# IP Wireless / Wired Camera IP Camera User Manual

(For Windows OS)



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# **1** Products overview

IP Camera is a IP integrated camera solution. For the user based on the local network (LAN) and wide area network (WAN) remote video surveillance products provides a clear, high integration, low cost solution. Integrated network and web service function, the shooting of the video can be transmitted through the network to any place, you simply through web browser can readily access live video. It can be applied in large stores, schools, factories, families and a series of places. Easy to install, easy to operate.

# 1.1 Product package list

```
✓ IP Camera* 1
```

```
✓ 5V DC Adaptor * 1
```

- ✓ Mounting bracket \* 1
- ✓ CD \* 1
- ✓ Network Cable \* 1

Remark: if you choose Wifi fuction device, The package should be contained Wi-Fi Antenna



Before you install the IP camera, please check the whether it contains all of the accessories. If it lacks of something, please contact with agents

# 1.2 Product Features

- Powerful high-speed video protocol processor
- High-sensitivity 1/5" CMOS sensor
- It uses MJPEG Compression and has VGA/QVGA/QQVGA video definition for us to choose. And it support for adjusting video parameter and adapt users many kinds of browser demand.
- Inner microphone can achieve audio collection and two ways audio function;
- IR night vision to support long distance night vision scope and achieve monitor for the whole days;
- Embeded WEB SERVER to support multi-page browser to viewing
- Multi-level users management and passwords definition
- Support wifi network (Wi-Fi/802.11/b/g), Inner Wifi module can flexibly create wi-fi monitoring environment.;
- Support motion detection which can achieve spot all-round monitoring. It can e-mail,FTP and send alarm message though alarm server etcs. so achieve many kinds of alarm function.;

•Pan/Tilt Pan 270°, Tilt 90° It is tiny and convenient installation which is suitable for all kinds of places;

- Support UPNP. It can support to achieve auto port map in the router;
- Support mobile phone viewing;
- Support remote upgrade;
- Factory set every device unique device serial number, unique factory DDNS, and burn it to device and when it connect with public internet, then it can visit though DDNS.
- Factory can provide free client software and multi-pictures , long time recording and video playback Etcs.

# **2** Device appearance and interface

# 2.1 Device appearance



Picture 1: Device appearance

- 1. Sensitive Hole: According to outside of light decide whether open infrared LED
- 2. Infrared LED
- 3. Lens :CMOS Sensor .You can turn around the lens manually to adjust the focus range
- 4. Build-in Microphone

Warning: please don't forcibly manual translation/lifting cameras, because it is

likely that damaged internal component!:

Build-in Microphone

# 2.2 Device interface



Picture 2: Device interface

LAN : RJ-45/10-100 Base T DC5V : 5V/2A Power supply



Picture 3 Reset Button

RESET BUTTON: Press and hold down the RESET BUTTON for 5 seconds.Release the power button and IP camera will be reset back to the factory default parameter

# **3 Device installation**

System configuration requirements: (Example for view four IP Camera) CPU: 2.06GHZ or above Memory: 512M or above Network Card: 10M or above Display Card: Microsoft DirectX 9 Pictur device or above memory Recommendable Operating System: Windows2000, Windows XP, VISTA,WIN7

Support web browser: IE. FireFox. Safari 🔨 Google etc.

## 3.1 Install hardware

You should install your IP Camera's hardware according to the following step in order to make sure the IP camera can work properly. Especially, pay attention to IP camera's installation environment. 1) IPCAM. Plug DC adapter with IP camera

I.Note: Please use Dc adapter which is the standard configuration of IP camera. Using DC adapter without any certificate, may destroy IP camera.

2) Plug cable with IP camera, and another side of cable should connect with DSL or router. In additional, make sure power of IP camera work properly and IP camera and PC are in the same Subnet( it can be LAN, and it also can use cable to connect PC and IP camera)



Picture 4 Network connection sketch map

2) When you use IP camera for the first time, IP Address of IP camera obtain automatically. (Before using, please make sure "DHCP" Server function in LAN's router has

been opened, or Server system open "DHCP" Server function) It is very convenient for users to use because It is suitable for different LAN NETWORK environment.

TP-LINK <sup>®</sup>	300M Wireless N Router Model No. TL-WR841N / TL-WR841ND				
Status Quick Setup QSS Network Wireless DHCP - DHCP Settings - DHCP Clients List - Address Reservation Forwarding Security Parental Control	DHCP Server: Start IP Address: End IP Address: ddress Lease Time: Default Gateway: Default Domain: Primary DNS: Secondary DNS:	<ul> <li>Disable (a) Ena</li> <li>192.168.1.1</li> <li>192.168.1.199</li> <li>120 minutes</li> <li>192.168.1.1</li> <li>0.0.0.0</li> <li>0.0.0</li> </ul>	ble 1~288 (op (op (op	DHCP Settings Help The Router is set up by default as a DHCP (Dynamic Host Configuration Protocol) server, which provides the TCP/IP configuration for all the PCs that are connected to the Router in the LAN. • DHCP Server - Enable or Disable the server. If you of server is of the server.	
Access Control Advanced Routing Bandwidth Control		Save		you must have another DHCP server within your network or else	

3) You can search PC IP and DNS Server as belows:

S Network Connections	
Elle Edit View Favorites Iools Advanced Help	
Back - 🕑 - 🏂 🔎 Search 🎼 Folders	<b>.</b>
Address 💊 Network Connections	🕹 Local Area Connection Status 🛛 🛛 🔁 🔍
Network Tasks   Create a new connection   Set up a home or small office network   Change Windows Firewall settings   Example Also   Network Troubleshooter   Other Places   My Network Places   My Network Places   My Documents   My Computer	Local Area Connection Status       ? × °         General Support       Connection status         Address Type:       Manually Configured         IP Address:       192.168.1.189         Subnet Mask:       255.255.255.0         Default Gateway:       192.168.1.1         Details       Petails         Network Connection Details       ? ×         Property       Value         Physical Address       192.168.1.189         Subnet Mask       255.255.0         Default Gateway:       192.168.1.1         Dub 27:00:30:78:68       192.168.1.1         Physical Address       192.168.1.189         Subnet Mask       255.255.0         Default Gateway       192.168.1.13         DNS Servers       202.96.134.133         202.96.134.132       202.96.134.96
Details (*) Network Connections System Folder	WINS Server This is DNS Server address which is provided by network server Close

Picture 6

4) The device IP Address can be changed, but Its IP address should be at the same with PC's subnet.

🞾 IP Camera Tool			
IP speed dome camera	Http://192	2. 168. 1. 159:99	
test of	test 01 Network Co	nfiguration	
Device IP address can	C Obtain IP from	DHCP server	
be changed by yourself	Subnet Mask Gateway DNS Server	255 .255 .255 . 0 192 .168 . 1 . 1 202 . 96 .134 .133	
Network server provide		8999	
DNS server Address	User Password	Jadmin	
	OK	Cancel	

Picture 7

When we test IP camera and check whether it starts smoothly or it connects properly, we can operate in the Windows (START- RUN-CMD), and then input : ping 192. 168. 1.111 in the order windows.



Picture 8 ping IP Camera

Check whether it can "Ping" IP camera, If yes, then it means IP Camera has been worked properly and connected correctly.

## 3.2 Software installation

#### Software installation

 $\bullet\,It$  is very easy to install software. You just need to run installation programme then it can work properly.  $_\circ$ 

Please put CD in the PC driver and the CD will automatically run to the software installation interface:



If no such an interface, please click "autorun.exe" in the CD **autorun** 

And then find 'search.exe" Search Tool. Clink and install LAN Tool to PC system, then you can view "IP Camera Tool" in Computer desktop for LAN Search tool. "IP Camera Tool" Tool"

# 4 Visit IP camera in LAN

#### 4.1 Connection ways in LAN



Picture 10 Connection between Several IP camera and router

#### 4.2 Search and set device IP address

Please note before searching IP camera:

1: Make sure IP camera has a good connection with power and network.

- 2: Te router should be opened DHCP (Dynamic host configuration protocol) because the factory setting status of IP camera is to obtain automatically IP camera.
- 3: When we power IP camera, we should wait 20 second then it can works

#### • Search IP camera

When we run Search tool" IP camera Tool", we can find the IP camera showing IP address, Port, Name. If we use Wi-fi connection, we will find Wi-fi IP address. For the details, we can view the following picture.

	T++-+ //100 160 1 160.00	
speed dome camera	H(tp://192.100.1.139.99)	
551 01	II(p.))192.100.1.111.0999	

Picture 11

Note: ("IP Camera Tool.exe" Programme only use to search IP camera address and port in the LAN. The tool can't search IP camera IP address and port in the WAN.

There are 3 cases:

1 No IP Camera found within LAN. After about 1 minute search, the Result Field will show "not found IP Server";

2 IP Cameras having been installed within LAN. All the IP Cameras will be listed and the total number is displayed in the result field as shown in Picture 2.0.

3 The IP Cameras installed within LAN do not share the same subnet with the monitoring

PC. A prompt as shown in result field (prompt: Subnet doesn't match, dbclick to change!).

Click the left mouse button to choose the prompt and click the right mouse, choose

Network Configuration to set the IP address of the Camera to the same subnet as LAN.

#### • SIX Options

Choose the IP Camera list and Click right mouse button, there are six options, Basic

Properties, Network Configuration, Upgrade Firmware, Refresh Camera List, Flush Arp, About IP camera tool as shown Picture 12.



Picture 12

#### **Basic Properties**

There is some device information in the Basic Properties, such as Device ID, System

Firmware Version, Web UI Version

peed dome ca 01	mera Http://192. Http://192.	<b>168. 1. 159:99</b> 168. 1. 111:8999	
	test 01 Basic Properties		
	Device ID System Firmware Version Web VI Version	00606E001B4F 0. 37. 2. 44 0. 2. 9. 12	

Picture 13

#### Network Configuration

In this page, you can configure the Network parameter.

speed dome camera	test 01 Network Co	nfiguration 🛛 🔛	
t 01	🕅 Obtain IP from	DHCP server	
	IP Address	192 .168 . 1 .111	
	Subnet Mask	255 .255 .255 . 0	
	Gateway	192 .168 . 1 . 1	
	DNS Server	202 . 96 .134 .133	
	Http Port	8999	
	Vser	admin	
	Password		
	OK	Cancel	

Picture 14

IP address: Fill in the IP address assigned and make sure it is in the same subnet as the

Subnet Mask: The default subnet mask of the equipment is: 255.255.255.0

Gateway: Make sure it is in the same subnet with PC IP address. Default Gateway address is 192.168.1.1

DNS:Server: IP address of IPS network provider. ( It also can view from network card local area connection status). As blows picture.

