IP Camera User Manual



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1.User Manual brief introduction

Thank you for choosing our network ip camera. The manual can help you to use the camera correctly. Some descriptions maybe aren't perfect. If you meet unsolvable problems according to this manual, please contact the product supplier. The camera's software, hardware and shell will update , we will be subject to change without notice. But we will released updated notice on our website, please pay attention to it.

1.1 Appointment

Please obey this manual strictly to use the camera.

1.2 Cautions

Before using the camera, please read all the safety instructions as below carefully then install .

1.2.1 Installation environment

The camera can be installed indoor, if outdoor, please add waterproof components and lightning protection equipment;

Working temperature limited to 0 $^\circ C$ ~ 50 $^\circ C$ between, humidity limited to 5% ~ 90% (non-condensable)

Banned in inflammable, explosive environment install and use;

Avoid installing in strenuous vibration place, do not put other equipment on the camera;

Avoid installing near a strong field of electronic equipment that could cause the unit cannot be normal use and even damage;

To ensure the normal radiating of camera, should avoid the poor ventilation places or high temperature environment;

Use wireless ip cameras, should try to avoid or reduce transmission range of obstacles

1.22 Transporting and carrying

The camera package has aseismatic design and testing, ensure ip cameras will not be accidental breaking during transport, in handling this unit, it is best to use original package. Avoid moving the camera between extreme cold and hot place, Avoid machine internal dewing, affect the service life of equipment.

1.23 Maintenance and protection

Non-professional maintenance personnel, do not tear open the camera, avoid damage and shock

Please use the original configuration of the power adapter, use unauthorized power adapter can damage of the camera.

Please do not touch canera's lens, it will leave fingerprint on it that cause image blurring;

Do not put liquid in the unit, lest cause machines internal short circuit or fire. The camera software upgrade process cannot without electricity, otherwise it will damage it, the software prior to upgrade, It is best to restart camera, and ensure the external no other users are visiting.

1.24 Packing list

Item	Quantity
IP Camera	1 piece
Wi-Fi Antenna	1 piece (only wireless IPCAM user)
CD	1 piece (Include User Manual、IP camera tool)
DC Power Supply(5V 2A)	1 piece
Network Cable	1 piece
Mounting bracket	1 piece (option)



Optional : One Wire for alarm input/output

NOTE: Contact us immediately in the case of any damaged or short of contents.

2 Products overview

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

The basic function of IPCAM is transmitting remote video on the IP network. The high quality video image can be transmitted with 30fps speed on the LAN/WAN by using MJPEG hardware compression technology.

The IPCAM is based on the TCP/IP standard. There is a WEB server inside which could support Internet Explore. Therefore the management and maintenance of your device become more simply by using network to achieve the remote configuration, start-up and upgrade firmware.

You can use this IPCAM to monitor some special places such as your home and your office. Also controlling the IPCAM and managing image are simple by clicking the website through the network.

NOTE: You can use the IP Camera Step by Step(details: 3).

2.1.1 Features

- Powerful high-speed video protocol processor
- High-sensitivity 1/5" CMOS sensor
- 300K Pixels
- IR night vision(Range:I5m)
- Optimized MJPEG video compression for transmission
- Multi-level users management and passwords definition
- Embeded Web Server for users to visit by IE
- Support wireless network (Wi-Fi/802.11/b/g)mobile
- Supporting Dynamic IP (DDNS)and UPnP LAN
- Giving alarm in cause of motion detection
- Support one-way (I/O) alarm connection
- Supporting image snapshot
- Support multiple network protocols:
- HTTP/TCP/IP/UDP/STMP/DDNS/SNTP/DHCP/FTP
- Support remote system update

2.1.2 Advanced Features

Multi-Protocol support and Transportation

IPCAM supports Multi-Protocol such as TCP/IP, SMTP and HTTP. Sending the image to your mailbox automatically when the IPCAM is triggered.

Motion Detection

Your may use the internal Motion Detection function or external sensor to trigger images recording and transportation.

Alarm sensor input/output

The detection sensor sends an alarm and records it by itself when there is a fire or accident. A message as an email is send to you by this sensor. (The input/output discreteness can be chosen)

DDNS support

Using the IPCAM in the condition which including ADSL and IP change often is more convenient,

because IPCAM provides dynamic DNS function.

Advanced User Management

Only allowing authorized users access to real-time images of the IP Camera.

2.2 Product views

2.2.1 Front views

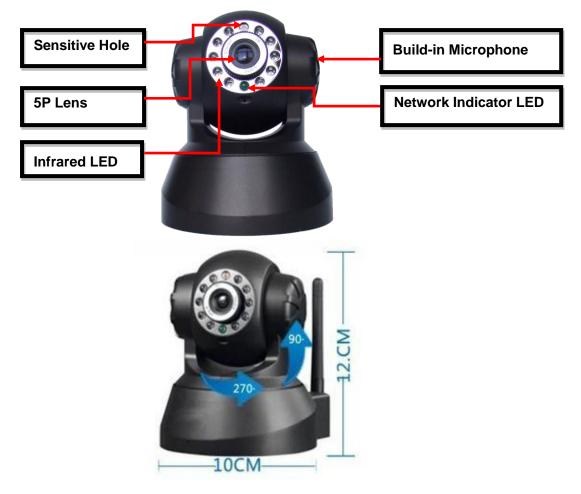


Figure 1.1

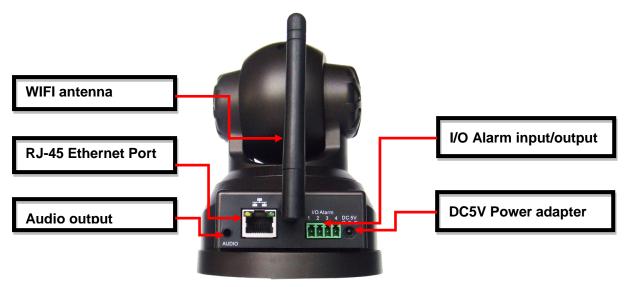
- 1. Sensitive Hole: According to outside of light decide whether open infrared LED
- 2. Infrared LED
- 3. Network Indicator LED

Network Indicator LED's three conditions:

- 1) Slow blink(about every two seconds once),IPCAM is searching network
- 2) Blink (about once or twice per second), IPCAM is using wired network
- 3) Fast blink(about three or four times per second),IPCAM is using wireless network
- 4. Lens :CMOS Sensor .You can turn around the lens manually to adjust the focus range
- 5. Build-in Microphone

Warning: please don't forcibly manual translation/lifting cameras, because it is likely that damaged internal component!:

2.2.2 Interface





LAN : RJ-45/10-100 Base T

DC5V : 5V/2A Power supply

I/O PINS: 1)Output(GND) **2)**Output (+5V) **3)**Alarm input **4)**Input (GND) (you can see 3.5.6 For more information)





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

2.3 PC System Requirements

System configuration requirements: (Example for view four IP Camera) CPU: 2.06GHZ or above Memory: 256M or above Network Card: 10M or above Display Card: 64M or above memory Recommendable Operating System: Windows2000, Windows XP, VISTA,WIN7 Support web browser: IE. FireFox. Google etc.

2.4 Hardware Instruction

Follow the steps below to set up your camera hardware. Make sure to follow each step carefully to ensure

that the camera operates properly.

- 1) Plug the network cable into the camera and then into your Cable/DSL router.
- 2) Plug the power adapter into the camera and then into the power outlet.

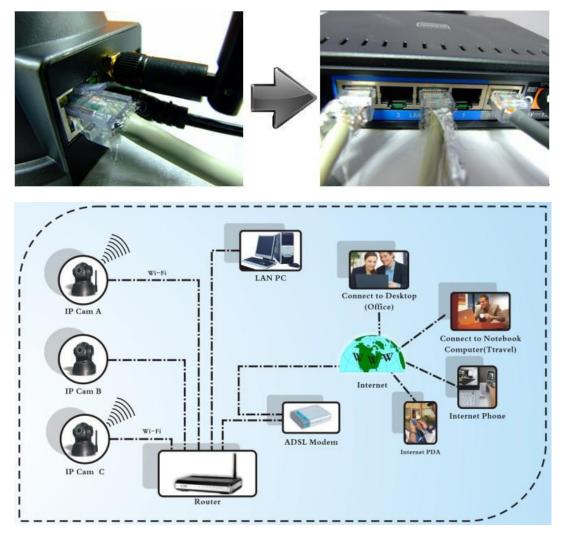


Figure 1.4

CAUTION: Make sure to only use the power adapter supplied with IPCAM. Using a non-approved power adapter may damage the camera.

3) The camera takes approximately 30 seconds to start up before it displays an IP address on the **IP Camera Tool**(details: 3.1).

4) When the camera is powered and network cable plug correctly. It's head will turn around and the Network Indicator LED is blank.

2.5 Software installation

Software installation is the key to the successful use of this product.

1 Open the CD, find the software as instruction;



Figure 1.5



3 Click Search tool Search tool and install the software as instruction

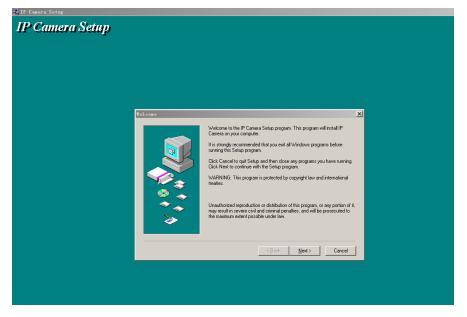


Figure 1.6

3 .Click Next

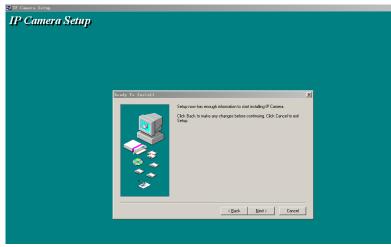


Figure 1.7

4.Click Next

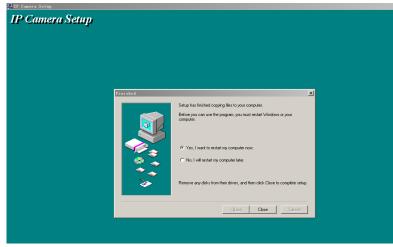


Figure 1.8

5. Choose restart then click Close

The computer restarts upon installation completion and an icon **P** Camera Tool appears on the desktop automatically.

