

### We never stop trying!

1 Welcome	3
1.1 Features	3
1.2 Packing List	4
1.3 Product views	5
1.3.1 Front view	5
1.3.2 Rear panel	5
1.4 PC System Requiements	6
1.5 Hardware Instruction	6
1.6 Software installation	6
2 Software operation	9
2.1 IP Camera Finder	9
2.2 Camera Login in IE (LAN)	14
2.3 Camera Icon Functions	17
2.4Setting Details	18
2.4.1 Multi-Device Settings	19
2.4.2 Network Settings	20
2.4.3Wireless LAN Settings	21
2.4.4DDNS Service Settings	22
2.4.5 Mail and FTP Service	22
2.4.6Alarm Service Settings:	23
3 Mobile View	25
3.1 Smart phone Access	26
3.2 Java Phone Access	28
3.3 3G mobile phone platform access	30
3.4 IPhone app for EasyN IP Camera	33
3.4.1 Features	33
3.4.2 Operations and functions demostration	33
4 How to view the camera in outside network	35
4.1 Using a router to access the Internet	35
5.2 Static IP user	37
5.3 How to use other DDNS	
5. Intelligent Video Alarm System	
5.1Registration and Login	40
5.2Add equipments	41
5.3 Download and run Active X	42
5.4 Monitor video viewing	44
5.5Snapshoot at appointed time	46
5.6 Alarm setting	47
5.6.1 Alarm time slot setting	48
5.6.2snapshoot at appointed time	48
6 FAQ	49
7 Warranty Card	52

## 1 Welcome

IP Camera is a new generation product combined with analog camera & IP video technology. Despite all functions which analog cameras have, IP camera can compress and encrypt video and audio signal then through internet send them to remote terminals with its built-in processor and web server. Via its IP address, users can use standard PC IE browser to visit IP camera, real time monitor targets, manage and store video or image. PT control also is available through network.

Being a new member of camera family, IP camera shares the same operation functions with the analog camera, such as, auto white balance, auto shutter speed, AGC, auto backlight compensation etc. On the other hand, IP camera supports remote access through internet and multi-user visit. Some IP cameras are able to extend to both analog and digital signal.

F series IP camera's core is 32Bit RSIC. It adopts standard M-JPEG compression format. The camera sensor is CMOS which supports auto white balance and backlight balance, support IE, cell phone browser, centralized monitor interface management. In general, as its function of audio simplex & duplex, infrared, wired, wireless, local storage, it has hundreds of products, to meet requirements of various kinds of users.

#### 1.1 Features

Powerful high-speed video protocol processor MJPEG video compression Wireless(Wifi 802.11B/G,WEP,WPA,WPA2)optional Remote Pan Tilt (P: 270° T:90° Speed adjustable) IR night vision 10m Support two-way audio function High-sensitivity CMOS sensor Resolution:640 x 480(VGA), 320 x 240(QVGA) Video Frame Rate:25fps(QVGA), 15fps(VGA) Minimum Illumination: 0.1 Lux/F1.2 Supports control P/T through IP network Support Pan Tilt cruise Supporting up to 4 users online simultaneously Supporting image snapshot and video record Support image flip ,mirror Brightness and Contrast adjustable Built-in 10M/100M auto MDI/MDIX Ethernet interface Light Frequency:50Hz, 60Hz or Outdoor



Multi-level users management and passwords definition

Built-in Web server, supports remotely viewing and/or management the camera form a standard Web browser on any computer which can trhough internet.

Supporting Dynamic IP (DDNS) ,Built-in Free DDNS

Giving alarm in cause of motion detection, sending photo to email or FTP, record videos on pc when alarms.

Supporting multiple network protocols: TCP/IP、HTTP、ICMP、DHCP、FTP、SMTP、PPPoE etc.

Support mobile surveillance like Smart phone, 3G phone, IPhone, PDA, etc.

Free 16ch or 64ch software clients support.

Ten languages (English, Simplified Chinese, Traditional Chinese, Spanish, French etc.) support

Support Firefox browser

Reset button available if lost password

#### **1.2 Packing List**

Untie the pack and check the items contained against the following list;

- Wireless IP Camera 1
- Wi-Fi Antenna 1
- DC Power Supply 1
- CD 1 (User Manual、software)
- Qualified Certificate 1
- Mounting Bracket 1
- Srews 2

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

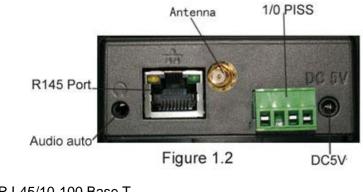


#### **1.3 Product views**

#### 1.3.1 Front view



#### 1.3.2 Rear panel



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



Figure 1.3

**RESET BUTTON:** press and hold down the RESET BUTTON(Figure 1.3 underpan) for 7-10 Seconds .Release the power button and IP Camera will be reset back to the factory default Parameter.



#### **1.4 PC System Requiements**

Minimum Hardware Configuration CPU: Pentium 1.6 GHz Memory: 256MB Audio card: need audio monitor, two way talkback essential Hard Disk : if need to record video image, no less than 40G Operation System: 32 bit simple/ English Windows2000、Windows XP、 Windows2003、Windows Vista & 64 bit simple Chinese/English Windows2003、 Windows XP、 Windows Vista etc. Software environment IE 5.0 or above version DirectX8.0 or above version TCP / IP network protocol

#### **1.5 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 1.3

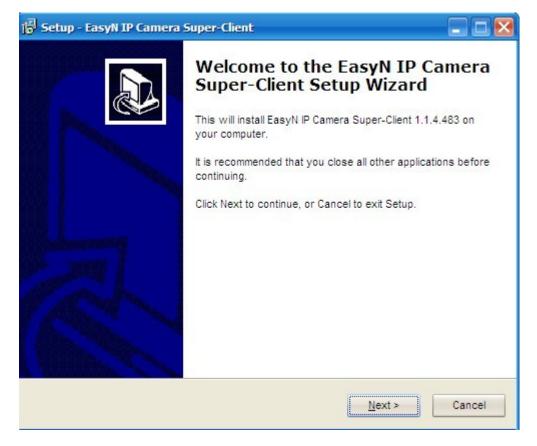
#### **1.6 Software installation**

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

- 1 Open the CD, find the software as instruction;
- 2 Double click Integrated Surveillance Center and install the software as

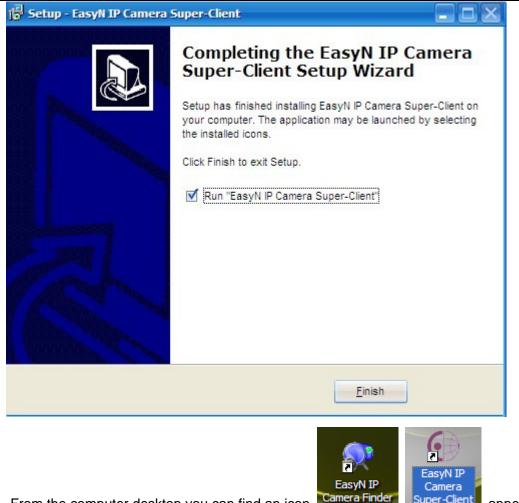


instruction.



