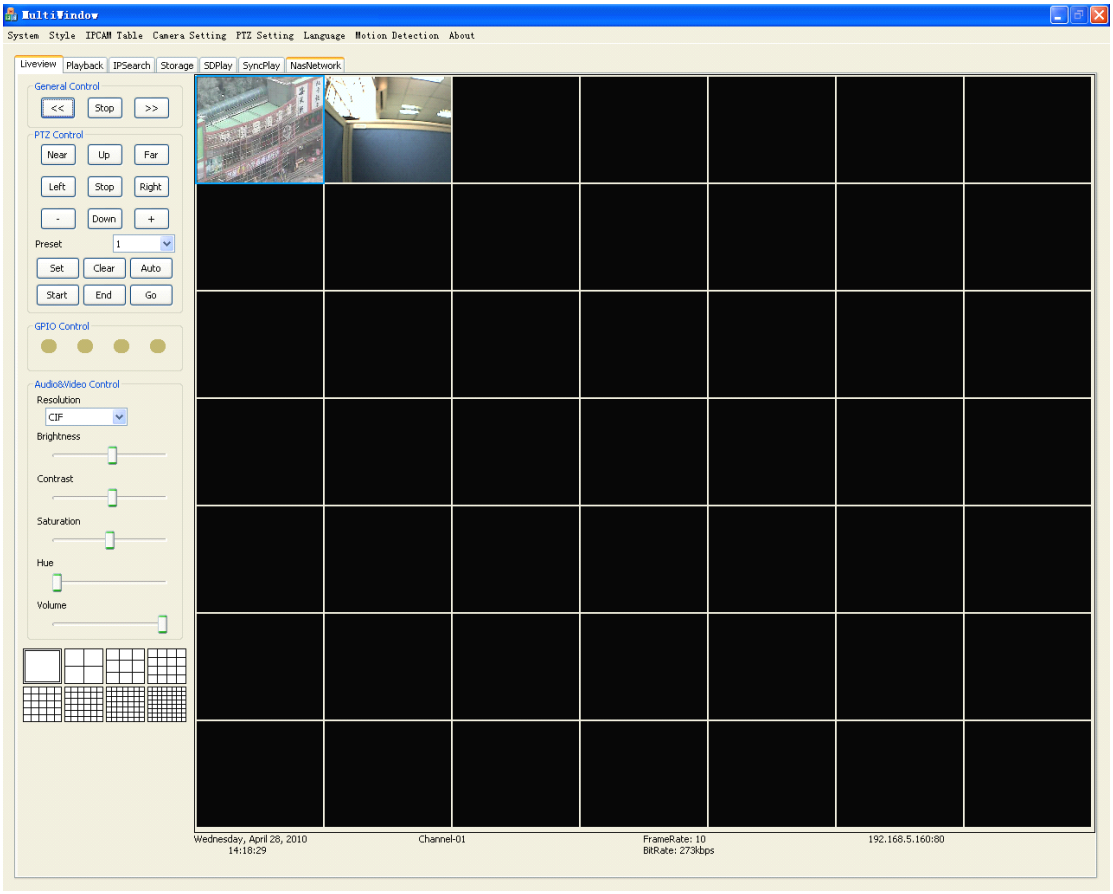
2. 8 1Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:17:59
Channel-01
FrameRate: 10
BitRate: 280kbps
JEREMY
在线

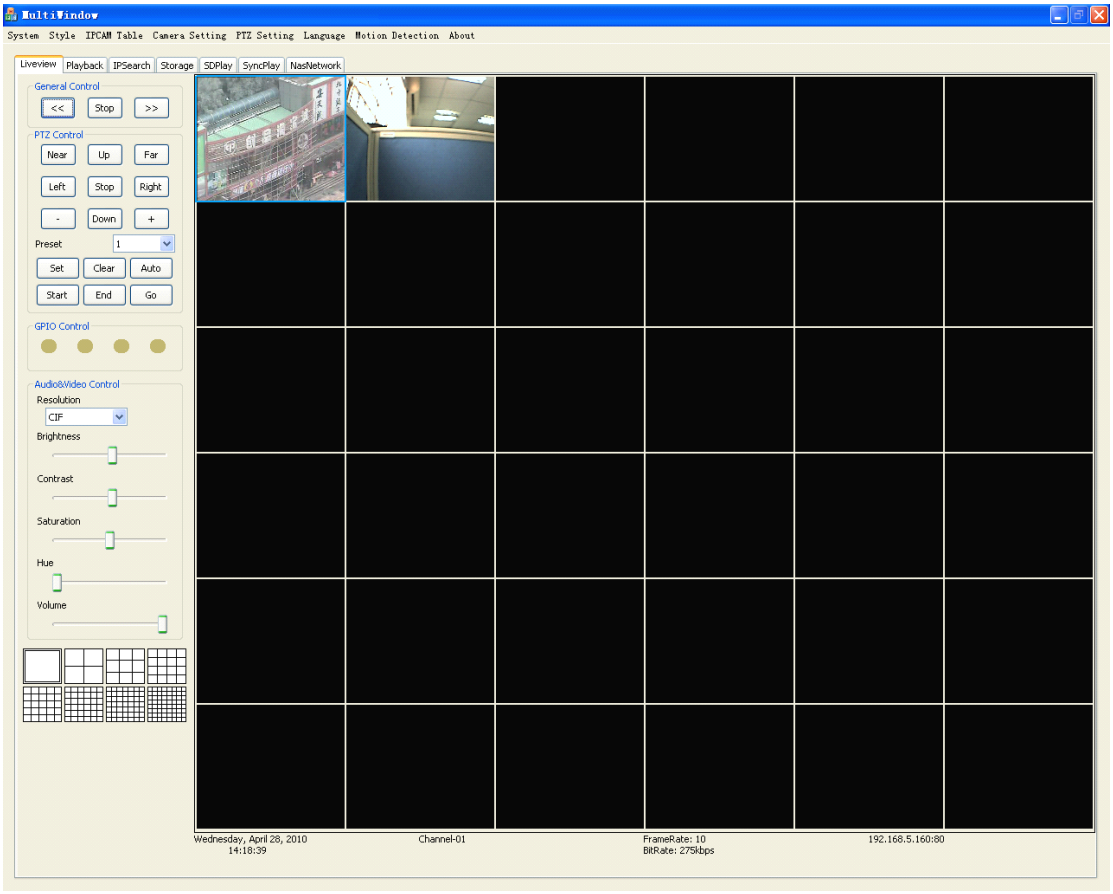
3. 64Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:18:15
Channel-01
FrameRate: 10
BitRate: 117kbps
192.168.5.160:80

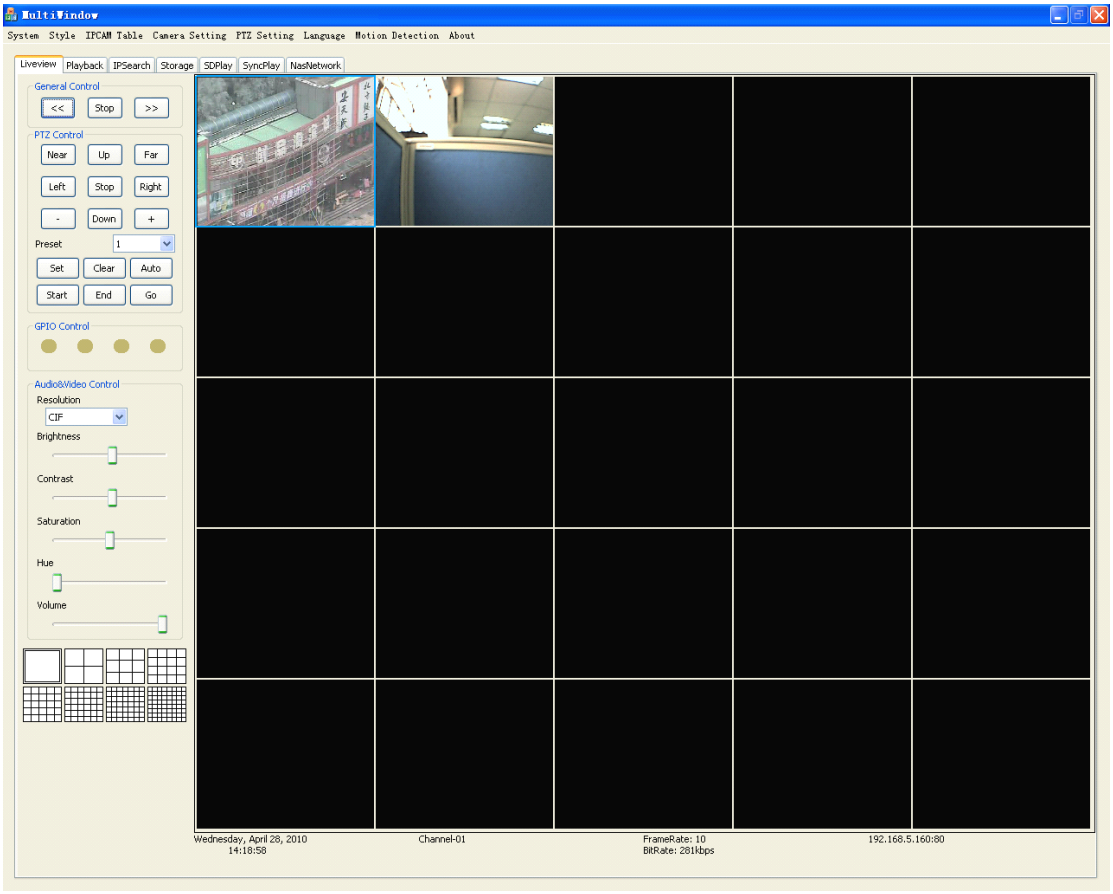
4. 49 Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:18:29
Channel-01
FrameRate: 10
BitRate: 273kbps
192.168.5.160:80

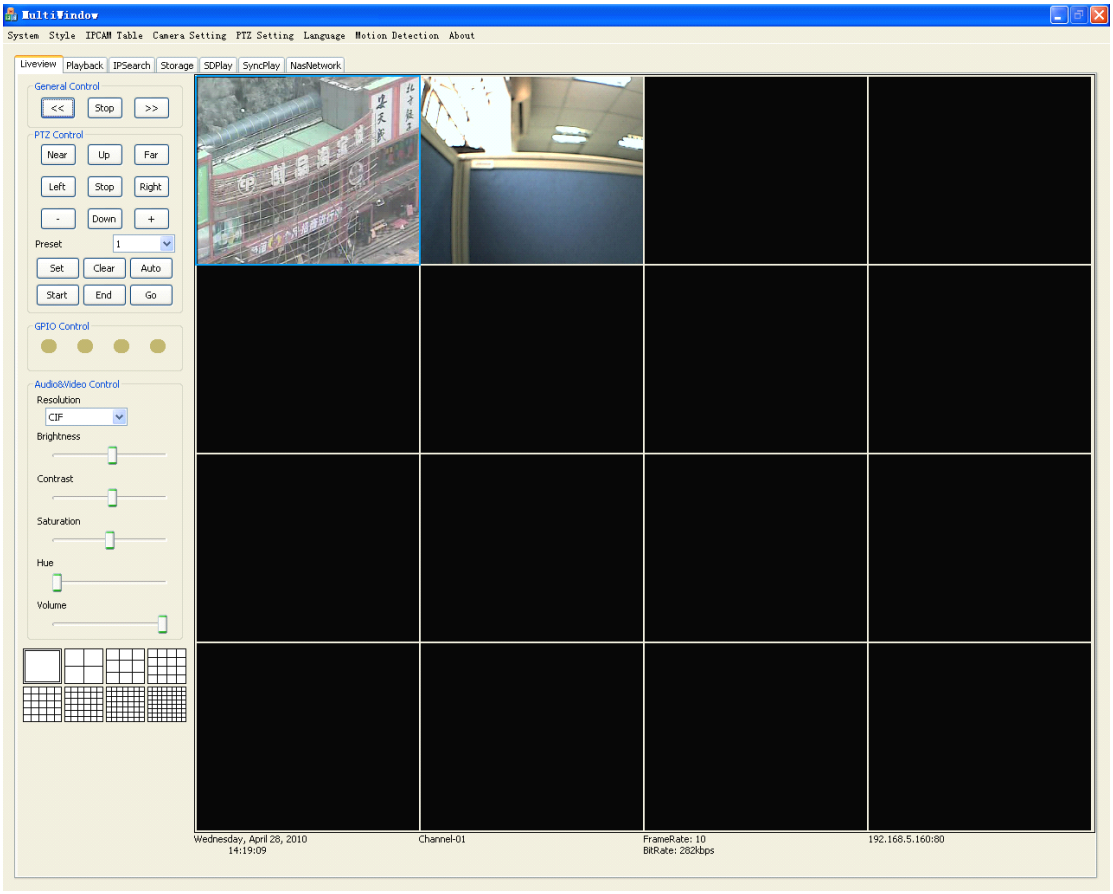
5. 36Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:18:39
Channel-01
FrameRate: 10
BitRate: 275kbps
192.168.5.160:80

