HIKVISION

User Manual of Cost-effective Network Camera

Version 1.0

Thank you for purchasing our product. If there is any question or request, please do not feel hesitated to contact us.

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.



Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into "Warnings" and "Cautions".

Warnings: Serious injury or death may cause if any of the warnings is neglected.

Cautions: Injury or equipment damage may cause if any of the cautions is neglected.





Warnings:

1. In the use of the product, you must be strict compliance with the electrical safety regulations of the nation and region.

2. Input voltage should meet both the SELV(Safety Extra Low Voltage) and the Limited Power Source

with AC 24V or DC 12V according to the IEC60950-1 standard. Please refer to technical specifications

for more details.

- 3. Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- 4. Please make sure that the plug is firmly inserted into the power socket.
- 5. When the product is installed on wall or ceiling, the device shall be firmly fixed.
- 6. If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- 7. If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

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- 1. Make sure the power supply voltage is correct before using the camera.
- 2. Do not drop the camera or subject it to physical shock.
- 3. Do not touch CMOS (Complementary Metal-Oxide Semiconductor) modules with fingers. If cleaning is necessary, Please use dry and soft cloth for outside panels cleaning. For persistent smudges, use soft cloth with a bit of cleaning agent, wipe it gently and dry it after all the above operations. Volatile solvents like ethanol, benzene and dilution agent are all forbidden, or they may damage the surface of the panels otherwise. If the camera will not be used for an extended period, please turn on the lens cap to protect the CMOS from dirt.
- 4. Do not aim the camera at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of CMOS at the same time.
- 5. The CMOS may be burned out by a laser beam, so when any laser equipment is on using, make sure that the surface of CMOS will not be exposed to the laser beam.
- 6. Do not place the camera in extremely hot, cold(the operating temperature shall be $-10^{\circ}C \sim +60^{\circ}C$), dusty or damp locations, and do not expose it to high electromagnetism radiation.
- 7. To avoid heat accumulation, good ventilation is required for operating environment.
- 8. Keep the camera away from liquid while on using.
- 9. While on a delivery, the camera shall be packed in its original packing, or packing of the same texture.
- 10. Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average enduring time. The average time varies because of differences between operating environment and using history, so regular checking is recommended for all the users. Please contact with your dealer for more details.



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Chapter 1 Introduction

Product Introduction

DS-2CD726F-PT, DS-2CD727PF-PT series cameras are a kind of cost-effective network camera, which is widely applied in the minitype lieu, such as house and small and medium enterprises indoor surveillance. The features are as following:

- Adopted High Performance TI DSP chip;
- Introduced H.264 video compression technology, which provides high compression ratio and flexible processing.
- Ample Function: Heartbeat, PT control, Voice Talk, Alarm, User Management;
- Network Function: Support the complete TCP/IP protocols, video/alarm/audio data and IE browsing.
- Minimum Illumination up to 0.4Lux/F1.2(0Lux with IR);
- High Signal /Noise Ratio;
- A high degree of color reduction;
- Embedded P/T, realizes Pan and Tilt rotation;
- Built-In IR, supports Day and Night surveillance
- Supports Infrared Remote Control;
- Support s SD Card for Local Recording.
- Supports Privacy Protect, easily realized through Remote Control;
- Power Supply: DC12V±10%

[Notice] IR, wireless, alarming, audio, SD card and embedded P/T are optional.

1.1 Appearance Introduction

[Notice] The following example is DS-2CD727PF-PT.





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Fig1-2-3 Remote Control Panel Introduction

Menu: Press the button 3 seconds, you will see the camera main menu;

Up: Control the cursor upwards on the menu state; Control the camera upwards while exit the menu. **Down:** Control the cursor downwards on the menu state; Control the camera downwards while exit the menu.

Left: Control the camera move to the left;

Right: Control the cursor move to the right;

On Guard: Enable the "On Guard" function, and you can deploy the camera through the network.

Cancel Guard: Cancel "On Guard" deployment, and you cannot set the "On Guard" through the network. [Notice] When the Menu is Open, the above mentioned "Security" and "Withdraw" are separately

used as "IRIS+" and "IRIS-". The function of "F1, F2, F3, F4 and ^(S)" is temporarily reserved. You can control the camera rotation with the Remote Control. Once the direction button is pressed, the camera will gyrate towards the orientation you select. It will not stop until you press the "Menu" button.