Property	Value
rnysicai Address P Address Subnet Mask Default Gateway	255.255.255.0
NS Servers	202.96.134.133 202.96.128.86
AUND DEIVEL	This is the server provide the service of DNS
	·

Picture 15

Http Port: LAN port assigned for the equipment, usually 80

User & Password : Default administrator username/password: admin/No password Enable Using DHCP: the system will assign a reasonable IP address for your equipment only if your gateway supports DHCP (It is the case with most gateways). DHCP checkbox: if checked, the device will obtain IP from DHCP server (To be make sure the Router which the device connect with has DHCP function). NOTE: when the prompt "subnet doesn □t match, double click to change!", please set the IP Camera IP address once again.

#### • Upgrade Firmware

Enter the correct User and Password to upgrade system Firmware and Web UI. (User should have administering authority.

t 01	tort 01 Upgrade Firmware	
	User admin Password [Upgrade System Firmware] Upgrade Web VI	
	OK	

Picture 16

#### Refresh Camera List

Refresh camera list manually.

#### • Flush Arp Buffer

When cable network and wireless network of the device both are fixed IP address. There is a problem you may encounter is can search the camera IP but can  $\Box$ t open the camera web page.you may try to use flush arp buffer.

#### • About IP Camera tool

You can view IP camera tool version and ActiveX version..

# 4.3 Login IP camera

•Double click the IP address of the IP Camera listed IE will be opened automatically and display the camera login page Or Access the camera by IE browser directly, type in the camera $\Box$ s IP address. For example :http://192.168.1.111:8999. (We suggest you use IE browser for it has more function.



Picture 17

•IP camera Default username is admin, no password. And Click "Sign in" to enter the monitoring page







Picture 19

- •When Users login in, they can view images. At the same time, users(Administrator, Operator or Visitor) can operate according to their permissions
- By Firefox and sofari browser as below:



Picture 20



Picture 21

# 4.4 IP camera operation

## 4.41 For Visitor

For example: if

is bright ,the first route is at status of Detection(Only IE Broswer can view it)



Picture 22

The right upper is status's indicator area which can show 9 IP camera status.

- When the button is gray, it means IP camera didn't connect
- Green means IP camera has connected
- Yellow means there is something wrong with connection
- Red means it is the status of alarm

If you want to detect 9 views , need to click this icon

OSD: Display date and time on the video. You can disable the OSD function or choice other color.

(OSD:on-screen display)

Snapshot: Click icon **I** to snap the picture.

REC: Click icon **I** into REC mode, **I** is stop.

Note: the record file name is: device Alias\_ Current time.Avi

For example: IPCAM\_20101011134442.Avi

It means the device alias is IPCAM and its record's end time is : At 13:44:42 on

It means the device alias is IPCAM and its record's end time is : At 13:44:42 on October 11, 2010.When use motion detection and checked Send Mail on Alarm. The name of the picture received in mailbox is like this: device id(Alias)\_ Current time.jpg

# 4.42 For operator

When login as operator, you can operate Pan/Tilt and adjust video parameter.



Picture 23

Direction control: click the different arrow will get different direction view



Horizontal patrol

Stop patrol





Image fluctuation flip(up and down)

Image around flip (right and left)

Even Set Preset : (can set 4 preset)

Resolution::VGA (640 X 480) / QVGA(320 X 240)

Work Mode :50Hz/60Hz/Outdoor

color parameter: Click **I** or **I** can adjust brightness and contrast .

#### 4.43 For Administrator

When you login as administrator, you can set all parameters. Please click "For Administrator" and enter into setting interface .

		Device Info
	Device Status	Alias Settings
Device ID	00606E001B4F View Device ID, Device Firmware	Date&Time Settings
Danica Eigenman Varian	0.37.2.44	Users Settings
Device Filmware version	Version and Device Embedded	Multi-Device Settings
Device Embeded Web UI Version	0.2.9.12	Basic Network Settings
Alias	test 01 Web UI Version	Wireless Lan Settings
Alson Status	None	MSN Settings
		DDNS Service Settings
DDNS Status	topipcam Succeed http://c0001.topipcam.org:8999	Mail Service Settings
UPnP Status	UPhP Succeed	Ftp Service Settings
MSN Status	Succeed	Alarm Service Settings
		PTZ Settings
	Retresn	Upgrade Device Firmware
	/ [_]	Backup & Restore Settings
		Restore Factory Settings
Check Device all	kinds of	Reboot Device
		Log
status	Carry on Settings and	Back
	operation function	

Picture 24

Alias Settings: You can Input the new name as you like.

Data &Time Settings: Data &Time Settings page.

**Users Settings:** Eight accounts are acceptable for this system. Here the eight users can configure their user names and password as Administrator, Operator or Visitor.

- Visitor: In this mode, you can only view.
- **Operator:** You can control the direction of IP Camera and set some parameter.
- Administrator: You can setup the advanced configurations of the IP Camera.

UpnP Settings: If you access IP Camera, to be make sure UpnP Status is Succeed.

**Upgrade Device Firmware:** Upgrade Device Firmware and device embedded web UI software in this page.

Restore Factory Settings: Restore factory settings of the device.

Reboot Device: Reboot the device.

Back: Back to Monitoring Mode.

# **5 Visit IP Camera in internet**

# 5.1 Connection way in Internet





#### **Related setting and login IP camera**

1. If the network your IP camera using is using static IP, you just need to input this IP address and IP camera's port in the browser, then it can visit Ip camera.

2. If you are using ADSL to dial-up and surf on line, you should obtain IP Camera Current WAN IP Address or configured DDNS.

#### 1) There are four ways for you to obtain WAN IP Address:

①Using mail to send internet IP function

After setting mail successfully, IP will send mail to your receiver e-mail box when Internet IP or port has changed. If it is dynamical IP, users need to input this IP address to visit this IP camera.

#### 2 Obtain from some website

It is very easy for you to obtain WAN'S IP address. You can open browser on the computer on the condition that IP camera and PC are the same subnet. For example:: <u>http://www.whatismyip.com</u>.or <u>http://www.myip.cn</u> etcs., It will tell you WAN'S IP address as shows below.



Picture 26

(3)Obtain from MSN and IP camera's MSN ACCOUNT( Details 3.53)

#### (4) Obtain from router

We take" Nur8555M " from " Xinxiang" 's router as example

A.According to router's manual, we get Router's IP is 192.168.1.,1

B.Login in router,: Input 192.168.1.1 in the browser. Find the status of Router and find Router's WAN( In this example, WAN'S IP is 116.24.235.122; As shows Picture 27.

TP-LINK'						
	WAN			^		
Status	N	IAC Address:	D8-5D-4C-2F-E3-55			
Quick Setup		IP Address:	116.24.235.122			
QSS		Subnet Mask:	255.255.255.255			
Network	Defa	ult Gateway:	116 24 235 122			
Wireless	bell	DNE Concert	202 98 129 188 202 98 124 122			
DHCP		DNS Server:	202.50.125.100 , 202.50.134.135			
Forwarding		Online Time:	0 day(s) 00:47:45			
Security						
Parental Control	Traffic Statistics					
Access Control				1000		
Advanced Routing			Received			
Bandwidth Control		Bytes:	156477917			
IP & MAC Binding		Packets:	219054	=		
Dynamic DNS						
System Tools	Syst	em Up Time:	0 days 00:48:15			

Picture 27

Now you can visit IP Cam from Internet. What you should do is to Input correct IP address . For example: <u>Http:// 116.24.235.122:8999</u>.

Note: Make sure the Port's UPNS is available. You can open UPNP via the following ways.

• Enter into Routers' setting page( Details : Router's user manual) to make UPNP available. Or enable virtual mapping function. Add equipment IP address and port to the virtual mapping list,

TP-LIN	JK.		30 Model No
Status	^		
Quick Setup	V	irtual Servers	
QSS			
Network	10	Service Port	IP Addross
Wireless		service Fort	
DHCP	1	1888	192.108.1.18
Forwarding	2	99	192.168.1.159
- Virtual Servers	3	8999	192.168.1.111
- Port Triggering			
- DMZ	CA	dd New) Enable	All Disable All Delete All
- UPnP			



Users can access the Internet from IPCAM device. Input address .For example, <u>Http:// 116.24.235.122:8999</u>
2) DDNS (dynamic DNS) service is the Internet domain name can be fixed and dynamic IP address real-time corresponding (analysis) service. Simplely said, whenever user surf on internet or what kind of way you are using the Internet, get a what kind of IP address, IP address whether it will change, DDMS can ensure that a fixed domain name can access to a user's device.



Our products have been configured the DDNS services, of course, you can also apply for the domain name in registration website for one of your own domain name to configuration. For example: <u>www.dyndns.org</u>



You need fill in DDNS and port. for example: (<u>http://c0001.topipcam.org;8999/</u>). The browser will jump to IP camera's login page. .

🖉 Device(test 01) - Windows Internet Explorer		
🚱 🗢 😰 http://c0001.topipcam.org:8999	✓ →	
Service Favorites Picture 30		
🖉 Device(test 01) - Windows Internet Explorer		
E http://c0001.topipcam.org:8999/index1.htm      Favorites     E Device(test 01)	▼ ↔ 🗙 🖻 搜狗	<b>₽</b> -
Network Camera   Language: English    User: admin   Password:   Sign in   ActiveX IE-specific		
Done	rnet 🦓 👻 🔍 100	% •

Picture 31



The input device user name and password to login to equipment

• If input domain name, but can't open IP camera in the browser, such as the situation is as blows

🖉 HTTP 404 Not Found - Windows Internet Explorer	
C C C F http://c0001.topipcam.org:8999/index1.ht	✓ +→ ×
Favorites #HTTP 404 Not Found	
The webpage cannot be found	HTTP 404
Most likely causes: • There might be a typing error in the address. • If you clicked on a link, it may be out of date.	
What you can try:	
<ul> <li>Retype the address.</li> </ul>	
<ul> <li>Go back to the previous page.</li> </ul>	
Go to and look for the information you want.	
More information	

• Please open the device and check status of IP camera in the local area network, confirm whether UPNP function and DDNS is successful or not.

