# Sumpple

# Indoor Wireless/Wired HD Baby P2P Network Camera

Pro.

# (with H.264 image compression)



Model: S822 Instruction Manual

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# **1. INTRODUCTION**

This user manual will show the details to set up your camera with your computer; if you are viewing with a Smartphone, pls check Quick Start Guide, as it is very easy to set up.

#### **IMPORTANT NOTICE**

The various screens throughout this owner's manual will look different depending on the browser you use. Full functionality is available when using Internet Explorer (IE) with ActiveX (OCX) installed. Limited functionality is available with other browsers, such as Safari, Chrome, and Firefox.

#### Please Read this manual carefully, according to the browser you are using.

This is an integrated wireless IP Camera. It combines a high quality digital Video Camera with network connectivity and a powerful web server to bring clear pictures to your Desktop from anywhere on your local network or over the Internet.

The main function of the camera is to transmit remote video over IP network. The high quality video image can be transmitted with 30fps speed on the LAN/WAN by using H.264, MJPEG compression technology.

It is based on the TCP/IP standard, build-in WEB server which supports Internet Explorer. Therefore the management and maintenance of your camera becomes simple by using the network to achieve the remote configuration, start-up and to upgrade firmware.

You can use your Camera to monitor your home or your office. Also, controlling and managing images are simple by visiting the web site.

## 1.1 Features

- $\Leftrightarrow \ \mathsf{Powerful} \ \mathsf{high}\mathsf{-speed} \ \mathsf{video} \ \mathsf{protocol} \ \mathsf{processor}$
- ☆ High-sensitivity 1/4" CMOS sensor
- ☆ Picture total 1000K pixels (1megapixel)
- ☆ Supports Pan and Tilt (PT) control, Pan 320°, Tilt 120°
- ☆ Optimized H.264 MJPEG video compression for transmission
- ☆ Multi-level user management and passwords definition
- ☆ Embedded Web Server for users to visit by IE
- ☆ Supports wireless network (WI-FI/802.11/b/g/n)
- ☆ Supports Dynamic IP (DDNS) and UPNP LAN and Internet (ADSL, Cable Modem)
- $\bigstar$  Gives an alarm in case of motion detection
- ☆ Supports image snapshot
- ☆ Supports multiple protocols: TCP/IP HTTP DNS DHCP PPPoE SMTP FTP SSL TFTP NTP ARP/RARP NFS RTSP RTP RTCP.
- ☆ Supports WEP/WPA/WPA2 encryption
- ☆ Supports IE, Firefox, Safari, and Google chrome browsers

## 1.2 Packing List

- Baby Camera
- Wi-Fi Antenna
- Quick Setup Guide
- DC Power Supply
- CD
- Network Cable
- Mounting
- Sensor connector

## 1.3 Product Views

## 1.3.1 Rear View



Wireless Antenna: WI-FI Antenna (rotate to vertical position as shown above).

Infrared LEDs: infrared LEDs with 15 meters night vision.

LENS: Magepixel lens.

Network Interface: RJ-45/10-100 base T.

**Network Light:** The green LED will be on when the network is connected, the yellow LED will blink when data is transferred.

**Reset:** If you press and hold the RESET button for about 10 seconds, all the parameters will be set back to the factory default settings. (Please keep the power on when doing a RESET).

## 1.4 PC System Requirements

System configuration requirements: CPU: 2.06 GHZ or above. Memory: 256M or above. Network Card: 10M or above. Display Card: 64M or above memory. Recommended Operating system: Windows XP, Windows Vista, Windows 7.

## 1.5 Hardware Installation

Follow the steps below to set up your camera hardware.

- 1. Install the Wi-Fi antenna.
- 2. Plug the power adaptor into the camera and into an AC outlet.
- 3. Plug the network cable into the camera and router/switch.
- 4. It takes approx 30 seconds to boot up the camera, then you will find the IP address from "IP Camera Tool" (Figure 2.1.5).
- 5. When the power is on and the network cable is connected, the green LED on the rear panel will stay on.

The yellow LED will keep flashing, and the Indicator LED on the front of the camera will flash.

# 2. INSTALLATION AND SETTINGS

#### System Requirement:

Operating System: Windows 2000 / XP / Vista / 7

Network Protocol: TCP/IP

Network Structure: Applies to all network connections 10/100M LAN platform

Browser: Internet Explorer 6.0 or above. Firefox, Google, Safari, or Chrome.

## 2.1 Network Connection

#### Intranet and Extranet Connection Reference:

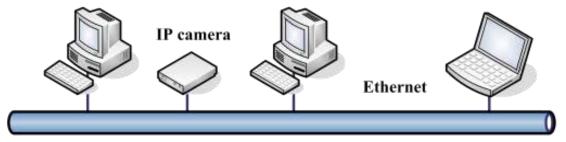
Extranet means public IP (i.e. The Internet), Intranet means private IP. If your IP belongs to the follow range, then it's a private IP :

Category A: 10.0.0.0 - 10.255.255.255

Category B: 172.16.0.0 - 172.31.255.255

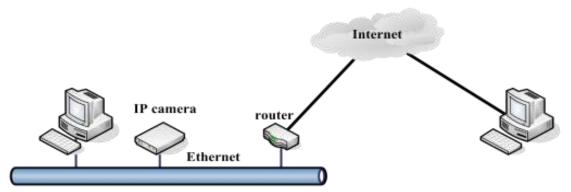
Category C: 192.168.0.0 - 192.168.255.255

**Intranet Connection**: The IP camera and your computer (device) should be under the same network environment, and both of the IPs should be under the same subnet, pictured as below:

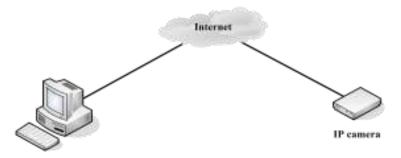


Extranet Connection: there are 2 ways as below:

(1). IP camera connects to the Internet via a router, here camera's IP is a private IP, client needs to connect to the IP camera through a router, with port forwarding to be connected correctly, as below:



(2). IP camera connects to the Internet directly, if it's a fixed IP provided by your ISP, just input it. If it's a floating IP, then input the account and password provided by your ISP to dial-up connection.



## 2.2 Browser Settings (For IE only)

OCX will be downloaded automatically when you login to the IP Camera, but you might have to set the IE browser to enable the OCX to be downloaded automatically after signing in. Steps as below:

1. Close the firewall of your computer.

2. Change the ActiveX settings, "IE" browser > "Tool" > "Internet Options" > "Security"> "Custom Level" >

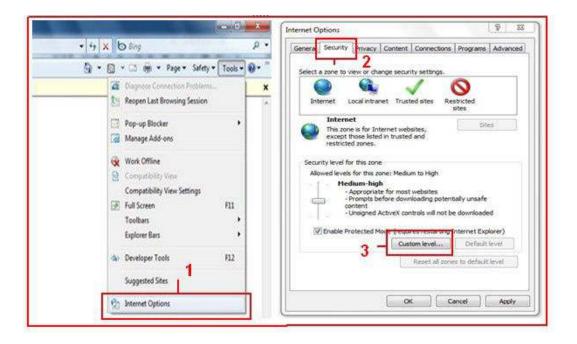
"ActiveX control and Plug-ins", all the ActiveX options set to be "Enable":

Especially:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plug-ins



curity Settings - Internet Zone	Settings
Settings  ActiveX controls and plug-ins  ActiveX controls and plug-ins  Disable  Reset uston settings  Reset to:  Medum-high (default)  Reset  Reset	Deplay video and animation on a webpage that does not use     Devalue     Devalue
OK Cancel	5 - OK Cancel

You can also click "Start" menu->"Internet Explorer", and choose "Internet attributes", or via "Control Panel" ->"Internet Explorer", to access Security settings.