NOTE: Before installing and using the product, please read the following precautions carefully and make sure they are fully understood.

Use only the power adapter attached with the product. Use of unauthorized power adapter may cause damage to your IP Camera. IP Camera terminal shall be installed in an indoor environment.

건통

3 software operation

3.1IP Camera Tool

When the Device has been mounted properly, you can double click the icon "IP Camera

 _

Tool" IP Camera Tool and a dialog box as Figure 1.9 will pop up.

IP Camera Tool		
est01	Http://192.168.1.111:8999	
est2	Http://192.168.1.178	
outdoor testing	Http://192.168.1.109:9000	
	Figure 1.9	

Note: The software searches IP Servers automatically over LAN. 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" and the program shut automatically;

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 Figure 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. **Five Options**

Choose the IP Camera list and Click right mouse button, there are five options, Basic Properties, Network Configuration, Upgrade Firmware, Refresh Camera List, Flush Arp Buffer as shown Figure 2.0.

test01	Http://192.	Basic Properties
test2	Http://192.1 Http://1 Http://1	Network Configuration
outdoor testing		Upgrade Firmware
Anonymous		Refresh Camera List
		Flush Arp Buffer
		About IP Camera Tool

Figure 2.0

Basic Properties

Ŀ

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

outdoor testin	g Http://192.168.1	11	
test01	Http://192.168.1.1		
test02	test01 Basic Properties		×
	Device ID	00606E00027B	
	System Firmware Version	0.22.2.38	
	Web UI Version	0.2.5.0	
	OK		

Firmware Version, Web UI Version

Figure 2.1

Network Configuration

In this page, you can configure the Network parameter.

t01	Http://192.168.	est01 Network Configuratio	
		🗖 Obtain IP from DH	CP server
		IP Address	192.168.1.111
		Subnet Mask	255.255.255.0
		Gateway	192.168.1.1
		DNS Server	202.96.134.33
		Http Port	8999
		User	admin
		Password	
		ок	Cancel
			Calicer

Figure 2.2

IP address: Fill in the IP address assigned and make sure it is in the same subnet as the gateway.(i.e.the first three sections are the same)

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: IP address of IPS network provider.

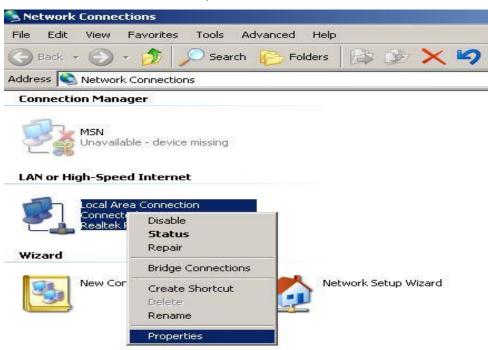


Figure 2.3

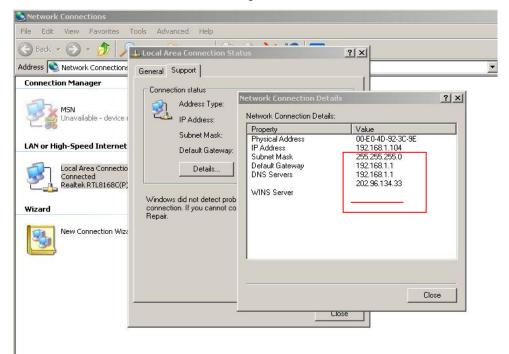


Figure 2.4

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.

t	est01 Upgrade Firm	ware	×
		admin le System Firmware pgrade Web UI	
		ок	<u>- 11</u> 2



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't open the camera web page.you may try to use flush arp buffer.

3.2 Camera Login

You can access the camera :



1.through IP Camera Tool

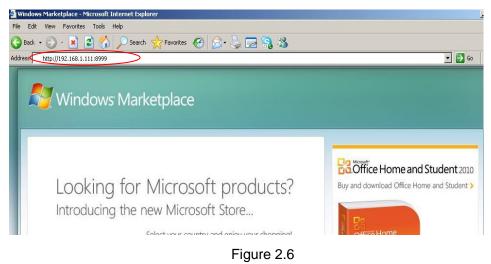
IP Camera Tool or IE directly.

Double click the IP address of the IP Camera listed(Figure 2.0).IE will be opened

automatically and display the camera login page.

2. Access the camera by IE browser directly, type in the camera's IP address. for example.

1)By IE browser as below:





• The Camera Login page pop-up.





Figure 2.7

enter your account and password on the login page as shown in Figure 2.6. By default, administrator's username is: **admin** and no password.

🚈 Device(test01) - Microsoft Internet Explorer		
File Edit View Favorites Tools Help		
🚱 Back 🔹 😥 🔹 😰 🐔 🔎 Search 🤮 Favorites 🧐 🔗 - 😓 🚍 🦓		
Address 🙋 http://192.168.1.111:8999/index1.htm	💌 🔁 Go	Links »
English Deutsch French Italian Spanish Polish Portuguese Russian 简体中文 繁體中文		
ActiveX Mode (For IE Browser) Sign in Server Push Mode (For FireFox, Safari Browser) Sign in Server Refresh Mode (For Android, UC, Symbian Browser) Sign in attention: *propose using 1024 * 768 screen resolution		×
	internet	11

Figure 2.8

Click "**Sign in**" to enter the monitoring page(Figure 2.8). You can set the username and password as Administrator, Operator or Visitor.



Figure 2.9

2) By Mozilla Firefox browser as below:

🥹 Google - Mozilla Firefox
Eile Edit View History Bookmarks Iools Help
C X 🚯 http://192.168.1.111:8999
🖻 Most Visited 📋 Getting Started 🔝 Latest Headlines
Coogle 🔅
Web Images Translate Scholar Blogs Realtime Gmail more ▼
Google
🥹 Mozilla Firefox
Elle Edit View History Bookmarks Tools Help
Ohttp://192.168.1.111:8999/index1.htm +
← → □ • http://192.168.1.111:8999/index1.htm
Authentication Required
A username and password are being requested by http://192.168.1.111:8999. The site says: "ipcamera_00606E60FB17"
User Name: admin
Password:
OK Cancel
Figure 3.0
The Camera Login page pop-up.
Device(test01) - Mozilla Firefox



Figure 3.1



Click sign in, Server Push Mode's functions are less than ActiveX

Figure 3.2

3) . with mobile phones equipped with special tools wap browser visit IPCAM with computer access similar as follows:

http://192.168.1.111:8999/index1.htm - Microsoft Internet Explorer	🚰 Device(test01) - Microsoft Internet Explorer	_10
File Edit View Favorites Tools Help	File Edit View Favorites Tools Help	
	🔇 Back + 🚫 - 🖹 📓 🐔 🔎 Search 👷 Favorites 🚱 🙆 + 🍃 🔜 🖓	
🔇 Back 👻 🕞 🖌 🌠 🎧 🔎 Search 🤺 Favorites 🧭 🔓	Address 🖗 http://192.168.1.111:8999/index1.htm	io Links
Address # http://192.168.1.111:8999/index1.htm	English Deutsch French Italian Spanish Polish Portuguese Russian 简体中文 繁體中文	-
Connect to 192.168.1.111 ? ★ ipcamera_0023D3021C08 User name: admin Password: ✓ Remember my password OK Cancel	ActiveX Mode (For IE Browser) Signin Server Push Mode (For FireFox, Safari Browser) Signin Server Refresh Mode (For Android, UC, Symbian Browser) Signin tention: ten	

Popup equipment connect interface:

Figure3.3

Click Sign in



Figure 3.4

Also can browse ip camera by inputting ip address to browser:

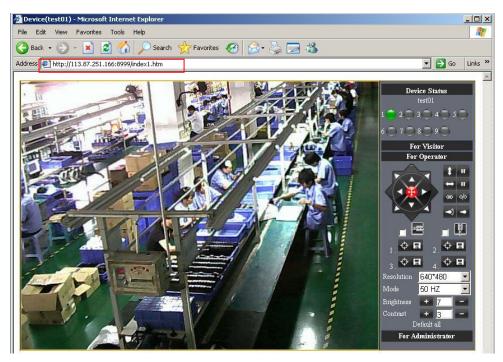


Figure 3.5

3.3 For Visitor

For example: if ¹ is bright ,the first route is on Detection(Motion Detection).



Figure 3.6

If you want to detect 4 views , need to click this ico . The first you should add more deivce.see details in **3.5.1 Multi-Device Settings**.

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

(OSD:on-screen display)

Snapshot: Click ico to snap the picture.

REC: Click ico **E**into REC mode, **E** is stop.

Audio:Click ico Minto Audio mode, Minto can listen the voice in monitoring range..

Talk: Click ico **M**into Talk mode, **W** Visitor can talk with whom is in the monitoring range.

Note:

the record file name is: *device Alias_ Current time.Avi*

For example: IPCAM_20081211134442.Avi

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

December 11, 2008. 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

For example: 00606E576A02(IPCAM)_m20081216212745.jpg

It means the device ID is 00606E576A02, the device alias is IPCAM and its picture's time is : At 21:27:45 on December 16, 2008

3.4 For operator

When login as operator or administrator, you can enter the For Operator.





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



Vertical patrol



Horizontal patrol



Stop patrol



I/O output Switch on /off.(see 3..5.6 for more information)



Network Indicator LED on /off.



Image fluctuation flip



Image around flip



Set Preset

Resolution: VGA (640 X 480) / QVGA(320 X 240) **Mode:** 50Hz/60Hz/Outdoor

• color parameter: Click et al. can adjust brightness and contrast.

3.5 For Administrator

When you login as administrator, "For Administrator" is enabled.

Device Info:You can find the information about Device ID,Firmware Version and Embeded Web UI Version.