		Device Info
	Device Status	Alias Settings
Device ID	00606E001B4F	Date&Time Settings
Davica Firmwara Varsion	0 37 2 44	Users Settings
Device I minwate version		Multi-Device Settings
Device Embeded Web UI Version	0.2.9.12	Basic Network Settings
Alias	test 01	Wireless Lan Settings
Alarm Status	None	MSN Settings
DDMR Status	taningen Successf http://s0001.taningen agr/80000	DDNS Service Settings
DDING Status	topipcan success http://coori.topipcan.org.asss	Mail Service Settings
UPnP Status	UPhP Succeed	Ftp Service Settings
MSN Status	Succeed	Alarm Service Settings
	Refresh	PIZ Settings
		Racham & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log

Picture 34

• You need to set port mapping function successfully, to check whether the router UPNP function is available, if It was unavailable, please make it available refer to the routers user manual!

If you use TPLINK router, please refer to these instructions

• Through the uppp automatic mapping port to the network: input router IP address in the browser (such as "http://192.168.1.1/ >, the router IP addresses are written on paper label on the router house---- please set according to your own IP address), open the routers page" forward rules "> >" uppp set ", to ensure that the current state of uppp is "already available," as below:

rp-Lin	IK.					
tus						
k Setup	UPnP					
vork						
less	Current UPnP Status: Enabled	[[	lisable			
ж Т		_				
tual Servers	Current UPnP Settings List					
rt Triggering	ID App Description	External Port	Protocol	Internal Port	IP Address	Status
Z	1 test 01	8999	UDP	8999	192.168.1.111	Enabled
hP	2 test 01	2000	TCP	8999	192 168 1 111	Enabled

Picture 35

Note: some of the router interface without "UPNP Settings" option, then need to open the virtual server IP cameras in the local area network of mapping the connection IP address and port number

Virtual Servers	
ID Service Port IP Address Protocol	Status Modify
1 1888 192.168.1.18 ALL	Enabled Modify Delete
2 99 192.168.1.159 ALL	Enabled <u>Modify Delete</u>
3 8999 192.168.1.111 ALL	Enabled <u>Modify Delete</u>
Add New Enable All Disable All Delete All	

# 6 Access IP camera via mobile equipment such as mobile phone,Ipad Etcs.

There are two kinds of ways to access IP camera: One is to input IP address in browser directly, It can be IP address and also can be DDNS. Another is to use clients to visit.!

# 6.1 Input IP address in browser

1 We take IPAD as example as blows: Open browser "Safari"









•enter your account and password on the login page as shown By default, administrator's username is: admin and no password.



Picture 39

•Choose language according to your demand and choose login mode according to your



Picture 41

# •Open IP camera successfully



Picture 42

#### 2 Now we take Android system device as example:

Open menu and firstly open the browser, and input IP camera 's IP address in the browser, for example: (http://c0001.topipcam.org: 8999)



• Input IP camera's username and password and click " sign in", and then enter into browser model to choose login-in interface.



Picture 44

#### 6.2 INSTALL CLIENT-SIDE SOFTWARE TO ACCESS IPCamera

There are many client software support IP camera, several third-party software support our IP cameras too. The following are our manufacture software setup process.(the Android version),

```
(0)
```

1. Pls get the install applications in the CD or you can download from the website: https://play.google.com/store/search?q=reecam&c=apps, Choose the right

①installation file-ipcamera.apk.

running environment: Android version 1.6 or above

Note: Please ensure that mobile phones can connect to the Internet before install.

#### ②. Install method:

- 2.1 Insert SD card into Android mobile phone.
- 2.2 Connect the cellphone to computer via USB data cable
- 2.3 Choose the USB connection model on your cellphone; you can see the SD driver in "my computer"
- 2.4 Copy the ipcamera.apk into SD card.
- 2.5 Disconnect the device, pls find the ipcamera.apk in "File Management" and run it.
- 2.6 The ipcamera application will be show up on the home screen after you successfully installed.

③Software operation	:			
④Pls open Wi−Fi conn	ection first, and th	nen run the came	era applica	ition
<ul> <li>▲ ● </li> <li>★ ● </li></ul>	Connect wifi	ci in 1	* *	
停用所有无线连接		11 9 6.00 9	Blade B Dev Tools DSP1	
VVI-FI 已连接到 dlink				reecam
Wi-Fi 设置 设置和管理无线接入点	anan annliasti			IPCame THAN SOUTH
<b>蓝牙</b> <sub>打开蓝牙</sub>	programme of IP came		Spart Supervise De	-
<b>蓝牙设置</b> 管理连接、设置设备名称和可检测性	STORICALMO OT IT CAME		🔁 🔛 🤇	
<b>绑定与便携式热点</b> 将您手机的移动数据连接通过 USB 或作 式 WI-FI 热点分享	乍为便携			
虚拟专用网设置 设置和管理虚拟专用网				

• Click Add New, then refresh the camera search tool.

Add New	Camera List	Finish	Return	Search	Refr esh	Mar ual
🖌 Onlin	ie 📝 Offline 🗌	Alarm	<ul><li>192.168.</li><li>192.168.</li></ul>	1.111 1.5	XJ7:14 14 2	57

• choose the ip address in the camera list and start real rime monitoring:



Choose IP camera list, and to view or change basic configuration and

🖕 🍈 🖞		📚 📶 🔒 14:50	🍆 🛎 🌵	Ţ	📲 🚨 14:5
Return	Camer Proper	a Preview	Return	Camera Video	Save
lost	192.168	1.1.111	11 EEE		₹存摄像≶
ort	<b>89</b> 99				
lser	admin				
assword			Camera Stat	US	CONNECT
lame	192 168	1 111	Audio		关闭
I CELLINE	152.100		Talk		关闭
udio Buffer T	'ime(ms)	1000	Record		关闭
查看或更改摄	像头配置	-	E.		
			Camer	a List Vid	eo List

 $\mbox{ }$  support switch on/off the audio, inter-comunication and video recording



• In Ip camera list, we can edit IP camera configuration and delete IP camera operation.





• PTZ control





2. The IPCamera setting process for iPhone iPad

Firmware requirements: compatible with iPhone, iPod touch, and iPad.

Systerm requirements: Requires iOS 4.2 or above,

You can download the genuine software (ipcamera.app) form the App Store: <a href="http://itunes.apple.com/cn/app/reecam/id479468959?mt=8">http://itunes.apple.com/cn/app/reecam/id479468959?mt=8</a>



# 7 Other setting

# 7.1 Network Setting

#### 7.11 Basic Network Settings

If the router that the IP camera connect has DHCP function, you can choice "Obain IP

from DHCP Server"else fill in the network parameters manually.

Http Port: In most cases, you can leave this value as 80, however, if your Internet

Service Provider blocks this port, you may switch to another port number such as, 85, 8080, 8888, 9000 Etcs.

(Range from 0 to 65535, pay attention to the same segment of multiple devices must set up different port. The port t can't have any conflict with other software or equipment

a. Search tools modification in LAN



b."For administor" For Administrator "Basic network setting" Basic Network Settings

-Change the port

			Device Info	
	Basic Network Settin	ngs	Alias Settings	
Obtain IP from DHCP Server			Date&Time Settings	
TD Addr	192 168 1 111		Users Settings	
IF AND			Multi-Device Settings	
Subnet Mask	255.255.255.0	192.168.1.1 Set Http Port Number		
Gateway	192.168.1.1			
DNS Sector	202 96 134 133	~~···	MSN Settings	
DIGUE			DDNS Service Settings	
Http Port	8999		Mail Service Settings	
	Submit Refres	sh	Ftp Service Settings	
			Alarm Service Settings	
			PTZ Settings	
			Upgrade Device Firmware	
			Backup & Restore Settings	
			Restore Factory Settings	
			Reboot Device	
			Log	
			Back	

#### Figure52

#### • 7.12 WIFI Setting

1) Please enter the wireless net setting page of the wireless Router to find out SSID, Channel(less than 10), Encryption Authentication as below:

TP-LINK <sup>®</sup>		
itatus		
uick Setup Wireless	Settings	
s		
twork	SSID	TPJINK 2EE354
reless	Periop:	
/ireless Settings	Region:	
Vireless Security	Warning:	Incorrect settings may cause interference.
Vireless MAC Filtering		
Vireless Advanced	Channel	Aito 💙
/ireless Statistics	Chainiei.	11ber setud
CP	Mode:	l logn mixed
rwarding	Channel Width:	Auto 🞽
curity	Max Tx Rate:	300Mbps 😒
rental Control		
cess Control		Enable Wireless Router Radio
vanced Routing		Enable SSID Broadcast
ndwidth Control		Enable WDS
& MAC Binding		
namic DNS		
retem Tools		Save

Wireless Security		
Wilciess Security		
O Disable Security		
ettings		
eourity O WEP	[	
AC Filtering	Automatic	
dvanced WEP Key Format:	Hexadecimal M	
tatistics Key Selected	WEP Key	Key Type
Key 1: 💿		Disabled M
Key 2: O		Disabled 🗠
Key 3: 🔾		Disabled M
Key 4: O		Disabled 🛩
outing		
Control O WPA/WPA2		
nding Version:	Automatic 🛛 😭	
IS Encryption:	Automatic 💉	
Radius Server IP:		
Radius Port:	1812 (1-65535, 0 stands for	default port 1812)
Radius Password:		
Group Key Update Period:	0 (in second, minin	ium is 30, 0 means no update)
WPA-PSK/WPA2-PSK		
Version:	Automatic 🖌	
Encryption:	Automatic	
PSK Password:	WPA-PSK 12345678	
	(You can enter ASCII characters	between 8 and 63 or Hexadecimal characters between 8 and 64.)
Group Key Update Period:	0 (in second, minin	um is 30, 0 means no update)