**NOTE**: Make sure that your firewall or anti-virus software doesn't block the software or ActiveX. If you couldn't see live video, please close your firewall or anti-virus software, and try again.

## 2.3 UPnP Service

UPnP could help you to find your camera's IP more quickly. For Window XP, from "Control Panel" > "Add or remove applications" > "Add or remove Windows component" > "Network service" > "Detailed data" > "UPnP users interface", the factory default settings is disabled. Enable it, then it can allow your operating system to support UPnP.

Alternatively, you can also click "**Start**" menu>"Internet Explorer", and choose "Internet attributes", or via "Control Panel" >"Internet Explorer", enter to Security settings.

## 2.4 IPCam IP Address Search Tool (for IE browser only)

) 🕗 🚽 🕨 rbini		✓ ¥ <sub>9</sub> Search rbin.	
Organize 🔻 🛛 Inclu	de in library 🔻 Share with 🔻 New f	older	i 🔹 🖬 🌘
🚖 Favorites	Name	Date modified	Type Si
Marktop	SearchIPCam	2010/7/23 17:27	Application
🚺 Downloads 🔢 Recent Places	E SearchIPCam	2010/8/3 11:59	Configuration sett
🕞 Libraries			
Documents Music			
Pictures			
Videos			
2008	₹ .	111	

Step 1: Use tool "SearchIPCam.exe" to find IP address of LAN.

Step 2: Double click "**Search IPCam**" on your desktop, the camera's IP & MAC address will be displayed. If you want to search again, click "**Search**".

Network Adapt	er . Incarter ici	e FE Family Controller			<u>*</u>
Name	IP Address	MAC Address	Gateway	Web Port	Data Port
IP CAMERA IP CAMERA	192. 168. 1. 156 192. 168. 1. 204	00:EA:21:63:84:BE 00:62:6E:43:1B:53	192, 168, 1, 1 192, 168, 1, 1	13900 204	38900 38401

Step 3: Double-click the IP address of your camera to enter the login interface.(default user: admin; password: sumpple)

Sumpple		NETWORK CAMERA
	Password	
	Language English v	
	Logn	

## 2.5 Install the OCX ActiveX (For IE only)

Install the OCX ActiveX for the first time login; You will get tips after enter user and password in login page. Download the OCX file, then double click to install it automatically.

After OCX installed fully, then input the user and password to login the camera.

# 2.5.1 For other Browsers, e.g., Safari, Firefox, Chrome, there is no need to install the ActiveX control, see below:

User can input the ip address in the other broswers, select the view mode such as Server Puch; VLC, Quick time to view

If User can not find the correct IP address, The default IP address for each camera is 192.168.1.155. You can run the browser, and input the IP address directly into your browser to login to the camera.

**NOTE**: If the IP segment of the computer is different from the camera, such as 192.168.0.xx, please change the IP segment of the computer's to the same as camera's, such as 192.168.1.xx, then connect the IP Camera to the computer via network cable directly, run the browser, input the IP address and the login screen below will pop-up:

umpple		NETWORK CAME
	Username	
	Password	
	Mode Server Push	
	Language English	
	Login	

# **3. SOFTWARE OPERATION**

## 3.1 Software operation for IE Browser

Choose your desired language, input correct user name and password, then click "**Login**" **User name**: admin **Password**: sumpple,



# 3.2 Software Operation For Chrome, Firefox, Safari:

Choose the suitable language, input correct user name and password, then click "**Login**" **User name**: admin **Password**: sumpple

Sumpple		NETWORK CAMERA
	Username Password Mode Server Push Language English	
Mode Server Push		

Language QuickTime

Choose the login mode.

**QuickTime**: Choose QuickTime, login to the camera directly. if there is prompt for installing the QuickTime player, just download and install it.

Sever Push: For Firefox, Chrome, or Safari browser.

**VLC**: If you use VLC, should download the VLC player first.

During the VLC installation, you must enable Mozilla plug-in as the picture shows below:

Check the components you v install. Click Next to continue	vant to install and uncheck the components you don't wan	t to
Select the type of install:	Custom	~
Or, select the optional components you wish to install:	<ul> <li>Media Player (required)</li> <li>Start Menu Shortcut</li> <li>Desktop Shortcut</li> <li>Mozilla plugin</li> <li>ActiveX plugin</li> <li>Jiscs Playback</li> </ul>	
Space required: 80.3MB	Description Adds icon to your desktop for easy access	



Figure 2.3

## 3.3 Functions

# 3.3.1 Three main functions (For IE):

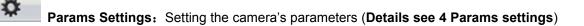
Sumple

Live video: Click it, back to live video window from "Playback" or "Params settings"
Playback: Click to query and playback the video files (Details see 5 Playback)
Params Settings: Setting the camera's parameters (Details see 4 Params settings)
Temperature: Temperature details around the camera will be showed here after temperature sensor connected.
Humidity: Humidity details around the camera will be showed after humidity sensor connected.

# 3.3.2 Two main functions (For Safari, Chrome, Firefox)



Live video: Click it, back to live video window from "Playback" or "Params settings"



**Temperature**: Temperature details around the camera will be showed here after temperature sensor connected.

Humidity: Humidity details around the camera will be showed after humidity sensor connected.

Log out: you will back to the login page

Log out: you will back to the login page

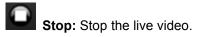
## 3.4 For Live Video (for IE browser)

#### 3.4.1 Video Menu:



igodot

**Play:** Play the live video.



Snapshot: Click to take snapshot, the picture be saved in the PC to its appointed path as JPG format, and pop-up the prompt as below:(you can click "Save" to save the snapshot)



8 Record: Click to start record manually, the icon will change to green color. Record file will be saved in the PC to its appointed path as AVI format. Click it again, will stop record function.

 $\bigcirc$ Audio: Click it to enable listen function, the icon will change to green color audio from camera via PC if audio is ON. Click it again, will stop listen function.

can hear the live

Talk: Click it to enable talk function, the icon will change to green color will change to green color camera if audio device connected. Click it again, will stop talk function.

Clear Alarm: Click to stop the alarm manually when there is an alarm triggered, and pop-up prompt as

below:





Fullscreen: Click to get fullscreen view;

OSD Black OSD Settings: Click it will pop-up the OSD settings interface, including OSD Color,

Frequency, Image Mirror and Flip.

OSD	Black	~
Frequency	50HZ	~
Mirror	[	Flip

OSD: Means "On-Screen Display"

**OSD Color:** Including Disabled, Black, Red, Green, Blue, Purple, Gray, Silver, Yellow, Olive, Turquoise, White, Light Blue etc.

OSD	Silver	V
-	Disabled	
Frequency	Black	
Mirror	Red	
MILLOI	Green	
Flip	Blue	
TTTP	Purple	
	Gray	
	Silver	
	Yellow	
	Olive	
	Turquoise	
	White	
	Light Blue	

Frequency: Including 50HZ, 60HZ, Outdoor.

50HZ/60HZ for the users who use 50HZ/60HZ frequency, outdoor for the users who want to use this camera to monitor an outdoor environment (through a window).

NOTE: The camera should only be used in a indoor environment

Frequency	50HZ	~
Mirror	50HZ	
	60HZ	
	Outdoor	

#### **Mirror and Flip**

Mirror: Select this checkbox to see a mirror image. Uncheck it to go back to normal.

Flip: Select this checkbox to flip the image upside down. Uncheck it to go back to normal.

Frequency	50HZ	🗌 Flip
-----------	------	--------

**NOTE**: You can choose Mirror and Flip function if you set up the camera in a special position, upside down for example.

#### 3.5 Live Video for Safari, Chrome, Firefox:

#### 3.5.1 Play Menu For QuickTime Mode:



**Capture:** Click to take snapshot, the picture be saved in the PC to its appointed path as JPG format, will pop-up the snapshot, right click the picture to save it.