-		Device Info
	Device Status	Alias Settings
Device ID	00606E00027B	Date&Time Settings
Device Firmware Version	0.22.2.38	Users Settings
		Multi-Device Settings
Device Embeded Web UI Version	0.2.5.0	Basic Network Settings
Alias	test01	Wireless Lan Settings
Alarm Status	None	UPnP Settings
DDMR Gener	Dee Dee Conservati here // and and an ann 2000	MSN Settings
DDNS Status	DynDns Succeed http://neotest1.dyndns.org.8999	DDNS Service Settings
UPnP Status	UPnP Succeed	Mail Service Settings
MSN Status	Succeed	Ftp Service Settings
	Defeat	Alarm Service Settings
	Refresh	PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back
		-
4		

Figure3.8

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.

3.5.1 Multi-Device Settings

• Add cameras in LAN

In the Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is this device in default. You can add more cameras list in LAN for monitoring.

This Web software supports up to 4 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.

		Device Info
		Alias Settings
	Test02(192.168.1.151)	Date&Time Settings
	test01(192.168.1.111)	Users Settings
Device List in Lan		Multi-Device Settings
and the second se		Basic Network Settings
	Refresh	Wireless Lan Settings
The 1st Device	This Device	UPnP Settings
The 2nd Device	Test 09(192.168.1.151)	MSN Settings
		DDNS Service Settings
Alias	Test02	Mail Service Settings
Host	192.168.1.151	Ftp Service Settings
Http Port	82	Alarm Service Settings
User	admin	PTZ Settings
		Upgrade Device Firmware
Password		Backup & Restore Settings
	Add Remove	Restore Factory Settings
The 3rd Device	None	Reboot Device
The 4th Device	None	Log
The 5th Device	None	Back
The 6th Device	None	
The 7th Device	None	
The 8th Device	None	
The 9th Device	None	

Figure3.9

• 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://219.133.200.165: 83 or http://IPCAM.dyndns.org:9008 You can enter the **Host**: 219.133.200.165 **port**: 83 or **Host**: IPCAM.dyndns.org **port**: 81.Enter the correct username and password then click "**add**". Add more cameras in the same way as shown in Figure3.9

		Device Info
		Alias Settings
	Test02(192.168.1.151)	Date&Time Settings
	test01(192.168.1.111)	Users Settings
Device List in Lan		Multi-Device Settings
		Basic Network Settings
	Refresh	Wireless Lan Settings
The 1st Device	This Device	UPnP Settings
The 2nd Device	Test 09(192.168.1.151)	MSN Settings
The 3rd Device	None	DDNS Service Settings
		Mail Service Settings
Alias	outdoor test03	Ftp Service Settings
Host	219.133.200.165	Alarm Service Settings
Http Port	83	PTZ Settings
		Upgrade Device Firmware
User	admin	Backup & Restore Settings
Password		Restore Factory Settings
	Add Remove	Reboot Device
The 4th Device	None	Log
The 5th Device	None	Back
The 6th Device	None	
The 7th Device	None	
The 8th Device	None	
The 9th Device	None	

Figure4.0

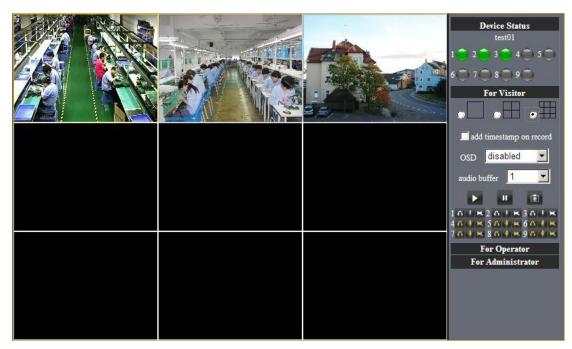


Figure4.1

3.5.2 Network Settings

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 8999.

		^	Device Info
	Basic Network Settings	A	lias Settings
Obtain IP from DHCP Server		Date	&Time Settings
IP Addr	192.168.1.111		sers Settings
			-Device Settings
Subnet Mask	255.255.255.0		Network Settings
Gateway	192.168.1.1		ess Lan Settings
DNS Server	202.96.134.33		PnP Settings
Http Port	8999		ISN Settings
Thep I off			Service Settings
	Submit Refresh		Service Settings
			Service Settings
			Service Settings TZ Settings
			e Device Firmware
		the second se	& Restore Settings
		Restor	e Factory Settings
		R	eboot Device
			Log
			Back
			Back
		•	
l l			



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



Figure 4.3

TP-LINI	K		0M Wireless N Router o. TL-WR841N / TL-WR841ND
		Model N	U. TL-VVR84 IN / TL-VVR84 IND
Status	Version:	Automatic 💌	
Quick Setup	Encryption:	Automatic 💌	Wireless Security Help
QSS	Radius Server IP:		You can select one of the
Network	Radius Port:	1812 (1-65535, 0 stands for default port 181	following security options:
Wireless	Radius Password:		• Disable Security - The
- Wireless Settings			wireless security
- Wireless Security	Group Key Update Period:	0 (in second, minimum is 30, 0 mea	function can be enabled or disabled. If disabled.
- Wireless MAC Filtering			the wireless stations
- Wireless Advanced	WPA-PSK/WPA2-PSK		will be able to connect the Router without
- Wireless Statistics	Version:	WPA2-PSK	encryption. It is recommended strongly
DHCP	Encryption:	TKIP	that you choose one of
Forwarding	PSK Password:	12345678	following options to enable security.
Security		(You can enter ASCII characters between 8 and 6	• WEP - Select 802.11
Parental Control	Group Key Update Period:	0 (in second, minimum is 30, 0 mea	WEP security. • WPA-PSK - Select WPA
Access Control		We do not recommend using the TKIP encryption	based on pre-shared
Advanced Routing		802.11n mode due to the fact that TKIP is not su	passphrase. • WPA - Select WPA
Bandwidth Control			based on Radius
IP & MAC Binding		Save	Server.
Dynamic DNS			Each security option has its
System Tools	<u>ا</u>		own settings as described follows

figure4.4

2) 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 figure4.4

Wireless Lan Settings	Device Infa
test03[940c6d14c2e8] infra None test05[00271980eacc] infra None test07[940c6d3cd95e] infra None neo [d85d4c2fe24a] infra WPAWPA2:PSK Scan	Alias Settings Date & Time Settings Users Settings Multi-Device Settings Basie Network Settings
3	Wireless Lan Settings
Ineo	UPaP Settings MSN Settings
Infra V	DDNS Service Settings
	Mail Service Settings
	Ftp Service Settings
	Alarm Service Settings
	PTZ Settings
WPA Personal (AES)	Upgrade Device Firmneare
WPA2 Personal (AES)	Backup & Restore Settings
WPA2 Personal (TKIP)	Restore Factory Settings
	Reboot Device
	Leg
	Back
	test05[00271980eacc] infra None test07[940c643cd95e] infra None rec (d95d4c2fe24a] infra WPAWPA2:PSK Scan IV nec Infra I WPA Personal (TKIP) I WPA Personal (TKIP) WPA Personal (TKIP)

Figure4.5

• Adhoc point to point Wireless connection Setting

1) Open the basic network setting interface, check the device status

Basic Network Settings Do Obtain IP from DHCP Server Image: Control of the second sec	evice Info
Basic Network Settings Do Obtain IP from DHCP Server Image: Control of the second sec	evice Info
Basic Network Settings Alia Obtain IP from DHCP Server □ IP Addr 192.168.1.111 Subnet Mask 255.255.255.0 Gateway 192.168.1.1 DNS Server 202.96.134.33 Http Port 8999	
Basic Network Settings Alia Obtain IP from DHCP Server □ IP Addr 192.168.1.111 Subnet Mask 255.255.255.0 Gateway 192.168.1.1 DNS Server 202.96.134.33 Http Port 8999	
Obtain IP from DHCP Server Date & IP Addr 192.168.1.11 User Subnet Mask 265.255.255.0 Basic Ne Gateway 192.168.1.1 Wireles DNS Server 202.96.134.33 MSI Http Port 8999 DDNS S DDNS S	
User User IP Addr 192.168.1.11 User Subnet Mask 255.255.255.0 Basic Ne Gateway 192.168.1.1 Wireles DNS Server 202.96.134.33 Mst Http Port 8999 DDNS S DDNS S	
IP Addr III2.168.1.111 Multi-D Subnet Mask 265.255.255.0 Basic Ne Gateway 192.168.1.1 Wireles DNS Server 202.96.134.33 Wireles Http Port 8999 DDNS S	Time Setting
Subnet Mask 255.265.255.0 Basic Ne Gateway 192.168.1.1 Wireles DNS Server 202.96.134.33 UPn Http Port 8999 DDNS S	rs Settings
Gateway 192.168.1.1 Subtract DNS Server 202.96.134.33 UPn Http Port 8999 DDNS s	
UPm UPm DNS Server 202.96.134.33 Http Port 8999	ss Lan Setti
DDS Server 202.96.134.33 MSI Http Port 8999 DDNS s	1P Settings
	N Settings
Submit Refresh Mail Se	ervice Setti
	ervice Settin
Fip Ser	rvice Setting
Alarm S	iervice Setti
	Z Settings
Upgrade I	Device Firm
	Restore Set
and Http Vort of dovico	Factory Sett
	Log
	Lug