3 Only click **Next**, you will complete the software installation.





From the computer desktop you can find an icon

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 damages to your IP Camera.

Do not touch the lens of the IP Camera at will .The optimum focus range has been set before the IP Camera is delivered out of the factory. If you turn the lens, it may cause incorrect focus and vague images.

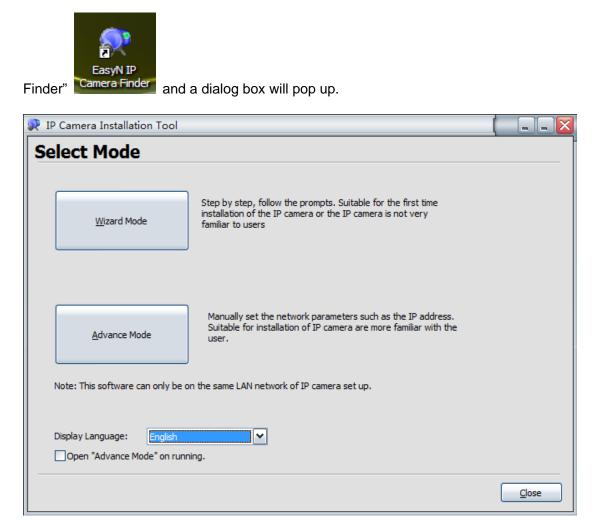
Do not turn the Pan/Tilt by force for it may cause damage to internal components of the Pan/Tilt.

IP Camera terminal shall be installed in an indoor environment.

## **2** Software operation

#### 2.1 IP Camera Finder

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



Wizard Mode(if you not familiar the settings pls chose this mode):

🔉 IP Camera Installation Tool	
Step 1: Connect cable	
In accordance with the figure below to connect IP camera:	
Connect to the router Connect to a computer directly	
Router IP camera Computer	
IP camera connected. Cable interface indicator as shown at right above, a light always, a light flashes. If not no please check: 1.Whether power adapter is normal; 2.Whether network cable is normal; 3.Whether the interface cable access is normal; 4.Whether the switcher or router are normal; <b>After the IP camera is connected, click "Next" button.</b>	ormal,
<u>Prev</u> <u>N</u> ext	Gose

Select 'Connect to the router'or 'Connect to a computer directly' according to your requirments, then click 'Next'.

		elect De	evice				
_	iera searc						
#	Series	Name	IP	Port	SN	Version	Submask
2	F	IPCAM	192, 168, 1, 126 192, 168, 1, 129	81 84	dpvz devk	4.23.2.16:4.3.3.39 4.23.2.16:4.3.3.39	255.255.255 255.255.255
<			Ш				>

Select the right device then Click 'Next '



IP Camera Ins	tallation Tool		
Step 3: S	et IP Address		
IP Address:	192.168.1.126	Manually set th	a ID address
HTTP Port:	81	Current Configure	1
Submask:	255.255.255.0	IP Address:	192 . 168 . 1 . 126 < Recommended: 192.166
Gateway:	192.168.1.1	Port:	81
DNS Server:	202.96.134.33	Submask:	255 . 255 . 255 . 0 < Recommended: 255.25
Inner access:	http://192.168.1.126:81	Gateway:	192.168.1.1 Recommended: 192.168
	Note: The default account	DNS Server:	202 . 96 . 134 . 33 < Recommended: 202.96.
			<<
<u>O</u> ne Key Set	Manually Set		
			QK
	l	<u> </u>	
			Prev Next Close

You can use One key Set or Manually set,here we recommend 'One Key Set' if you are not familiar with the setting, click 'next' after Set IP Address(Note: You have to wait for 40 seconds to restart the device after setting Ip address)

IP Camera Installation Tool		(
SN: hkjg Server: user.easyn.hk		
Check Obtaining DDNS options from device Obtaining DDNS registration status	Successfully! Successfully!	<u>^</u>
<		
Redetect Modify		
The current step has been successful! Clie	Current LAN IP:	http://192.168.1.126:102
		rev <u>N</u> ext <u>C</u> lose



Click 'Next'

稧 IP Camera Installa	ition Tool	
Step 5:Port	t Forwarding	
IP:	192. 168. 2. 102	
HTTP Port:	102	
Router IP:	192.168.2.254 Open	
Outer access:	http://hkjg.easyn.hk Open -	
Check		
< <u>R</u> edetect		
	Inner access: http://192.168.2.102: Note: The default account is "admin", passwo	
	Prev Next	

Here you have finished the setting, click'open' to login the ip camera.

Advanced Mode (if you are already familiar with the settings pls chose this mode):