1.2 State Indicate Lamp Introduction

Alarm	On Guard	Privacy Protect	State Indicate Lamp
×	×	×	Off
×	×		Green On
×	\checkmark	×	Red On
×	\checkmark		Orange On
\checkmark	×	×	Red Flicker(1 /s)
\checkmark	×		Green Flicker(2/s)
\checkmark	\checkmark	×	Red Flicker(2 /s)
\checkmark	\checkmark		Orange Flicker(2/s)

1.3 Application



Figure 1-3-1 Topological Graph of System

1.4 Default IP, User Name and Password

Default IP: 192.0.0.64

User Name: Admin

Password: 12345



Chapter 2 Installation

2.1 Notice Options

- 1. Please check if all the items on the package list have been included with your camera.
- 2. Read the following contents carefully before the installation.
- 3. Make sure that all the related equipment is power-off during the installation.
- 4. Check the power supply to prevent any damage caused by un-matching problems.
- 5. This product is not for any environment of high humidity or high temperature. Conditions of rain, airlessness or frequent shaking are also prohibited.
- 6. Never install the camera nearby the venthole of the air conditioning, or the lens will be dewed, which results in mistiness.
- 7. If the product does not operate properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. Users are responsible for any problem caused by modification or repairing without authorization.

2.2 Installation Step

Both DS-2CD726F-PT and DS-2CD727PF-PT adopt the following installation method, the example is DS-2CD727PF-PT.

Step 1: Take out the metal fixed plate, and install it on the wall or ceiling with the bolt.

Step 2: Put the slot (on the camera's pedestal) into the socket (on the metal fixed plate), and gently push it

back, till it is fixed. The above introduce is as shown in the Figure 2-2-1.



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Figure 2-2-1 Schematic Installation

[Notice] If you need to take the camera down from the metal fixed plate after installation, never forcedly pull or draw it. You can press the small metal sheet popped out on the bottom of metal fixed plate, and make it leave the small socket. Hold down the pedestal and slowly push it forward to remove the camera.



2.3 Alarm output Connection

There are two on/off alarm inputs and one on/off alarm output. The following figure gives you visual illustration.



Figure 2-3-1 Alarm output Connection

The alarm output is a on/off output that requires external power supply on connection. The external direct current supply shall not be beyond 12V DC/30mA. Use alternating-current main, please attach the relay. Equipment damage or electric shock may cause without relay.

2.4 Pressed-Line Terminal Introduction



Figure 2-4-1 Pressed-Line Terminal

Connect the external alarm input, output and RS-485 control line, please gently press the orange Pressed-Line Terminal and Plug the line into the connection hole, then release the Pressed-Line Terminal.

[Notice] Gently draw the line to make sure the line is firmly connected, which avoid the open circuit and out of control.



Chapter 3 Parameter Configuration

There are several network parameters of the camera that need to be set after the hardware installation.

Those parameters including IP address, subnet mask and port number, etc. can be set through various kinds of methods, 2 of which are introduced as below.

- 1. Set the camera parameters such as IP address and PPPOE through IE.
- 2. Set the camera parameters through the client software.

Please make sure that the PC and network camera are connected and can ping successfully before the parameter setting.

- 3.1 Network Camera Configuration
- 3.1.1 Wireless Network Camera(Only support –W series)
- Type 1: Point to Point Connection Mode

In the mode, IP camera directly links to the wireless network laptop. It's shown as following figure:





Wireless IP camera

Wireless network laptop

[Notice] The above-mentioned function is reserved at present.



Type 2: Integration Connection Mode

In the mode, the IP camera links to wireless accessing station firstly. The following figure illustrates this:



Wireless IP camera

Wireless acessing station

3.1.2 Cable Network

Type 1: Trough the Ethernet interface access LAN

In this mode, the IP camera accesses the LAN trough the switch or the hub.