Figure4.6

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

Wireless Network List alias setting Multi-Device Setting Using Wireless Lan Image: Comparison of the setting Multi-Device Setting Using Wireless Lan Image: Comparison of the setting Multi-Device Setting SSID Image: Comparison of the setting Image: Comparison of the setting Network Type Adhoc Image: Comparison of the setting Multi-Device Setting Encryption Infra Image: Comparison of the setting			Device Info
Wireless Network List Using Wireless Lan Using Wire		Wireless Lan Settings	Alias Settings
Wireless Network List alias setting Using Wireless Lan Image: Control of the setting of the			Date & Time Settings
Basic Network Setti Scan Using Wireless Lan SSID DOT Network Type Adhoc Encryption Infra Adhoc Submit Refresh Click submit, device will reboot and save Basic Network Setti Wireless Lan Setti UPnP Settings DDNS Service Setti PTZ Settings Upgrade Device Firm Backup & Restore Set Reboot Device Log Back			Users Settings
Scan Wireless Lan Settin Using Wireless Lan Image: Construction of the set of the	Wireless Network List	alias setting	Multi-Device Settings
Using Wireless Lan UhrP Settings SSID UD1 Adhoc Encryption Adhoc Refresh UrPP Setvice Setting Alarm Service Setting Alarm Service Setting Alarm Service Setting Alarm Service Setting Upgrade Device Firm Backup & Restore Set Restore Factory Settin Rehoot Device Infra and save			Basic Network Setting
Using Wireless Lan M SSID DD1 Network Type Adhoc Encryption Infra Adhoc Fip Service Setting Alarm Service Setting Alarm Service Setting Alarm Service Setting PTZ Settings Upgrade Device Firm Backup & Restore Set Reboot Device Log and save Back		Scan	Wireless Lan Settings
SSID Network Type Encryption Adhoc Submit Click submit, device will reboot and save MSN Settings DDNS Service Settin Mail Service Settin PTZ Settings Upgrade Device Firm Backup & Restore Set Reboot Device Log Back	Using Wireless Lan		UPnP Settings
Network Type Adhoc Encryption Infra Adhoc Refresh Submit Refresh Click submit, device will reboot and save Back			MSN Settings
Encryption Fig Service Setting Adhoc Submit Refresh Fig Service Setting Alarm Service Setting PTZ Settings Upgrade Device Firm Backup & Restore Set Restore Factory Setti Rehoot Device Log Back Back	SSID		DDNS Service Setting:
Adaroc Submit Refresh Alarm Service Setti Submit Refresh Upgrade Device Firm Backup & Restore Set Restore Factory Sett Reboot Device Log Back	Network Type	Adhoc 💌	Mail Service Settings
Adarm Service Setti Submit Refresh Click submit, device will reboot and save Adarm Service Setti PTZ Settings Upgrade Device Firm Backup & Restore Set Restore Factory Setti Reboot Device Log Back	Encryption		Ftp Service Settings
Click submit, device will reboot and save			Alarm Service Setting
Click submit, device will reboot and save		Subinit Reliesi	
click submit, device will reboot and save			
click submit, device will reboot and save			
click submit, device will reboot and save			
and save Back		click submit device will report	
		-	
The device is rebooting. Don't shutdown it's power. Please waiting 26		and save	Back
The device is rebooting. Don't shutdown it's power. Please waiting 26			
The device is recooling. Don't shutdown it's power. Please waiting 20	The device is cale	ating Dank davidarum itle namer Diana umitin	- 26
	The device is rebo	oting. Don't shutdown it's power. Please waitir	ıg 26

Figure4.7

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 proccess 2, then make a connection.

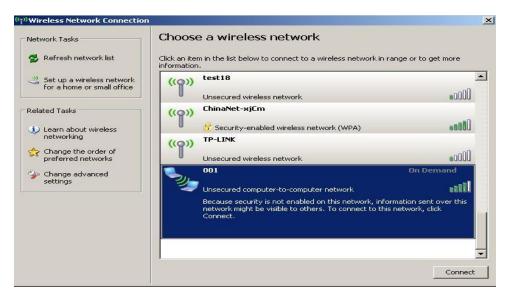


Figure4.8

• 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.

	⁽⁽) ⁾⁾ Wireless Network Connection Status	? ×
	General Support	
	IP Address:	ally Configured 192.168.1.110 255.255.255.0 192.168.1.1
« 🔊 🕲 🏂	Windows did not detect problems with this connection. If you cannot connect, click Repair.	Repair

Figure4.9

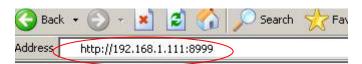
4) Now we can use the ip camera tool or enter ip address of camera derectly in browser blank to visit

1. visit by ip camera tool :

	눩 IP Camera Tool		
IP Camera Tool	Anonymous	http://192.168.1.111:8999	

Figure5.0

2. Visit by ip address:



• Enter user name and password in the login interface

	Device(test01) - Microsoft Internet Explorer	
[File Edit View Favorites Tools Help	
	🔇 Back + 🕤 - 🖹 😰 🚮 🔎 Search 🤺 Favorites 🤣 🍰 🍃 🦓	
	Address 🕘 http://192.168.1.111:8999/index1.htm 💌 🖻	Go Links »
Connect to 192.168.1.111 ? × ipcamera_00606E60FB17 viser name: image: admin viser name: viser name: <td< th=""><th>Address Trap://192.160.1.111/9999/redord.htm</th><th></th></td<>	Address Trap://192.160.1.111/9999/redord.htm	
Password:	Server Refresh Mode (For Android, UC, Symbian Browser) Sign in stitution: 'propose wing 1024 * 768 screen resolution	-

Figure5.1

Click login to visit device .Scheme as bellow



Figure5.2

- mobile phone ,ipad or other wireless device can also visit by entering the ip address of camera in browser blank
 - Enter ip address in the browser

🚰 Device(test01) - Microsoft Internet Explorer	
File Edit View Favorites Tools Help	20
😋 Back 🔹 🕥 🖌 😰 🏠 🔎 Search 🤺 Favorites 🔣 😥 🍃 😹	
Address Addres	💌 🛃 Go 🛛 Links 🌺
	*
English Deutsch French Italian Spanish Polish Portuguese Russian 简体中文 繁體中文	≜
ActiveX Mode (For IE Browser) Sign in Server Push Mode (For FireFox, Safari Browser) Sign in Server Refresh Mode (For Android, UC, Symbian Browser) Sign in attention:	
* propose using 1024 * 768 screen resolution	
	v
I	
	🗾 🙆 Internet

Figure5.3

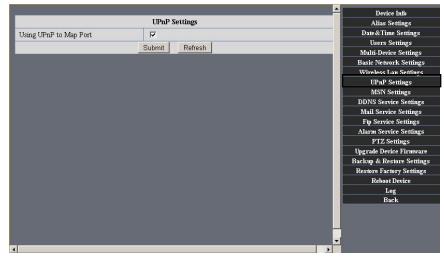
- Enter user name and password in the login interface
- Click "Sign in" and visit



3.5.3 UpnP and MSN settings

1) UpnP setting:

If you wanna browse by Internet, you have to use UpnP to Map Port, check this function then click Submit button.





2) 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 (Figure 4.6), 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
Password		Users Settings
MSN Friends List		Multi-Device Settings
	testooo02@msn.cn	Basic Network Settings
	testooo03@msn.cn	Wireless Lan Settings
	testooo01@hotmail.com	UPnP Settings
	testooo02@hotmail.com	MSN Settings
		DDNS Service Settings
	testooo01@live.cn	Mail Service Settings
	raterwu@hotmail.com	Ftp Service Settings
		Alarm Service Settings
		PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Rehoot Device
	Submit Refresh	Log
		Back
4		

Figure5.6

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

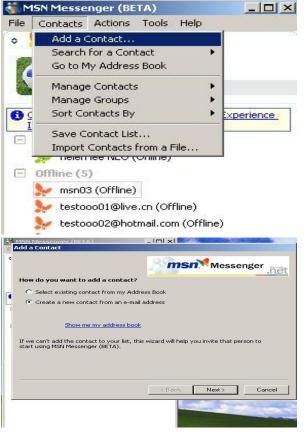
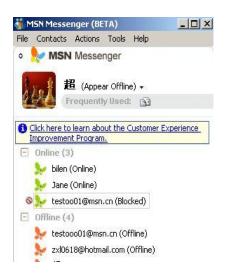


Figure5.7

Next:

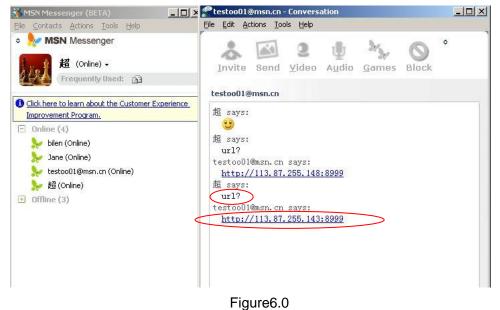


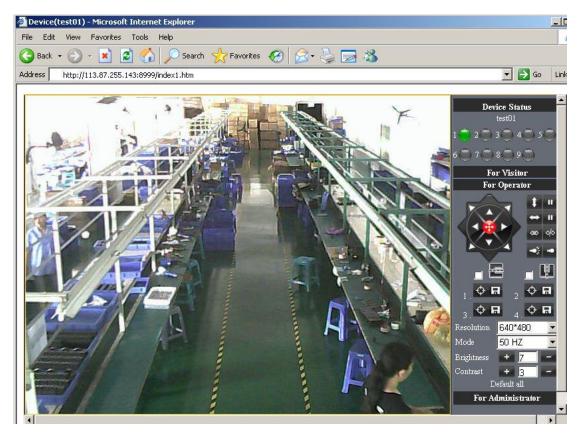




. Figure5.9

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:

Figure 6.1

Attention: You should fill MSN account in IPCAM first.

3.5.4 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. (manufacturer had aleady give every device a DDNS address,which is installed in device)

User and Password: the user name and password used when applying for the domain name. (details:4.5)

DDNS Host: the Domain Name

DDNS or Proxy Server: If you access the DDNS host through a proxy, you should input the Proxy IP.