Figure 54

As Administrator to Login camera, open wireless LAN Settings page, fill in every

Setting (ensure keep the same as router's ), and then pulled out of the cable, wireless network function can be used. For example: as shown in belows

			Device Info
	Wireless Lan Settings		Alias Settings
			Date&Time Settings
	Pls click the scan b	outtom twice.	Users Settings
Wireless Network List			Multi-Device Settings
			Basic Network Settings
	Scan Scaning		Wireless Lan Settings
Union Winsters Leo			MSN Settings
Using whereas Lan			DDNS Service Settings
	Submit Refresh		Mail Service Settings
			Ftp Service Settings
			Alarm Service Settings
			PTZ Settings
			Upgrade Device Firmware
			Backup & Restore Settings
			Restore Factory Settings
			Reboot Device
			Log
			Back
	Wireless Lan Settings		Alias Settings
1	Wireless Lan Settings		Allas Serungs
	test20[90e008004c21] if	Ifra None	Untext fine Settings
	ChinaNet-9iFZ[4e00001	e10bd1 infra WPA/WPA2-PSK	Multi Durice Settings
Wireless Network List	TP-LINK_2FE354[0000d	185d4c2f] infra WPA/WPA2-PSK	Davic Natural: Sattings
			Wireleys I on Settings
	Scan		VITEIESS Lait Settings
Using Wireless Lan			IDNS Samira Sattings
SSID	TP-LINK_2FE354	Double click to choose	Mail Service Settings
Natural Trans		Double cher to choose	Ftp Service Settings
Network Type			Alarm Service Settings
Encryption	WPA2-PSK(AES) 🗙		PTZ Settings
Share Key	12345678		Upgrade Device Firmware
	Submit Rassh		ckup & Restore Settings
		Fill the encryption an	estore Factory Settings
		in the encryption an	Reboot Device
		routers and key in th	e Log
			Back
		same way	

Figure 56

- 7.13 Adhoc point to point Wireless connection Setting
  - 1) Open the basic network setting interface, check the device status

	5	Device Info
	Basic Network Settings	Alias Settings
Obtain IP from DHCP Server		Date&Time Settings
TD Adds	192 180 1 111	Users Settings
1P Addr	132.100.1.111	Multi-Device Settings
Subnet Mask	255.255.255.0	Basic Network Settings
Gateway	192.168.1.1	Wireless Lan Settings
DNS Server	202 98 134 133	MSN Settings
DIVO DEVE	202.00.101.100	DDNS Service Settings
Http Port	8999	Mail Service Settings
	Submit Refresh	Ftp Service Settings
		Alarm Service Settings
		PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
	remember the IP address	Of Reboot Device
	ID comore and little next	Log
	IP camera and http port	Back



2)Open the wireless lan setting interface, choose Adhoc for network type, you can define SSID such as 001

2		Device Info
	Wireless Lan Settings	Alias Settings
	NEO Office[90e5d85d4c2f] infra WPA/WPA2	2-PSK Date&Time Settings
	test25[9fe5d85d4c2f] infra None	Users Settings
Wireless Network List	ChinaNet-9iFZ[4e00001e10bd] infra WPA/WF	PA2-PSK Multi-Device Settings
	TP-LINK_2FE354[0000d85d4c2t] intra WPA/	Basic Network Settings
	Scan	Wireless Lan Settings
Using Wireless Len		MSN Settings
Comp whereas Lan		DDNS Service Settings
SSID	001	Mail Service Settings
Network Type	Adhoc 😒	Ftp Service Settings
Ferentian	Infra	Alarm Service Settings
Likiypton	Adhoc	PTZ Settings
	Submit Refresh	Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
	Click the Cettinger In	Comoro will Log
	Click the Settings, Ip	Camera Will Back
	rostart and savo	
	and the second second	
The device is ret	ooting. Don't shutdown it's powe	r. Please waiting 20

#### Picture 58

3)Unplug the RJ45 from IP camera .Use laptop or other devices which are with wifi function( include smart phone, ipad and so on) searching the SSID you defined on proceess 2, then make a connection.

Network Tasks	Choose	e a wireless network	
💋 Refresh network list	Click an ite information	m in the list below to connect to a wireless network in r. 1.	ange or to get more
Set up a wireless network for a home or small office	((ဓူ))	test18	-0
	U	Unsecured wireless network	BUDDe
Related Tasks	((0))	ChinaNet-xjCm	
(i) Learn about wireless		📅 Security-enabled wireless network (WPA)	0000
networking	((0))	TP-LINK	
Change the order of preferred networks		Unsecured wireless network	•000a
🎲 Change advanced		001	On Demand
settings		Unsecured computer-to-computer network	1000
		Because security is not enabled on this network, info network might be visible to others. To connect to this Connect.	rmation sent over this network, click

#### Picture 59

• Click wireless network and check the link status of ip camera. Please note IP address of your connected laptop must be the subset of your ip camera .if not, please reset the ip address of your laptop manually.

Connec	ction status		
<b>2</b> 1.	Address Type:	Manually Configur	ed
Sum	IP Address:	192.168.1.1	10
	Subnet Mask:	255.255.255	.0
	Default Gateway:	192.168.1	1.1
	Details		>
Mindow	a did not detect problems with	their -	
connect	ion. If you cannot connect, cli	ck Hepair	8

#### Picture 60

Now we can use the ip camera tool or enter ip address of camera derectly in browser blank to visit

1. visit by ip camera tool :

« 🜒 🌒



2: Enter ip address in the browser



Enter user name and password in the login interface

C Device(te	st 01) - Windows Internet Explorer			
00-	E http://192.168.1.111:8999/index1.htm		🖌 🖌 🔀 搜狗	<b>P</b> -
🔶 Favorites	Cevice(test 01)			
Done		Network Camera Language: English ♥ User: admin Password: Sign in ActiveX IE-specific		
Done			v <u>a</u> t 4	100%
		Picture 62		

Click "Sign in" and visit



Picture 63

# 7.2 Multi-Device Settings

#### • Add cameras in LAN

In the Multi-Device Settings page, you can see all devices searched in LAN. The 1

St Device is this device in default. You can add more cameras list in LAN for monitoring. This Web software supports up to 9 IP Cameras online simultaneously. Click "The 2ND

Device" and Double click the item in the "Device List in LAN", Alias, Host and Http Port will fill in automatically. Enter the correct username and password then click "add".Add more cameras in the same way. At last, please don't forget the "setting" Button

		Device Info
	Multi-Device Settings	Alias Settings
	test 01(192.168.1.111)	Date&Time Settings
	IP speed dome camera(192.168.1.159)	Users Settings
Device List in Lan		Multi-Device Settings
		Basic Network Settings
	Refresh	Wireless Lan Settings
The 1st Device	This Device	MSN Settings
The 2nd Davies	Mare	DDNS Service Settings
The 2nd Device	IN ment down and a	Mail Service Settings
Altas	IP speed dome camera	Ftp Service Settings
Host	192.168.1.159	Alarm Service Settings
Http Port	99	PTZ Settings
Uear	admin	Upgrade Device Firmware
034		Backup & Restore Settings
Password		Restore Factory Settings
	Add Remove	Reboot Device
The 3rd Device	None	Log
The 4th Device	None	Back
The 5th Device	None	
The 6th Device	None	
The 7th Device	None	
The 8th Device	None	
The 9th Device	None	

Picture 64

#### • Add cameras in the Internet

Firstly, make sure the camera added can access in the Internet with the IP address or

DDNS domain. Like this: http://219.113.200.166:9999or http://IPcam.dyndns.org:9999。 You can enter the Host:: 219.113.200.166 Http port: 9999 or Host:: IPcam.dyndns.org Http port: 9999. Enter the correct username and password then click "add". Add more cameras in the

#### same way.

		Device Info
	Multi-Device Settings	Alias Settings
	test 01(192.168.1.111)	Date&Time Settings
	IP speed dome camera(192.168.1.159)	Users Settings
Device List in Lan		Multi-Device Settings
		Basic Network Settings
	Refresh	Wireless Lan Settings
The 1st Device	This Device	MSN Settings
The 2nd During	TD second dama summer(102.168.1.160)	DDNS Service Settings
The 2nd Device	IP speed dome camera(192.108.1.159)	Mail Service Settings
The 3rd Device	None	Ftp Service Settings
Alias	outdoor test	Alarm Service Settings
Host	219.133.200.165	PTZ Settings
Http Port	9999	Upgrade Device Firmware
lier	admin	Backup & Restore Settings
USE		Restore Factory Settings
Password		Reboot Device
	Add Remove	Log
The 4th Device	None	Back
The 5th Device	None	
The 6th Device	None	
The 7th Device	None	
The 8th Device	None	
The 9th Device	None	

Picture 65



Picture 66

# 7.3 MSN Settings

Fill in your MSN account and password, then add account which need to receive IPCAM'S ip address to IPCAM S MSN list (Picture 67), click submit then you'd better restart IP camera. After it ,login your MSN to add IPCAM's MSN account to MSN List that you can receive IPCAM's ip address.

		Device Info
	MSN Settings	Alias Settings
User	testooo01@msn.cn	Date&Time Settings
Deserved	Aplly for MSN account and passworf for IP cam	Users Settings
Password		Multi-Device Settings
	testooo02@msn.cn	Basic Network Settings
	testes 01 Press es	Wireless Lan Settings
	testooou3@msn.cn	MSN Settings
	testooo01@hotmail.com	DDNS Service Settings
MSN Friends List	testooo02@hotmail.com	Mail Service Settings
	testooo01@live.cn	Ftp Service Settings
	testoo01@live.cn	Alarm Service Settings
	Add about 10 MSN Accout	PTZ Settings
	Aud about 10 WISH Accout	Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
	Submit Refresh	Back



First login and click "add contacts " choose Add Contact ,then fill IPCAM's MSN account in "instant messaging address" ,click next then send offers.