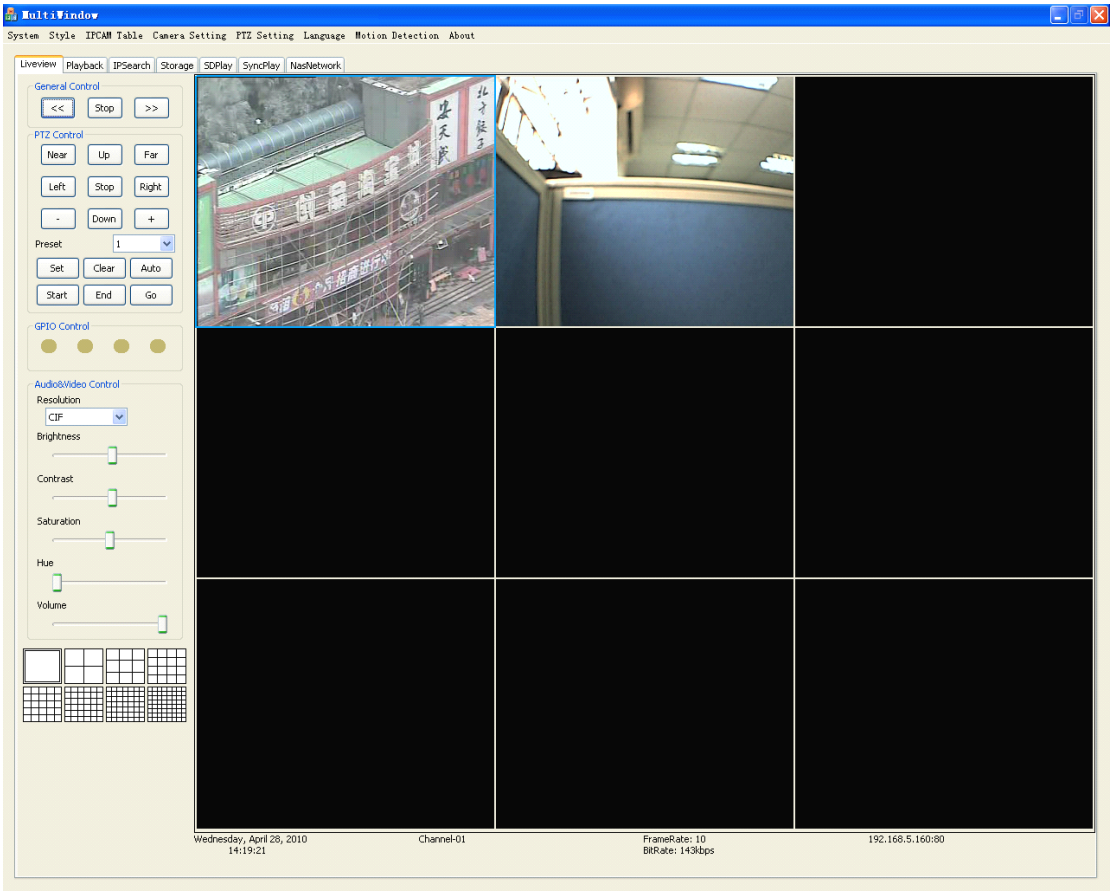
6. 25 Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:18:58
Channel-01
FrameRate: 10
BitRate: 281kbps
192.168.5.160:80

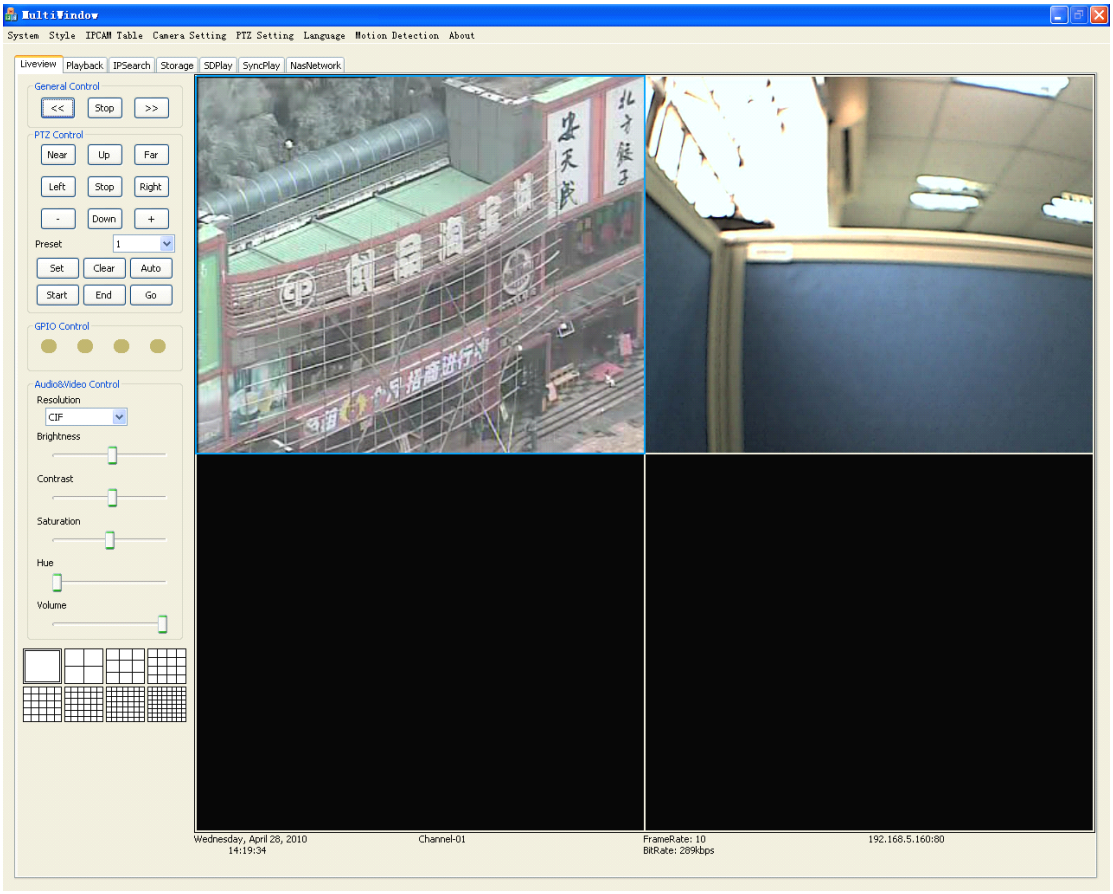
7. 16Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:19:09
Channel-01
FrameRate: 10
BitRate: 282kbps
192.168.5.160:80

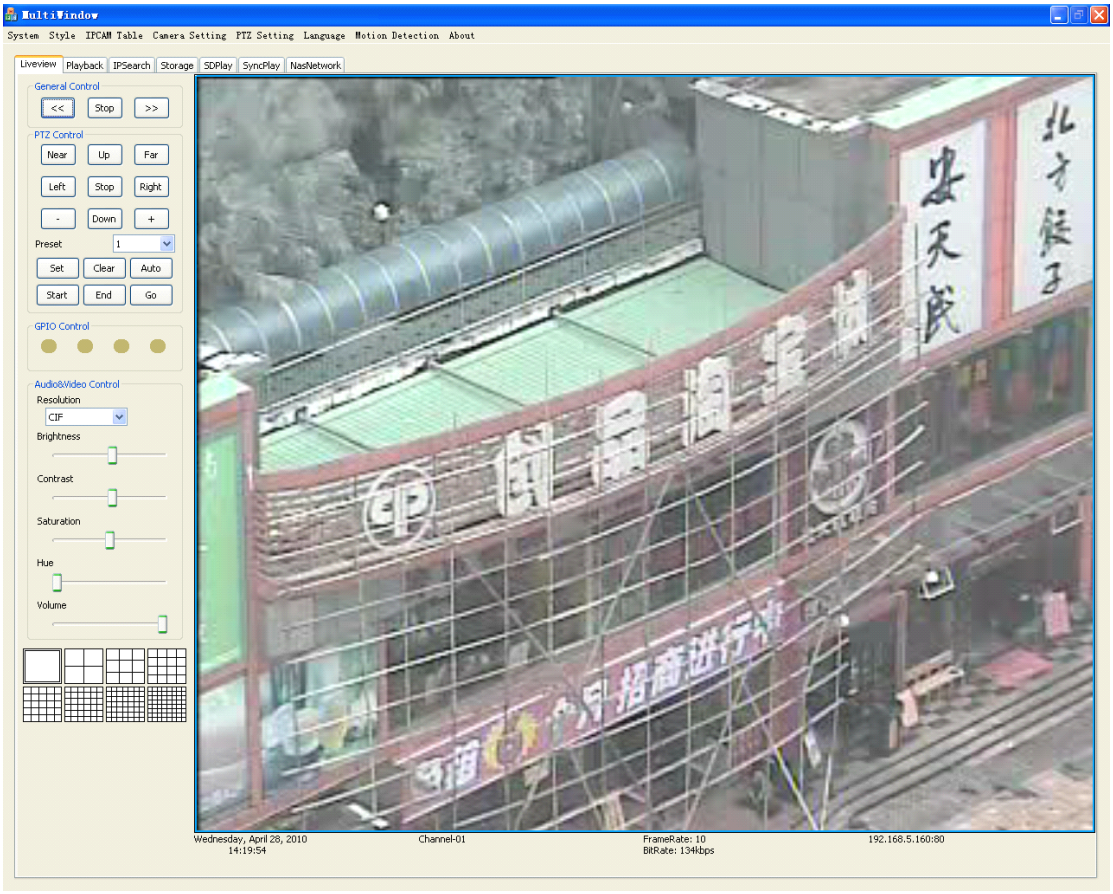
8. 9Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:19:21
Channel-01
FrameRate: 10
BitRate: 143kbps
192.168.5.160:80

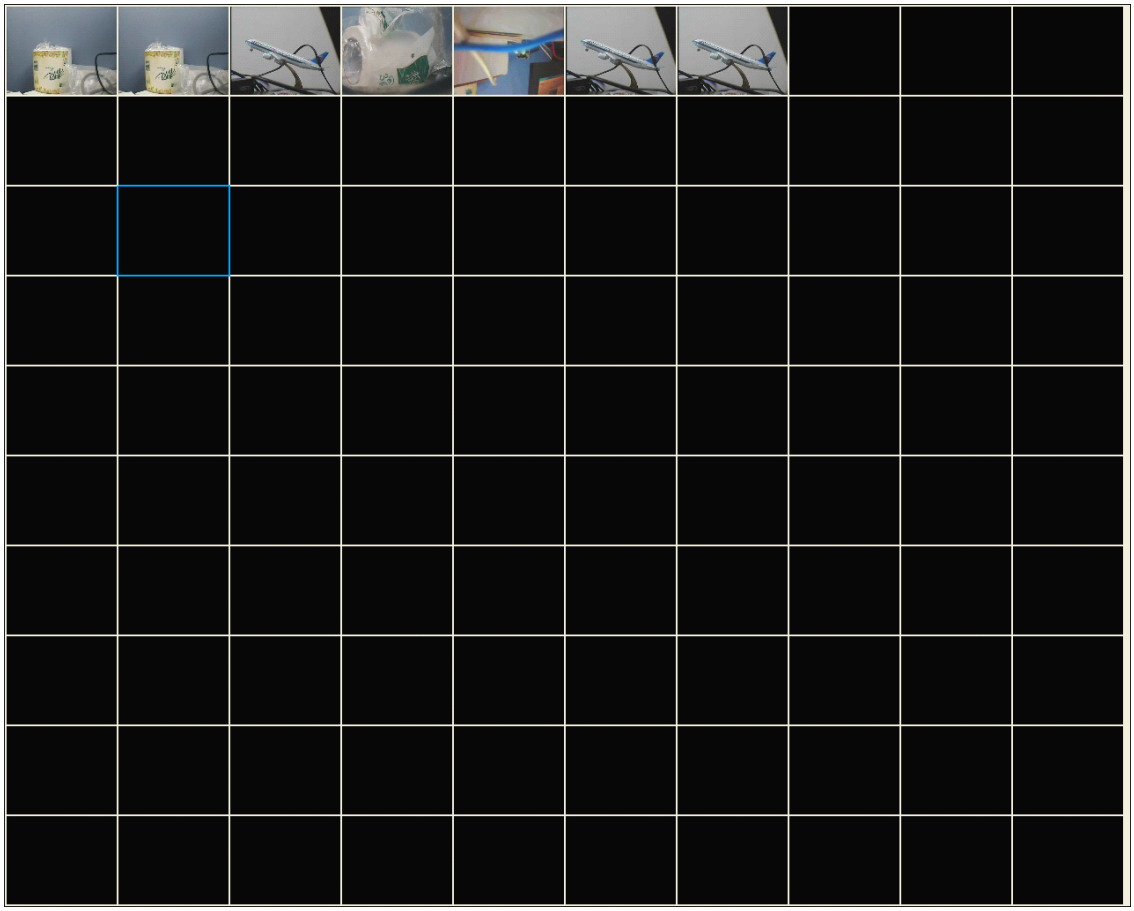
9. 4Windows


MultiWindow
System Style IPCAM Table Camera Setting PTZ Setting Language Motion Detection About
Liveview Playback IPSearch Storage SDPlay SyncPlay NasNetwork
General Control
<< Stop >>
PTZ Control
Near Up Far
Left Stop Right
- Down +
Preset 1
Set Clear Auto
Start End Go
GPIO Control
Audio&Video Control
Resolution
CIF
Brightness
Contrast
Saturation
Hue
Volume
Wednesday, April 28, 2010
14:19:34
Channel-01
FrameRate: 10
BitRate: 289kbps
192.168.5.160:80