DDNS or Proxy Port: Proxy Port

1) Device had distributed one DDNS to every product.which was sticked the bottom of the product. Such as:

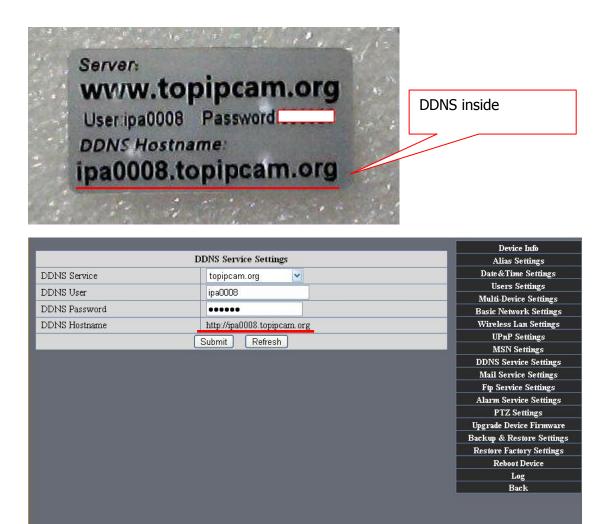


Figure 6.2

2) user who needed also can fill the DDNS they applied for by themself:

42	▲	Device Info
DDNS Service Settings		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	neotest1.dyndns.org	Wireless Lan Settings
Re-Update Ignoring All Errors	never do this unless your hostname has been unblocked	UPnP Settings
1		MSN Settings
	Submit Refresh	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



3.5.5 Mail and FTP Service

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

12		Device Info
	Alarm Service Settings	Alias Settings
Motion Detect Armed		Date&Time Settings
Motion Detect Sensibility	5 -	Users Settings
		Multi-Device Settings
Alarm Input Armed		Basic Network Settings
IO Linkage on Alarm		Wireless Lan Settings
Send Alarm Notification by Mail		UPnP Settings
		MSN Settings
Upload Image on Alarm		DDNS Service Settings
Upload Interval (Seconds)	2	Mail Service Settings
path	C:\Documents and Setting	path Ftp Service Settings
		Alarm Service Settings
Scheduler		PTZ Settings
	Submit Refresh	Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back
		-
4		

Figure 6.4

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
	Mail Service Settings		Alias Settings
Sender	sprintpp@sina.com		Date&Time Settings
Receiver 1	szwangp@163.com		Users Settings
04 12 59			Multi-Device Settings
Receiver 2	test001@gmail.com		Basic Network Settings
Receiver 3			Wireless Lan Settings
Receiver 4			UPnP Settings
	1		MSN Settings
SMTP Server	smtp.sina.com		DDNS Service Settings
SMTP Port	25		Mail Service Settings
Transport Layer Security Protocol	None		Ftp Service Settings
	Gmail only support TLS at 465 p	port and STARTTLS at 25/587	Alarm Service Settings
	port.	Device(test01) - Microsoft Inte	ernet Explorer
Need Authentication		File Edit View Favorites Tool	
SMTP User	sprintpp	🕞 Back + 🕥 + 💌 💈 🔮	Search 📌 Favorites
SMTP Password			
	Test Please set at first, and t	Address 🖉 http://192.168.1.111:899	99/test_mail.htm
Report Internet IP by Mail		Test Succeed	
	Submit Refresh		

Figure 6.5

Gmail also set as the same:

		_	Device Info
	Mail Service Settings		Alias Settings
Sender	test001@gmail.com		Date&Time Settings
Receiver 1	sprintpp@sina.com		Users Settings
			Multi-Device Settings
Receiver 2	szwangp@163.com		Basic Network Settings
Receiver 3	test001@gmail.com		Wireless Lan Settings
Receiver 4			UPnP Settings
			MSN Settings
SMTP Server	smtp.sina.com		DDNS Service Settings
SMTP Port	25		Mail Service Settings
Transport Layer Security Protocol	STARTTLS Fip Service Setti		
	Gmail only support TLS at 465 p	ort and STARTTLS at 25/587	Alarm Service Settings
	port.	Device(test01) - Microsoft In	ternet Explorer
Need Authentication		File Edit View Favorites To	iols Help
SMTP User	test001	🔾 Back + 🕥 + 💌 👔	Search 📌 Favorites
SMTP Password	•••••		
	Test Please set at first, and t	Address 🖉 http://192.168.1.111:8	999/test_mail.htm
Report Internet IP by Mail		Test Succeed	
	Submit Refresh		

Figure6.6

- 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:

			Device Info
Ftp Service Settings			Alias Settings
FTP Server	ipcam.com		Date&Time Settings
FTP Port	21	-	Users Settings
FTP User			Multi-Device Settings
	lipcam		Basic Network Settings
FTP Password	•••••		Wireless Lan Settings
FTP Upload Folder			UPnP Settings
FTP Mode	PORT 💌		MSN Settings DDNS Service Settings
	Test Please set at fi	rst, and then test.	Mail Service Settings
Upload Image Now		🖉 Device(test01) - Microsoft Internet	Explorer
	Submit Refresh	File Edit View Favorites Tools H	Help
		🕞 Back 🔻 🐑 🗾 🛃 🚮	🔎 Search 👷 Favorites 🧭
		Address http://192.168.1.111:8999/te	st_ftp.htm
		Test Succeed	

Figure 6.7

FTP Server of LAN as below:

1. Creat an account

	1×1
Server View Tools Help	
Start Stop Home Setup	
General Tasks	
Count Name	
🕵 Show User Accor	
🕼 Show Configurat	
When you want users to connect to this FTP server you need a valid account. Type the name of the account you want to create (User Name).	
B Show Online Use	
Show Server Sta Account Name: IPCAM	
Show Incoming N	
See Also	
Online Support Ity Settings	
See Frequency Aske	
<back next=""> Cancel</back>	
FTP Server is offline 0 bytes received 0 bytes sent 🕥 🍯	

Figure 6.8

2. Step by step setting until finish it.

w	hat kind of permissions would you like to give this account on the home directory?
•	Allow Download
2	Allow Upload
2	Allow Rename
1	Allow Delete
5	Allow Create Directory
2	Allow Directory Listing (recommended)
	and a second state of the

Figure 6.9

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 Canc	el

Figure7.0

3. Start Server



Continue to finish it

Quick 'n Easy FTP Server 3.2 Professio erver View Iools Help Start Stop Home Setup	Configuration -	
 Show Server Log Show User Accounts Show Configuration Show Security Settings Show Online Users Show Server Statistics Show Server Statistics Show Incoming Messages 	General Advanced Events 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	
Configuration Tasks Image: Configuration Help Image: Show Configuration Help Image: Frequently Asked Questions	Goodbye message: Bye Startup settings Logging Launch FTP Server at Windows startup Loglevel: Error Automatically activate server at startup View Startup minimized in systemtray View PASV settings IP address: IP address: IS2.168.1.150 Port range: 1024	

Figure7.1

4. IPCAM'S account can be used.

art Stop Ame Setup				
Seneral Tasks Show Server Log Show User Accounts Show Configuration Show Security Settings Show Online Users Show Online Users Add New User Copy this User Copy this User Copy this User Launch User Account Wizar Kirtual Directory Tasks	Rd	General Password: * Home Directory Path: C Permissions: V V	Intual Directories Advance Construct Image: Construct on the second of	SITE PSWD) for this user Browse

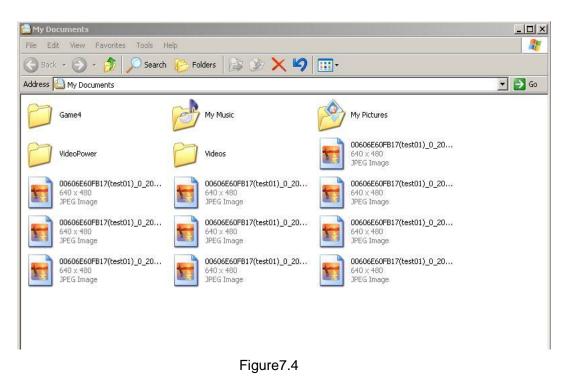
Figure 7.2

5. IP camera's FTP Server set

-			Device Info
	Ftp Service Settings		Alias Settings
FTP Server	192.168.1.150	192.168.1.150	
FTP Port	21	-	Users Settings
		_	Multi-Device Settings
FTP User	IPCAM		Basic Network Settings
FTP Password			Wireless Lan Settings
FTP Upload Folder		-	UPnP Settings
FTP Mode	PORT -		MSN Settings
		irst, and then test.	DDNS Service Settings Mail Service Settings
Upload Image Now		🖉 Device(test01) - Microsoft Intern	et Explorer
	Submit Refresh	File Edit View Favorites Tools	Help
		🕞 Back 🔻 🕥 👻 🛃 😭) 🔎 Search 🤺 Favorites 🥑
		Address http://192.168.1.111:8999/	'test_ftp.htm
		Test Succeed	

Figure7.3

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)

3.5.6 Motion Detection

Enter Alarm Service Settings page to configure Motion Detection function.

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 High, Medium, Low



I/O PINS:1) Output(+5V) 2) Output 3) Alarm input 4) Input (GND)

Alarm Input Armed

Input Pins: The input pins can be used for 1-way external sensor input. For example, you may connect a Person Infrared Sensor (PIR) to it for motion detection. When external sensor triggered, IPCAM can be programmed to send an email with picture or control the internal relay output.

If you link a external alarm with Pin3 and Pin4, when enable alarm input armed, external alarm is enabled.

IO Linkage on Alarm

Enable IO linkage on alarm,Pin1 will output +5V when alarm triggered, and output LOW when alarm release automatically.

Switch on/off

buttons control Pin1 output manually.

Send Mail on Alarm

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

		Device Info
	Alarm Service Settings	Alias Settings
Motion Detect Armed		Date&Time Settings
Motion Detect Sensibility	5 -	Users Settings
		Multi-Device Settings
Alarm Input Armed		Basic Network Settings
IO Linkage on Alarm		Wireless Lan Settings
Send Alarm Notification by Mail		UPnP Settings
-	Chassa it	MSN Settings
Upload Image on Alarm		DDNS Service Settings
path	C:\Documents and Setting p	ath Mail Service Settings
Scheduler		Ftp Service Settings
Schoward		Alarm Service Settings
	Submit Refresh	PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back
		x
•		



Upload Image on Alarm

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

	Alarm Service Settings	<u>^</u>	Device Info Alias Settings
Motion Detect Armed Motion Detect Sensibility Alarm Input Armed IO Linkage on Alarm Send Alarm Notification by Mail Upload Image on Alarm Upload Interval (Seconds)			Date&Time Settings Users Settings Multi-Device Settings Basic Network Settings Wireless Lan Settings UPnP Settings MSN Settings DDNS Service Settings Mail Service Settings
path Scheduler	C:\Documents and Settion	picture	alarming it will upload es to choosing email and erver after setting
4			Back

Figure7.6

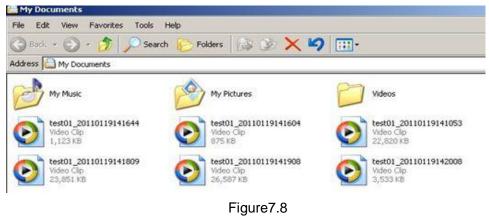
REC automatically and save to **PC**

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.