Advance Mode         Current Computer         Network Card:       Realtek RTL8139/810x F.▼         IP:       192.168.2.27         Sub Mask:       255.255.05         Gateway:       192.168.2.254         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Devices       IP :         Mode       Name         F       IPCAM         192.168.1.126       102         Count: 1       Export	🖣 IP Camera Inst	allation Tool				-	
Network Card:       Realtek RTL8139/810x F.▼         IP:       192.168.2.27         Sub Mask:       255.255.0         Gateway:       192.168.2.254         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Devices       Update         Mode   Name       IP         F       IPCAM         192.168.1.126       Others         Count:1       Export	Advance	Mode					
IP:       192.168.2.27         Sub Mask:       255.255.255.0         Gateway:       192.168.2.254         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Devices       Update         Mode       Name         F       IPCAM         192.168.1.126       Secondary DNS:         Count: 1       Export	Current Computer		Device Information				_
Sub Mask:       255.255.255.0         Gateway:       192.168.2.254         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Update       IP :         Devices       0.0.0.0         Mode Name       IP         F       IPCAM         192.168.1.126       Open         Count: 1       Export	Network Card:	Realtek RTL8139/810x Fi 🌱	General Others				
Sub Mask:       255.255.255.0         Gateway:       192.168.2.254         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Update       IP :         Devices       0 . 0 . 0 . 0         Mode       Name         F       IPCAM         192.168.1.126         Count:1       Export	IP:	192.168.2.27					
GateWay:       192.100.2.204         Primary DNS:       202.96.128.86         Secondary DNS:       Update         Update       IP :         Devices       O. O. O. O. O. O. O.         Mode   Name       IP         F       IPCAM         192.168.1.126         Count:1       Export	Sub Mask:	255.255.255.0	indiric.				
Secondary DNS:       IP :       192 . 168 . 1 . 126         Update       Update       Sub Mask:       255 . 255 . 255 . 0         Mode       Name       IP       Gateway:       0 . 0 . 0 . 0         F       IPCAM       192.168.1.126       Secondary DNS:       202 . 96 . 128 . 86         Secondary DNS:       0 . 0 . 0       0       0       0         Count: 1       Export       http://192.168.1.126:102       Open	Gateway:	192.168.2.254	HTTP Port:	102			
Update       Sub Mask:       255 . 255 . 255 . 0         Devices       Gateway:       0 . 0 . 0 . 0         Mode       Name       IP         F       IPCAM       192.168.1.126         Secondary DNS:       202 . 96 . 128 . 86         Secondary DNS:       0 . 0 . 0         Outer access:       http://192.168.1.126:102         Open       Outer access:         http://hkjg.easyn.hk       Check Open	Primary DNS:	202.96.128.86					
Devices       Gateway:       0       0       0       0         Mode       Name       IP       Primary DNS:       202       96       .128       .86         F       IPCAM       192, 168. 1, 126       Secondary DNS:       0       0       0       0         Count: 1       Export       Export       http://l92, 168. 1, 126: 102       Open	Secondary DNS:		IP :	192.168.1.126			
Devices         Ocustom         Auto           Mode         Name         IP         Primary DNS:         202 . 96 . 128 . 86           F         IPCAM         192.168.1.126         Secondary DNS:         0 . 0 . 0 . 0           Count: 1         Export         Inner access:         http://lkig.easyn.hk         Check Open		Update	Sub Mask:	255 . 255 . 255 . 0			
Mode         Name         IP           F         IPCAM         192.168.1.126           Count: 1         Export			Gateway:	0.0.0.0			
F       IPCAM       192, 168, 1, 126         F       IPCAM       192, 168, 1, 126         Secondary DNS:       0       0       0         Inner access:       http://192, 168, 1, 126:102       Open         Outer access:       http://hkjg.easyn.hk       Check       Open	Devices			Custom     Auto			
F         IPCAM         192. 168. 1. 126           Secondary DNS:         0         0         0         0           Inner access:         http://192. 168. 1. 126: 102         Open         Outer access:         http://hkjg.easyn.hk         Check         Open			Primary DNS:	202 . 96 . 128 . 86	,		
Count: 1 Export	F IPCAM	192, 168, 1, 126	Secondary DNS:		ŕ		
Count:1 Export			Inner access:	http://192.168.1.126:102		Open	
Count:1 Export			Outer access:	http://bkig.easyn.bk Cl	heck	Open	
End Apply	Count: 1	Export					
						And	
						App	
Prev Next Close				Prev		Clos	e

#### Basic Properties

There are some device informations in the Basic Properties ,such as **Device MAC,System Firmware Version, Web UI Version.** 

IP Camera Insta	allation Tool		(X
Advance I	Mode	Device Information General Others	
IP: Sub Mask: Gateway: Primary DNS: Secondary DNS:	192.168.2.27 255.255.255.0 192.168.2.254 202.96.128.86 Update	Version:         4.22.2.29:4.5.3.44           MAC :         00A8F8006F6A           DDNS Password:	
Devices Mode Name F IPCAM	IP 192, 168, 1, 126 <u>E</u> xport		
		Eind Prev Next	<u>A</u> pply <u>C</u> lose

Note: The software searches IP Servers automatically over LAN.

1 .The ip camera and the pc should be in the same LAN

**2 To install more than one cameras in the LAN**, all of the cameras port and IP address can not be same.

**3. pls** make sure the camera ip address is in the same subnet as the gateway (i,e .the first three sections are the same)

4.Mask: The default subnet mask of the equipment is :255.255.255.0

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

6.DNS: IP address of IPS network provider.

7.Port:LAN port assigned for the equipment, usually 81-10000

8.User & Password : Default administrator username/password: admin/No password

## 2.2 Camera Login in IE (LAN)

You can access the camera through IP Camera Tool or IE directly.

1) Click the inner access: "open"

IP Camera Inst	allation Tool	
Advance	Mode	
Current Computer Network Card: IP: Sub Mask: Gateway: Primary DNS: Secondary DNS:	Realtek RTL8139/810x F: 192.168.2.27 255.255.255.0 192.168.2.254 202.96.128.86 Update	Device Information           General Others           Name:         IPCAM           HTTP Port:         102 🔄           IP :         192 . 168 . 2 . 126           Sub Mask:         255 . 255 . 255 . 0
Devices Mode Name F FS/D138M F IPCAM	192.168.2.126	Gateway:       192.168.2.254            • Custom         • Auto          Primary DNS:       202.96.128.86         Secondary DNS:       0.0.0         Inner access:       http://192.168.2.126:102       Open         Outer access:       http://hkjg.easyn.hk       Check Open
	Export	Eind Apply Prev Next Glose

3) To access the camera ,start your web browser and type in the camera's IP address,Such as http://192.168.2.126:102

The Camera Login page pop-up.

2)

Connect to 192.1	68.2.103
	GA
ipcamera_00A8F1006	61D
<u>U</u> ser name:	😰 I 🛛 👻
<u>P</u> assword:	
	Remember my password
	OK Cancel

Enter your account and password on the login page as shown above Administrator's username is: **admin** and no password.



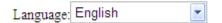
# EasyN IP Camera

ActiveX Mode (For IE Browser)	
Sign in	

Server Push Mode (For FireFox, Google Browser) Sign in

Mobile Phone (For Browser that supports Javascript) Sign in

Ipod touch / iphone 2G, 3G, 3GS, 4 and Ipad dedicated  ${\color{black} Sign in}$ 



do not show next time

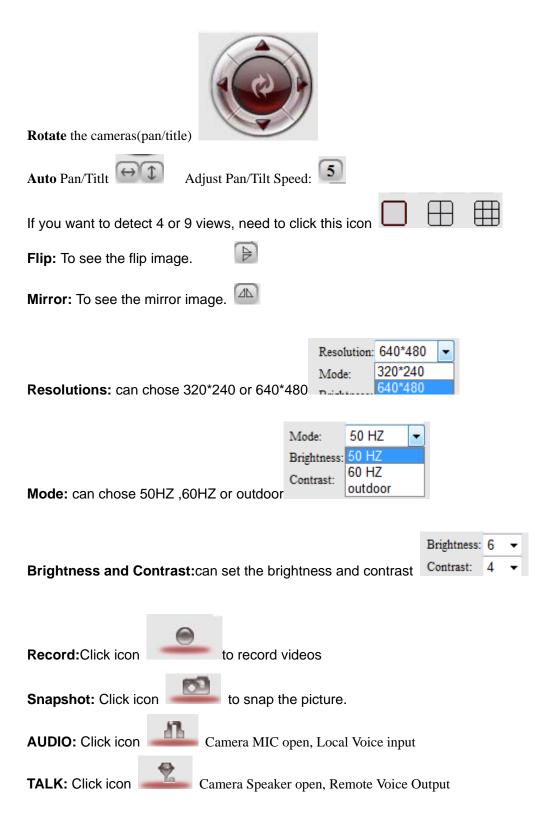
Please Sign in with ActiveX Mode(for IE)



Note: Before IE monitoring through web, it is necessary to install a ActiveX.