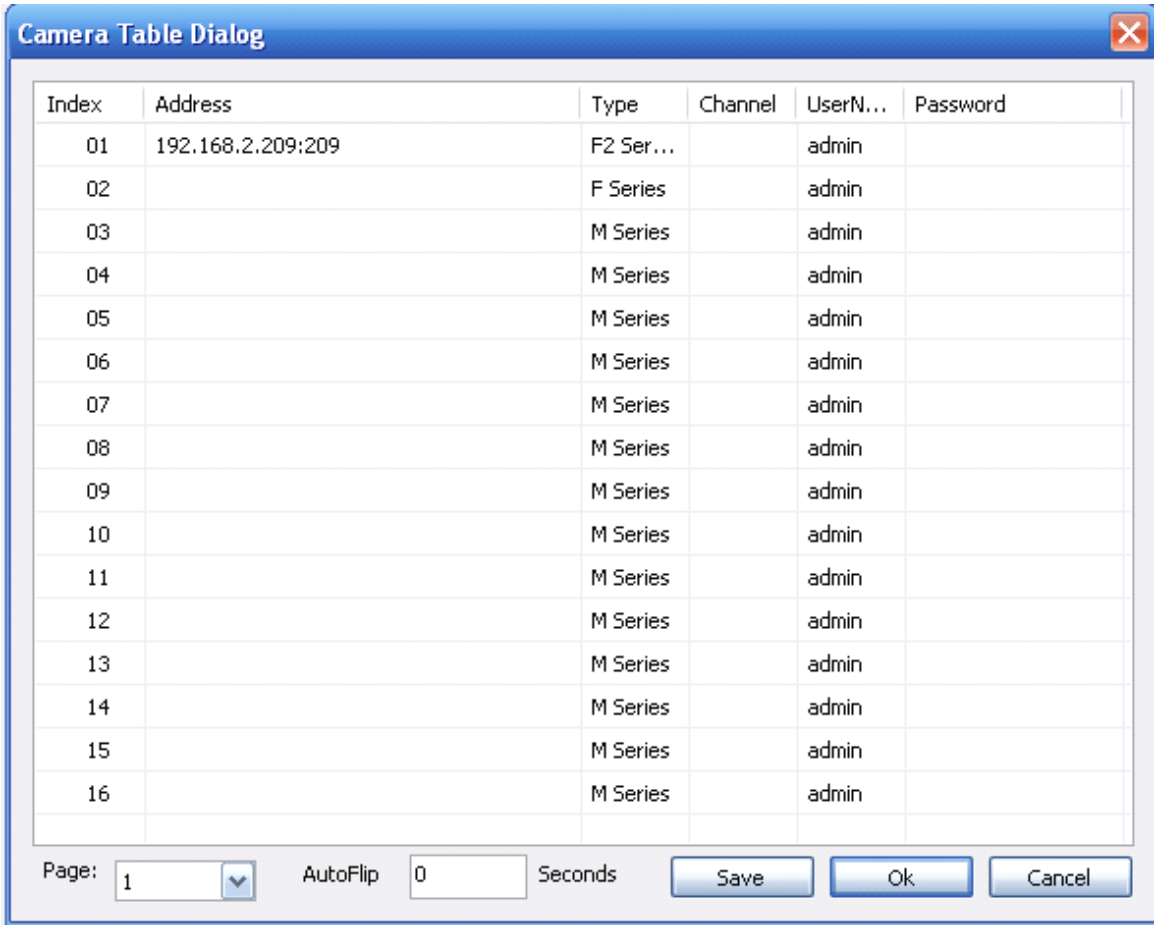
10. 1Windows



11. Full Screen



6.12. IPCAM Table

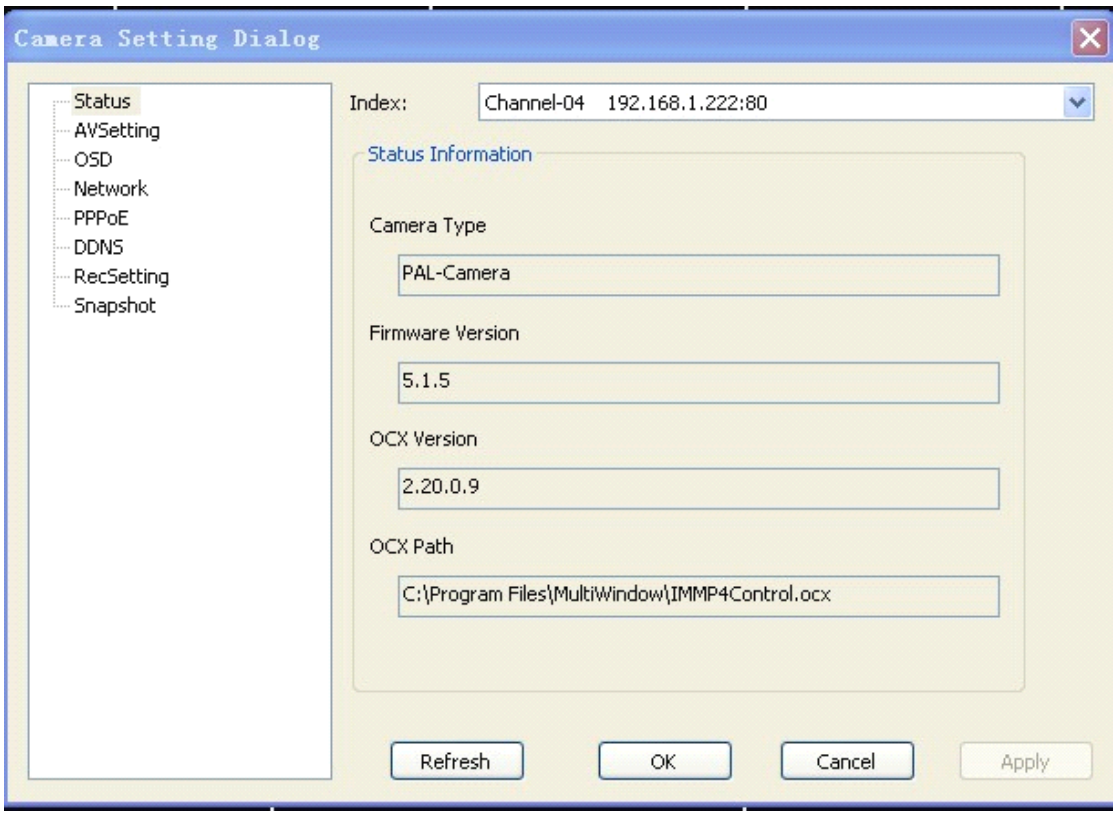


When the user only input the address and didn't input the UserName, Password or input the wrong UserName ,Password,only can play, the parameter settings and other changes will not work.

6.13. Camera Setting

1. Status

In this interface,you can see the camera,ocx control,and other basic info



Index： The number of the window

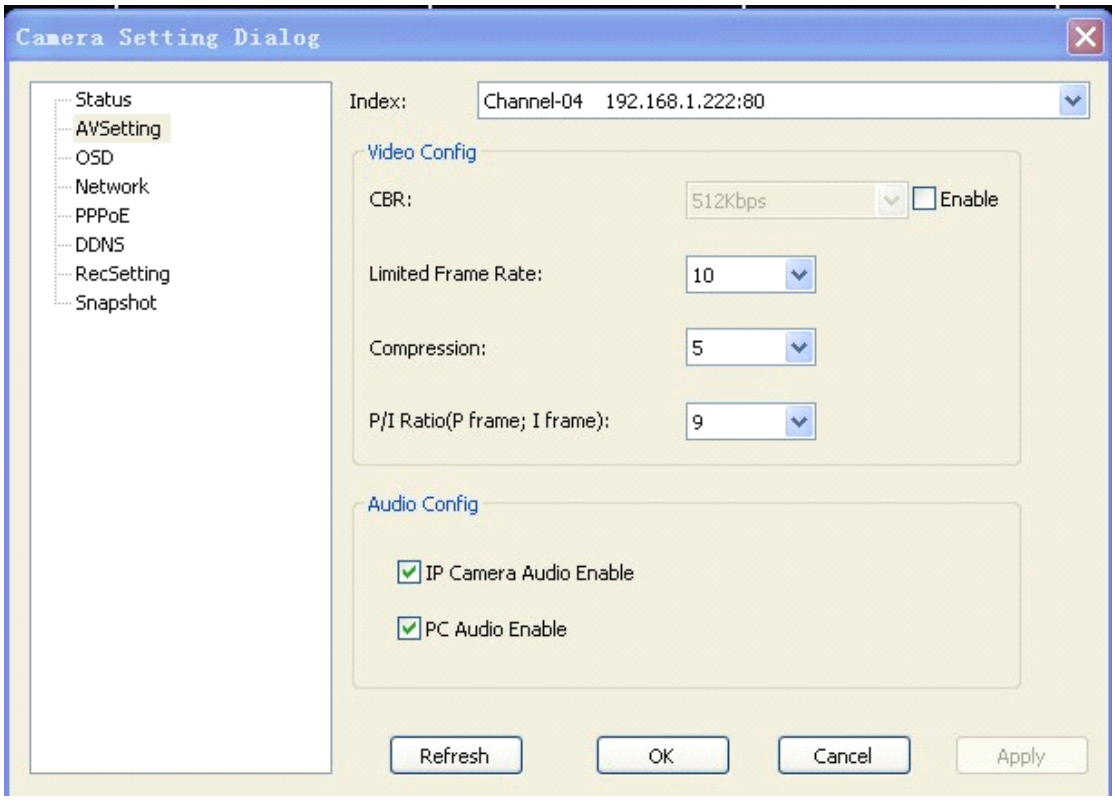
Camera Type： The type of the camera

Firmware Version： The current version of the firmware.When the need to determine whether or not to upgrade need to check this.Under normal circumstances,not only through firmware upgrades can be correted BUG, and sometimes will provide more new functions.

OCX Version： Control the current version.

OCX Path： Control installation path

2. AVSettings



Index： The number of the window

Video Config:

CBR: Fixed bit rate

Limited Frame Rate: Frame Rate

Compression: Compression rate

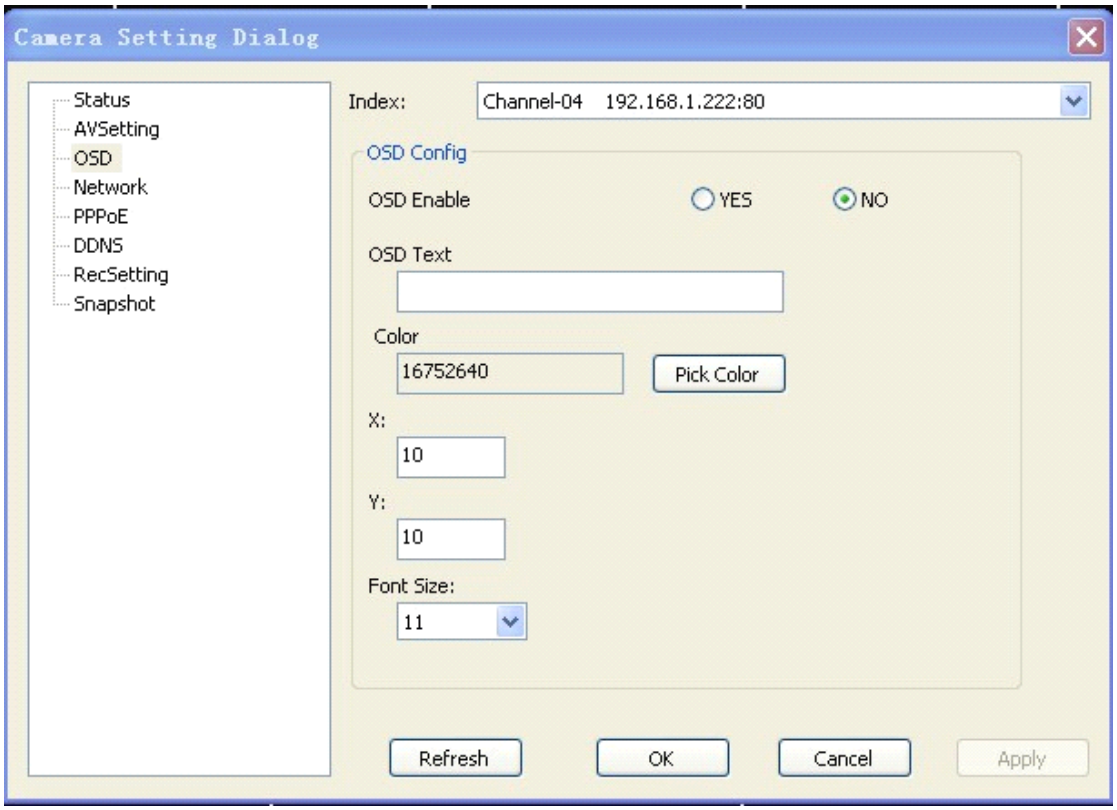
P/I Ratio(P frame,I frame): P/I Rate

Audio Config：

IP Camera Audio Enable: IPCAM audio switch

PC Audio Enable: PC audio witch

3. OSD



Index： The number of the window

OSD Config:

OSD Enabled： Whether opening the function of OSD or not

OSD Text： The OSD words which need to be shown,the maximal word are 32

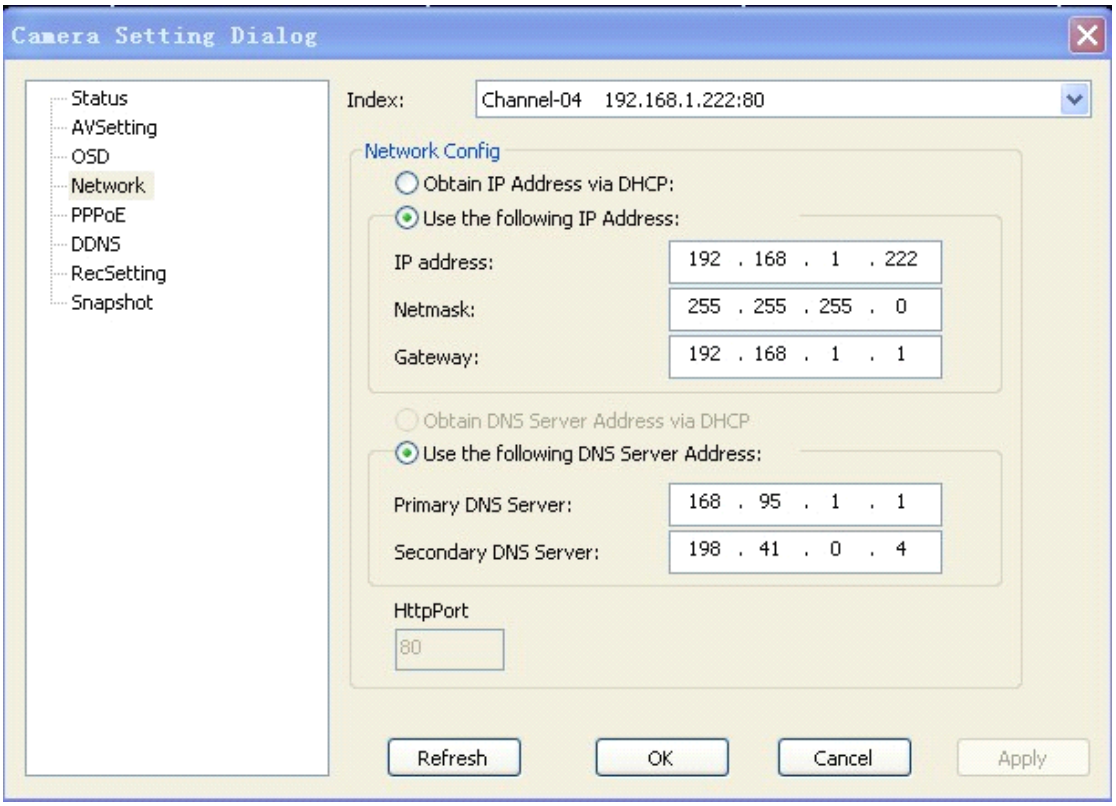
Color： The color of OSS words,can get from Pick Color

X： The relative abscissa of OSD words

Y： The relatice ordinate of OSD words

OSD Fontsize： The size of OSD words

4. Network



Index： The number of the window

Network Config：

Obtain IP Address via DHCP： Obtain IP address via start DHCP

User the follow IP Address： Set the IP address manually

IP Address： Set IP address manually

Netmask： Set network

GateWay： Set gateway

DNS Configuration：

Obtain DNS Server Address via DHCP： Obtain DNS server automatically via start DHCP

User the follow DNS Address Server： Set DNS server manually

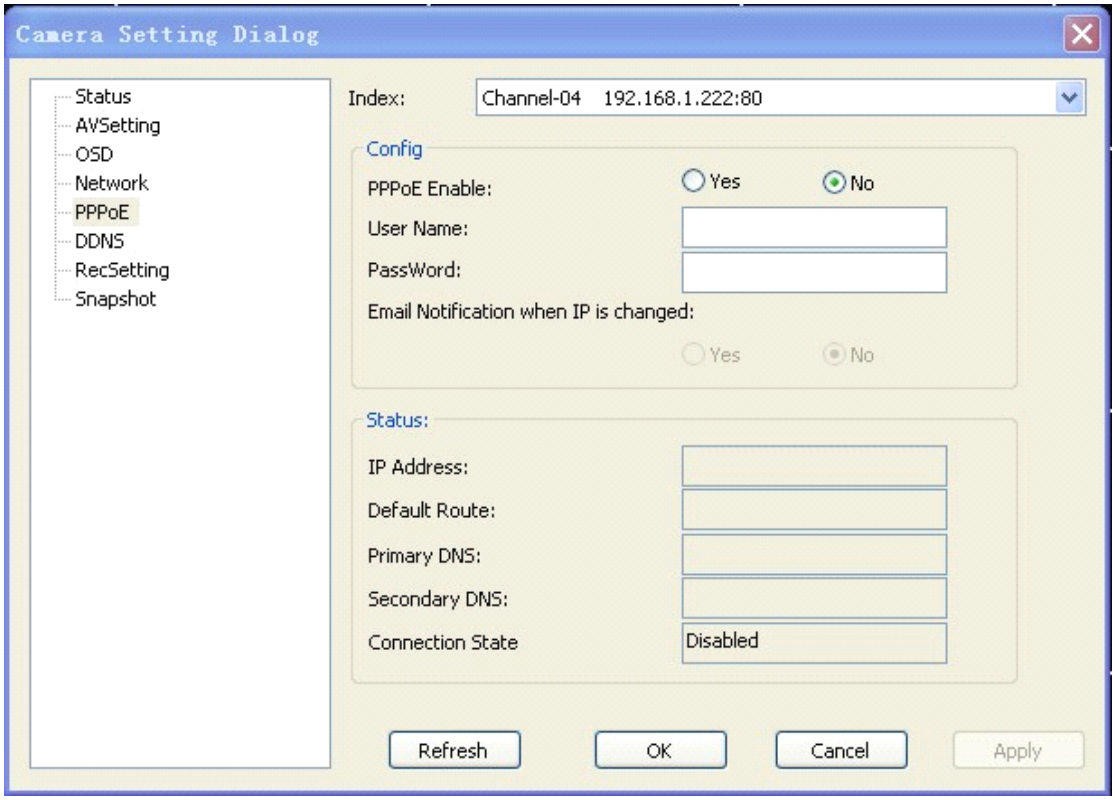
Primary DNS server： The ip address of primary DNS server

Secondary DNS server：	The ip address of secondary DNS server
HTTP Port：	Visit the http port of IPCAM,the default port is 80.

Notice:

If set the IP address of secondary DNS server,the IP address of primary DNS server must be filled out.
After change the settings,wille restart the IPCAM automatically,and please change the item of IPCAM Table at the same time,or obtained by IPSearch's search through pages.

5. PPPoE



Index： The number of the window

Config:

PPPoE Enable： PPPoE switch

User Name： Input the account provided by ISP

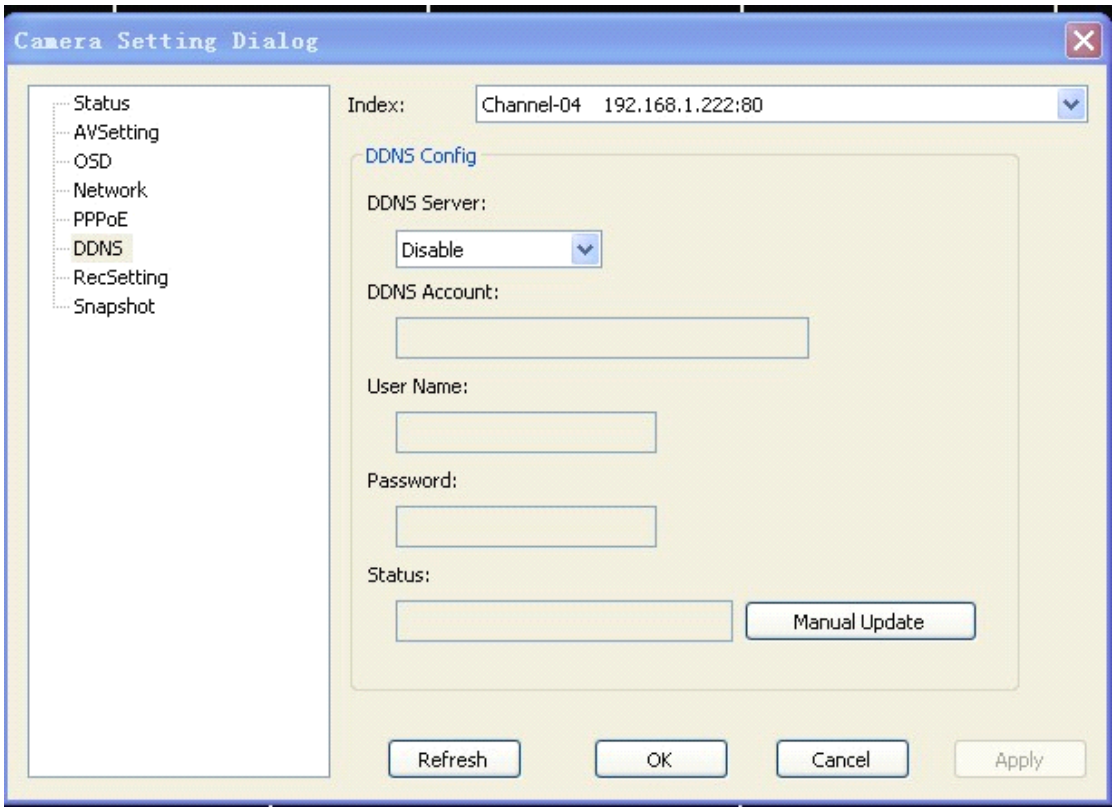
Password： Input the password provided by ISP。

Email Notification when IP is changed: While the ip address changed,whether Email notify users or not.

Status： When the connection is successful,we can see the Ip addres,DNS,connection status and other information provided by ISP in this area.

6. DDNS

In this function can set DNS services.if you need to use the DDNS services,you must register on the DDNS Server witch provided by us freely,otherwise you cann't use it. You can see about the related information on our website.



DDNS Server： Choose the DDNS Server you want to use,we are providing Dyndns and PeanutHull these two dynamic domain name services for your use.

DNS Account： For example,if you application is TestDyndnsOrg,then this is your account.

User Name： The UserName of your account

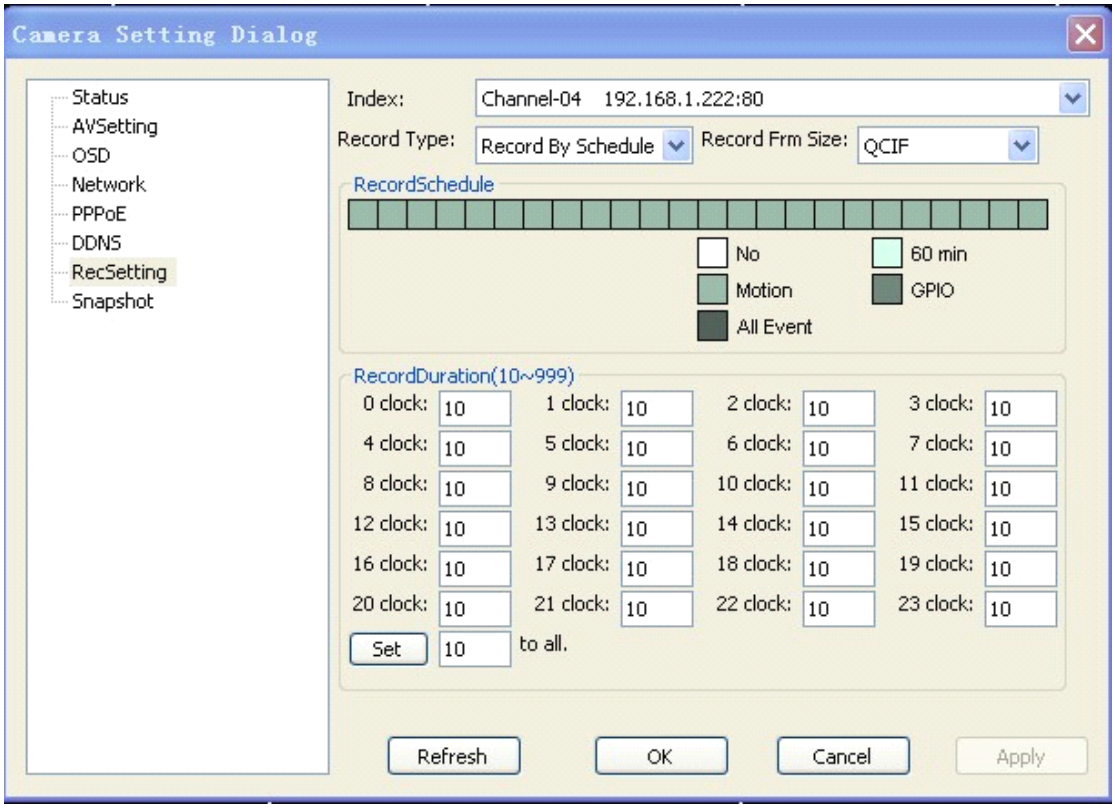
Password： The Password of your account

Status： Show the current connection status of DDNS

Manual_Update： Notify DDNS Server the IP address of your IPCAM manually

7. RecSetting

In this feature you can set the SD card storage。



Index： The number of the window.