Fullscreen: Click to have fullscreen view;



: Click to exit fullscreen.

OSD	Black	*

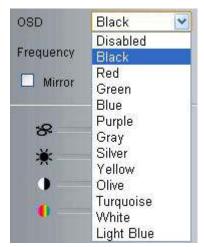
OSD Settings: Click it will pop-up the OSD settings interface, including

OSD Color, Frequency, Image Mirror and Flip.

OSD	Black	Y
Frequency	50HZ	~
Mirror	Ĩ	Flip

OSD: Means "On-Screen Display"

**OSD Color:** Including Disabled, Black, Red, Green, Blue, Purple, Gray, Silver, Yellow, Olive, Turquoise, White, Light Blue etc.



Frequency: Including 50HZ, 60HZ, Outdoor.

50HZ/60HZ for the users who use 50HZ/60HZ frequency, outdoor for the users who want to use this camera to monitor an outdoor environment (through a window).

NOTE: The camera should only be used in an indoor environment.

Frequency	50HZ	Y
	50HZ	
Mirror	60HZ	
	Outdoor	

#### **Mirror and Flip**

**Mirror**: Select this checkbox to see a mirror image. Uncheck it to go back to normal.

Flip: Select this checkbox to flip the image upside down. Uncheck it to go back to normal.

Mirror	🗌 Flip
	L Fup

**NOTE**: You can choose Mirror and Flip function if you set up the camera in a special position, upside down for example.

#### 3.5.2 Top Menu For VLC Mode:



This will be the same as 3.3.1 TOP Menu For QuickTime Mode.

#### 3.6 Left Side Menu:

#### 3.6.1 Left Side Menu For IE browser

There are some basic operation icons listed on the left side menu as below:

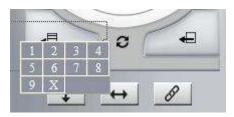


**PT Control:** Set Pan/Tilt as upward, downward, leftward, rightward, up-left, down-left, up-right, down-right, etc directions.

**Center:** Click this icon, the camera will pan/tilt, then stop at the center. Normally it will rotate 1 rotation.

**Up:** Click this icon, camera will move up, you can click one by one or hold it to control the movement.

**Down:** Click this icon, camera will move down, click it step by step or hold on to control the movement **NOTE:** It is the same operation as left, right, up-left, up-right, down-left, down-right etc.



Set Preset: It supports 9 preset positions. First, control the camera to rotate to the special position you

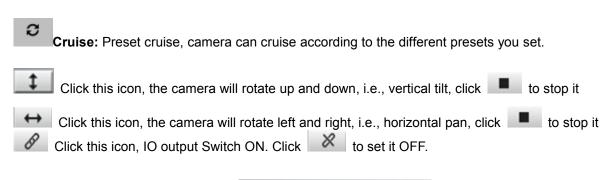
need to set, click **Set Preset** button it will pop-up a dialog frame (Figure 4.0), choose any number (1-9).

Call Preset: It supports 9 preset positions. If you want to monitor an important area quickly and

precisely, just click **Call Preset Position** button it will pop-up a dialog frame (Figure 4.0), choose the number, then the camera will rotate to the preset position automatically.

If you want to use Call Preset, you have to Set Preset first.

NOTE: if you set different positions with a same number, the camera will record the last position setting only.







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Click this one, you can view the main channel of the camera you login to, move the mouse to the

icon, the frame will change to red color



Click this one; you can view 4 Channels of cameras that are connected, from CH1 to CH4. Move

the mouse to the icon, the frame will change to red color



Click this one; you can view 9 Channels of cameras that are connected, from CH1 to CH9. Move

the mouse to the icon, the frame will change to red color

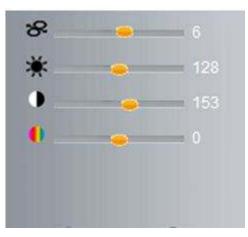
**NOTE**: If you want to view 4/9 channels, you should set the Multi-Device firstly (See section 4.13 Multi-Device Settings).



#### Music:

This product supports music feature, built-in 4 songs, suitable for baby.

What is more, You can upload music from your mobile to the camera. (Please note that: 1. Only support MP3 form; 2. You need to plug a TF card to the camera before using this feature. 3. Plug a TF card to the camera, you need to make sure the camera without power.)



**PTZ speed:** set value from 1 to 100, click the icon, it will change back to the factory settings.

Brightness: set value from 0 to 255, click the icon, it will change back to the factory settings.

Contrast: set value from 0 to 255, click the icon, it will change back to the factory settings.

Hue: set value from -128 to 127, click the icon, it will change back to the factory settings.

#### 3.4.2 Left Side Menu for Safari, Chrome, Firefox:

There are some basic operation icons listed on the left side menu as below:





**PT Control:** Set Pan/Tilt as upward, downward, leftward, rightward, up-left, down-left, up-right, down-right, etc.



**Center:** Click this icon, the camera will pan/tilt, then stop at the center. Normally it will rotate 1

rotation.

Up: Click this icon, camera will move up, you can click step by step or hold it to control the movement.

**Down:** Click this icon, camera will move down, click it step by step or hold on to control the movement.

**NOTE:** It is the same operation as left, right, up-left, up-right, down-left, down-right etc.



Figure 4.5

Set Preset: It supports 9 preset positions. First, control the camera to rotate to the special position you

need to set, click <b>Set Preset</b> button it will pop-up a dialog frame (Figure 4.5), choose any number
(1-9).
Call Preset: It supports 9 preset positions. If you want to monitor an important area quickly and
precisely, just click <b>Call Preset Position</b> button it will pop-up a dialog frame (Figure 4.5), choose the
number, then camera will rotate to the preset position automatically.
If you want to use Call Preset, you have to Set Preset first.
NOTE: If you set different positions with a same number, camera will record the last position setting only.
<ul> <li>Cruise: Preset cruise, camera can cruise according to the different presets you set.</li> <li>Click this icon, the camera will rotate up and down, i.e., vertical tilt, click to stop it.</li> </ul>
Click this icon, the camera will rotate left and right, i.e., horizontal pan, click to stop it.
Click this icon, IO output Switch ON. Click to set it OFF.
Music

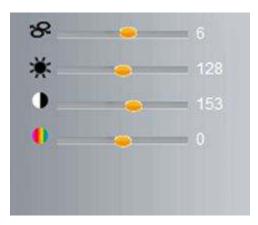
#### Music:

This product supports music feature, built-in 4 songs, suitable for baby.

listing

What is more, You can upload music from your mobile to the camera. (Please note that: 1. Only support MP3 form; 2. You need to plug a TF card to the camera before using this feature. 3. Plug a TF card to the camera, you need to make sure the camera without power.)

Baa Baa Blar -



#### Figure 4.6

**PTZ speed:** set value from 1 to 100, click the icon to go back to the factory settings.

X

**Brightness:** set value from 0 to 255, click the icon to go back to the factory settings.

**Contrast:** set value from 0 to 255, click the icon to go back to the factory settings.

**Hue:** set value from -128 to 127, click the icon to go back to the factory settings.

# 4. SETTINGS

## 4.1 Status----Device Info.

Click " Settings" icon select "Status", it will show the basic information such as "Device ID", "Device Client Version", "Device System Version", "Description", "IP Address", "UPNP Status", "DDNS Status" etc.