Restore Factory Settings Rehoot Device Log	10).		Device Info
Motion Detect Sensibility 5 Users Settings Alarm Input Armed I Multi-Device Settings IO Linkage on Alarm I Basic Network Settings Send Alarm Notification by Mail I UPN Settings Upload Image on Alarm I Multi-Device Settings Upload Image on Alarm I Multi-Device Settings path I Multi-Device Settings Scheduler I I Submit Refresh Pactor Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Settings		Alarm Service Settings	Alias Settings
Motion Detect Sensibility 5 Alarm Input Armed Image on Alarm IO Linkage on Alarm Image on Alarm Upload Image on Alarm Image on Alarm Upload Interval (Seconds) Image on Alarm Image on Alarm Image on Alarm Upload Interval (Seconds) Image on Alarm Image on Alarm Image on Alarm Image	Motion Detect Armed	<u>v</u>	
Alarm Input Armed Image: Construction of the sector of t	Motion Detect Sensibility	5 -	
IO Linkage on Alarm Image on Alarm Send Alarm Notification by Mail Image on Alarm Upload Image on Alarm Image on Alarm Upload Interval (Seconds) 2 path C:\Documents and Setting: Scheduler Image on Alarm Submit Refresh Backup & Restore Settings Backup & Restore Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings			
Intervention Image on Alarm Upload Image on Alarm Image on Alarm Upload Interval (Seconds) Image on Alarm path C:\Documents and Setting Scheduler Image on Alarm	Alarm Input Armed		
Send Alarm Notification by Mail Image on Alarm MSN Settings Upload Image on Alarm Image on Alarm Image on Alarm Upload Interval (Seconds) 2 Image on Alarm path C:\Documents and Setting path Scheduler Image on Alarm Image on Alarm Submit Refresh Image on Alarm Restore Factory Settings Restore Factory Settings Restore Factory Settings Restore Factory Settings Image on Alarm Image on Alarm	IO Linkage on Alarm		
Upload Image on Alarm Image on Alarm MSN Settings Upload Interval (Seconds) 2 DDNS Service Settings path C:\Documents and Setting path Scheduler Image on Alarm Fig. Service Settings Submit Refresh Upgrade Device Firmware Backup & Restore Factory Settings Restore Factory Settings Restore Factory Settings Image on Alarm	Send Alarm Notification by Mail		
Upload Interval (Seconds) 2 Mail Service Settings path C'\Documents and Setting path Scheduler I Alarm Service Settings Submit Refresh Upgrade Device Firmware Backup & Restore Settings Restore Factory Settings Restore Factory Settings Log	Upload Image on Alarm	<u>ज</u>	
path C:\Documents and Setting path Scheduler Image: Submit Refresh Alarm Service Settings Submit Refresh Upgrade Device Firmware Backup & Restore Settings Restore Factory Settings Restore Factory Settings Restore Device Log Log	Upload Interval (Seconds)	2	
Scheduler Alarm Service Settings Submit Refresh Upgrade Device Firmware Backup & Restore Settings Restore Factory Settings Restore Control Settings Restore Settings Restore Settings Restore Settings	nath	C:Decuments and Setting	Ftp Service Settings
Submit Refresh Upgrade Device Firmware Backup & Restore Settings Restore Factory Settings Reboot Device Log			Alarm Service Settings
Backup & Restore Settings Restore Factory Settings Reboot Device Log	Scheduler		PTZ Settings
Restore Factory Settings Reboot Device Log		Submit Refresh	Upgrade Device Firmware
Reboot Device Log			Backup & Restore Settings
Log			
Back			Back
			<u>.</u>
	4		



REC save to pc's position



4 HOW TO USE

4.1 Step by step to use

Follow the instructions below to get started after the Camera has been mounted properly. When the IP camera powered on, it will rotate itself and stop to the center.

1) Use Network cable connect IP Camera to LAN.

2) Enter **IP Camera Tool** IP Camera Tool IP Camera Tool IP Camera Tool

3) When IP address of the Camera listed in the Result Field of the **IP Camera Tool**, it means the basic configuration is completed.

4) set the safety property of IE in the PC when you view it first time.(details: 5.1.3)

5) Camera login(details:3.2)

6) Now you can use the IP Camera as Visitor, Operator or Administration in the LAN.

4.2 Setting Wi-Fi of IP Camera

1) To use the wireless functions of the IP Camera, a wireless router like linksys is required.

2) Enter the wireless router setup page(you may see the *wireless router user manual*).To Find out the SSID, Channel(less than 10), Security

Way(NONE,WEP), Authentication Type, encryption.

3) Enter Wireless LAN Settings to input contents gotten from the wireless router then click Submit to reboot the device.

NOTE: This product only supports WEP encryption.

		Device Info
	Wireless Lan Settings	Alias Settings
	test03(940c6d14c2e8) infra None	Date & Time Settings
	test05[00271980eacc] infra None	Users Settings
Wireless Network List	test07[940c6d3cd95e] infra None	Multi-Device Settings
	neo1[d85d4c2fe24a] infra WPA/WPA2-PSK	Basic Network Settings
	Scan	Wireless Lan Settings
Using Wireless Lan		UPnP Settings
la construit 👻 esta construit		MSN Settings
SSID	neo1	DDNS Service Settings
Network Type	Infra 🗾	Mail Service Settings
Encryption	WPA Personal (TKIP)	Ftp Service Settings
	None	Alarm Service Settings
Share Key	WEP	PTZ Settings
	SWPA Personal (TKIP)	Upgrade Device Firmware
	WPA Personal (AES)	Backup & Restore Settings
	WPA2 Personal (AES) WPA2 Personal (TKIP)	Restore Factory Settings
		Reboot Device
		Log
		Back
		

Figure7.9

- 4) Wait at least 30 seconds to unplug the ethernet cable, then unplug the power supply.
- 5) Plug the power supply making sure that the ethernet is not connected
- 6) After around 30 seconds, if the LED blinks ,it indicates it is working in wifi mode
- 7) Camera login.(details:3.2)

4.3 Using a router to access the Internet

Using a router to access the Internet by shared ADSL If a router is set for dial-up Internet access, it is not required to set ADSL dial-up account and password on the IP Camera.

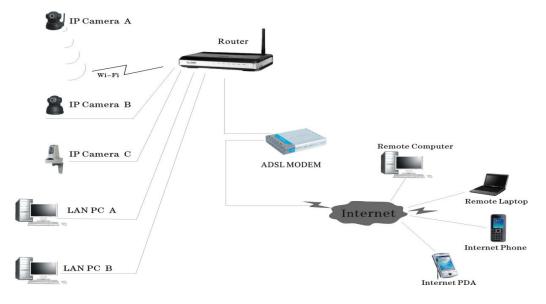


Figure8.0

1) Use Network cable connect IP Camera to the LAN.

2) Enter IP Camera Tool to set the basic configuration.(details:3.1)

3) login the Camera homepage as Administration

4) Enter **DDNS Settings Page** and ennable DDNS service.Click **<submit>** and the device will reboot.(detail:3.5.4)

-	DDNS Service Settings	Device Info
		Alias Settings Date&Time Settings
DDNS Service	DynDns.org(dyndns)	Users Settings
DDNS User	har1119	Multi-Device Settings
DDNS Password		Basic Network Settings
DDNS Hostname	neotest1.dyndns.org	Wireless Lan Settings
Re-Update Ignoring All Errors		UPnP Settings
Re-opdate ignoring All Errors		MSN Settings
	Submit Refresh	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



- 5) How to use DDNS service (detail:4.5)
- 6) You can access the Camera from Internet by domain name.

4.4 Static IP user

Static IP user is not need to use DDNS for remote access. When finished the setting of the IP Camera in LAN, you can access the Camera directly from Internet by the WAN IP. You can obtain the WAN IP by two ways.

Obtain the WAN IP from some Website

You can discover this easily by opening on a computer using the same connection as the IP camera and entering this address: http://www.whatismyip.com.The page at this address will show you the current WAN IP.



Figure8.2

with each other on a computer network. There is a standard of

According to MSN and IP camera built-in account access (details:3.53)

Obtain the WAN IP address from the router

Take the WRT54G router of LINKSYS for example,

1) Obtain the IP address of the router(LAN gateway address), user name and password for logon to the router from the network administrator,

2) Enter the LAN IP address of the router(LINKSYS WRT54G default:192.168.1.1) in the address bar of the IE to log on to the router; Open the **Status** page to find out the WAN address of the router. In this example, the address is 116.25.51.115.(Figure7.1)

				۷	vireless-G Broad	Iband Router	WRT54GL
Status	Setup	Wireless	Security	Access Restrictions	Applications & Garning	Administration	Status
	Router	Loose Net	work	Wireless			
Router Information						Firmware Ver	relan Tris is
	Firmwa	re Version: v4.	30.5, Apr. 27, 20	06		Router's curren	
	Current	Time: No	Available			Current Time	. This shows
	MAC Ad	ddress: 00:	0C:41:00:01:71			time, as you set Tab.	on the Setu
	Router	Name: WP	TS4GL			MAC Address	. This is the
	Host Na	me:				Router's MAC A	
	Domain	Name:				by your ISP.	
Internet						Router Hame. specific name f	
Configuration Type	Login T	ype: Au	tornatic Configu	aration - DHCP		which you set of Tab	
CONCERNE STORY	PAddr		. 25. 51. 115			More	



Access the IP Camera from the Internet

User can access the IP Camera from the Internet, Enter WAN IP address + port number in the IE to access IP Camera. For example, Http:// 116.25.51.115:8999

Note: Make sure the Port mapping is 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 IP CAM's IP and port to the Virtual map list.