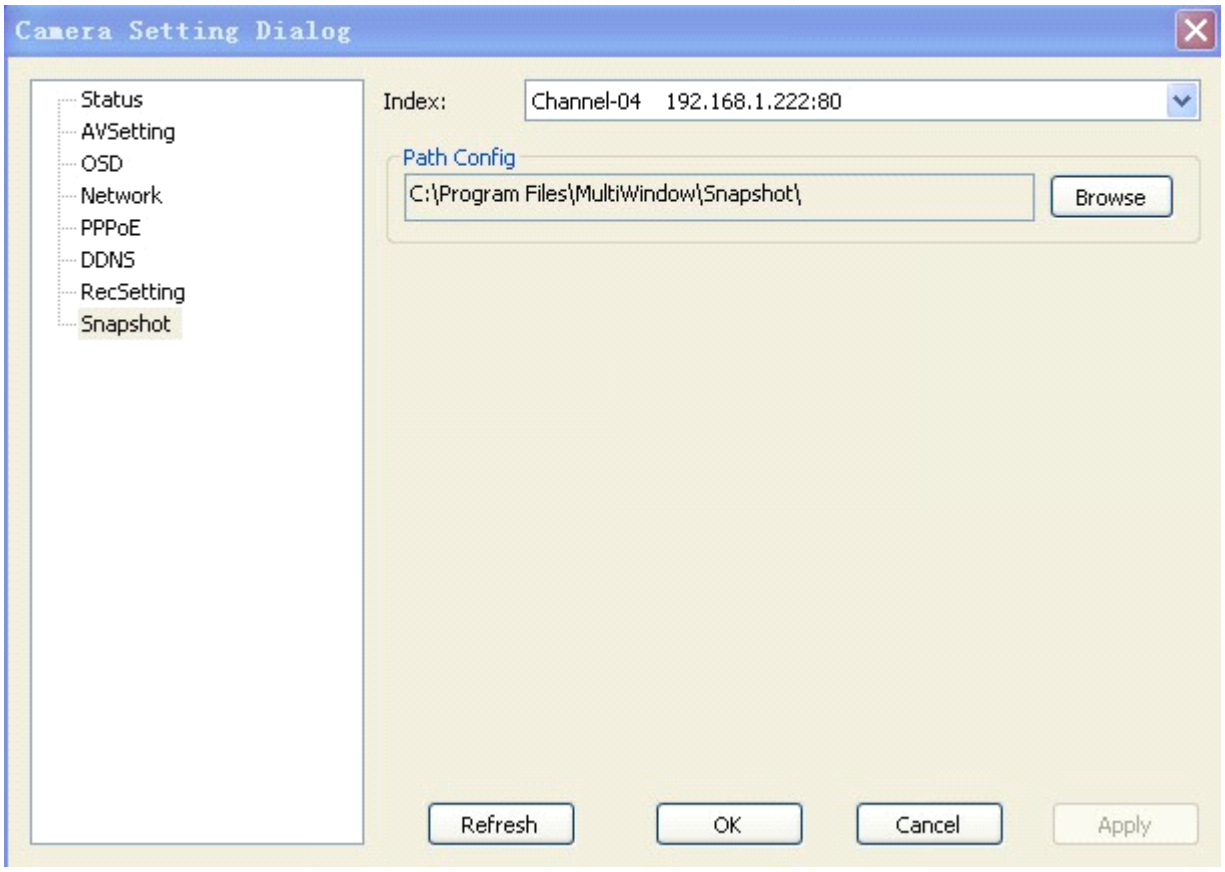
Record Type： Here is the video mode, is divided into Do not Record, Always Record, Record Schedule.

Record Firm Size： Set the resolution of video file size, Note:CIF,D1,QCIF,FREE。

Record Schedule： Event Log. Record the following model events: NO, 60 MIN, MOTION, GPIO, ALL Event.

Record Duration： Setting records the event time.
Range (10 ~ 999)

8. Snapshot

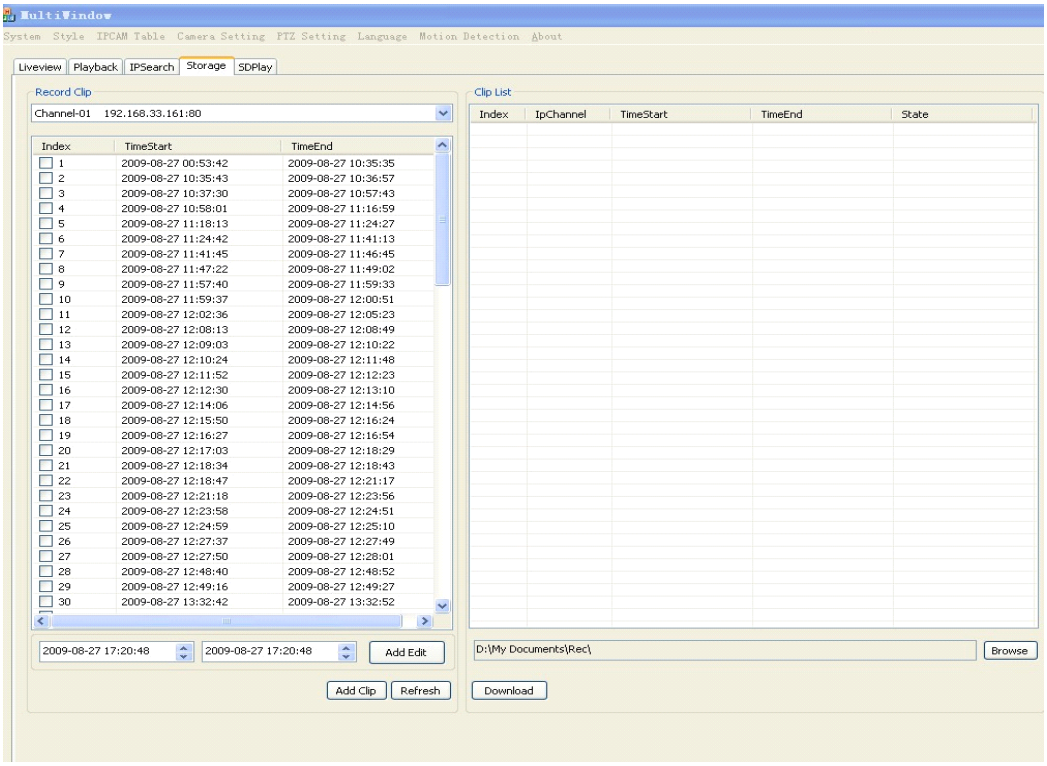


Path Config :

Index ： The number of the window.

Browse ： Choose to download video files stored path.

9. Storage



Record Clip ： SD card storage, the video window.

Index： Sequence of video files.

Add Edit ： Adding a certain period of time to download video files.

Add clip ： Select multiple video files to download.

Refresh ： Refresh.

Browse ： Choose to download video files stored path.

Download: Video file downloads. (Note: The downloaded file will show the progress)

Clip List ： Manage downloaded video files.

Index ： Download the file order.

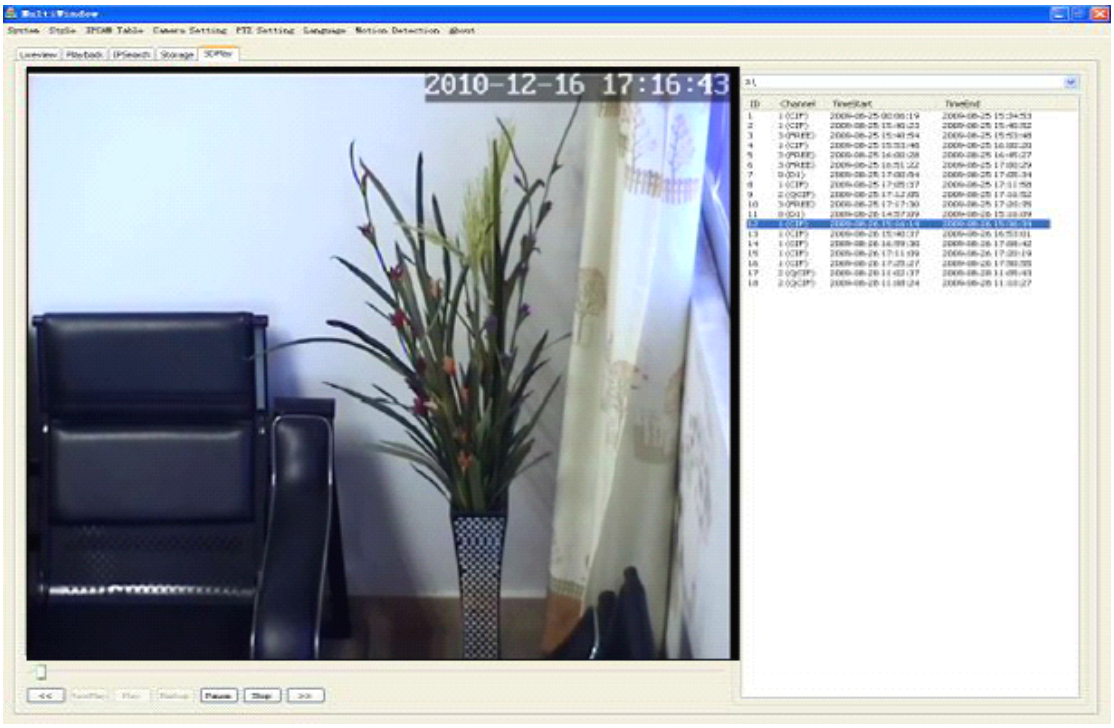
InChannel ： Display the downloaded video file window.

TimeStart,TimeEnd ： Download video start and end time

State ： The progress of video files to download.

10. SDPlay

Using the card reader read SD card playback.



Play button: Click on the file for playback.

Stop button: Click to stop file playback.

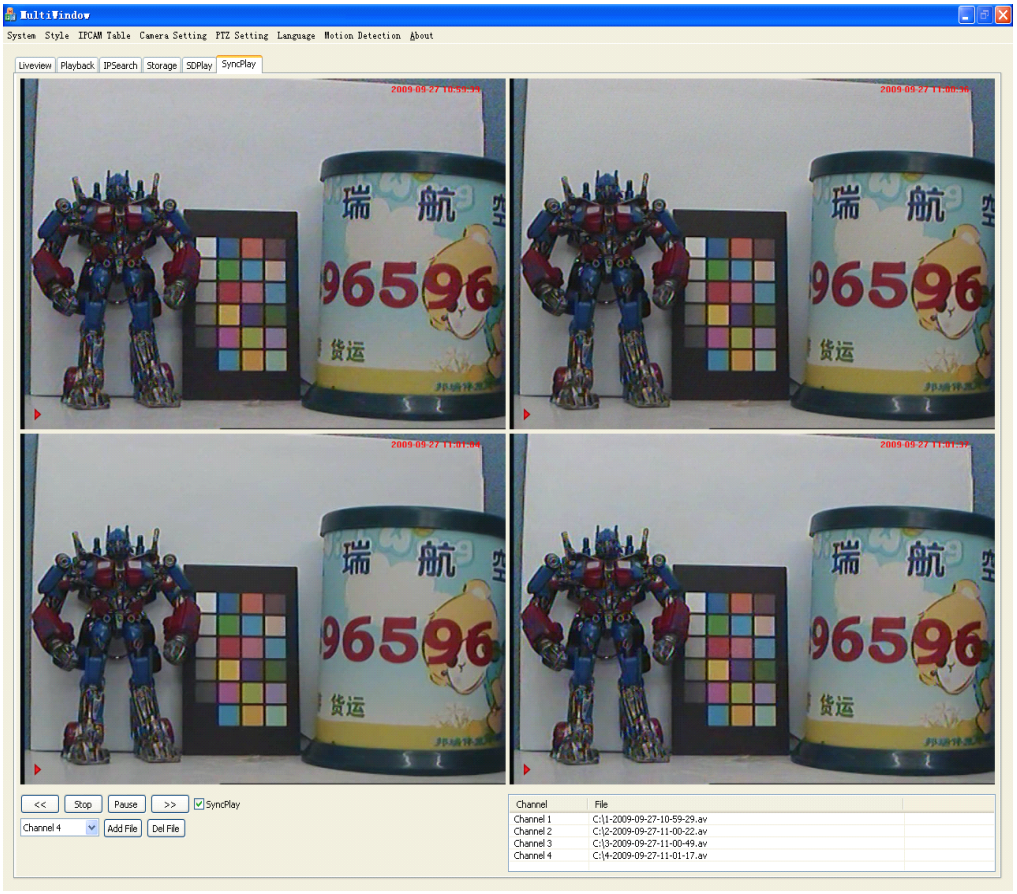
Pause button: Click to pause play the file.

“《,》”button: Play the file rewind, fast-forward.

RewPlay ： The file down broadcast.

BackUP ： Backup of the file. (Note: The backup format for AVI files)

11. Syncplay



Play button: Click on the file for playback.

Stop button: Click to stop file playback.

Pause button: Click to pause play the file.

“《，》”button： Play the file rewind, fast-forward.