Default device name is "IP Camera", users can change the camera's description here, picture as below:

#### 4.1.2 For IE, camera will show as below:

Status		100 D	
Device Info		Device 1	Info
Setup =			Save Refresh
Network Settings	Device ID	54COEE0123AC	
Video	Device Client Version	71.1.1.1	
Alarm Settings	Device System Version	80.3.4.0005	
Record			
Cruise	Description	IP CAMERA	
System	IP Address	192 168.4 142	
	UPNP Status	Fal	

Figure 4.7

#### 4.1.3 For Safari, Chrome, Firefox, camera will show like picture as below:

Status		Device	Info
Setup 📃			Save Refresh
Network Settings	Device ID	64C0EE0123AC	
Video	Device Glient Version	71.1.1.1	
Alarm Settings	Device System Version	80.3.4.0005	
Record	Description	IF CANERA	
Cruise			
System	IP Address	192 168 4 142	

Figure 4.8

#### 4.2 Setup

#### 4.2.1 User Permission

User can set 10 different usernames and passwords for different permission; Permission: Administrator,Operator; Visitor;

**Super Administrator**: Every device has a super administrator, it has the highest permission, can set all the parameters.

**Administrator**: Lower permission than super administrator, it can set most of the parameters except adding or editing other administrator accounts.

**Operator**: Lower permission than administrator, can do some operation such as pan/tilt control and set some parameters.

Visitor: The lowest permission, only can view live video, can't control the pan/tilt, parameter settings etc.

Sumpple	O	-	*		RK CAMERA	
Status Setup			Users	Permission		_
Users Permission				C	Save Refes	h
Multi-Device Settings	1	Serial Number	Username	Password	Pennavalon	
Date&Time		1	autoria	*****	Gaper Agreement	
Audio Settings		2	123	•••••	Visitor	- 53
Network Settings		3	458	*******	Operator	- 3
Video		4			Visitor	- 2
		1			Visitor	- 3
Alarm Settings		6			Visitor	- 33
Record		7			Visitor	- 13
Cruise -		8			Visitor	-13
System		9			Visitor	- 53
		10			Visitor	- 62

## 4.2.2 Multi-Device Settings

Note: Multi-Device only can be set under IE Browser, for Firefox, Safari, Chrome, you cannot see these setting, as they do not support ActiveX.

Click "Multi-Device Settings" to enter the interface:

Setup		Multi-Device Settin	ys		
Users Permission			C	Save	Refrest
Muth-Device Settings Date&Time Audio Settings	Device List in LAN	P CAMERA(192.168.4.123) P CAMERA(192.168.4.90)			
Network Settings				Ratesh	
Video	First Device	I=Local			
Alarm Collinson	Second Device	None			
Alarm Settings	Third Device	None			
Record	Eouth Device	None			
Cruise	Eith Device	None			
System -	Sath Device	None			
	Seventh Device	None			
	Eighth Device	None			
	Ninth Device	None			

If you have more cameras in same LAN network, software can auto-detect them and list in "Device List in

LAN"

Enable the channel you want to add; Choose the IP, input host(for camera in different network, you will need to input external ip address/DDNS address), web port, media port, username, and password manually, click Add to submit.

## 4.2.3 Date & Time

Date Time: Display the current date and time

**Time Zone**: Set the current time zone Selest the working time server.

Time Mode: Can choose PC Time or NTP Time.

PC Timing: Camera will set the time the same as your PC.

NTP Server: User will need to select a working time server, and select the time zone.

Status	Date&Time		
Users Permission			Save Refres
Multi-Device Settings	Datetime	2015-03-10 17:14:57	
Date&Time	Time Zone Settings	OMT+F -	
Audio Settings Network Settings	Timing Mode	PC Timing	

## 4.2.4 Audio Settings

**External Headset**: User need to enable this feature, and connect external audio device like speak, Mic. So that this feature work.

**Built-in Headset:** This means the built-in Headset port; with located in the cable. User can connect to the audio devices;

Microphone Volume: User can adjust the volume of Microphone.

Speaker Volume: User can adjust the volume of Speaker.

Status		Audio Setti	ngs
Users Permission			Save Refes
Multi-Device Settings	External Headset		
Date&Time Audio Settings	Butt-In Headset	R	
Network Settings	Microphone Volume	6	
Video -	Speaker Volume	1D 🖌	
Alarm Settings	1 ·····		

## 4.3 Network Settings

## 4.3.1 IP

**Network Type:** User can set Dynamic Address to obtain IP directly from router, or set a Static IP manually.

**Media Port:** User can set the Media port to transfer video if need to view camera remotely.(Work with DDNS or external IP)

**Web Port:** User can set the web port to transfer video if need to view camera remotely.(Work with DDNS or external IP)

Onvif: User can set Onvif port to work with other Onvif device like NVR..etc;

RTSP Port: Default 554;

**DNS server:** User can change DNS IP settings.

Status		Network Settings		
Network Settings			Sale	Refrest
iP )	Network Type	Dynamic Address		
Wheless Settings	Media Port	38401		
DDNS Settings	Web Port	B0		
P2P Bettings	ONVIF Port	31000		
FTP Settings	RTSP Port	554		
E-mai(St/ITP) Settings	DNS Server	192 168 10 1		
Alarm Settings	MAC Address	Bar 10:22:37-44-97		

## 4.3.2 Wireless Settings

Click the icon "Search" to scan the wireless network in this environment automatically.

Using Wireless Lan: Set Wi-Fi ON/OFF.

SSID: the ID of Wireless network, it should be the same SSID as the connected Wi-Fi router.

Network Type: Two modes:

- 1. Infra (Infrastructure Mode), if using normal AP, choose Infra mode.
- 2. Ad-Hoc Mode. If using point-to-point transmission, choose Ad-Hoc mode.

The factory setting is Infra.

- Encryption: WEP, TKIP, AES optional.
- Authentication: WEP: Open System or Share Key. TKIP (AES): WPA-PSK or WPA2-PSK.
- Select Key: Choose the channel of WEP share Key.
- Key: Input the key the same as the settings in your router.

All the Wi-Fi encryption mode settings should be the same as your Wi-Fi router, and different encryption has different authentication menu.

Status	Wire	less Se	ttings	5		
Network Settings				1C	Save	Refres
iP						
Wireless Settings						
UPttP Settings						
DONS Settings						
P2P Settings						
FTP Settings					Search	1
E-mail(SMTP) Settings				1		•
Video 🗾	Enable WIFI	(R)				
Alarm Settings	SSID					
Record	Network Type	intra .				
Cruise	Encryption	None				

## 4.3.3 Upnp Settings

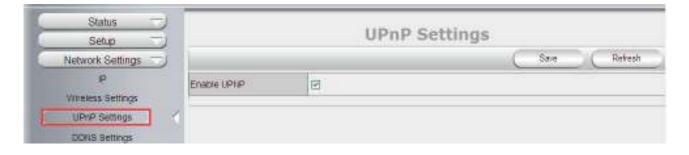
Enable UPNP: Set UPNP function ON/OFF.

Select it to enable UPNP, then the camera will do port forwarding automatically.

It's helpful for using DDNS, if your router support UPNP, then you no need do port forwarding in router.

**NOTE**: Here UPNP only for port forwarding now. It has much relation with security settings of your router, make sure the UPnP function of router is ON.

**ATTENTION**: If your router doesn't support UPNP function, it may show error information. So we recommend you do port forwarding manually in your router.



## 4.3.4 DDNS Settings

There are 2 options:

Factory DDNS: This domain is provided by the manufacturer.

Third Party DDNS: This domain is provided by a 3rd party, such as Dyndns, 3322 etc.

- Enable DDNS: Set DDNS function ON/OFF.
- DDNS Server Type: Set DDNS server type, such as factory DDNS or third party DDNS server provider.
- DDNS User: Registered user name from DDNS server. (If you use factory DDNS, it can't be modified.)
- DDNS Password: Registered password from DDNS server. (If you use factory DDNS, it can't be modified.)
- DDNS Host Name: Domain name set by user. (If you use factory DDNS, it can't be modified.)

For the third party DDNS, you have to register an account first, keep the user, password, host, then input it.

**NOTE**: Only one DDNS can be chosen, for example, if you use manufacturer's DDNS, the 3rd one won't work, if you use a 3rd DDNS, the manufacturer's one won't work.