#### 2.3 Camera Icon Functions







## 2.4Setting Details

## **EasyN IP Camera Options**

Device Info	Device Status	
Alias Settings Date&Time Settings	Device ID	00A8F7007105
Users Settings	Device Firmware Version	4.22.2.34
Multi-Device Settings	Device Embeded Web UI Version	4.5.3.44
<b>Basic Network Settings</b>	Alias	ipcam
Wireless Lan Settings	Alarm Status	None
ADSL Settings UPnP Settings	DDNS Status	Succeed
DDNS Service Settings	UPnP Status	No Action
Mail Service Settings	P2P Status	Succeed and local listen port: 22202
Ftp Service Settings	Language	English
Alarm Service Settings PTZ Settings		do not show the first page
Log		Refresh
Maintenance		
Back		

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

Alias Settings		
Alias	IP Camera	
Submit Refresh		

#### Data&Time Settings: Data&Time Settings page.

Date&Time Settings	
Device Clock Time	2010年6月29日 14:33:37
Device Clock Timezone	(GMT +08:00) Beijing, Singapore, Taipei
Sync with NTP Server	
Ntp Server	time.nist.gov 👻
Sync with PC Time	
	Submit Refresh

**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.

Administrator: You can setup the advanced configurations of the IP Camera.

Visitor: In this mode ,you can only view.

**Operator:** You can control the direction of IP Camera and set some parameter.

User:	Password:	Group
admin	•••••	Administrator
visitor	•••••	Visitor
operator	•••••	Operator
		Visitor

### **2.4.1 Multi-Device Settings**

Use multiple cameras in LAN

In the Multi-Device Settings page, you can see all devices searched in LAN. You can add more cameras list in LAN for monitoring



Multi-Device Settings	
	IP Camera(192.168.1.126) IPCAM(192.168.1.129)
Device List in Lan	
	Refresh
The 1st Device	This Device
The 2nd Device	None
Alias	IPCAM
Host	192.168.1.129
Http Port	84
User:	admin
Password:	
	Add Remove
The 3rd Device	None
The 4th Device	None
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None
attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.	
	Submit Refresh



### 2.4.2 Network Settings



About http port, In most cases, you can leave this value as however numbers

Basic Network Settings	
Obtain IP from DHCP Server	
IP Addr	192.168.1.126
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS Server	202.96.134.33
Http Port	81
Submit Refresh	

#### 2.4.3Wireless LAN Settings

Click the Scan button (at least two times), select your wifi SSID, and write in your wifi's password.

Wireless Lan Settings	
Wireless Network List	admin[0025864bfeb0] infra WPA/WPA2-PSK ChinaNet-LqYr[002568110c8a] infra WPA/WPA2-F Scan
Using Wireless Lan	
SSID	admin
Network Type	Infra 🔻
Encryption	WPA Personal (AES) 🔻
Share Key	1234567890
	Submit Refresh

#### ADSL Settings ( pls don't use it ,if you use routers)

When connected to the Internet through ADSL directly ,you can enter the ADSL username and password obtained from ISP.

ADSL Settings	
Using ADSL Dialup	
ADSL User	gzfengchna@163.gz
ADSL Password	•••••
Submit Refresh	

**Upnp Settings:** If you have done the port forwarding in the routers, you need not care about it.



UPnP Settings	
Using UPnP to Map Port	
UPnP Status	No Action
Submit Refresh	

#### **2.4.4DDNS Service Settings**

**DDNS Service:** The system support protocols from some DDNS providers, and our own ddns ( built-in)..

**User and Password:** the user name and password used when applying for the domain name .(if use our Built-in ddns, and you can find the ddns user and password from the label of ip camera)

**DDNS or Proxy Server:** If you access the DDNS host through a proxy, you should input the Proxy IP.(if use our Built-in ddns,it's should be **user.easyn.hk**)

DDNS or Proxy Port: Proxy Port. (if use our Built-in ddns, the port should be 808 or 80)

DDNS Service Settings	
DDNS Service	IPCam 🔽
DDNS User	hexm
DDNS Password	•••••
DDNS or Proxy Server	user.easyn.hk
DDNS or Proxy Port	808
DDNS Status	Succeed
	Set Refresh

#### 2.4.5 Mail and FTP Service

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.



Mail Service Settings		
Sender	easynhk@163.com	
Receiver 1	easynhk@163.com	
Receiver 2		
Receiver 3		
Receiver 4		
SMTP Server	stmp.163.com	
SMTP Port	25	
Transport Layer Security Protocol	None 🔽	
	Gmail only support TLS at 465 port and STARTTLS at 25/587 port.	
Need Authentication	ſ <b>∕</b>	
SMTP User	easynhk	
SMTP Password	•••••	
	Test Please set at first, and then test.	
Report Internet IP by Mail		
	Set Refresh	

Settings the FTP Service:

Ftp Service Settings	
FTP Server	202.96.23.258
FTP Port	21
FTP User	easynhk
FTP Password	•••••
FTP Upload Folder	easyn
FTP Mode	PORT 💌
	Test Please set at first, and then test.
Upload Image Now	
Upload Interval (Seconds)	0
Scheduler	
	Set Refresh

### **2.4.6Alarm Service Settings:**

Enter Alarm Service Settings page to configure Motion Detection function. **Scheduler** 

You can set the exact time when the alarms will be open on.

#### Send Mail on Alarm

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

#### **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.

Alarm Service Settings		
Motion Detect Armed		
Motion Detect Sensibility	5 • the bigger number, the higher sensitivity	
Alarm Input Armed		
IO Linkage on Alarm		
Send Mail on Alarm	V	
Upload(FTP) Image on Alarm	V	
Upload Interval (Seconds)	5	
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	
Sun		
Mon		
Tue		
Wed		
Thu		
Fri		
Sat		
Submit Refresh		

PTZ Settings, (here you can set the speed of pan/tilt)

PTZ Settings	
Go center on boot	
PT speed	5 🔻
Upward patrol speed	5 🔻
Downward patrol speed	5 🔻
Leftward patrol speed	5 🔻
Rightward patrol speed	10 -
* the smaller number, the higher speed	
Indicator Display Mode	Non-connected network out
	Submit Refresh

Log

Log

	2010-06-29			192.168.1.100	
Tue,	2010-06-29	06:48:07	admin	192.168.1.100	access

#### Maintenance:

Maintenance	
Reboot Device	Reboot Device
Restore Factory Settings	Restore Factory Settings
Upgrade Device Firmware	浏览 Upgrade
Upgrade Device Embeded Web UI	[ 浏览 ] Upgrade

**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 Mobile View**

First of all, the mobile phone must open the internet access function.