## Figure68

Next:



Figure69





Add a Contact	Messenger
You're done!	
To add another contact, click If you are done adding conta	Add Another Contact. cts, click Finish.
	Add Another Contact
	< Back Finish Cancel

. Figure70

When IPCAM's MSN account shows online you can chat with it, input path command "url?" camera account will show its IP address in chatting box promptly as below :





You can input the IP address to browser then can browse ip camera as below:



Figure72

Attention: You should fill MSN account in IPCAM first.

# 7.4 DDNS Service Settings

DDNS Service: The system supports protocols from some DDNS providers: Dyndns.org. System support DDNS, such as topipcam.org, peanut shell, 3322.org, DynDNS provided IP.

topipcam.org	~
None	
topipcam.org	
Oray.net	0100303
DynDns.org(dyndns)	
DynDns.org(statdns)	0
DynDns.org(custom)	
3322.org(dyndns)	
3322.org(statdns)	

User and Password: the user name and password used when applying for the domain

name.. (details: 4.3.2)

DDNS Host: the Domain Name

#### 7.4.1 Factory DDNS

Device had distributed one DDNS to every product.which was sticked the bottom

of the product. Such as:

manufacturer had already give every device a DDNS address which is unique. Users only need to fill in this DDNS IP ADDRESS and port in the browser, then they can monitor remote IP camera



	DDNS Service Settings
DDNS Service	topipcam.org 😪
DDNS User	c0001
DDNS Password	•••••
DDNS Hostname	http://c0001.topipcam.org:8999
	Submit Refresh

#### Picture 74 Factory DDNS

Note: When use the domain name access to the camera and UPNP is not successful, you must set port mapping function on routers.

#### 7.4.2 The third part DDNS

Users can use not only Factory DDSN, but also can use third part DDNS System. Such as domain name <u>www.dyndns.org</u>. The only thing the user need to do is to apply a free DDNS and then fill in "set box" as below. Save this setting and this DDNS can be used.

		Device Info
	Alias Settings	
DDNS Service	DvnDns.org(dvndns)	Date&Time Settings
DDNS User	bar1119	Users Settings
DDIV3 User	narris	Multi-Device Settings
DDNS Password	•••••	Basic Network Settings
DDNS Hostname	reotest1.dyndns.org	Wireless Lan Settings
Pa Lindata Ignoring All Ecrora	🗖	MSN Settings
Re-opdate ignoring An Errors	DDNS Service Settings	
	Mail Service Settings	
		Ftp Service Settings
		Alarm Service Settings
		PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back

Note: the third party domain name is the realization of analytical way, input the domain in the browser, it will keep this string of characters. If the port of the device isn't 80, then need to add colon and port number .For

example: http://reotest1.dyndns.org:8999

# 7.5 Mail and FTP Service

**1)** Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up.

Note: When Alarm Service Settings—> Send Mail on Alarm is check, the Mail Service takes effect.

		Device Info
	Alarm Service Settings	Alias Settings
Motion Detect Armed		Date&Time Settings
Motion Datast Sansibility		Users Settings
Motion Delect Sensionity		Multi-Device Settings
Alarm Input Armed		Basic Network Settings
IO Linkage on Alarm		Wireless Lan Settings
Send Alarm Notification by Mail		MSN Settings
Send Harm Notification by Mai		DDNS Service Settings
Upload Image on Alarm		Mail Service Settings
Upload Interval (Seconds)	5	Ftp Service Settings
Path	C:\Documents and Setting	Alarm Service Settings
1 401		PTZ Settings
Scheduler		e e
	Submit Refresh video Local storage in PC af	ter alarm monitoring
		s
		Log
		Back



Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up.

Sender: This device use the sender mailbox to send mails.

Receiver: To receive the mail from the Sender. You can set up to 4 receiver mailbox.

SMTP Server: the SMTP server for the sender mailbox

**Need Authentication:** if the sender mailbox need authentication, you should check it then input the SMTP username & Password.

Mail test: Please set the Mail parameter and click "Submit" first. There are Mail test result.

			Device Info
	Alias Settings		
Sender	test@sina.com		Date&Time Settings
Receiver 1	test@163.com		Users Settings
			Multi-Device Settings
Receiver 2	test@gmail.com		Basic Network Settings
Receiver 3			Wireless Lan Settings
Receiver 4			MSN Settings
			DDNS Service Settings
SMTP Server	smtp.sina.com		Mail Service Settings
SMTP Port	25		Ftp Service Settings
Transport Laver Security Protocol	None 🗸		Alarm Service Settings
. , ,	Gmail only support TLS at	465 port and STARTTLS at 25/587	PTZ Settings
	port.		Ungrade Device Firmware
Need Authentication		Device(test 01) - Windows In	ternet Explorer
SMTP User	test		
SMTP Password	•••••	Favorites Cevice(test 01)	
	Test Please set at first,	and	
Report Internet IP by Mail		Test Succeed	
	Submit Refresh		

Picture 77

Gmail also set as the same: It only needs you to fill in correct SMTP Sever address, user and password.

			Device Info
	Mail Service Settings		Alias Settings
Sender	test@gmail.com		Date&Time Settings
Receiver 1	test@163.com		Users Settings
President 2	trat@size.com		Multi-Device Settings
Receiver 2	test@sina.com		Basic Network Settings
Receiver 3	test@gmail.com		Wireless Lan Settings
Receiver 4			MSN Settings
			DDNS Service Settings
SMTP Server	smtp.gmail.com		Mail Service Settings
SMTP Port	25		Ftp Service Settings
Transport Laver Security Protocol	STARTTI S 🗸		Alarm Service Settings
	Gmail only support TLS a	t 465 port and STARTTI S at 25/587	PTZ Settings
	port.	a 405 port and STARTIES at 25/58/	Ungrade Device Firmware
Need Authentication		C Device(test 01) - Windows I	nternet Explorer
SMTP User	test	🕞 💬 🗢 🙋 http://192.168.1	.111:8999/test_mail.htm 💟 😽 🗙
SMTP Password	•••••	Favorites 🏾 🏀 Device(test 01)	
	Test Please set at firs	t, and	
Report Internet IP by Mail		Test Succeed	
	Submit Refresh		

Picture 78

Mail notes Internet IP address: In this option, When Internet IP and port have changed, IP Will be sent via mail.

1 Can not connect to the server

2 Network Error. Please try later

3 Server Error

4 Incorrect user or password

5 The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again.

6 The receiver is denied by the server. Maybe because of the anti-spam privacy of the server

7 The message is denied by the server. Maybe because of the anti-spam privacy of the server

8 The server does not support the authentication mode used by the device

**Report Internet IP by Mail:** When ipcam port or Internet IP changed, it will send the internet IP by mail.(for example: IPCAM 's url is http://119.123.207.96:9002). Make sure the port is map to the router correctly by UPNP or Virtual Map function.

#### **2)** FTP Server use and settings

• If you already have an FTP Server (ipcam. com) and email ipcam, you can fill the parameters as below:

1955			Device Info
	Alias Settings		
FTP Server	IPCam.com		Date&Time Settings
FTP Port	21		Users Settings
111100	21		Multi-Device Settings
FTP User	IPCam		Basic Network Settings
FTP Password	•••••		Wireless Lan Settings
FTP Upload Folder	1		MSN Settings
i ii opious i older			DDNS Service Settings
FTP Mode	PORT 📉	Device(test 01) - W	indows Internet Explorer
	Test Please set at first, an		
Upload Image Now			192.168.1.111:8999/test_rtp.ntm
Upload Interval (Seconds)	5	Favorites Cevic	e(test 01)
Specify Filename (exclude .jpg)			
Submit Refresh		Test Succeed	

Picture 79

#### • FTP Server of LAN as below:

1. Create an account



2. Step by step setting until finish it. !

What kind of permission	ons would you like	e to give this acc	ount on the ho	me directory?	
Allow Download					
Allow Upload					
Allow Rename					
Allow Delete					
Allow Create Direc	story				
Allow Directory Lis	ting (recommende	ed)			

User Account Wizard		×
	You have successfully entered all of the information required to create a new account. To save these settings, click Finish.	
	< Back Finish Cance	

Picture 82



#### Continue to finish it :

Quick 'n Easy FTP Server 3.2 Profess	ional
Start Stop Home Setup	
General Tasks 🛞	Configuration -
I Show Server Log	General Advanced Events
Show User Accounts  Show Configuration  Show Security Settings  Show Online Users  Show Server Statistics  Show Incoming Messages  Source States	General         FTP port:       21       Connection timeout (in minutes):       5         Max. connections:       10       Max. connections per IP:       3         Welcome message:       Welcome to Quick 'n Easy FTP Server         Goodbye message:       Bye
Show Configuration Help     Frequently Asked Questions	Startup settings       Logging         Launch FTP Server at Windows startup       Loglevel:         Automatically activate server at startup       Startup minimized in systemtray
	PASy settings IP address: Port range: 1024 65535 This is a FTP server address
P Server is online	0 bytes received 0 bytes sent

Picture 84

4. IPCAM'S account can be used.

Server Yiew Iools Help
Start: Stop Home Setup
General Tasks 🛞 User Accounts 👻
Show Server Log Users General Virtual Directories Advanced Info
Show User Accounts
Show Configuration Password: XXXXXXXX
🏠 Show Security Settings 🔹 Disable this account
Show Online Users
Show Server Statistics
Show Incoming Messages
User Account Tasks  Path: C:\Documents and Settings
Add New User Permissions: 🗹 Allow Download
Se Edit this User
Copy this User
A Delete this User
Allow Directory Listing (recc Save path
Virtual Directory Tasks 🍥
FTP Server is online 0 bytes received 0 bytes sent 🔘 🔘 🖉

Picture 85

#### 5. IP camera's FTP Server set like this

			Device Info
	Alias Settings		
FTP Server	192.168.1.150		Date&Time Settings
FTP Port	21		Users Settings
	21		Multi-Device Settings
FTP User	IPCAM		Basic Network Settings
FTP Password	•••••		Wireless Lan Settings
FTP Upload Folder	1		MSN Settings
ETD M. 4.			DDNS Service Settings
r IP Mode			Mail Service Settings
	Test Please set at fi	rst, and then test.	Ftp Service Settings
Upload Image Now		C Device(test 01) - Windows Inte	ernet Explorer
Upload Interval (Seconds)	5	A	1:8999/test_ftp.htm 🔽 🗲 🗙 🖪
Specify Filename (exclude .jpg)			
1 7 ( 10)	Submit Refresh	Favorites @Device(test 01)	
		Test Succeed	

Picture 86

6. Set up and complete testing is successful, when it alarms, IP camera will upload pictures to the FTP server Settings of main directory path (as shown )





FTP Server: the FTP server address.