Setup		DDNS Sett	ings	
Network Settings			(Sa.q	Retes
P	Enable DDNS	Open 🛩		
Wireless Settings UPnP Settings	DDNS Service Type	Factory DDNS		
DONS Settings	DDNS Usemame			
P2P Settings	DDN9 Password			
FTP Settings E-mail(SMTP) Settings	DDNS Hostname			

## 4.3.5 P2P Settings

User can see and change P2P GUID here

Factory will provide a factory P2P GUID for free using. Default user: admin; password: sumpple;User can change the password here or change a new P2P GUID here.

Status		P2P Settin	gs
Network Settings			Sala Rates
(P	GUD		
Wiveless Settings	Usemame	admin	
DONS Settings	Password	•••••	
P2P Settings	4		
FTP Settings			

## 4.3.6 FTP Settings

Set FTP service, Snapshots will be delivered to appointed FTP server when alarmed.

Enable FTP: Set FTP function ON/OFF.

FTP Server: Set FTP server address.

FTP Port: Set the port of FTP server, default is 21.

FTP User: Set the user name of FTP server.

FTP Password: Set the password of FTP server.

Upload Folder: Set the path of remote FTP server. Make sure that the folder you plan to store images exists.

(The camera cannot create the folder itself). Also, the folder must be erasable.

FTP Mode: It supports standard (POST) mode and passive (PASV) mode.

Click save to submit, click test to check the settings.

NOTE: When alarmed, there will be 3 snapshots sent to the FTP server every 1 second

Setup	FTP Settings		
Network Settings		Save Rottesh Test	
ťΡ	Enable FTP	E	
Wretess Semings	FTP Server	192 168 10 106	
UPnP Settings DDNS Settings	FTP Port	21	
P2P Settings	FTP User	Nc	
FTP Settings	FTP Password		
E-mail(SMTP) Settings	Upload Folder		
Video 🗾	FTP Mode	PORT M	
Alarm Settings	Upload Image Now		
Cruise		Pls save first then test	

## 4.3.7 E-mail(SMTP) Settings

Enable Email: Set e-mail function ON/OFF.

Sender: Set sender's name or email address

Sender's email: Set sender's email address.

Receiver: Set receiver's email box. (Supports 3 receivers' emails simultaneously)

SMTP Server: The sender address SMTP server.

**SMTP Port**: The sender's SMTP Port, usually is 25, some SMTP servers have their own port, e.g., the smtp port for Gmail is 465.

Auth User: Verify the user settings.

SMTP Username: Set sender's user name or email address.

SMTP password: Set sender's email address password.

**Note**: User can save the settings first, then click Test buttom to see if settings working. If not, pls double check your settings or spelling.

Status 🗔			Save	Refresh	( Test
Setup -	Enable E-mail				
Network Settings	Sender	2879745181@qq.com			
IP	Sender Email	2879745181@qq.com			
Wireless Settings	Receiver1	2879745181@qq.com			
UPnP Settings	Receiver2	yjc824944817@163.com			
DDNS Settings P2P Settings	Receiver3				
FTP Settings	SMTP Server	smtp.qq.com	SSL Login		
E-mail(SMTP) Settings	SMTP Port	25			
Video 🗾	Auth User				
Alarm Settings	SMTP Username	2879745181@qq.com			
Record 🔿	SMTP Password	[]		 	
Cruise 🖵					
System 💎		Pls save t	first then test		

## 4.4 Video Info.

Click "Video Info" to enter the interface as below:

Setup -	Vide	o Info
work Settings		first Patiesh
Video	Main-Stream	
Week into a	Resolution	198718 [14]
Record -	Flave Rate	8 (19)
Cruise	O.C. Pate	200au • 2
System -	Image Quality	instant and the D
	Yell-Stream	14 A
	Rectutori	540'400 -
	Fileve Rate	10 -
	Bit Rate	7856an • (2)
	Viage Quality	2.0.00( * [])
	Initial-Stream	50
	7 Main-Steam	C Sub-Smarn

There are two options for stream, **Main-Stream** and **Sub-Stream**, you can set the stream based on the actual operation environment, for example, if the bandwidth is good enough, set Main-Stream as Initial-Stream, or choose Sub-Stream if better.

Set the parameters of Main-Stream and Sub-Stream as below:

Resolution: 1280 x 720, 640 x 368, 320 x 208 optional.

**Frame Rate**: Set the frame rate according to the bandwidth. Frame rate could be "**Auto**" or "**from 1 fps to 30 fps (Real time)**". If the network situation is not ideal, you can reduce the frame rate to control the coding rate, make the moving pictures smoother.

**Bit Rate**: Higher bite rate means better quality images, but takes more bandwidth, so adjust the settings according to the actual bandwidth available. The range of bit rate from 128 Kbps ~ 4 Mbps.

Bit Rate	2Mb/s
age Quality	128Kb/s 256Kb/s 384Kb/s
	512Kb/s 768Kb/s
Resolution	1Mb/s
	2Mb/s 4Mb/s

**Image Quality**: Better image quality, higher bit rate value, but it will take more bandwidth, the image quality parameters could be set as below:

Image Quality	Standard 🛛 💌	
Resolution	Worse Soso Not bad Medium	
	Standard	
Frame Rate	Good Well	
Bit Rate	Pretty good	

**NOTE**: When the device runs, only can select Bit Rate or Image Quality either.

## 4.5 Alarm Settings

## 4.5.1 Motion Detection



#### Motion Detection Zone Armed:

Can set all zones to be armed, or a specified zone armed.

Before setting a specified zone, you should set "**Motion Detection**" to "**ON**", then press left mouse, drag the mouse onto video area to set the detection zone, and save it, supports 3 areas.

Status		Motion	Detection		
Setup Vetwork Settings	11		C	Save	Refer
Video 📃	and the second second				
Alarm Settings	1 4		Mation Detection	On	
Mation Detection	1-1-	· · · · · · · · ·	Sensitivity	High	
Temperature Alarm	1 1 1		Alarm Duration	58	
Humidity Detection			Schedule	10	_
Light Brightness Alarm	8		Linkage With Alarm	A.L	
Voice Detection			SD-Card Record	12	
Record		10.0		1001	

- Detect All: Setting the whole video window as the motion detect armed zone.
- Clear Detect: Clear all armed zone.
- Motion Detection: Set motion detection armed function ON/OFF.
- Sensitivity: Set detection sensitivity as Low, Middle, High, Higher, Highest.
- Alarm Duration: Set each alarm duration, can be forever, 5s, 10s, 15s, 30s, 60s.

#### Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convience to them.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click Save to save all the settings.

Click **Refresh** to refresh the settings.

SD-Card Record	
Send E-mail	
FTP Upload	

## 4.5.2 Temperature Alarm Settings

- Temperature Alarm: Set temperate alarm function ON/OFF.
- Temperature Alarm Range: Set the range; Alarm will be triggered once the Temperature reach the range.

Status		Tempera	ature Ala	rm	
Setup -		rempore		Sava	Refres
Network Settings				C Dane	Forman
Video	Temperature Alarm	or •			
Alarm Settings	Tomas and any American		40	-	
Motion Detection	Temperature Alarm Range	0	- 40	· 7	
Temperature Alarm	1	Send e-mail			
CANAL NEW YORK AND	Linkage With Alarm	FTP Upload E			
Humidity Detection		SD-Card Record			
Light Brightness Alarm	<u></u>				
Voice Detection					
Record -					
1101/010					

#### Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convience to them.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click Save to save all the settings.

Click **Refresh** to refresh the settings.