#### 3.1 Smart phone Access

The smart phones are the mobile phones with operating system, such as Windows Mobile and Symbian. Due to its powerful function, the web page browser of such phones usually supports Javascript. That's why it can visit the dynamic pages of the IP camera through web page browser.

First of all, the mobile phone must open internet access function.

Use the browser on the phone to visit the address of the IP camera, e.g.

http://demo.easyn.cn ("demo" is the Serial No. Each device has only one Serial No) Next, taking the Opera mini 4 Version on Windows Mobile as an example, we are

going to introduce the whole procedure.Enter access address http://demo.easyn.cn in the browser address bar, the following interface will appear:

0	http://	218.18.	221.1	49:86/	
Use Pas	ssage Irname sword			.149 DA8F10 Cancel	
	6	Ē			

2. Input the Username and Passoword of the device, and the following interface will appear. There are three log-in options. Click on the third "Sign in" and use Mobile Phone mode.

Language is used to select the display language.

Do not show next time: When this option is selected, this interface will not appear when you log in next time. It will directly skip to the monitor image.

#### We never stop trying!

# EasyN



Description for the monitor image:





Instruction for the Key Function:

Update: it is used to refresh the page. If the monitor piture is kept still, you may press this key to update the page.

Up, down, left, and right: They are used to rotate the camera P/T. The camera without P/T does not have these keys.

Stop: Stop to rotate the camera P/T

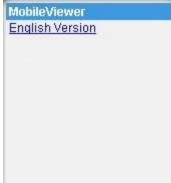
The Download address of the mobile browser Opera mini: <u>http://mini.opera.com</u>. Download the Opera mini browser according to the mobile model.

#### **3.2 Java Phone Access**

Firstly you need to open Internet function on your phone. Next install the mobile phone software. There are two ways for the installation:

1. Access to the download website <u>http://mob.easyn.cn</u> through the phone

When the phone gets access to the website, the following interface will appear



Select the language version you required, such as English Version, then the following interface will appear:

JAD and JAR documents are available to be installed. Usually JAD document is OK. If JAD document fails to be installed after downloaded, please try to download JAR document.

#### 2. Download JAVA Program through Computer

Download the document through computer

English version: http://mob.easyn.cn/en/MobileView.zip

Chinese version: http://mob.easyn.cn/cn/MobileView.zip

Put the file into the phone when the downloaded file is decompressed. Install the program on the phone.

The following is the use instructions



Run MobileView on the phone, and then the following interface will appear: (different phones may have different interfaces)



	MobileViewer 2.0
Menul	

Select "add" to add the equipment to be visited, the following interface will appear:

Add Address	
SN:	
aqht	
Input User Name:	
admin	
Input Password:	
Device Model	
☉M Serial	
F Serial	
	Menu

Input the device access address/Serial No: Input the camera Serial No or access address. For example, if the camera Serial No is "abcd", input "abcd".

Input Username: Input the access account of the device.

Input the Password: Input the access password of the device.

Device Model: Select according to the device model. Select F for this series.

After you have inputted all the information required, if you want to add them into the save list for next visit, select "Save"; if not, select "Open"to visit it directly.

Address List		Add Address	
aqht		SN:	
		aqht	
		Input Use	Menu
		admin	1 Open
•	-	Input pass	2 Cancel
			3 Save
		Device O M Seri	
		● F seri	
	Menu	Back	

Click "Open", and the following interface will appear. You will see the live picture through it.





During the viewing process, users can control P/T upward by press cell phone keyboard. 2 is to upward, 8 downward, 4 & 6 leftward & rightward. Users can also directly use direction key to control.

#### 3.3 3G mobile phone platform access

First open '3g.easyn.hk' via your 3G mobile phone browser.

Take Antroid operating system for example.



1.Select Android and screen size

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3.After you finished registering, use your account to login. Click 'Management' to add a ip camera, as below:

			Camera Name:	
			Camera SN:	
Manageme Name hexm	Camera SNModify hexm Modify	Delete Delete	Account:	
add	nexin <u>ivioury</u>	Delete	Password:	
Home 4	Channels			OK Cancel

4.Click add, fill the Camera Name( define as you like), Camera SN( on the label of the device),Account( default account is admin), Password(default password is None),click ok to finish, you can view the camera via single Channel or 4 Channels(add more than 4 cameras),as below:



#### Single Channel





4 Channels

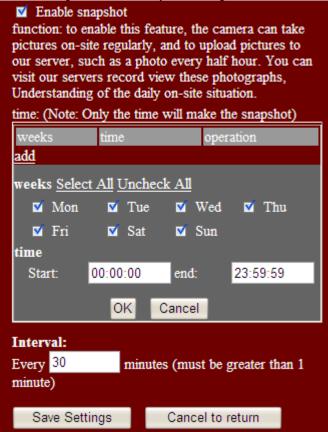
Flow:1.24M FPS:131 Countdown: 55

Note:For single channel view ,you can control the ip camera from 4 directions(up,down,right,left)

Home

#### 5. Snapshot setting

click management---Modify----settings---ok



Enable snapshot and set the interval as above.

## 3.4 IPhone app for EasyN IP Camera

With this app you can remotely view and control your EasyN IP camera from your iPad, iPhone or iPod Touch. From wherever you are!

#### **3.4.1 Features**

- Control the cameras in all 8 directions (if supported by the camera)

- Zoom in and out on the image by pinching (even when your camera doesn't support zoom)

- Fullscreen by rotating the device to a landscape position

- Fullscreen controls

- Swipe in fullscreen view to select another camera, this only work when not zoomed in (double tap to zoom to 100%)

- Take snapshots and save it to your camera roll

- Adjust brightness/contrast

- Mirror and flip is taken into account (so the controls will still work intuitively, even when the camera is mounted to a ceiling for example)

- Adjust brightness and contrast

- Multiple camera support (up to 144 cameras)

-Mosaic view for showing 4 cameras (in landscape) and 6 cameras (in portrait) simultaneously

-Swipe in mosaic view to view more other cameras

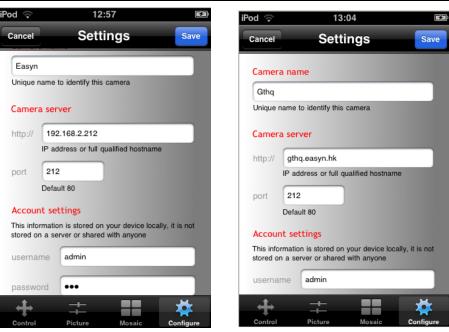
- Possibility to lock PTZ controls and/or rotation
- iOS 4 tested and supported
- Taking full advantage of retina display on iPhone 4

#### **3.4.2 Operations and functions demostration**

Before you use the app, you can download the app at: http://itunes.apple.com/us/app/easyn-ip-control/id391442892?mt=8

1. After finishing installing the app on your IPhone, open the app, click 'Configure' button, select '+' to add a IP camera ,the picture will shown as below:

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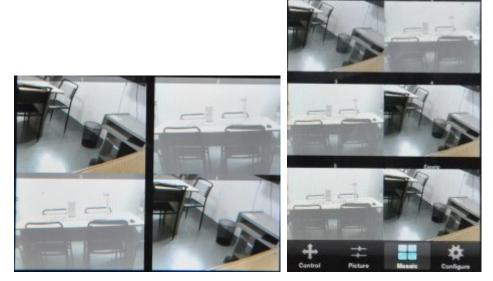
Camera name: define it as you like

Camera server: For inner access, input IP address the ip camera, For outer access, input our built-in domain name (on the label of device) e.g hjey.easyn.hk.How to fill the port, you can refer to chapter 4.1.1)

Account settings: input user name and password( same as IE browser view) After filling all the information, click 'save' button on the top right corner to finish. You can add more cameras as the above.