FTP port: the port usually is 21

**FTP Mode:** support standard(POST) mode and passive(PASV) mode.

Upload Image Now: it will upload image now when checkbox is not checked. When checked, you can input upload interval(Seconds)

# 7.6 Motion Detection

.Enter Alarm Service Settings page to configure Motion Detection function Motion Detect Armed

Each alarm triggers in the protection of time, the device will take various measures to alarm

- > IO linkage alarm output: relay closure, external alarm device began to alarm
- Send E-mail alarm informatio
- Transmit pictures to the FTP server, and can set the time interval of sending pictures;
- 1) Alarm time Settings

Only in the alarm period, detection device to alarm will only have alarm action. All the time (not check the schedule) also can alarm within specified time. For the specified time alarm, firstly need to set up the system time, time zone, and then to choose period of alarm in the state of alarm setting, as shown in Picture 19.

A	larm Service Settings
Motion Detect Armed	
Motion Detect Sensibility	5 💌
Alarm Input Armed	
IO Linkage on Alarm	
Send Alarm Notification by Mail	
Upload Image on Alarm	
Upload Interval (Seconds)	5
Path	C:\Documents and Setting Path
Scheduler	
Day 0 1 2 3 4 5 6 7 8	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Non in an and a statement of a statement of the	
Ext Sat	
	Submit Refresh

Picture88 Alarm of time Settings interface

#### **Motion Detect Armed**

When you enable motion detect armed, the camera can be triggered to send email alerts and record images. In the camera monitoring page, the green icon turn to red and an alert sound you will hear,



#### **Motion Detect Sensibility**

You can choose from low to high 10 level alarm sensitivity. The greater the number, the higher the sensitivity!

#### Send Mail on Alarm

Sent picture and mail inform to customer  $\Box$ s e-mail after alarmed.(firstly you should finish the Mail Service Settings.)

		Device Info
	Alias Settings	
Motion Detect Armed		Date&Time Settings
Motion Datast Canaibility		Users Settings
Motion Detect Sensionity		Multi-Device Settings
Alarm Input Armed		Basic Network Settings
IO Linkage on Alarm		Wireless Lan Settings
Sand Marm Notification by Mail		MSN Settings
Send Alarmi Notification by Mai		DDNS Service Settings
Upload Image on Alarm		Mail Service Settings
Path	C:\Documents and Setting Path	Ftp Service Settings
Scheduler	Tick: send to your setted mails	Alarm Service Settings
Schedulei	Tick. send to your setted mans	PTZ Settings
	Submit Refresh	Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		n 1



#### Upload Image on Alarm

Enable upload image on alarm and set upload interval(Seconds).

			Device In	ıfo
	Alarm Service Settings		Alias Sett	ings
Motion Detect Armed			Date&Time Settings	
Motion Detect Sensibility	5		Users Sett	ings
Motion Detect Sensionity			Multi-Device S	Settings
Alarm Input Armed			Basic Network	Settings
IO Linkage on Alarm			Wireless Lan	Settings
Send Alarm Notification by Mail			MSN Setti	ngs Settings
Upload Image on Alarm		After Setting up later who	n have the	ttings
Upload Interval (Seconds)	5	Arter Setting up later ,whe		tings
Path	C:\Documents and Se	alarm ,the image will	send to	ettings
		designated email and FTP s	server	<u>zs</u>
Scheduler				irmware
	Submit Refresh		<b>Баскир &amp; Restor</b>	e Settings
			Restore Factory	Settings
			Reboot De	vice
			Log	
			Back	

Picture 91

REC automatically and save to PC

When you enable motion detect and open the camera monitoring page on the PC. If there is an alarm triggered, REC will start automatically for several seconds and save to the PC.

		Device Info
	Alias Settings	
Motion Detect Armed		Date&Time Settings
Motion Datact Sansibility	5	Users Settings
Wollon Detect Sensiolity		Multi-Device Settings
Alarm Input Armed		Basic Network Settings
IO Linkage on Alarm		Wireless Lan Settings
Sand Alarm Natification by Mail		MSN Settings
Send Alarm Nouncation by Mai		DDNS Service Settings
Upload Image on Alarm		Mail Service Settings
Upload Interval (Seconds)	5	Ftp Service Settings
Dath	C:Documents and Setting	Alarm Service Settings
1 401		PTZ Settings
Scheduler		Upgrade Device Firmware
	Submit Refresh	Backup & Restore Settings
		Factory Settings
	Storage path can be	changed boot Device
		Log
		Back

Picture 92



## Picture 93

# 7.7 IP camera's Time & Date setting and PTZ Setting

If IP camera connected with Internet, it can automatically check the time & date via running NTP Server. And need to choose properly IP camera's Time zone. Otherwise it need PC Time to check IP camera time & Date.

	Date&Time Settings			
Device Clock Time	2012年3月22日 6:54:17			
Device Clock Timezone	(GMT) Greenwich mean time; London, Lisbon, Casablan 😒			
Sync with NTP Server				
Ntp Server	time.nist.gov 💌			
Sync with PC Time				
	Submit Refresh			

Picture 94

Pre-set and Speed of PT.

	PTZ Settings
Disable Preset	
Go Preset on boot	center 💌
PT speed	5
Upward patrol speed	3
Downward patrol speed	3   •   The huger the Number is, The
Leftward patrol speed	3 v slower it will be.
Rightward patrol speed	3 👻
	Submit Refresh

Picture 95

# 7.8 UPGRADE DEVICE FIRMWARE

Upgrade De	vice Firmware
Upgrade Device Firmware	Browse Submit
Upgrade Device Embeded Web UI	Browse Submit

Picture 96 Firmware upgrade

IP CAMERA has two kinds of programme: One is system firmware, another is application firmware. It can be upgraded separately.

# 7.9 BACKUP AND RESTORE SETTING

Click "Set" in the 'Backup" will lead to a BIN file params. bin, and choose this file to restore setting!

Backup & Restore Settings				
Backup	Submit			
Restore	Browse Submit			

Picture 97

# **8 APPENDIX**

# 8.1 REGISTER AND APPLY FOR DDNS SERVICE

# 1. Users use DDNS management system first time.Users need to apply account to manage and inquire the domain state.

Step1: enter <a href="http://www.dyndns.com/">http://www.dyndns.com/</a> and Create Account.( Fill in Domain Name .dyndns.org then Click Add)



Figure98

#### Step2: enter your information

2 <del>-</del> 2	remove	\$0.00	
	Sub-Total:	\$0.00	
	Order	Total:	\$0.00
	-	- remove Sub-Total: Order	- remove \$0.00 Sub-Total: \$0.00 Order Total:

#### Create account or log in to continue:

Username:	har1119	Already Registered?
Password:	•••••	Username
Confirm password:	•••••	
Email:	szneoD2@126.com	Password
Confirm Email:	szneo02@126.com	
Security Image:	7 4 3 1	Log in Forgot your password?
	Enter the numbers from the above image: 78431	
Subscribe to:	🔽 DynDNS.com newsletter	
	(1 or 2 per month) ☐ Dyn Inc. press releases	
	the acceptable use policy (AUP) and privacy policy. Create Account	]

Figure99

O DynDNS.com		1	DNS & Domains Email Services Performance & Securit		Performance & Security	
			What are you	looking for?	Search	
Why DynDNS.com?	Services & Pricing	Support			Have an acc	ount? Join NOW Sign In
)ne more step to go.						
Ve've sent an email to sznu onfirmation link.	eoO2@126.com, to verify	your account. Plea	ase check your inbo	x and click on the		0
f you do not receive the email	in the next few minutes you	can try <u>resending it</u> .				
'hanks for choosing DynDNS.co	om!					

#### Figure100

Step3: After a minute, you will receive an E-mail from DynDNS Support and it will give you a confirmation address

(e.g. https://www.dyndns.com/confirm/create/e-YS60Gz9oBASMm7rbO6AA

Your DynDNS.com Account 'har1119' has been created. You need to visit the confirmation address below within 48 hours to complete the account creation process:

https://www.dyndns.com/confirm/create/e-YS60Gz9oBASMm7rbO6AA

Our basic service offerings are free, but they are supported by our paid services. See http://www.dyndns.com/services/ for a full listing of all of our available services.

If you did not sign up for this account, this will be the only communication you will receive. All non-confirmed accounts are automatically deleted after 48 hours, and no addresses are kept on file. We apologize for any inconvenience this correspondence may have caused, and we assure you that it was only sent at the request of someone visiting our site requesting an account.

Sincerely, The DynDNS.com Team Dynamic Network Services Inc.