Linkage With Alarm	Send e-mail	
	FTP Upload 🔲	
	SD-Card Record	

### 4.5.3 Humidity Alarm Settings

- Humidity Alarm: Set Humidity alarm function ON/OFF.
- Humidity Alarm Range: Set the range; Alarm will be triggered once the Humidity reach the range.

sumpple		۲	*	NET	WORK	CAMERA
Status 🚽		Hu	midity De	etection	_	
Network Settings				C	Save	Retresh
Video -)	Humidity Alarm	05 +				
Alarm Settings		20	- 80			
Motion Detection	Humidity Alarm Range	1011	ph//			
Temperature Alarm	Linkage With Alarm	Send e-mail FTP Upload				
Humidity Detection	Cronge rom round	SD-Card Rec	and the second			
Light Brightness Alarm		1	constitution.			
Voice Detection						
Record -						
Cruise -						
System -						

#### Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convience to them.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click Save to save all the settings.

Click **Refresh** to refresh the settings.

Linkage With Alarm	Send e-mail	
	FTP Upload	
	SD-Card Record	

### 4.5.4 Light Brightness Alarm Settings

- Light Brightness Alarm: Set Light brightness alarm function ON/OFF.
- Light Brightness Alarm interval: Set the alarm interval here..

umpple	- Bit	O O NETWORK CAMERA
Status 🔤		Light Brightness Alarm
Network Settings		Save Retest
Video	Light Brightness Alarm	0# •
Alarm Settings	Light Brightness Alarm	5a *
Motion Detection Temperature Alarm	Interval Send e-mail	0# •
Hamidity Detection	FTP Upload	Of •
Ught Brightness Alarm Voice Detection Record	SD-Card Record	Of •
Cruise		

#### • Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convience to them.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click **Save** to save all the settings.

Click **Refresh** to refresh the settings.

Send e-mail	Off	
FTP Upload	Off	2 <b>.</b>
SD-Card Record	Off	-

### 4.5.5 Voice Alarm Settings

• Voice Alarm: Set Voice alarm function ON/OFF.

• **Sensitivity**: Set the alarm Sensitivity here: Low--Even voice loud, alarm still not easy triggered, Middle: normal voice will make the alarm triggered. High: Smart voice can make the alarm triggered;

Status		Voice Detect
Network Settings		Save Refresh
Video	Voice Ararm	Off -
Alarm Settings	Sensitivity	Midde *
Motion Delection Temperature Alarm	Linkage With Alarm	Send e-mail 🖾
Humidity Detection		SD-Card Record
Voice Detection	<	

#### • Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convience to them.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click Save to save all the settings.

Click **Refresh** to refresh the settings.

Linkage With Alarm	Send e-mail 📃
	FTP Upload 🛅
	SD-Card Record

## 4.6 Record 4.6.1 Local Settings

Note: This feature will suitable for IE only, as other broswers not support IE activeX.

Enable Alarm Record: Camera will record to the path user set when Alarm happens.

Alarm Record time: User can set the record time when Alarm happens. Such as 2 mins.

**Manual Record Pack time:** User can set the manual record time, such as 2 hours. Once click the "Record" button under the live video screen, camera will record as long as user set.

Path: This belongs to the PC path, user can set the PC path to store all records.

Status -		to and the state of the state o			
Setup 💙	Local Settings				
Network Settings					
Video 🗾	Enable Alarm Record	2			
Alarm Settings	Alarm Record Time	2 Minuta 💌			
Record					
Local Settings	Manual Record Pack Time	1 Hour			
SD Card Info	Record Path	E1 Bitwise			

## 4.6.2 SD Card info

Device Name: Display the name of SD card.

Total Size: Display the total size of SD card

Balance Space: Display the free space of SD card

Status: Display the state of SD card.

Format: Click it to delete all data and format the SD card. (All data will be lost if formatted).

Open Auto cover: Set SD card auto cover when it's full.

**Open Pre-recording**: Set Pre-recording function (Record the video before alarm triggered).

**Pre-recording Time**: Set the Pre-recording time, can be from 1 to 6 seconds.

Record Stream: Choose the stream here:Main Stream and Sub Stream.

Status  Setup		SD Card Info				
Network Settings		Save Refres				
Video	Device Name					
Alarm Settings	Total Size	ОКВ				
Record	Balance Space	б				
SD Card Info	Status	Pullout				
Cruise		Format				
System -	Enable Auto-Cover					
	Enable Pre-Record					
	Alarm capture to SD card					
	Pre-Record Time	3 Second				
	Record stream	Sub-Stream 😽				

## 4.7 Cruise

Cruise works support 9 directions; User can set the locations, then camera can keep cruising under the directions.

Cruise Name: User can set the a Name for the crusing Plan.

Status: Enable it, User can start settings.

Serial Number: User can set the locations or path for cruise.

**Preset:** Camera will follow from 1 to 9; User can set different location with different Number.

**Residert Time:** Camera stay time: Such as, Preset 1; Resident time: 3 seconds; Then when camera in preset 1 location, will stay for 3 seconds.

**Speed**: camera moving speed.

Status			Cruis	0.0			
Setup 🚽	-		Cruis	se			
Network Settings			(	Sav	e Refrest	n Res	et
Video 💙	Cruise List	Cruise Information					
Alarm Settings	None [Invalid]	Cruise Name		T			
Record 🗾	None [Invalid] None [Invalid]						
Cruise 🦳	None [Invalid] None [Invalid]	Status					
Cruise	None [Invalid]	Serial Number	Preset		Resident time	Speed	Ş
	None [Invalid]	<b>1</b>	1 [Invalid]	*		0	_
System 🗾	None [Invalid] None [Invalid]	2	1 [Invalid]	*	0	0	
	None [Invalid]	3	1 [Invalid]	*	0	0	
	a Assessed in Constrainty	□4	1 [Invalid]	~	0	0	
		5	1 [Invalid]	~	0	0	_
		6	1 [Invalid]	*	0	0	_
		7	1 [Invalid]	~	0	0	
		8	1 [Invalid]	~	0	0	
		9	1 [Invalid]	~	0	0	_

Note: After setup, user can go to live video screen, and call the "Cruse" under the panel.

# 4.7 System

# 4.7.1 Log

Log provides information of camera, login, log out, alarm, power on/off..etc;

Setup -		Log				
etwork Settings			C	Refresh Clear		
Video —	Username	IP Address	Time	Туре		
Alarm Settings —)	admin	192.168.4.187	2015/03/10 19:41:19	Login Out		
Record -	admin	192.168.4.187	2015/03/10 19:41:18	Login In		
Cruise	admin	192.168.4.187	2015/03/10 19:41:05	Login Out		
	admin	192 168 4 187	2015/03/10 19:41:02	Login In		
System	admin	192,168,4,187	2015/03/10 19:39:51	Login Out		
Log	admin	192 168 4 187	2015/03/10 19:38:51	Login In		
Auto Maintain	admin	192.168.4.187	2015/03/10 19:31:32	Login Out		
System	admin	192,108.4.187	2015/03/10 19:19:11	Login In		
	admin	192,168,4,187	2015/03/10 19:19:05	Login Out		
	admin	192.168.4.187	2015/03/10 19:16:22	Login In		
	root	DEVICE		Power On		
	root	DEVICE	2015/03/10 16:32:42	Power Off		
	freet	DEVICE		Power On		
	root	DEVICE	2015/03/10 18:32:42	Fower Off		
	root	DEVICE		Power On		
	root	DEVICE	2015/03/10 16 32 42	Power Off		
	admin	192 168 5 89	2015/03/10 18:38:54	Login Out		
	admin	192 168 5.89	2015/03/10 18:37:45	Login In		
	admin	192.168.5.89	2015/03/10 18:37:38	Login Out		

## 4.7.2 Auto Maintain

Auto Maintain provides an auto protection of hardware; Set a time such as 24:00; Then camera will auto reboot; and refresh the hardware proformance.

Auto Maintain			
1		Save Refresh	
		Save Refresh	
Enable			
Time			
Lime			
	Enable Time	Enable	

## 4.7.3 System

Reboot Device: Camera will get reboot.