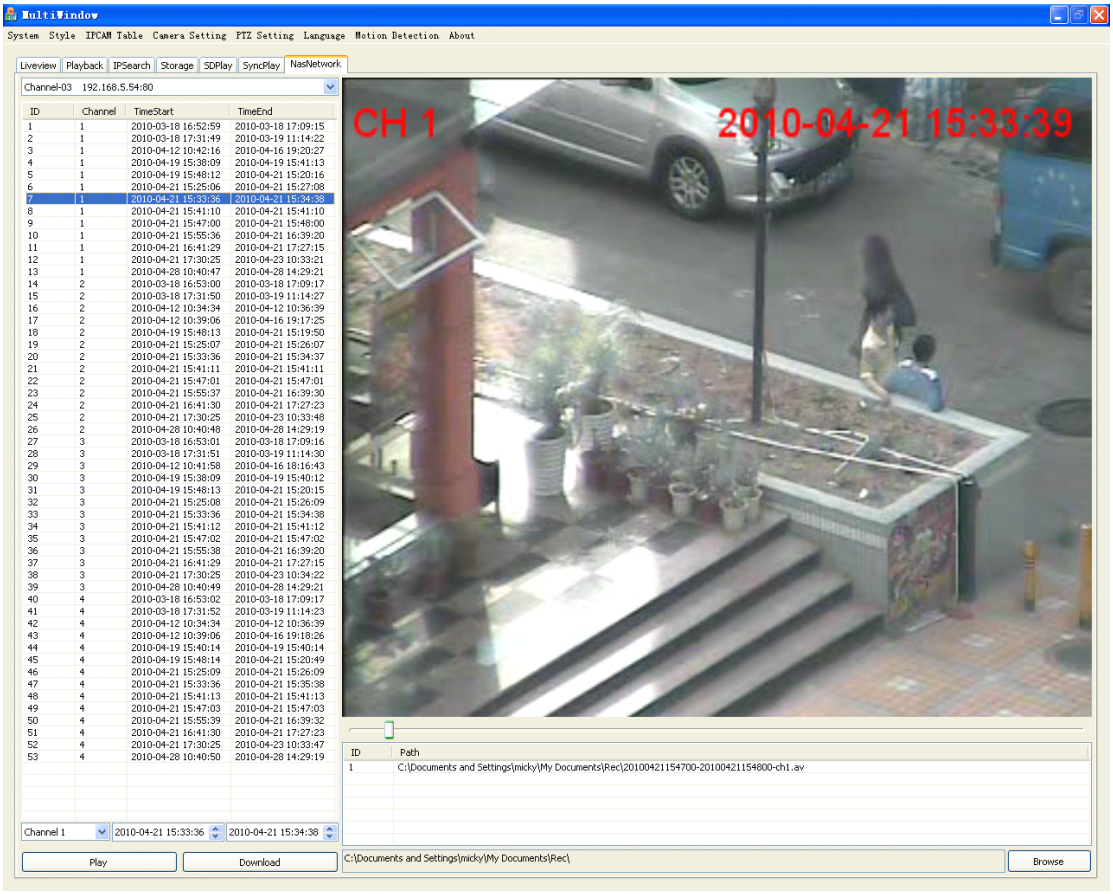
Add File: Adding Windows files

NOTE: You can also add four windows file playback.

Del File: Delete Windows files

Syncplay: Select "Syncplay" when the four windows can simultaneously playback; do not choose to "Syncplay" when the four windows can be synchronized playback.

12. Nas Network



Nas Network: Nas Ipcam device window

IP drop-down list to select Nas Ipcam of IP, video list on the left will list all the video of this Ipcam events, including the channel, start time, end time;

Left double-click the video event, the right side of the screen to a video broadcast of this event.

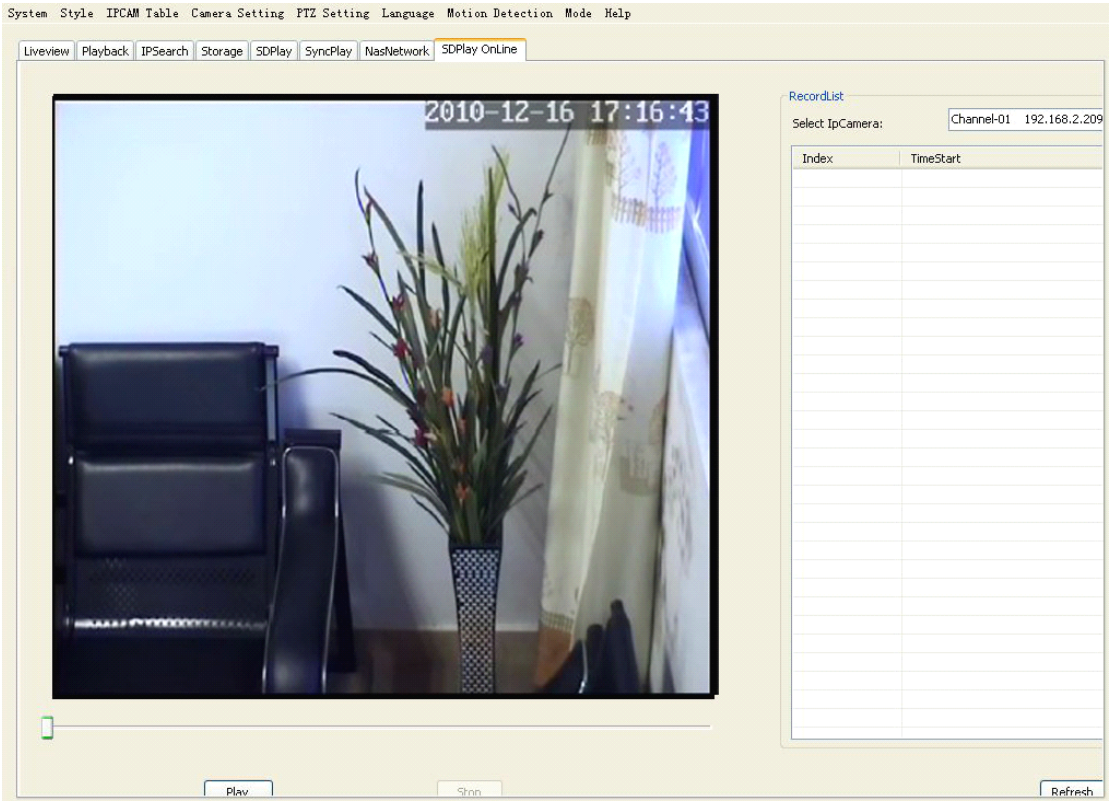
Right Double-click the video event that will download the video, download the complete path will be in the lower right corner displays the list of downloaded videos.

Or in the bottom left of the edit channel, start time, end time, and then point the play button or download button to play or download.

Left double-click the downloaded videos will play the downloaded video.

Click the Browse button to change the download directory path.

13. MJPG SD



MJPG SD Card: MJPG Ipcam SD card device window

IP drop-down list select the PC's SD card inserted, the left will list the video card list all the video events, including the channel, start time, end time;

Left double-click the video event, the right side of the screen to a video broadcast of this event.

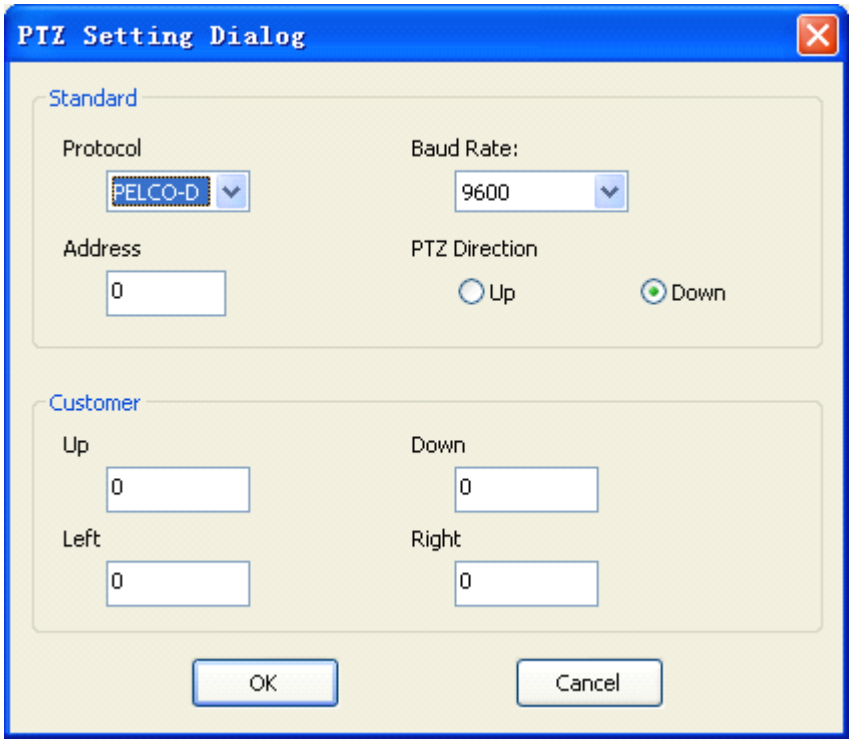
Right Double-click the video event that will download the video, download the complete path will be in the lower right corner displays the list of downloaded video.

Or in the bottom left of the edit channel, start time, end time, and then point the play button or download button to play or download.

Left double-click the downloaded videos will play the downloaded video.

Click the Browse button to change the download directory path.

6.14. PTZ Settting



Standard:

Protocol: Default protocol(PELCO-P and PELCO-D)

Baud Rate: Baud rate

Address: Address

PTZ Direction: To exchange the positon of the PTZ when the real complexion and the operation in an opposite direction

Customer:

Up: Up

Down: Down

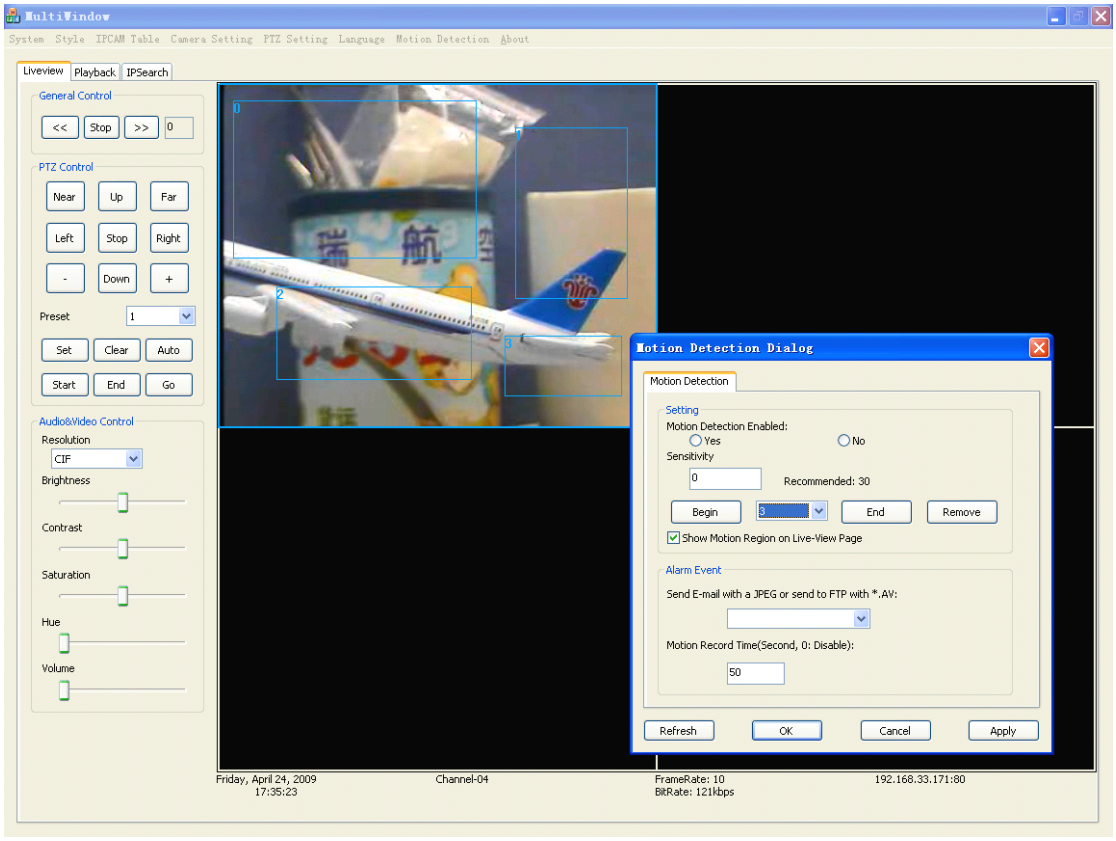
Lefe: Left

Right: Right

6.15. Language

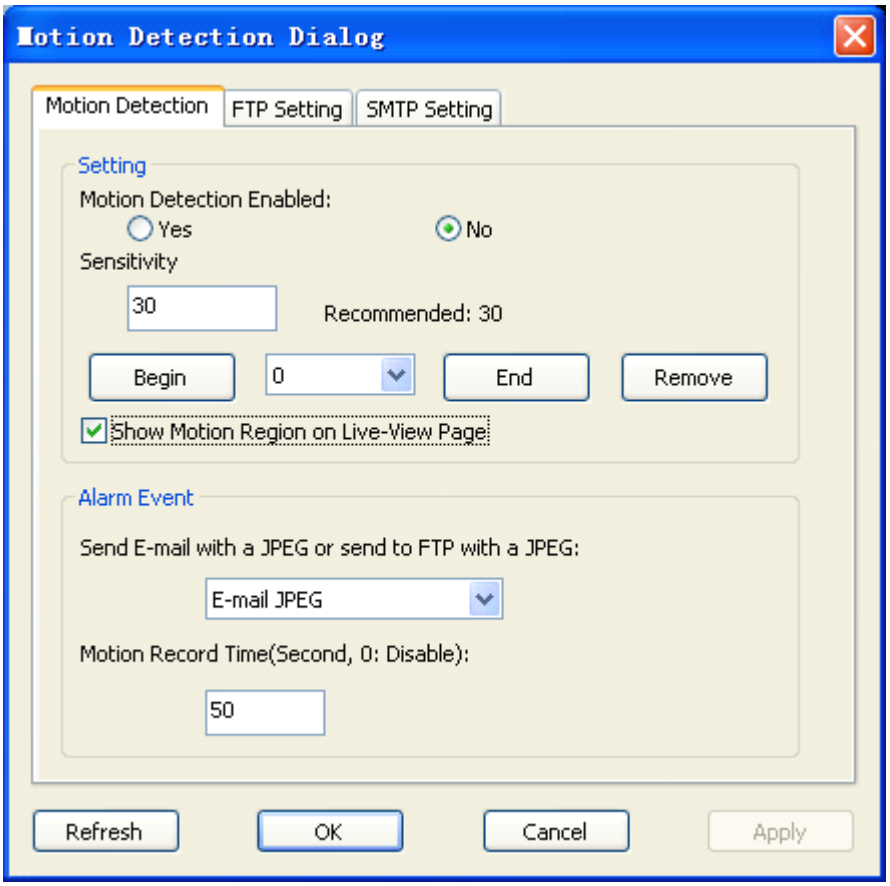
Multi-Language Support.