Figure101



Figure103

<b>D</b>			DNS & Domains	Email Services F	Performance & Security
Dynamic Network Services Inc.		What are you looking for? Se			
Why DynDNS.com?	Services & Pricing	Support	W	elcome har1119 (FREE)	My Account Lo
/ly Account	Free Services Chec	kout			
1y Services					
Account Settings	Once you have confirmed t	ne contents of your cart yo	our services will be instantly acti	vated.	
Billing		Service		Period	Price
Active Services	Dynamic DNS Hosts				
Auto Renew Settings Order History	neotest1.dyndns.org		-		\$0.00
Billing Profile				Sub-Tot	tal: \$0.00
				Activ	ate Services >>
WE'RE HIRING	•			r	view our efund policy
Powered by C Dyn					

Figure104

**Step6:** Now you obtained a Dynamic Domain Name(Figure 8.4),and can use it in the **DDNS Service Settings**(details: 3.5.4)

			DNS & Domai	ns Email Services	Performance & Security	
			What are	What are you looking for?		
Why DynDNS.com?	Services & Pricing	Support	Welcome <b>h</b>	ar1119 (FREE) My A	ccount My Cart Log	
/ly Account	Host Services	_		_	1 My Ser	
1y Services						
rynamic DNS Pro	<u>Hostname</u>	Service	Details		Last Updated	
nternet Guide	neotest1.dyndns.org	Host	113.87.251.16	Jan. 18, 2	2011 9:06 PM	
A						
emier Support	<u>» Host Update Logs</u>				Add New Host	
one Level Services omain registration and ansfer, DNS hosting, mail services						
ost Services ynamic DNS hosts, WebHop RL Forwarding	Join the discussion in the D	ynDNS Community for ti	ps and tricks, demos, suggest	ions, user help and r	nuch more.	
	Check out what our users a	no talking about balawy				

**2.**For DDNS which is applied successfully, you can fill in the IP CAMERA. When set successfully, the status of IP will be shown as blows:

14 <sup>1</sup>		Device Info
	Alias Settings	
DDNS Service	DynDns.org(dyndns)	Date&Time Settings
DDNS User	har1119	Users Settings
		Multi-Device Settings
DDNS Password	•••••	Basic Network Settings
DDNS Hostname	reotest1.dyndns.org	Wireless Lan Settings
Re-Undate Ignoring All Errors	naver do this unless your hostname has been unblocked	MSN Settings
Re-opdate ignoring An Litors		DDNS Service Settings
	Submit Refresh	Mail Service Settings
		Ftp Service Settings
		Alarm Service Settings
		PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back

picture 106

		Device Info
	Alias Settings	
Device ID	00606E001B4F	Date&Time Settings
Device Firmware Version	0 37 2 44	Users Settings
Device I minwate version	0.57.2.11	Multi-Device Settings
Device Embeded Web UI Version	0.2.9.12	Basic Network Settings
Alias	test 01	Wireless Lan Settings
Alarm Status	Nana	MSN Settings
Alarm Status	None	DDNS Service Settings
DDNS Status	DynDns Succeed http://reotest1.dyndns.org.8999	Mail Service Settings
UPnP Status	UPnP Successd	Ftp Service Settings
MSN Status	Succeed	Alarm Service Settings
More Status		PTZ Settings
	Refresh	Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back

picture 107

#### 3. How to set DDNS on line?

The first way: Menu "start"- "run"—> Input CMD, Clink "enter". It can check DDNS Statas via. As shown below:

Microsoft Windows XP [Version 5.1.2600] (C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Administrator>ping reotest1dyndns.org:8999
Pinging reotest1dyndns.org:8999 [121.10.40.146] with 32 bytes of data:
Reply from 121.10.40.146: bytes=32 time=5ms TTL=58 Reply from 121.10.40.146: bytes=32 time=6ms TTL=58 Reply from 121.10.40.146: bytes=32 time=7ms TTL=58 Reply from 121.10.40.146: bytes=32 time=5ms TTL=58
Ping statistics for 121.10.40.146: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 5ms, Maximum = 7ms, Average = 5ms
C:\Documents and Settings\Administrator>

#### Picture 108

Through the PING command, this dynamic domain name can be back in the network response information. It proves that the domain name has been online.

If the domain name update not success! Possible reasons: (1) DDNS parameter is not correct. (2) may

cause: DNS address configuration is wrong.

## 8.2 Some special application for IPCAMERA

IPCam: Use some grammar parameter control and Use IPCam

```
user: user
pwd: password
pri: The current access (1: visitors 2:3: operator managers)
resolution: Image resolution (8: 320*24 0qvga, 32: 640*480 vga)
```

rate: mage transmission speed and scope 0-23
brightness: brightness, 0~255
contrast: contrast, 0~6
mode: Mode, 0:50 hz; For 60 hz; 2: outdoor
flip: Flip: rotation, 0: primitive; 1: vertical reverses; 2: horizontal; 3: vertical flip + horizontal

8.2.1 The flow media player VLC player and mplayer can real-time broadcast ipcamera and send

(Grammar parameters: /videostream.asf?user=&pwd=&resolution=&rate=)

of streaming media format video data.

As shown Picture 113 "Ipcam"

ress http://192.168.1.111:8999/index1.htm	3999/index1.htm	
Device Status       Do         Device ID       00606E001B4F         Device Firmware Version       0.37.2.44         Device Embeded Web UI Version       0.2.9.12         Alias       test01         Alarm Status       None         DDNS Status       DynDns Succeed         MSN Status       Succeed         MSN Status       Succeed         Refresh       PT         Upgrade I		
Device Status     Date &       Device ID     00606E001B4F     Date &       Device Firmware Version     0.37.2.44     Uset       Device Embeded Web UI Version     0.2.9.12     Basic Net       Alias     test01     Wireles       DDNS Status     DynDns Succeed     Multi.D       DPnP Status     UPnP Succeed     Multi Status       MSN Status     Succeed     Multi Status       Refresh     PT       Upgrade I		
Device Status     Alia       Device Firmware Version     0.37.2.44     Date & Use       Device Embeded Web UI Version     0.2.9.12     Basic Ne       Alias     test01     Wireles       Alarm Status     None     UPn       DDNS Status     DynDns Succeed     Multi J       UPnP Status     UPnP Succeed     Mail Se       Fip Ser     Alarm S     Protoceed       MSN Status     Succeed     Protoceed       UpnDrestatus     Succeed     Protoceed		Device Info
Device ID     00606E001B4F     Date&       Device Firmware Version     0.37.2.44     Use       Device Embeded Web UI Version     0.2.9.12     Basic Ne       Alias     test01     Wireles       Alarm Status     None     UPn       DDNS Status     DynDns Succeed     Mail Se       MSN Status     Succeed     Fip Ser       MSN Status     Succeed     PT       Upgrade I     Upgrade I     Upgrade I	Device Status	Alias Settings
Device Firmware Version     0.37.2.44     Use       Device Embeded Web UI Version     0.2.9.12     Basic Ne       Alias     test01     Wireles       Alarm Status     None     UPn       DDNS Status     DynDns Succeed     http://r eotest1.dyndns.org.8999     DNS S       UPnP Status     UPnP Succeed     Fip Ser       MSN Status     Succeed     Provide Interview	00606E001B4F	Date & Time Settings
Device Filliwate Version     0.37,244     Multi-D       Device Embeded Web UI Version     0.2.9.12     Basic Ne       Alias     test01     Wireles       Alarm Status     None     UPn       DDNS Status     DynDns Succeed     Multi-D       UPnP Status     UPnP Succeed     Mail Se       MSN Status     Succeed     Fip Ser       Alarm S     Refresh     PT       Upgrade I     Upgrade I		Users Settings
Device Embedd Web Ul Version     0.2.9.12     Basic Net       Alias     test01     Wireles       Alarm Status     None     UPn       DDNS Status     DynDns Succeed     http://reotest1.dyndns.org.8999     MSS       UPnP Status     UPnP Succeed     Fip Ser       MSN Status     Succeed     Fip Ser       Refresh     PT       Upgrade I	0.37.2.44	Multi-Device Settings
Alias     test01     Wireles       Alarm Status     None     UPr       DDNS Status     DynDns Succeed http://reotest1.dyndns.org.8999     DDNS S       UPnP Status     UPnP Succeed     Mail Se       MSN Status     Succeed     Fip Ser       Alarm S     Refresh     PT       Upgrade I     Upgrade I	Version 0.2.9.12	Basic Network Setting
Alarm Status     None     UPr       DDNS Status     DynDns Succeed http://r eotest1.dyndns.org.8999     DDNS S       UPnP Status     UPnP Succeed     Mail Se       MSN Status     Succeed     Fip Ser       Alarm S     Refresh     PT       Upgrade I     Upgrade I	test01	Wireless Lan Setting
DDNS Status DynDns Succeed http://reotest1.dyndns.org.8999 DDNS S UPnP Status UPnP Succeed Since	None	UPnP Settings
UPnP Status UPnP Succeed MSN Status Refresh UpnP Succeed	DynDns Succeed http://reotest1 dyndns org/899	MSN Settings
MSN Status  OFILP Status  OFILP Status  OFILP Status  Fip Set  Alarm S  PT  Upgrade I  Upgrade I	- June of the second	Moil Service Setting
MSN Status Succeed Alarm S Refresh PT7 Upgrade I	OFIIF SUCCCC	Fin Service Settings
Refresh PT. Upgrade I	Succeed	Alarm Service Setting
Upgrade I	Refresh	PTZ Settings
		Upgrade Device Firmwa
Backup &		Backup & Restore Settin
Restore I		Restore Factory Setting
Reb		Reboot Device
		Log

Picture 113

From the following picture, we can view that "Ipcam" local IP address is: <u>http://192.168.1.111:8999</u>, <u>WAN</u> IP Address is : http://reotest1.dyndns.org:8999, we can input"IPcam"'S IP address to open in the player.

	A	vlc.exe VLC media pla the VideoLAN	yer Team		
A VLC	media playe	er.			
Media	Playback Au	udio <u>V</u> ideo <u>T</u> oo	ols V <u>i</u> ew	<u>H</u> elp	
44 ] ••	044 🔳 D		111	<b>C X</b>	(h) 1005 (h) 1005 (h) 1005 (h) 1005

Picture 114

the "CLC media player" open play position:

A. 1	/LC media player		
Med	dia Playback <u>A</u> udio <u>V</u> ideo	Tools View He	lp
	Open File	Ctrl+O	- D4
	Advanced Open File	Ctrl+Shift+O	
	Open <u>F</u> older	Ctrl+F	
$\odot$	Open Disc	Ctrl+D	1.00x:/:
	Open Network Stream	Ctrl+N	
	Open Capture Device	Ctrl+C	
	Open Location from clipboard	Ctrl+V	
	Recent Media	٠	
	Save Playlist to Eile	Ctrl+Y	
	Convert / Save	Ctrl+R	
((•))	Streaming	Ctrl+S	
×	Quit	Ctrl+Q	



LAN play address;







Picture 117

Open the Internet play position:



As shown in the following picture, It can see the ipcamera send video streaming format



Picture 119

## 8.3 Frequently Asked Questions

Note:

- 1) Any question you would meet, please check Network connections firstly.
- 2) Check the working status revealed by the indicators on the network server, hub,

exchange and network card. If abnormal, check the network connections.