4.5 How to use DDNS

When use ADSL, the IP Camera will connect to the Internet through ADSL automatically. For each ADSL reconnection, ISP will re-assign a new IP address for the IP Camera to facilitate the access. DDNS(Dynamic Domain Name Server) can map the dynamic IP address of an IP Camera to a fixed domain name. Therefore, we can access the IP Camera by the fixed domain name whether the IP address changes or not. The IP address is not necessary when you using the DDNS via the domain name to find your network.

1) Go to the website which Provides free domain name, register and apply a free domain name. such as http://www.dyndns.com (details:5.1.6).

2) login the Camera homepage as Administration and enter "**DDNS Service Settings**" page input the name, password and Host(details: 3.5.4) .Then click **<SUBMIT>** and reboot Device.

3) Re-login the Camera homepage and enter"DDNS Service Settings"page to check the DDNS Status is DynDns Succeed or not.

4) Enter"**UPnP Settings**"page,the **UPnP Status** should be **UPnP Succeed.**If the status is not **Succeed**, you may enter "**Basic Network Settings**" page to change Http Port (details: 3.5.2). Then click **<SUBMIT>** and reboot Device.

5) Re-login the Camera homepage to check and make sure the DDNS Status and UPnP Status is Succeed.

		Device Info
	Device Status	Alias Settings
Device ID	00606E00027B	Date&Time Settings
Device Firmware Version	0.22.2.38	Users Settings
Device Embeded Web UI Version	0.2.5.0	Multi-Device Settings
		Basic Network Settings
Alias	test01	Wireless Lan Settings UPnP Settings
Alarm Status	None	MSN Settings
DDNS Status	DynDns Succeed http://neotest1.dyndns.org/8999	DDNS Service Settings
UPnP Status	UPnP Succeed	Mail Service Settings
MSN Status	Succeed	Ftp Service Settings
		Alarm Service Settings
	Refresh	PTZ Settings
		Upgrade Device Firmware
		Backup & Restore Settings
		Restore Factory Settings
		Reboot Device
		Log
		Back
		•
4		

Figure8.4

6) You only need to enter the domain name(domain name+Port number http:// test1.dyndns.org:8999) in the IE address bar ,the browser will visit the IP Camera.Wait for several minutes and the IP Camera will dial up to access the Internet automatically, and the communication with the DDNS server is established successfully. In the way, the user can access the IP Camera from a WAN by using the DDNS domain name.

If the gateway settings and DDNS settings have been completed,ener the DDNS dynamic domain name(for example, (<u>http://test1.dyndns.org:8999</u>),do not add www.) in the address bar of the IE to access the IP Camera.If multiple IP Cameras are connected to the same router,enter DDNS dynamic domain + port number(for example, <u>http://test1.dyndns.org:90</u>)) in the address bar of the IE to access different IP Cameras.

You will view the pictures as below:

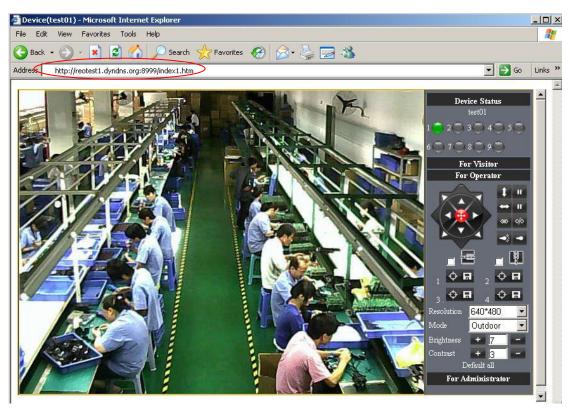


Figure 8.5



Figure 8.6

Add more devices:

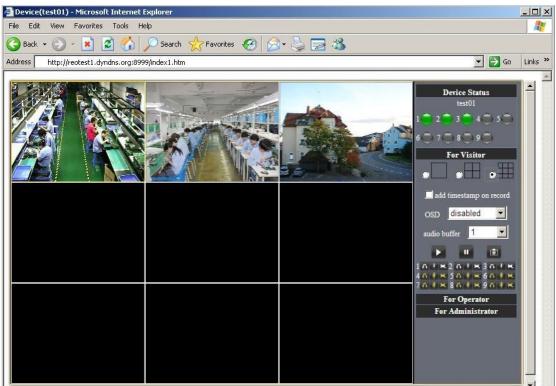


Figure8.7

5 APPENDIX

5.1 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.

5.1.1 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

5.1.2 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

5.1.3 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).

5.1.4 No pictures Problems with ActiveX Controller

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly ,you will see no video image. There are two way to solve this problem:

1) Install "IP Camera Tool", ActiveX controller is installed simultaneity (recommendable).

2) download ActiveX controller and set the safety property of IE in the PC when you view it first time: "IE" browser → "Tool" → "Internet Proper" → "Security" → "Custom Level" → "ActiveX control and Plug-ins" three options of front should be set to be "Enable",

The ActiveX programs read by the computer will be stored. as follows:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plu-ins

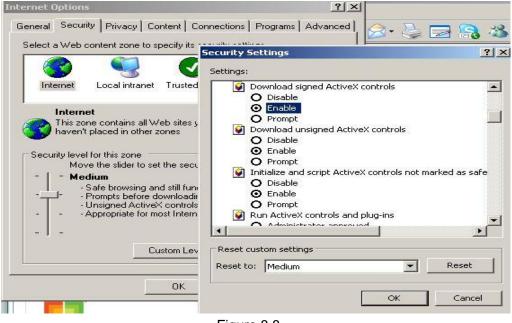


Figure 8.8

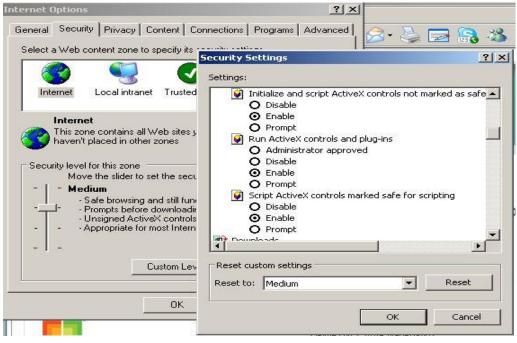


Figure8.9

5.1.5 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.).

5.1.6 For example: Register procedure from a DDNS web

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

Step1: enter http://www.dyndns.com/ and Create Account.(Fill in Domain Name .dyndns.org then Click Add)



Figure9.0

Step2: enter your information

Dynamic DNS Hosts			
neotest1.dyndns.org	 remove	\$0.00	
Have a coupon? Log in.	Sub-Total:	\$0.00	
	Order	Total:	\$0.00

Create account or log in to continue:

Confirm password:	•••••	
Email:	szneo02@126.com	Password
Confirm Email:	szneo02@126.com	
Security Image:	7 8 4 3 1	Eorgot your password?
	Enter the numbers from the above image: 78431	
Subscribe to:	🔽 DynDNS.com newsletter	CENTRED PRIME
	(1 or 2 per month) □ Dyn Inc. press releases	

Figure9.1

	Network Services Inc.		DNS & Domains What are you	Email Services	Performance & Security
Why DynDNS.com?	Services & Pricing	Support		Have an acc	ount? Join NOW Sign In
One more step to go					
We've sent an email to szn confirmation link.	eoO2@126.com, to verify	your account . Ple	ease check your inbox and click on the		0
If you do not receive the email	in the next few minutes you (can try <u>resending it</u>			
Thanks for choosing DynDNS.c	om!				



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

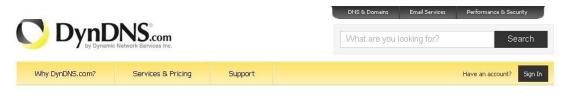
Our basic service offerings are free, but they are supported by our paid services. See http://www.dyndns.com/services/ for a full listing of all of our available services.

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.

Figure9.3

Step4: Open the link to active your Domain Name as below.





Welcome to DynDNS.com! Account har119 has been confirmed and activated. You now can activate your free DynDNS hostname.

Most Popular DynDNS Pro ...or ...or consider our limited time offer, continue to enjoy your \$ \$1.99 monthly subscription Free Membership /vr Up to 30 Pro domain names Up to 2 domain names Up to 30 days of account inactivity Never expires, just works Effortless automatic renewals Upgrade to yearly plan any time Upgrade to Pro any time Priority email support Free email and community support Continue » My Account » Add DynDNS Pro

Figure9.4

Why DynDNS.com?	Services & Pricing	Support	Welcome h	ar1119 (FREE)	My Account l
My Account	Shopping Cart				
1y Services					
ccount Settings	Your cart contains free se	rvices only. You will not be	e asked for credit card information.		
illing	🦻 Upgrade Options				
Active Services Auto Renew Settings Order History Jilling Profile	• To add more and en	nly two Dynamic DNS hosts. joy additional benefits for o for your own domain , us	nly \$15.00 per year, <u>purchase Dynami</u>	c DNS Pro 🎝 .	
	neotest1.dyndns.org		- rem	iove	\$0.00
WE'RE HIRING	Please enter coupor	is in the box below and clici		Sub-Total: Order T	\$0.00 otal: \$0.0

Figure9.5

				DNS & Domains	Email Services	Performance & Security
DynE	Network Services Inc.			What are you	looking for?	Sear
Why DynDNS.com?	Services & Pricing	Support		W	elcome har1119 (FREE)	My Account Lo
y Account	Free Services Chec	kout				
Services						
count Settings	Once you have confirmed th	e contents of your cart	your services will	be instantly acti	vated.	
ing		Service			Period	Price
ve Services	Dynamic DNS Hosts					
o Renew Settings ler History	neotest1.dyndns.org			-		\$0.00
ng Profile					Sub-To	tal: \$0.00
					Activ	vate Services >>
E'RE HIRING						view our refund policy
wered by 🜔 Dyn						