Restore factory settings: User can restore factory settings once forget password, settings..etc.

**Upgrade Device Firmware:** To upgrade or degrade the camera firmware.(The firmware needs to store in the same camera you are viewing camera.)

**Upgrade Device Web ui:** To upgrade or degrade the camera web ui. (The firmware needs to store in the same camera you are viewing camera.)

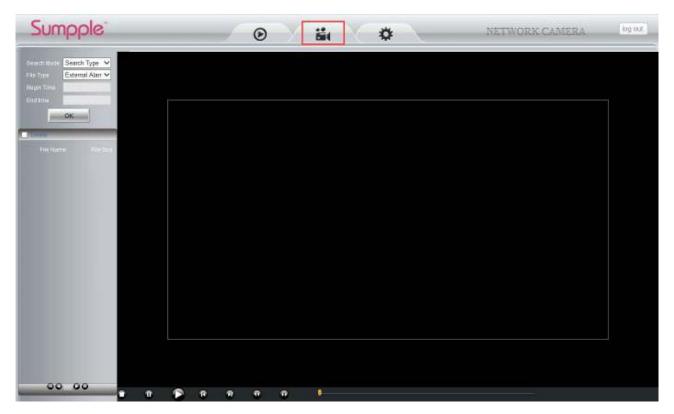
Status		Creations
Setup 🚽 _		System
Network Settings		
Video		Reboot Device
Alarm Settings		Report Device
Record	R	estore Factory Settings
Cruise 🚽		
System -		
Log Auto Maintain	Upgrade Device Firmware	Start
System	Upgrade Device Web UI	Start

# 5. PLAYBACK for IE browser only

...

Note: Playback function shows under IE ActiveX mode only. Other broswers not support this feature.

Click login the playback interface, this is for SD Card files playback. So If User not have SD card in the camera or not have any file in SD card, will not work.



Search Mode: User can search the record, snapshot..etc by different methods.

**Search Type:** External Alarm and Motion detection optional; Select External Alarm; Camera will search the alarm file from External alarm which comes from other device; Select motion detection, Camera will search the alarm file from motion detection.

Search All: Camera will search all file in SD Card.

**File type:** External Alarm and Motion detectio optional. This option works only work when user select Search Type from Search mode

Begin Time and End Time: This feature work when user select Search Time from Seach mode; Select a begin time, and end time, camera will search these files in the time area.

Click "OK" icon, will pop-up a window for search file, set the mode or time, click OK to submit, then all the correlative files will be listed on the left side.

After searching, files will be listed on the left side window, choose the file, double click it or click play icon

to start replay. Users can check the replay file information here, do other operation such as **Stop**, **Pause**, **Previous**, **Next**, **Fast Backward**, **Fast Forward** etc.



# 6. FREQUENTLY ASKED QUESTIONS

#### 1. I have forgotten the administrator username and/or password

There is a **[RST]** button on the rear panel, keep the power on, hold the reset button for 30 seconds, it will restore back to factory default settings as below:

Username: admin

Password: sumpple

NOTE: Please don't press RST button unless you are sure you want to do it.

#### 2. There is no picture displayed in IE browser (For IE only)

It maybe the ActiveX problem,

If using the IE browser for the first time, you should install the ActiveX control, details as below:

Before login, click the ActiveX icon Load OCX at the right side of interface to download, save the file, run it to install the ActiveX.

#### 3. Fail to visit IP camera via IE after upgrading (For IE Only)

Solution: Clear the browser buffer.

Steps: Open IE>click "Tools"> "Internet Options"> "General"> "Delete"> "Internet temporary files", delete the cookies and temporary files, then click "OK" and re-login.

#### 4. The video is not smooth

Possible reason 1: The frame rate value is too small.

**Solution**: Increase the frame rate value.

Possible reason 2: Too many users are connecting to the device.

Solution: Close some connection or reduce the video frame rate.

Possible reason 3: Network bandwidth is too low, lots of lost packets.

Solution: Reduce the video frame rate or video compression bit rate.

#### 5. Fail to visit IP camera via IE browser

Possible Reason 1: Network is disconnected.

**Solution**: Connect your PC to network, check whether the network works well or not. Check if there's a problem with the cable connection, or network problem caused by PC virus.

Possible reason 2: IP Address has been occupied by other devices.

Solution: Stop the connection between IP camera and network; connect the IP camera to PC.

Directly reset IP address according to the proper operations recommended.

Possible reason 3: IP addresses are in different subnets.

Solution: Check IP address, Subnet masking and Gateway.

Possible reason 4: Physical address of network conflicts with the IP camera.

**Solution**: modify the physical address of IP camera.

Possible Reason 5: Web port has been modified.

Solution: Contact as Network Administrator to obtain related information.

Possible Reason 6: Unknown.

**Solution**: Press RESET to restore to factory settings then connect it again, the default IP address is 192.168.1.155, subnet mask is 255.255.255.0

#### 6. The color of image is abnormal (Green or other color)

Sometimes the IP camera images cannot be displayed properly because of different graphics cards, the images appears to be green or other colors, then you should run the program "Config.exe" from the downloaded OCT files.

(or run C:\windows\system32\Config.exe) to set the following parameters for the display buffer: auto-detection, used display card memory or system memory, then run IE, connect IP camera again.

#### 7. There is no voice while monitoring

**Possible Reason 1**: No audio input connection.

Solution: Check audio connection of the host.

Possible Reason 2: the relative audio option of IP camera is OFF.

**Solution**: Check audio parameter settings to see if you have set the audio option ON, but without external audio input.

#### 8. Image processing doesn't work properly

**Possible Reason 1**: System problem, DirectX function is disabled, which will cause slow display of images and abnormal color.

**Possible Reason 2**: Hardware problem, graphics card doesn't support image acceleration and hardware zooming functions. (For hardware issue, the only solution is to change your graphics card).

Solution: Install DirectX image driver, then click "Start">"Run">input "dxdiag", set enable "DirectDraw Acceleration" "Direct3D Acceleration" "AGP Texture Acceleration" functions.

Device	Orivers
Name: ATLRadepriMD 4300 Series	Man Driver: atundag.dl,atdxx32.dl,atdxx54,e
Merufacture: ATI Technologies Inc.	Version: 8.632.1.2000
Chip Type: ATI display adapter (0x954F)	Date: 2009/8/38 2:20:38
DAC Type: (Internal DAC(400HHz)	WHQLLogo'd: n/a
Approx. Total Memory: 1275 MB	CDI Versian: 30.1
Current Dupley Hode: 3024 x 768 (321ef) (75H) Honton: 連用即請如用監視器	Driver Madel: VICEM L.1
Directly Features	
OvectOraw Accelerations Enabled	
Direct3D Acceleration Enabled	
AGP Testure Acceleration: Enabled	
Notes	
No problems found.	
E-312 (2020) (2020)	

Figure 13.0

Note: If you are unable to do it, it means your DirectX is not installed properly or hardware doesn't support this function.

#### 9. Fail to use DDNS

Possible Reason 1: The PC or IP Camera can't connect to the internet.

Solution: Check the internet connection and settings.

**Possible Reason 2**: Port forward is not set in router.

**Solution**: Set the port forward of extranet in router correctly.

For example, if IP Camera address is: 192.168.1.100, Media port is 38401, Web port is 85, factory DDNS is http://test.aipcam.com.

#### Set Port Forwarding in the router.

This is an important step. You need to set port forwarding in your router, to refer to the IP of your camera correctly, for DDNS to work. There are so many kinds of routers, so it's difficult to show fixed steps, but here are some samples of different router's port forwarding settings, just for reference:

#### **TP-LINK**:

1. Login to the router.



2. Choose "Forwarding", select "Virtual Servers"

3. Click the Add New button, pop-up below:

Service Port:	(XX-XX) or XX)	
IP Address:		
Protocol:	ALL	
Status:	Enabled	
Common Service Port:	-Select One-	

Figure 13.1

Fill in the service port (**don't use 80**), IP address of the camera, then click Save **NOTE**: The port and IP address should be the same as the camera.