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

To reset the administrator username and password, Press and hold down the RESET

BUTTON for 5 seconds. Release the power button and the username and password

will be reset back to the factory default administrator username and password.

Default administrator username: admin

Default administrator password: No password

#### 8.3.2 IP Address configuration

Check whether IP address of the IP Camera server shares the same subnet as your work station: Click My Computer > Control Panel>Network & Dial-up Connections > LAN > Attributes >Internet Protocols (TCP/IP), and check IP Address and Subnet Mask. Make sure they are in the same subnet when configuring IP Camera IP address manually.Unable to access IP Camera via web browser

#### 8.3.3 Network Configuration

Double Check to ensure that your HTTP server software is configured and running properly. If you re running any firewall software, make sure it s allowing inbound connections to port 80,Also, if you happen to be using a cable/DSL router, make sure you ve set up port forwarding properly. (consult your router s documentation for more information). If none of these seem to be the problem, it s also possible that your ISP is blocking inbound connections to port 80 –many IPSs have done this because of internet worms such as Code Red, If this is the case, you "ll have to setup your HTTP server on an alternate port (such as 8080).

#### 8.3.4 No Monitoring picture

- It has four reasons Images of the abnormal factors:
- 1 If its not use Directx function and lead to not normal to display the color image.Please

install DirectX and open the start menu then input the command.

Device	Drivers
Name: ATI Radeon HD 4250	Main Driver: ati2dvag.dll
Manufacturer: ATI Technologies Inc.	Version: 6.14.0010.7119 (English)
Chip Type: ATI Radeon HD 4250 (0×9715)	Date: 26/08/2010 09:56:36
DAC Type: Internal DAC(400MHz)	WHQL Logo'd: No
Approx. Total Memory: 700.0 MB	Mini VDD: ati2mtag.sys
Current Display Mode: 1440 × 900 (32 bit) (60Hz)	VDD: n/a
Monitor: Plug and Play Monitor	DDI Version: 9 (or higher)
DirectX Features DirectDraw Acceleration: Enabled Direct3D Acceleration: Enabled Disable Disab	Test DirectDraw           Test Direct3D
Notes	
<ul> <li>The file ati2dvag.dll is not digitally signed, which means that it has Labs (WHQL). You may be able to get a WHQL logod driver from To test DirectDraw functionality, click the "Test DirectDraw" button to test DirectDraw functionality, click the "Test DirectDraw" button to test DirectDraw functionality. I the the "Test DirectDraw" button to the test DirectDraw functionality. I the the "Test DirectDraw" button to the test DirectDraw functionality. I the the "Test DirectDraw" button to the test DirectDraw functionality. I the test DirectDraw functionality for the test DirectDraw functionality for the test DirectDraw functionality.</li> </ul>	s not been tested by Microsoft's Windows Hardware Quality the hardware manufacturer. In above.

Picture 120

You use the DirectX function and it will expedite the DirectDraw,Direct3D and AGP, if its can not ,maybe the connect issues or hardware not read it.

2. The issues of hardware, can't support the card , expedite image.

3. The antivirus software will influence the network, it will be stoped or closed. If you install fireproof software please close it and try again.

4. ActiveX controller is not installed correctly

If its not image on the first time to use, and will display to the user through the ActiveX.If its can not display of the image, maybe it fail of install, about this issues, please follow as:

1.Install "IP Camera Tool", ActiveX control at the same time.

2.Please install ActiveX control and keep the security settings for IE browser .

#### 8.3.5 Problems with network bandwidth

The image frame rate is subjected to the following factors: 1.network bandwidth; 2. PC

performance, network environment and display preference setting (brightness, theme,

etc.); 3. the number of visitors (Too many visitors will slow down the image frame rate.); 4.

choice of switch or hub (Use a switch for multiple IP Camera Servers rather than a HUB.).

The Device use MJEPT Compression, it needs good network bandwidth, If it is too narrow, it will lead to slowly browser. Typical video parameter occupy network bandwidth as blows:

640x480@30fps : 4.0 Megabits  $\sim$  5.0 Megabits

320x240@30fps: 1.2 Megabits  $\sim$  1.6 Megabits

#### 8.3.6 Why pop-up the prompt "Fail to connect to the

#### device..."?

This prompt only appeared in the case of using multiple cameras.

Enter the Multi-Device Settings page(login as administrator) to check the

Device setting is correct or not.

When one of the multiple cameras disconnected, the color changed to

yellow and pop-up the prompt"Fail to connect to the device...".



Picture 121

#### 8.3.7 Can't access the IPCAM in the internet?

There are some reasons:

1 ActiveX controller is not installed correctly(see more details:5.1.4).

2 The port IPCAM used is blocked by Firewall or Anti-virus software. Please change a port number and try again.

3 Port mapping is not success. You can do port mapping by two ways:

Enter setting page of the router which IPCAM connect with to enable UPnP function. Enter IPCAM "UPnP Settings" to enable UPnP and make sure the state is "UPnP success".

. If your router has the Virtual Map function. Enter router setting page, add IPCAM $\Box$ s IP and port to the Virtual map list.

When use ADSL, the IP is dynamic. You should set DDNS(see more details 3.5.4 & 5.1.6) and also make sure port mapping success.

## 8.4 Operate common problem solving

#### **IP** camera tool can't find the camera?

Except of the camera broken

1. Make sure the cable connector no problem, recommend connector

(AMP), it is with international standard. Another note, IPCAM's data

transmission channel require higher than computer's, so maybe the

computer can run normally but IPCAM can't, Please press heavily when making the cable connector.

2. Confirm the power supply normally. First, check whether power indication light turn on or not, If it is on,then check the yellow light on RJ45 Port

(power indication light) and green light (network indication light) are on or

not.If they are on, so power supply and cable runs normally.

3. Confirm all the firwall and antivirus software are close. The firewall often

block unrecognized data so if the firewall is running ,so maybe the IPCAM

TOOL can't find the device.Suggest to close firewall and antivirus

software temporarily before searching.

#### How to solve the camera blank screen?

- 1. Check if you are using the wrong power adaptor.please use original one.
- 2. Close antivirus software.

#### How to solve the camera can't login by Internet?

- 1. Check if you set DDNS success or not?
- 2. Check the current IPCAM's port number is the same as router's? They need to keep same.

#### Can't view the monitoring picture

1. Reason: can't connect with network

Solution:Check if the network connect well, exclude cable fault and PC virus cause network fault until can be used between PC and PING.

and the second s

2. Reason:IP address occupy by other device

Solution: Choose automatic gain

3. Reason: IP address located within different subnet

Solution: Check IPCAM'S ip address and subnet mask address and gateway settings.

4. Reason: Web port has been modified

Solution:contact network administrator to obtain port information.

5. Reason:unknown

Solution:Press reset button to factory default state,then reconnecting.systen default to gain ip address automatic,subnet mask is 255.255.255.0

# 8.5 Default Parameters

- Default network Parameters IP address: dynamic obtain Subnet mask:255.255.255.0 Gateway: dynamic obtain DDNS: Factory provide
- Username and password Default administrator username: admin Default administrator password : No password

# 8.6 Technical Parameters

ITEM		<b>IP CAM</b> (NIP-02BGPWA2)	
	Mage sensor	1/5" Color CMOS Sensor	
Trans Carrier	Display	640 x 480 (300K Pixels)	
Image Sensor	Lens	f:3.6mm, F:2.4 (IR Lens)	
	Mini.illumination	0.5 Lux	
T	Lens Type	Glass Lens/zoom,	
Lens	Viewing Angle	60 Degree	
Audio	Microphone	Audio of two way	
Domain name	Server	MSN server/ DDNS server	
	Image Compression	MJPEG	
	Image Frame Rate	15 FPS (VGA), 30FPS (QVGA)	
	Resolution	640 x 480(VGA), 320 x 240(QVGA)	
Video	Flip Mirror Images	rtical / Horizontal	
	mode	50Hz, 60Hz or Outdoor	
	Video Parameters	Brightness, Contrast	
Communication	Ethernet	One 10/100Mbps RJ-45	
	Supported Protocol	HTTP/DHCP/IP/TCP/UDP/FTP/SMTP/DDNS/PPPoE/UPnP	
	Mobilephone monitor	Support Iphone/Ipad/3G phone/smartphone	
	Wireless Standard	IEEE 802.11b/g	
	Wireless Standard	802.11b:11Mbps(max.) 802.11g:54Mbps(max.)	
	Wireless Security	64/128-bitWEP Encryption	
	Pan/Tilt Angle	Horizontal:270° & Vertical: 120°	
	Infrared Light	22IR LEDs, Night visibility up to 20 Mete	
Physical	Product size	205(L) x220(W) x120mm(H)	
	<u>Gross</u> <u>Weight</u>	1800g/pcs (packing size:196x165x123mm)	
	<u>Net Weight</u>	1208.5g/pcs (only product)	
Power	<u>Specification</u>	DC 5V/2.5A 1.8 meter	
	Power Consumption	5 Watts	
Environment	Operate Temper	$0^\circ~\sim~55^\circ$ C $(14^\circ$ F $\sim$ 122 $^\circ$ F)	
	Operating Humidity	20% $\sim$ 85% non-condensing	
	Storage Temper	-10° C $\sim$ 60° (14° F $\sim$ 140° F)	
	Storage Humidity	0% $\sim$ 90% non-condensing	
	CPU	2.0GHZ or above (suggested 3.0GHz)	
PC Requirements	Memory Size	512MB or above (suggested 1.0GB)	
	Display card	64M or above	
	Supported OS	Microsoft Windows XP/Vista/Windows7	
	Supported browsers	IE. firefox. Google	
Certification		CE, FCC, RoHS	
Warranty	Limited 1-year warranty		