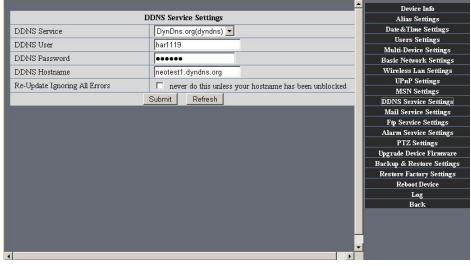
Figure9.6

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

	Ic Network Services Inc.		DNS & Domain	s Email Services	Performance & Security Searc
Why DynDNS.com?	Services & Pricing	Support	Welcome ha	r1119 (FREE) My Acc	ount My Cart Log
My Account	Host Services				My Ser
My Services					
Dynamic DNS Pro	<u>Hostname</u>	Service	Details		Last Updated
nternet Guide	neotest1.dyndns.org	Host	113.87.251.16	Jan. 18, 20	11 9:06 PM
iLA Premier Support Ione Level Services Jomain registration and ransfer, DNS hosting,	» Host Update Logs				Add New Host
mail services lost Services rynamic DNS hosts, WebHop IRL Forwarding	Join the discussion in the Dy	<u>/nDNS Community</u> for tip	ps and tricks, demos, suggesti	ons, user help and mu	uch more.
ynect SMB	Check out what our users a	re talking about below:	C Dy	nDNS Community	Lancing for the vest forced

Figure 9.7

2. Fill the DDNS account you applied in DDNS Settings, If it success, it will show as below





			Device Info
	Device Status		Alias Settings
Device ID	00606E60FB17		Date & Time Settings
Device Firmware Version	13.39.2.36		Users Settings
Device Embeded Web UI Version	0.8.4.1		Multi-Device Settings Basic Network Settings
Alias	test01		Wireless Lan Settings
Alarm Status	None		UPnP Settings
			MSN Settings
DDNS Status	DynDns Succeed http://neotest1.dyndns.org.8999		DDNS Service Settings
UPnP Status	UPnP Succeed		Mail Service Settings
MSN Status	Succeed		Ftp Service Settings
NOT ORIGS			Alarm Service Settings
	Refresh		PTZ Settings
			Upgrade Device Firmware
			Backup & Restore Settings
			Restore Factory Settings
			Reboot Device
			Log
			Back



3. How to test whether DDNS is on-line?

Click Start > Running >input CMD then click Enter,test DDNS by PING as below:

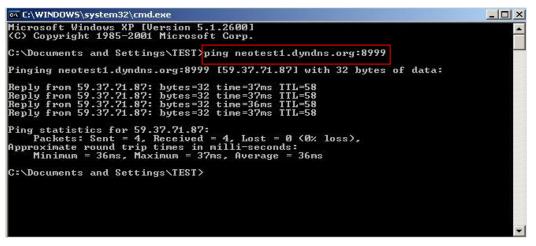


Figure 10.0

The DDNS can return the web response information by PING.It tells you that DDNS is on-line.If DDNS failed to update!There should be two reasons:1)DDNS parameter Settings incorrectly.2) DNS address configuration is wrong.

DDNS Service Operation:Creat Account > Login/Management > Setting up DDNS > Configurate IPCAM parameter

5.1.7 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 ... ".



Figure 10.1

5.1.8 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'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.

5.2 Operate common problem solving

IP camera tool can't find the camera? Except of the camera broken

 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.

- 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.
- 2. Reason: IP address occupy by other device Solution: Choose automatic gain
- Reason: IP address located within different subnet Solution: Check IPCAM'S ip address and subnet mask address and gateway settings.

Reason:Web port has been modified

Solution:contact network administrator to obtain port information.

4. 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

5.3 IPCAM special use

5.31 Use vIc player and mplayer to play ip camera audio data prompt.

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

Show as below:

Device(test01) - Microsoft Internet Expl e Edit View Favorites Tools Help	prer		
	Search 🤺 Favorites 😧 🗟 - 😓 🔜 🦓		
dress http://192.168.1.111:8999/index1.h			• •
)—			
		<u> </u>	Device Info
	Device Status		Alias Settings
Device ID	00606E00027B		Date&Time Settings
Device Firmware Version	0.22.2.38		Users Settings
Device Embeded Web UI Version	0.2.5.0	_	Multi-Device Settings
			Basic Network Settings
Alias	test01		Wireless Lan Settings
Alarm Status	None		UPnP Settings
DDNS Status	DynDns Succeed http://neotest1.dyndns.org.8999		MSN Settings DDNS Service Settings
UPnP Status	UPnP Succeed	_	Mail Service Settings
		_	Ftp Service Settings
MSN Status	Succeed		Alarm Service Settings
	Refresh		PTZ Settings
			Upgrade Device Firmware
			Backup & Restore Setting
			Restore Factory Settings
			Reboot Device
			Log
			Back
		-	

Figure 10.2

As figure 8.8 shows IPCAM current ip address is http://192.168.1.111:8999 Internet ip address is http://szneo1.dyndns.org:8999, you can view video of IPCAM by inputting ip address.

MC	media pl		VideoLAN Te	eam			
Media		<u>A</u> udio	<u>v</u> ideo <u>T</u> ools	s View	Help		
44 <u> </u>	- 1 - I	1 1 1	1 1	- ()	1 1		
	144	DDD		111 5	3 26	()	100%

Figure 10.3

1edia Playback Audio Video	Tools View He	lp
Open File	Ctrl+O	
Advanced Open File	Ctrl+Shift+O	C ()) 10
Open Eolder	Ctrl+F	
Open Disc	Ctrl+D	1.00x:
Open Network Stream	Ctrl+N	
🗊 Open Capture Device	Ctrl+C	
Open Location from clipboard	Ctrl+V	
Recent Media	•	The second se
Save Playlist to Ele	Ctrl+Y	
Convert / Save	Ctrl+R	
•) <u>S</u> treaming	Ctrl+S	
🗲 Quit	Ctrl+Q	The second s

Open broadcast position by "VLC media player":



LAN broadcast address:

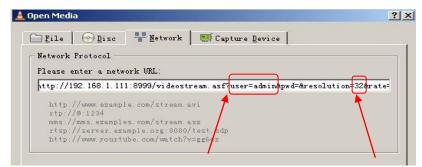


Figure10.5

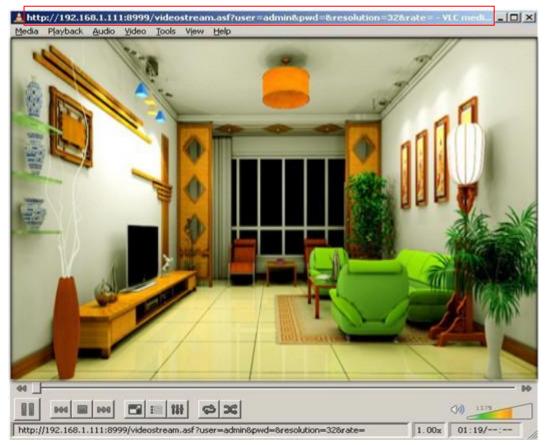
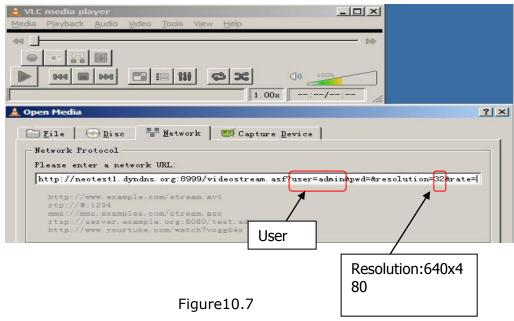


Figure 10.6

Open the Internet play position:



Watch ip camera send streaming format video as show below:



Figure 10.8

5.32 Set the camera miscellaneous parameters

Grammar:

/set_misc.cgi?led_mode=&ptz_center_onstart=&ptz_auto_patrol_interval =&ptz_auto_patrol _type=& ptz_patrol_h_rounds=& ptz_patrol_v_rounds=& ptz_disable_preset=&user=&pwd=&next **Parameter:** led_mode: 0: mode;1:mode;2: turn off indicator light ptz_center_onstart: ptz_auto_patrol_interval: =0: doesn't auto patrol interval ptz_auto_patrol_type: 0: None;1:horizontal; 2:vertical;3:horizontal &vertical ptz_patrol_h_rounds: ptz_patrol_v_rounds: ptz_patrol_rate: ptz_patrol_up_rate: ptz_patrol_down_rate: ptz_patrol_left_rate: ptz_patrol_right_rate: ptz_disable_preset:

5.4 Default Parameters

Default network Parameters

IP address: dynamic obtain Subnet mask:255.255.255.0 Gateway: dynamic obtain DHCP: Disabled DDNS: Disabled **Username and password** Default administrator username: **admin** Default administrator password : No password

5.5 Specification

IT	EM	IP CAM (NIP-02BGPWA2)		
	Mage sensor	1/5" Color CMOS Sensor		
Image Sensor	Display	640 x 480 (300K Pixels)		
	Lens f:3.6mm, F:2.4 (IR Lens)			
	Mini.illumination	0.5 Lux		
<u>.</u>	Lens Type	Glass Lens		
Lens	Viewing Angle	60 Degree		
Audio	Microphone	Audio of two way		
Domain name	Server	MSN server/ DDNS server		
Video	Image Compression	MJPEG		
	Image Frame Rate	15 FPS (VGA), 30FPS (QVGA)		
	Resolution	640 x 480(VGA), 320 x 240(QVGA)		
	Flip Mirror Images	rtical / Horizontal		
	mode	50Hz, 60Hz or Outdoor		
	Video Parameters	Brightness, Contrast		
	Ethernet	One 10/100Mbps RJ-45		
	Supported Protocol	HTTP/DHCP/IP/TCP/UDP/FTP/SMTP/DDNS/PPPoE/UPnP		
Communication	Mobilephone monitor	Support Iphone/Ipad/3G phone/smartphone		
Communication	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	10 IR LEDs, Night visibility up to 15 Mete		
Physical	Product size	100(L) x100(W) x125mm(H)		
	<u>Gross</u> <u>Weight</u>	646.5g/pcs (packing size:196x165x123mm)		
	<u>Net</u> <u>Weight</u>	254.7g/pcs (only product)		
Power	Specification	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		
PC Requirements	CPU	2.0GHZ or above (suggested 3.0GHz)		
	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		