2. Click' Mosaic' button for Mosaic view (if multiple cameras added)

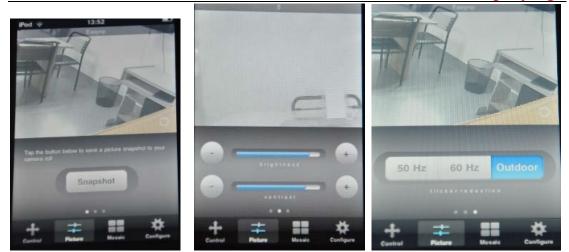
Showing 4 cameras (in landscape) and 6 cameras (in portrait) simultaneously



- 3. Click 'Picture' button. Here you can :
- 1) Take a snap shot and the picure will auto-save to your IPhone
- 2) Adjust the brightness and contrast of the picture
- 3) Select the mode as your requirements: 50HZ  $\scriptstyle\searrow$  60HZ  $\scriptstyle\searrow$  Outdoor



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4. Click 'control' button .Here you can set horizontal or vertical patrol for the IP Camera with pan/tilt.

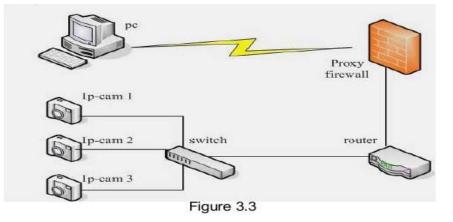


# 4 How to view the camera in outside network

#### 4.1 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.





## **5.1.1 Do port forwarding in your routers:**

Setup Wizard	Ports - Custom Services	
Setup	-	
Basic Settings	Service Name	IP-CAMERA
<ul> <li>Wireless Settings</li> </ul>	Service Type	TCP/UDP -
Content Filtering	Start Port	81 (1~65534)
Logs	End Port	81 (1~65534)
Block Sites	Server IP Address	192 168 1 126
Block Services		All 2010 March 199
Schedule		Apply Cancel
E-mail		
Maintenance		
Router Status		
Attached Devices		
Backup Settings		
Set Password		
Router Upgrade		
Advanced		
Wireless Settings		
<ul> <li>Port Forwarding / Port Triggering</li> </ul>		
WAN Setup		

asyN				We neve	er stop trying!
NETGE					
SMARI		nanager «™ NEXT Wireless Router model W	SUD MODE		
Setup Wizard	Port Forwarding / Port	Triggering			
etup Basic Settings Wireless Settings ontent Filtering	Please select the service type Port Forwarding Port Triggering				
Logs Block Sites Block Services	Service Name		Server IP Address	Add	
Schedule E-mail faintenance	16	IP-CAMERA	81	81	192.168.1.126
Router Status			Edit Service Delete Se	ervice	
Attached Devices			Add Custom Service		
Backup Settings			Add Custom Service		
Set Password					
Router Upgrade					
dvanced					
Wireless Settings Port Forwarding /					
Port Forwarding / Port Triggering					
WAN Setup					
LAN IP Setup					
Dynamic DNS					
Static Routes					
Remote Management UPnP					
Web Support					
Knowledge Base					
Documentation					

- 1) Pls make sure the Server IP Address, start port and end port be same with your camera's.
- 2) Enter IP Camera Finder to set the basic configuration,
- 3) Login the Camera homepage as Administration.
- Enter DDNS Settings Page and enable DDNS service. Click <Submit> and the device will reboot
- 5) You can access the Camera from Internet by domain name( like: <u>http://demo.easyn.hk</u> )

## 5.2 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, and port forwarding in the routers, 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 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; Open the **Status** page to find out the WAN address of the router. In this example, the address is 116.25.51.115.

				Ň	fireless-G Broad	Iband Router	WRT54GL
Status	Setup	Wreless	Security	Access Restrictions	Applications & Gaming	Administration	Status
	Router	Locae Ne	twork 1	Wrets			
Router Information						Firmware Ver	sion. This is t
	Froware	Version u4	30.5, Apr. 27, 2	005		Router's curren	t froware.
	Current Ter	ne: No	A Available			Current Time	
	MAC Addr	ess: 00	OC:41:00:01:71			Teb.	con the Setup
	Router Nar	me: W	RTS4GL			MAC Address	
	Host Name					Router's MAC A	
	Domain Na	une.				by your ISP.	
Internet						Router Name. specific name f	
Configuration Type	Login Type	e: A.	tomatic Config	uration - DHCP		which you set of Tab	
and a fin been a stand	PAddress	11	5. 25. 51. 115			More	
		-inc.	Fig	ure 3.5			

### Access the IP Camera from the Internet

User can access the IP Camera from the Internet, by enter WAN IP address + port number in the IE to access different IP Cameras. For example, Http://116.25.51.115:81 or Http://116.25.51.115:812

## 5.3 How to use other DDNS

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 <u>http://www.dyndns.com/</u>
- Login the Camera homepage as Administration and enter "DDNS Service Settings" page input the name, password and Host. Then click<SUBMIT> and reboot Device.
- Re-login the Camera homepage and enter "DDNS Service Settings" page to check the DDNS Status is DynDns Succeed or not.

4) You only need to enter the domain name(domain name+Port number http:// easynhk.kicks-ass.net:81/) in the IE address bar, the browser will visit the IP Camera.

If multiple IP Camera are connected to the same router, enter DDNS dynamic domain +port number (for example, http:// easynhk.vicp.net:85/) in the address bar of the IE to access different IP Cameras.

## 5. Intelligent Video Alarm System

### The web link: http://app.easyn.hk/html/en/

Intelligent Video Alarm System is a software with centralized management and powerful function and enable extending, the software supports all series products of EasyN. The following take managing Fseries product for example.

To compare with managing on web page, the intelligent system can not only support browser viewing and multi-ch viewing, but also support much characteristic function.