Fill in the web port, for example port 85, IP address as 192.168.1.100, click Save.

(1) Repeat step 3 above, it will pop-up the window again, fill in the **media port** as 38401, IP address as 192.168.1.100, then save.

(2) Then check the "Device Info" – "DDNS Status",

It will show DDNS: <u>http://test.aipcam.com:85</u>, input this link in IE, then you can visit this camera remotely.

#### **BELKIN:**

- 1. Login to the router.
- 2. Choose "Firewall", select "Virtual Servers"
- 3. Input the port (don't use 80) and IP address, then click save.

**NOTE**: The port and IP address should be the same as the camera.

LAN Selap LAN Selarge	Firewall >	Virtual S	ervers				
DerCP Client Lot. Stadio Rocking Informet WIGN Connection Trave			to route eidernat plications throug				rver (port SD), FTP side
rest	Add Active Vis	166		*			Add
WAC ASSent Coreg	Clear ontry 1	*				- 19	Cew
Wreless			(Section of the section of the secti	No.		Private IP	
Channel and SSID Security		Enable	Description	Inbound port	Type	address	Private port
vis 7: Protected Setup	8.9	8	8PCAH	101	BOUR -	192.968.2	101
Ouest Access				-	0.0	-1921682	
Uno ao Acceso Point GoS	2			5	BOTH M		4 100
Gerd Protien	20		-	1	SOTH V	192 168 -	t use 80
Traffic Databas	<i>R</i> .	: D:			BOINE W	as p	ort number
Firewall					BOTH -	192,568.2	
MAC ADDRESS FREITO			1	1	388977761	192 168 2	1-
Access Corpol	10 A				вотні 💌	State of the second sec	
5M2				1	BOTH W	192,169,2	2
CONS VIAN Pre-Blocking	<u></u>			1	BOIR		
Securitylog	25	101		-	0076 9	192168.2	
Utilities	200			1		192,168.2.	
Relitart Rocker	8				801H 😒	State Inc.	
Rentime Factory Definition Generative Settings	22	0		-	BOTH W	192 168 2	2
Restore Previous Settings	8	See.		-	BOUR ST		
Terreren Update Sectore Settore	10	- (1)			8079	192,169,2	



#### DLINK:

- 1. Login to the router.
- 2. Choose "Advanced", select "Virtual Servers"
- 3. Input the port, IP address, Protocol, then click save.

**NOTE**: The "**public port**" & "**private port**" should be the same as camera's port, choose the protocol to be "**both**".

DNR-501	1	SETUP	ADVANCED		TOOLS		STATUS	SUPPORT	
VIATUAL BERVER	VIR	TUAL SERVER						Helpful Hints	
ORTFORWARDING			on alows you to define					Check the	
PPLICATION RULES			ddress and Private LAN FTP or Web Servers.	port	f required. Thi	s feature is o	seful for hosting	Application Name drop-down menu fo	
QOT ENGINE	100	C 20 YICCS 2001 23	Fir or new servers					list of predefined	
NETWORK FILTER	1.3	Save Settings	Don't Save Settings	-	A) (			server types. If you select one of the	
ACCESS CONTRICL	-			_				predefined server types, dick the arro	
MEBSITE FILTER	24	- VIRTUAL SE	ERVERS LIST					button next to the	
NEOLINO FILITER					Port	Traffic Type		drop down manu to out the correspond	
FIREWALL SETTINGS	100	Name			Public Part.	Protocol	Schedule	field.	
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PH5		Name			Public Port	Protocol	Schedule	can manually enter	
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	10				Private Port		Inboand Filter	you would like to ap the speaked port.	
		IF Address	[44] Conputer None	-	0	6 1	Alax Al. +	and appendix points	
		Nome	The state of the second second		Public Port	Protocol	Schedule	Select a schedule for when the virtual se	
		THUR OF	Application Name		d Hotel Port	TOP	Aloays *	will be enabled. If y	
	1275				Private Port		Intound Filter	do not see the schedule you need	

Figure 13.3

# 7. SPECIFICATIONS

	Image Sensor	1/4" Color CMOS Sensor			
	Display Resolution	1280 x 720 Pixels (1000K Pixels, i.e. 1 Megapixel)			
Image Sensor	Lens	3.6mm			
	Mini. Illumination	0.5 Lux			
	Viewing Angle	60-90 Degree			
	Input	Built-in Microphone			
Audio	Output	Built-in Speaker			
	Audio Compression	ADPCM			
	Image Compression	H.264, MJPEG			
	Image Frame Rate	30fps (VGA),10fps (QVGA)			
) (indexe	Resolution	1280 x 720 (VGA), 640 x 480 (QVGA)			
Video	Flip Mirror Images	Vertical / Horizontal			
	Light Frequency	50Hz, 60Hz, Outdoor			
	Video Parameters	Brightness, Saturation, Contrast, Hue			
	Ethernet Interface	Build in 10/100Mbps,Auto MDI/MDIX , RJ-45			
	Ourses and a Director and	TCP/IP HTTP DNS DHCP PPPoE SMTP FTP SSL TFTP NTP			
	Supported Protocol	ARP/RARP NFS RTSP RTP RTCP			
Communication	Compress rate level	128Kbps~4Mbps			
	Wireless Standard	IEEE 802.11b/g/n			
	Data Rate	802.11b: 11Mbps (max.), 802.11g: 54Mbps (max.), 802.11n: 150Mbps (max.)			
	Wireless Security	WEP & WPA WPA2 Encryption			
Sensor	Temp. Sensor	Supported			
Sensor	Hum. Sensor	Supported			
Physical	Pan/Tilt Angle	Horizontal: 320° & Vertical: 120°			
Physical	Infrared Light	8 IR LEDs, Night visibility up to 10 meters			
Power	Power Supply	DC 5V/2.0A (EU,US,AU adapter or other types optional)			
Fower	Power Consumption	7 Watts (Max.)			
	Operate Temper.	0° ~ 55°C (14°F ~ 131°F)			
Environment	Operating Humidity	20% ~ 85% non-condensing			
Environment	Storage Temper.	-10°C ~ 60° (14°F ~ 140°F)			
	Storage Humidity	0% ~ 90% non-condensing			
	CPU	2.0GHZ or above (suggested 3.0GHz)			
BC System	Memory Size	256MB or above (suggested 1.0GHz)			
PC System Requirements	Display Card	64M or above			
Requirements	Supported OS	Microsoft Windows 2000/XP/Vista/7			
	Browser	IE6.0/7.0/8.0/Firefox/Safari/Google chrome or other standard browsers			
Certification	CE, FCC, RoHS				

# 8. OBTAINING TECHNICAL SUPPORT

We hope your experience with your IP network camera is enjoyable, but if you experience any issues or have any questions that this User's Guide has not answered, please email us.

If your camera does not support some special functions shown in this manual, please contact our technical support team to obtain the latest Firmware and WEB UI file for upgrading.

Statement: If you found any bug of software, pls kindly not discuss in the public place or website, contact us by email or phone, we will give you a quick shot.

#### **FCC Caution**

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub-Parts B and C of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by unplugging the equipment, try to correct the interference by one or more of the following measures.

- Reorient the antenna of the radio/TV experiencing the interference.
- · Relocate the equipment with respect to the radio/TV.
- Move the equipment away from the radio/TV.
- Plug the equipment into an outlet on a different electrical circuit from the radio/TV experiencing the interference.
- If necessary, consult your local dealer for additional suggestions.

**NOTE:** Modifications to this product will void the user's authority to operate this equipment.