6.16. Motion Detection



Note：this feature is only valid when channel playing

1. MotionDetection



Setting:

Motion Detection Enabled: Is EMD feature opened

Begin: Begin Paint MD Region

End: End MD Region

Remove: Remove MD Region

Sensitivity: MD Sensitivity

Show Motion Region on Live-View Page:

Alarm Event:

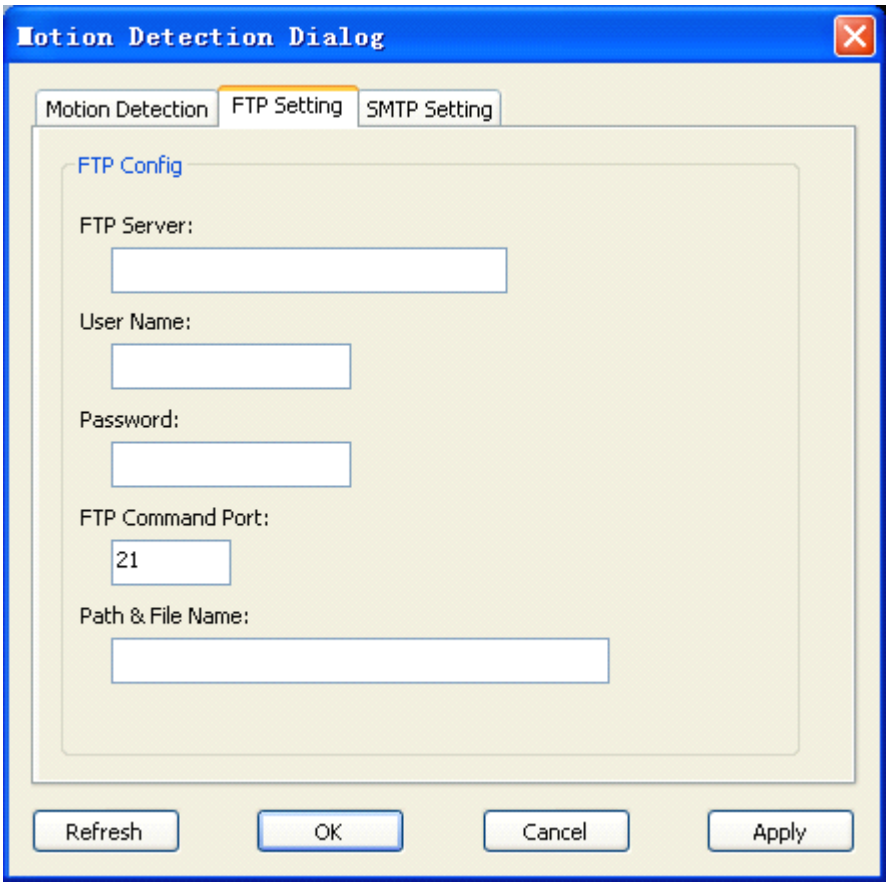
Send E-Mail with a JPEG or Send to FTP with a JPEG:

Feedback when EMD Alram Event

Motion Record Time:

Motion Record when EMD Alram Event

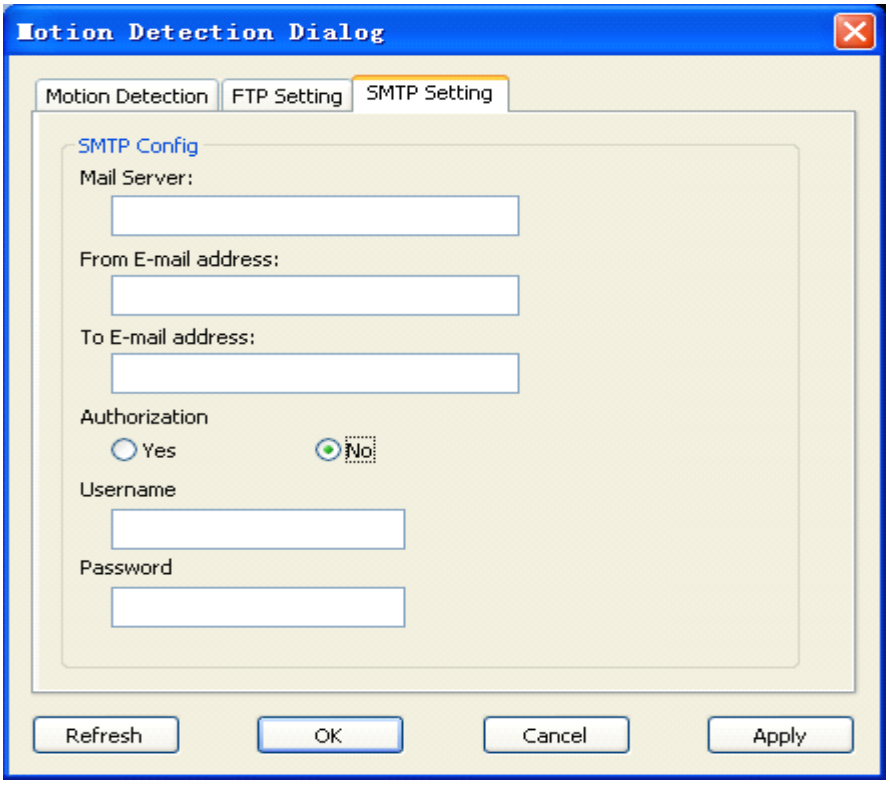
2. FTP Setting



FTP Server: FTP Server Address
User Name: FTP Account Username
Password: FTP Account Password
FTP Command Port: FTP Command Port
Path & File Name: FTP Server Update Path

Note: this feature provide the "FTP *.jpg" Alarm Event

3. SMTP Setting

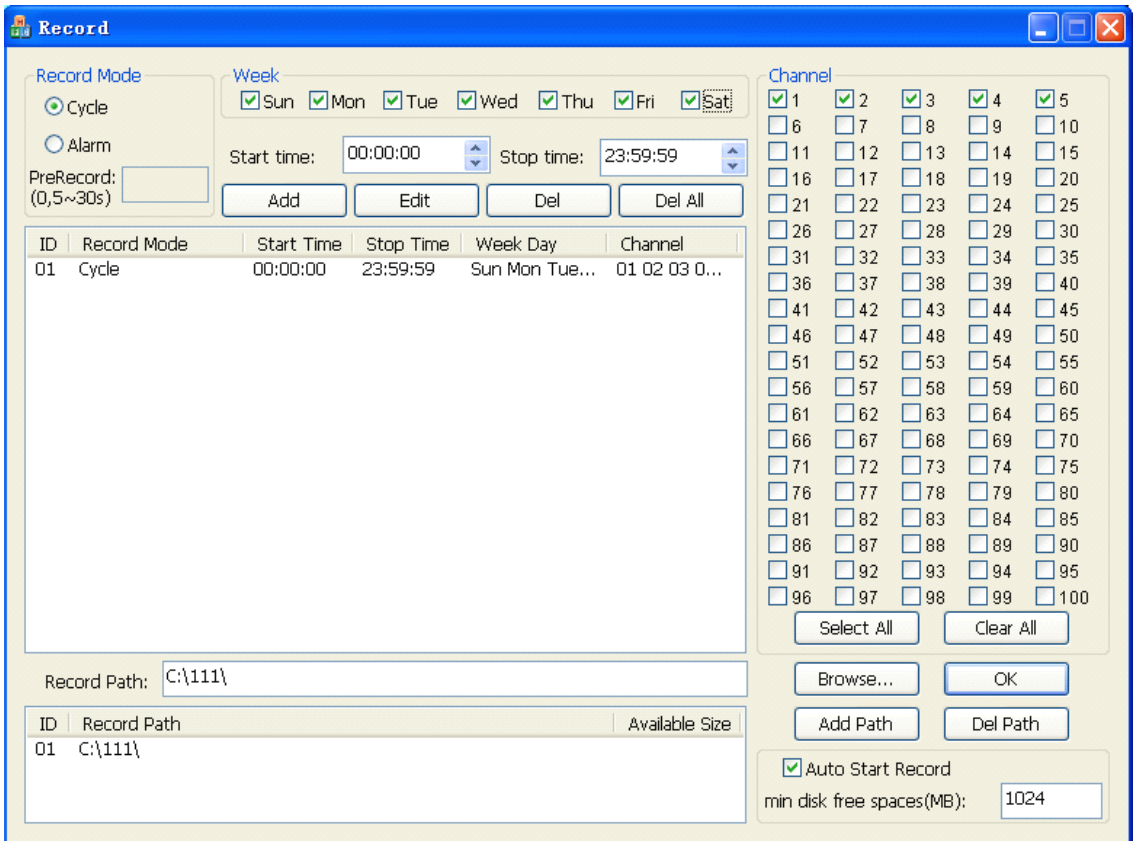


Mail Server:	Mail Server Address
From E-mail Address:	Send Mail Account Address
To E-mail Address:	Receive Mail Account Address
Authorization:	Send Mail Server is need Authorization
Username:	Send Mail Account Username
Password:	Send Mail Account Password

Note: this feature provide the "Email-JPEG" Alarm Event

6.17. Record

Record Interface:



Week: Choose the Record Week Time

Start Time: The start time of the record file

Stop Time: The stop time of the record file

Add: Add the imformation of the record (Time region,channel and so on)

Del: Delete the Record Imformation which is seleted in the list

Del All: Delete all of the Record Information

Channel: Select the channel which you need to record

Select All: Select all of the channel

Clear All: Clear all of the selected channel

Auto Start Record: Auto to record the file

Record Path: The save path of the record file

Add Path: Add save path, when the residual disk spaces less than the Min disk free spacees, switch to next path to contimue save the record file

Del Path: Delete the save path of the record file

Disk:

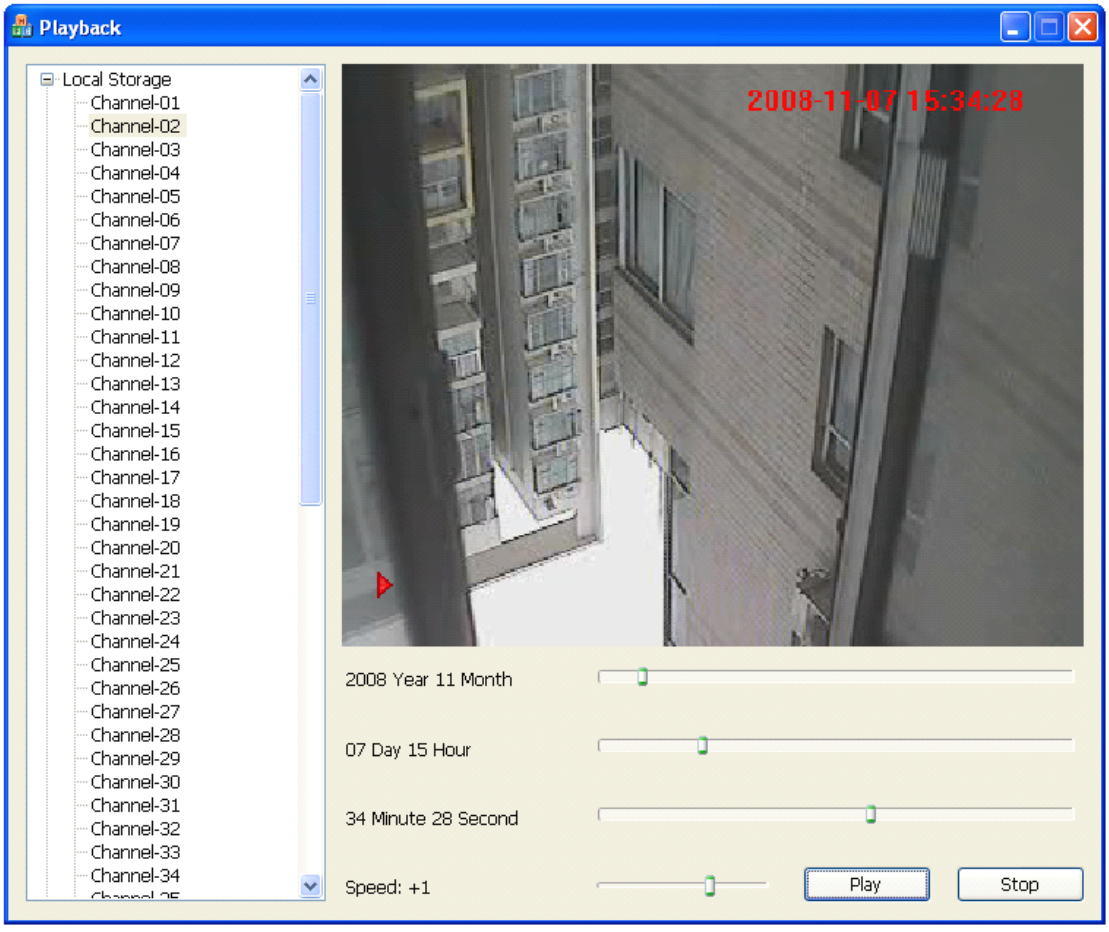
Auto Delete The Earliest File: System will delete the earliest record file when the residual disk spaces less than the min disk free spaces

Auto Change Record Path: System will auto change the save path of the record file when the residual disk spaces less than the min disk free spaces