- Access by web browser, no need client-software
- Centralized management for lots of ipcam
- Real time monitoring with multi-ch
- Support snapshooting at appointed time
- Send alarm message to mobile phone and snapshoot when alarming
- Support mobile phone real time monitoring and access alarm records
- Support to check status of ipcam by message
- Support reading logbook
- Support secondary users

When the first time to use the Intelligent Video Alarm System, need running playing Active X for the system. When access the page, it will notice to run the Active X if need, after running with the instruction, the viewing function will be OK. Detailed help, to consult online help file after accessing the page.



## 5.1 Registration and Login

### Registration

The following picture for registration:

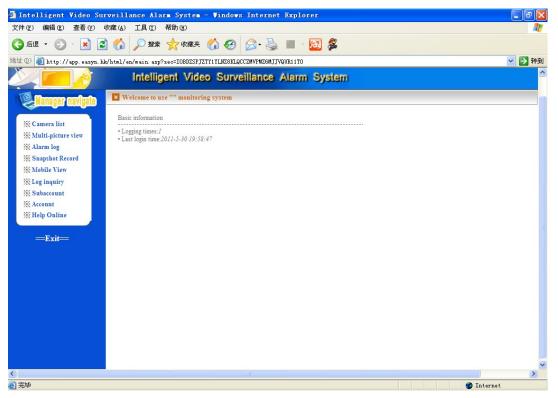
Account:		Put in user name as you 1
Password:		
Password confirmation:		Set password
	<ul> <li>System definition system definition</li> </ul>	Confirm passwor
Password protection question	Choose one questic 💙	
	O Choose freely	
Password protection answer:		
email:		
* please fill in really effective E-mail	address in order to find out passward that is lo	Put in registration
Verify code:	856	
* please fill in really effective E-mail	address in order to find out passward that is lo	Put in registrat

### • Login

Run browser, then put in <u>http://app.easyn.hk/html/en/</u> then press Enter button on keybord, then displaying the following page:



Put in user name and password then press Login button, access the main page, here will show the times about login and time about the nearly login, as the following picture:



### 5.2Add equipments

As the following picture, press Camera list to choose ipcam to add on;



	urveillance Alarn Syst 收藏(a) 工具(T) 帮助(H)	en - Vindows Intern	et Explorer				
	《《藏《》 工具(1) 帮助(1) 3) 🚮 🔎 搜索 🥎 (vii	xx 🟠 🚱 🔗 🍡	🛅 🕯	2			
	hk/html/en/main.asp?sec=IOBD						🗸 🏹 转到
	Intelligent V	ideo Surveillance	Alarm Sys	tem			
Manager navigate	Camera list						
<ul> <li>Camera list</li> <li>Multi-picture view</li> <li>Alarm log</li> <li>Snapshot Record</li> <li>Mobile View</li> <li>Log inquiry</li> <li>Subaccount</li> <li>Account</li> <li>Help Online</li> </ul>	SN Camera Add device Look on locale		Camera SN Onlin	ne status	View	Function setting	Ope
* Add C	čamera					Internet	×
Camera ins	tallation posi	tion		•		Defin	e as you like
Camera SN				•	•	Inn	er ddns nam
Acount:					+	]	
Password :				-		Р	ut in user na
	[	Submit	Can	cel		Put in	password

### 5.3 Download and run Active X

If it is the first time to access the page, please run the Active X before playing video, the means as below:

(1) access cameras list page

click camera list button then displaying as the following picture:



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と件(E) 编辑(E) 査看(V) 必	veillance Alarm System - 1	indows Internet Explor	er			
に」ては、 3月14日 (4) 19	な藏(4) 工具(11) 帮助(11)					<u>_</u>
3 后退 • 🕥 - 💌 💈	🏠 🔎 搜索 🥎 收藏夹 🧭	) 🔗 • 🍓 🖃				
址 @) 🍯 http://app.ipcam.hk/	/html/en/main.asp?sec=5ZSZ8RLD2RFJ]	OAJ8SCH6L409QTC94V048Q1BW2D				🗸 芛 转到
						1
	Intelligent Video	Surveillance Alarm	System			
	Camera list					
Manager navigate	Camera list					
NV C N	S/N Camera	Camera SN	Online status	View	Function setting	Ope
☆ Camera list ※ Multi-picture view	1 indoor	iitw	Online time976672h 45min	View	Setting	<u>Modi</u>
X Alarm log	2 meeting	iizq	Online time976672h 45min	View	Setting	<u>Modi</u>
X Snapshot Record	3 <u>view</u>	iitz	Online time976672h 45min	View	Setting	Modi
※ Mobile View ※ Log inquiry ※ Subaccount	Add device Look on locale Have not intall Acti	veX, click Hereto	download and int	all .then	update the	bage
% Mobile View % Log inquiry		veX, click <u>Here</u> to Up Left Rig Down	_	all ,then	update the j	page

Press mouse left button on "Here" to download the Active X, display following picture:

File Download - Security Warning
Do you want to run or save this file?
Name: ipcamax.exe Type: Application, 1.73MB From: app.ipcam.hk <u>R</u> un <u>S</u> ave Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. <u>What's the risk?</u>

Click "run" button then starting download,

After download, display a dialog for asking to set up, as following picture:

Internet	Explorer - Security Warning	$\mathbf{X}$
The pu softwa	blisher could not be verified. Are you sure you want to run this re?	
Nar	ne: ipcamax.exe	
Publish	er: Unknown Publisher	
	Run Don't Run	
<b>1</b>	This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. <u>How can I decide what software to run?</u>	u

Click run button,(if the pc has a firewall or other protect software,it will ask for permission,pls permit).

Click the next button, dialog as following:

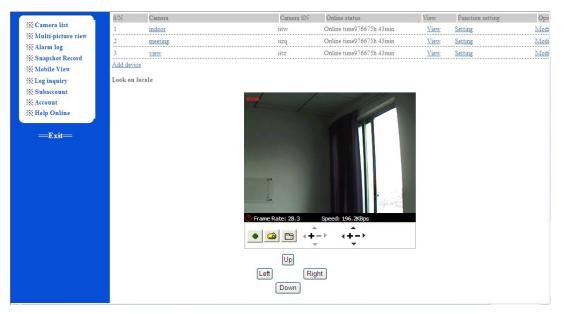
🔀 Setup - EasyN IPCamera	ActiveX
	Completing the EasyN IPCamera ActiveX Setup Wizard Setup has finished installing EasyN IPCamera ActiveX on your computer. Click Finish to exit Setup.
	Einish

### 5.4 Monitor video viewing

Click camera list button on left menu, the network video equipments will display as a list, as following picture:

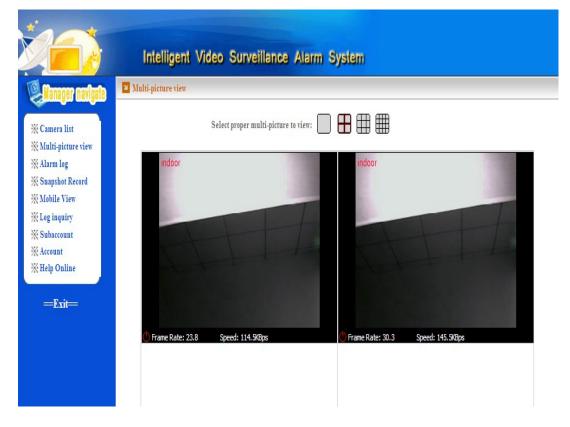
		Intelligent Video	Surveillance Alarm	System			
Manager navigate	La Ca	mera list					
	S/N	Camera	Camera SN	Online status	View	Function setting	Ope
Camera list	1	indoor	iitw	Online time976673h 49min	View	Setting	Mod
Multi-picture view	2	meeting	iizq	Online time976673h 49min	View	Setting	Mod
Alarm log	2	view	iitz	Online time976673h 49min	View	Setting	Mod

#### Click the "View" button, the live video will display, as the following picture:



Click the "multi-picture view" buttom on the left menu, access multi-ch viewing page, as the following picture"





### 5.5Snapshoot at appointed time

Click camera list button on left menu,select "setting" button the camera you want to get the snapshot, as the following picture:

退 • 🕥							
-		🛃 🌈 💭 複素 🥪 收藏	ж 🏠 🚱 🍰 🌺				
and the object of a	ann incam b	nk/html/en/main.asp?sec=DBV9Q					✓ →
	ipp. ipcum i	an nomi, en main, asp. sec					
-							
AL I		Intelligent Video S	Surveillance Alarm	System			
ir navigate		imera list					
	S/IN	Camera	Camera SN	Online status	View	Function setting	Ope
st ure view	1	indoor	iitw	Online time976671h 10min	View	Setting	Modi
ure view	2	meeting	iizq	Online time976671h 10min	View	Setting	Modi
Record	3	view	iitz	Online time976671h 10min	View	Setting	Modi
					_		
ne							
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				/			
				/			
				/			

Click "modify" button, as the following picture:

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# EasyN

Ż	Intelligent Video Surveillance Alarm System
Manager navigate	Camera Settings Center
<ul> <li>Camera list</li> <li>Multi-picture view</li> <li>Alarm log</li> <li>Snapshot Record</li> <li>Mobile View</li> <li>Log inquiry</li> <li>Subaccount</li> <li>Acount</li> <li>Help Online</li> </ul>	Equipment:indoor[aizrh] Timed photographing This function is valid before 2011-9-8 0:42:49 Upload photos regularly to allow the number of sheets were as follows:100 Not enabled. Model: Alarm Not enabled. Modify Back
=Exit=	
Manager navigate	Timed photographing
	This service will be valid before:. Allow at most:timer snapshots to be uploaded
☆ Camera list ※ Multi-picture view ※ Alarm log	Enable timed photographing
X Snapshot Record	timed photographing period (only phographing during the time below)
※ Mobile View ※ Log inquiry	Week Time
₩ Subaccount ₩ Account	Add Del Modify
₩ Help Online	Time interval for photographing: Every minutes ( must be more than one minutes)for one time photographing
==Exit==	Sumbit Cancel

Here can set the snapshot appointed time and how many pictures to upload.

After setting, click "" buttom to save the settings.

Click the "" button on the menu on the right of the page,select the equipment,the picture uploaded to the server at appointed time could be viewed.

Select a picture, double click, the picture becomes larger.

### 5.6 Alarm setting

Here the alarm function can set the alarm time slot, snapshoot after alarming and message notices, etc. As the following picture:



## We never stop trying!

		em - Windows Internet	Explorer			
文件(王) 编辑(王) 3						<u></u>
😋 后退 🔹 🐑 🕤	💌 😰 🏠 🔎 搜索 🥎 收藏	kæ 🏠 🧭 😒 🌺	🧫 🌆 🌋			
the (D) A http://apu	p.ipcam.hk/html/en/main.asp?sec=DBV95					🗸 🍑 转到
and a second sec	p apear ato name, ato mana asp see sorre					
*						
	Intelligent Video	Surveillance Alarm	System			
			Sjatam			
anager maxibate	Camera list					
and the second se	S/N Camera	Camera SN	Online status	View	Function setting	Ope
era list	1 indoor	iitw	Online time976671h 10min	View	Setting	Modi
icture view	2 meeting	iizq	Online time976671h 10min	View	Setting	Modi
log	3 <u>view</u>	iitz	Online time976671h 10min	View	tting	Modi
ot Record	Add device			-		
nquiry	Look on locale					
quiry count nt						
oquiry count nt Duline			/			
quiry count nt Dnline			/			
quiry ount at mline			/			
quiry count nt Dnline						
nquiry ccount nt Online						
nquiry ccount ant Online						
le View nquiry count int Online Stit						
nquiry ccount ant Online						
nquiry ccount int Online						

Click "setting", access the alarm snapshoot setting page, as the following picture:

Manager navigate	Camera Settings Center
Camera list	Equipment:indoor[aizrh] Timed photographing
Multi-picture view Alarm log	This function is valid before :2011-9-8 0:42:49.Upload photos regularly to allow the number of sheets were as follows:100 Not enabled.
Snapshot Record Mobile View	Modify
Log inquiry Subaccount Account	Alarm Not enabled.
Help Online	Most

#### 5.6.1 Alarm time slot setting

Only at the alarm time slot the alarm system could make alarming action. Support function for select weeken,appoint time,induce alarm setting and alarm actions. Such as the following picture:

#### 5.6.2snapshoot at appointed time

Support setting time slot for snapshoot, snapshooting with an interval time. For appointed time snapshooting, need select the option as the following picture, also can set the interval time for snapshoot.



## 6 FAQ

**Note:** Any quesetions you would meet, please check Network connections firstly. Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

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

To reset the administrator username and password, Press and hold down the RESET BUTTON fur 7 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

2.IP Address cojfiguration

Check whether IP address of the IP Ccamera 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

### 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 documentation for more information ). If none of these seem to be the problem, it's also possible that your ISP isblocking 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).

4.No pictures Problems with ActiveX Controller

If Internet Explorer is used as WEB Browser, 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 ActiceX 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

Ganeral Security Privacy Content Connection	
Select a Web content zone to specify its security of	ettings.
internet Local Internet Trusted alles	Security Settings
Internet This zone contains of Web sites you herein placed in other zones Security level for this zone Custom Custom cettings. - To charge the settings, click Custo - To use the recommended settings, Dustom Level	

Figure 4.1

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,).

## FCC warning statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

## FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."



## 7 Warranty Card

Manufacturing Date:	Product Specification:		
Inspector:			
Version number :			
Product Model			
Sale Dates			
User Company			
User name			
Customer Address			
Contact Number			
Maintain Date	Failure Conditions	Results of Maintenance	
Remark:			

Note: please fill the card and offer it with products if guarantee of repair

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