Min disk free spaces(MB): The action above will be happened when the residual disk spaces less than the min disk free spaces

6.18. Playback

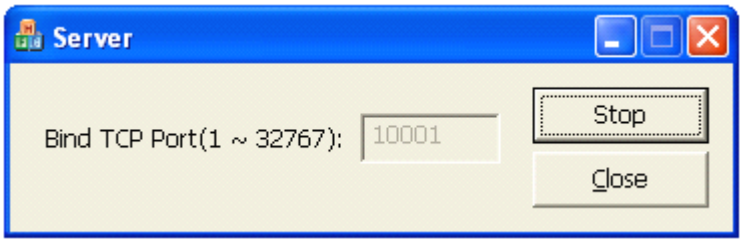
6.18.1. Local Storage Interface:



User need to choose a channel then playback the record file which is close to the schedule

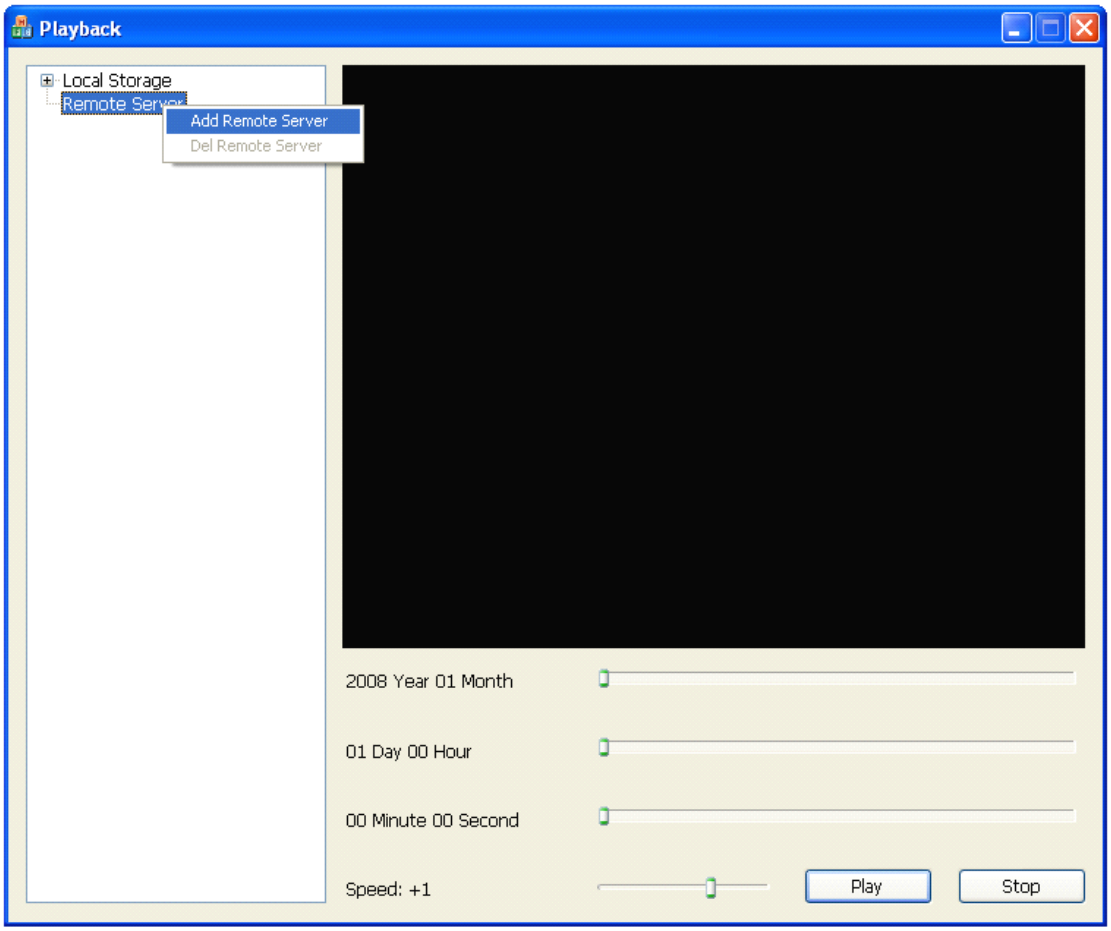
6.18.2. Remote Playback Interface:

1. Function Remote server

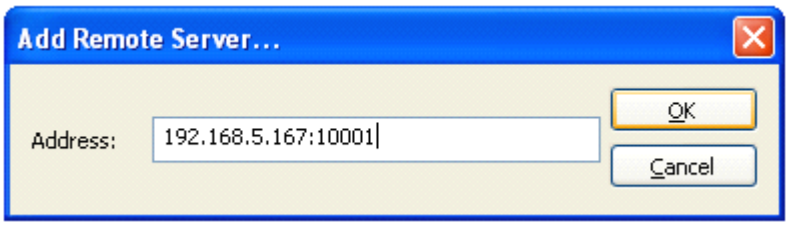


Input a TCP port and click the “Start” button to turn on the Server.

2. Add Remote Server

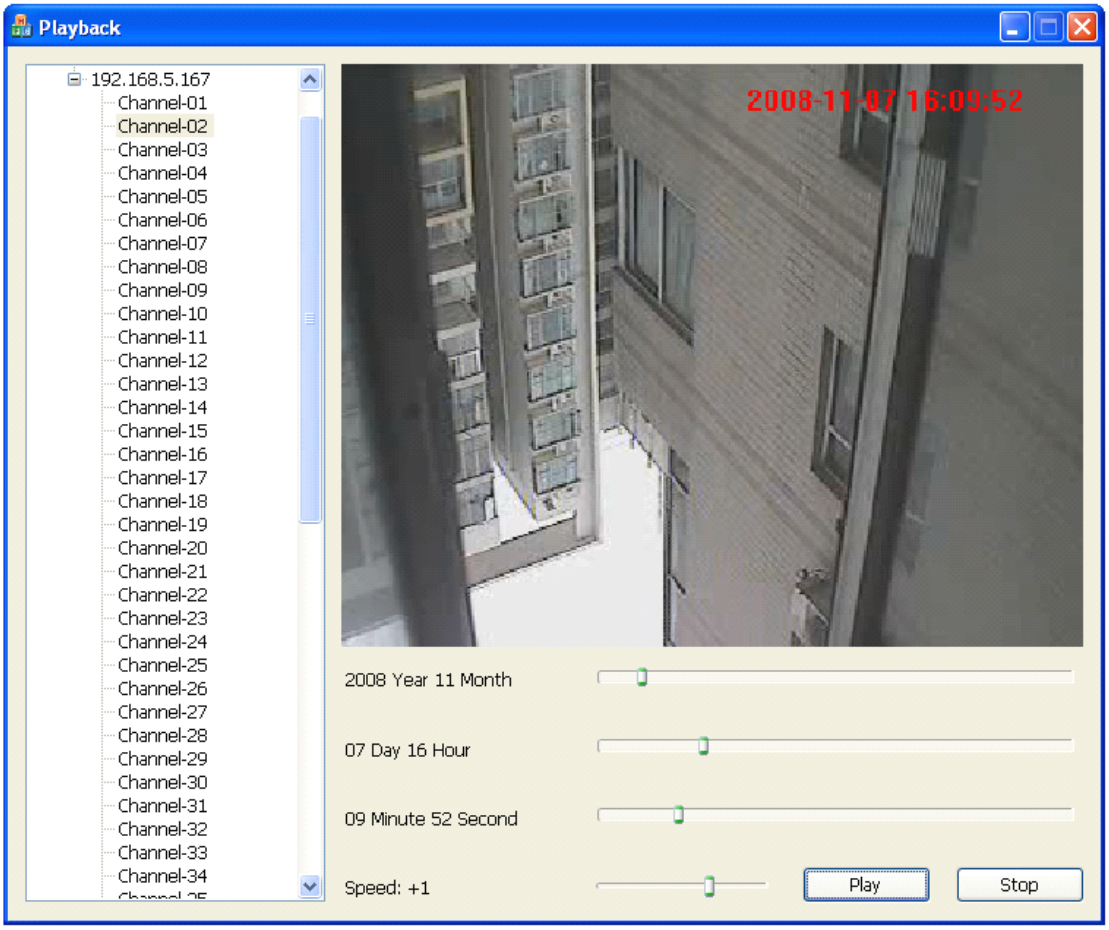


Right-Click to add remote server



Input the remote server Ip and port

3. Playback the Remote Record



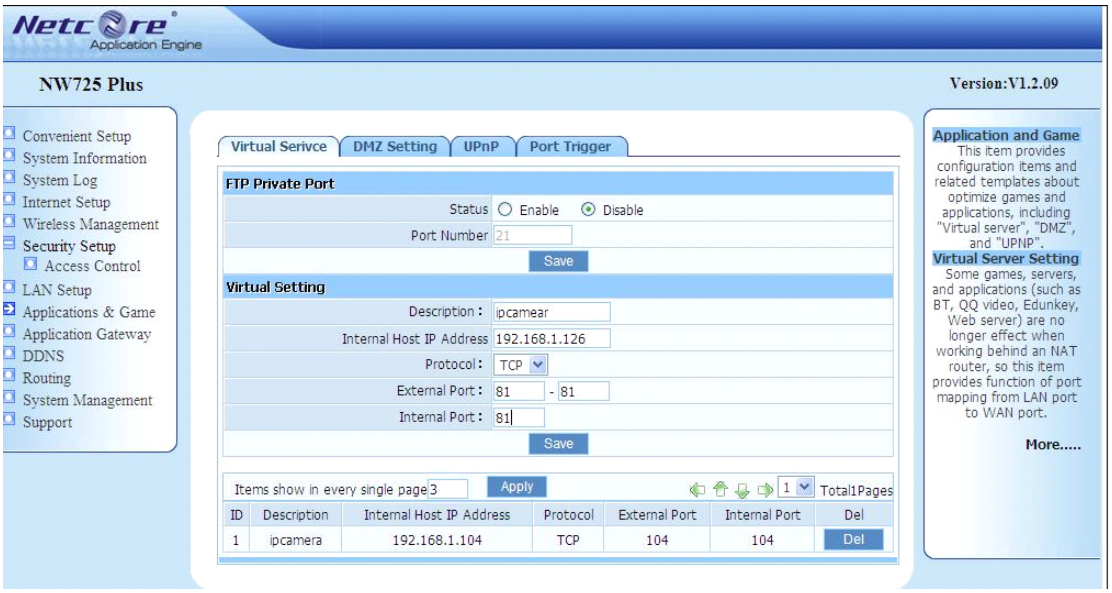
①User need to choose a channel then playback the record file which is close to the schedule

②It can jump play by hold down and drag the schedule over the operation

7. PORT FORWARDING

According to picture 3, we can access camera-1 through computer-1, in order to enable computers in internet(such as computer-2, computer-3) to access camera-1, it need to set the camera exposing in internet through configuring port forwarding in router-1 to set the camera to be available to access internet.

Access router configuration interface through computer-1, for different model of router it has different interfaces. Hence the configuration ways are some different, please refer to router's manual. For most routers, we can find option as virtual server settings, input camera-1 IP address and port. As below:



Notice: for more IP Camera devices, it needs to set port forwarding for each one, and as distinguishable, we should set different IP and port for each device. If the port is not 80, we should access device by adding a ":" and device port behind the IP address, such as:http://219.134.170.92:81

8. APPENDIX

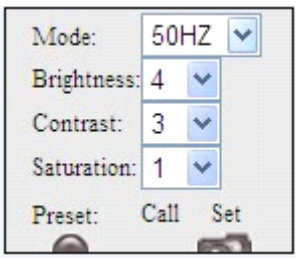
8.1. FAMILIAR PROBLEM

❖ What could we do when forgot the login password?

On power condition, press reset button (on the device bottom) till 10 seconds, then device is set to factory settings, including administrator user and password.
Default user: **admin**
Default password: no password

❖ What could we do when the view screen is white?

Please adjust video parameters of camera (mode, brightness, contrast, saturation, etc.).



If the back light is too strong，please adjust the monitoring angle

❖ **Why the camera finder can not search device?**

Please check whether the device and camera finder are in the same local network; and cable or power problem will cause such problem【 normally，power lens （yellow）is always on, network lens（green）is always flashing】; and the firewall will block the software to run too.

❖ **Why the device can not access from remote location?**

1）Does it can access via LAN? if it is available, then check the access user and password;

2）Check the port forwarding in router;

3) For remote access, the device should be set as a virtual server to wide area network; does the router provide an external IP for port forwarding?

8.2. WARRANTY

a) Free warranty one year. In free warranty time, to enjoy free warranty service with warranty card (not for man-made damage). Over warranty time, it needs to pay for maintain cost.
b) For improper use caused or other reason or no warranty problem, it enjoys free maintain but paying for parts exchange.
c) Send product with warranty card to manufacturer or seller for maintain.
d) Privately open device shell and tear up seal affixed label are not in warranty permission.
e) Device with modification or extra-installation function is not acceptable.

The following circumstances without warranty

a) Normal wear and tear caused periodic check, maintains or parts exchange.
b) Damage caused by fall, squeezing, man-made flooding, damp and other man-made reasons.
c) Damage caused by disaster or human-unstoppable reasons.
d) Device maintained by non-authorized repair centers.

About above listed, modifying refers to relating rules.

8.3. WARRANTY CARD

Please cut the below form for information and return with device

Product model		
Manufacture date		
Client agency		
User name		
User address		
Contact (TEL/mobile phone)		
maintain time	Problem details	result
note:		

Please cut along the dotted line