As the following figure show:



Type 2: Trough the Router access WAN

User can visit the IP camera on the Internet. Broad band router requests IP Masquerade., i.e., visual sever.



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3.2 Set Parameters through IE

[Notice] Before watch the camera video through web browser, user should set the security level. Open the web browser, and enter the menu "Tool/ internet option/Security/Custom level", then set the security level to Security Level –Low, or enable ActiveX Control and the Plug-in directly. Figure 3-2-1 gives you a visual illustration. After you can see the camera video, set the security level to the default level for security.



Figure 3-2-1 Set the Security Level

The default IP of the camera is 192.0.0.64 with 8000 as the default port, admin as the administrator, and 12345 as the password. The administrator can create up to 15 separate operators with different right levels.

To login the camera through IE, input the IP address in the address column, and the "Login" dialog box will pop-up as Fig. 3-2-2. Input your user name and password, and then click "Login" to enter the "preview" page. Double click the "Camera 01" channel or "Preview" button to view the menu as Figure 3-2-3. Right click the "Camera 01" channel, and the "Main Stream", "Sub Stream" and "Open sound"



options will popup. Select the Open sound option.

CPU:50% 2007-07-14 16:17:30	🛓 Login 💽 Play 🌮 Playback 🗘 Conifig 👩 Log	
	Login (V1.6 20070612)	

Fig. 3-2-2 Login Interface



Fig 3 -2-3 Previewing Interface

The "Playback" and "Log" functions can be used only in the condition of existing the SD card. To set the camera parameters through IE browser, click "Config" and wait for the "Remote Parameters Config" dialog box to pop up, and then set the parameters like IP address, etc. for your demand as Fig. 3-2-4.

Enter the menu by invoking the 95th pre-set. Select the function you want by clicking the direction key.

Click the IRIS+ button you can enter the submenu. The menu operation is like the remote control.

[Notice] If plug the SD card into the camera, user should enter the "config" and select "other function" to format the SD card.

For more specific information of "Remote Parameters Config", please refer to "Instructions of Client Software (version 4.01)" from Section 2.5.3 of remote-distance parameter settings. Instructions can be found in the client software4.01 in the path of "Start" \rightarrow "Program" \rightarrow "client software 4.01" after installation.

emote parameters Co	nfig		Ε		
📃 DVSR Para. 🥳 Cl	nan Para. 🛛 💷 Serial Para. 🗎	斗 Alarm Para. 🛛 🙈 User	🔊 Other		
	ation	- 10-			
DVSR Name	network camera	Cycle Record	Yes		
Device ID	88	Use Scale	UnUse 🔻		
Channel Number	1	HDD Number	0		
Alarmin Number	4	AlarmOut Number	2		
DVSR Type	DVS 👻		,		
Serial Number DS6101HF-IP0020070519BCCH004000055WCU					
	formation				
NIC Type	10M/100M AUTO	MAC Address	00:40:30:7c:c4:07		
DVSR IP	192.0.0.5	Port	8000		
Subnet Mask	255.255.248.0	Gateway IP	0.0.0		
DNS IP	192.0.1.13	Multicast IP	0.0.0		
Manage Host IP	192.0.1.13	Manage Host Port	7200		
Use PPPoE	UnUse 🚽	PPPoE IP	0.0.0.0		
PPPoE User		PPPoE Password			
NAS Host IP	0.0.0.0	NAS Directory			
HTTP Port	80		,		
DVSB version informatio	n				
SoftwareVersion	V2.0 build 070427	HardwareVersion	0x0		
DSP Version	V4.0 build 070411	FrontPanel Version	0		
Restore	Reboot		Save Exit		

Fig. 3-2-4 Remote Parameters Config

3.3 Parameter Configuration through Client Software

After the installation of client software 4.01, click the "client software 4.01" in "Start" \rightarrow "Program" \rightarrow "client software 4.01", a message box of "Register Administrator" as Fig. 3-3-1 will appear by then for the first time running. Both the user name and password should be no less than 6 digits for



registration.

[Notice] Please keep the user name and password in mind .You may not be able to get access to the software if any of them is missing.

R	Register administrator					
	-Please register	one adm	ninistrator			
	Administrator					
	Login					
	Verify					
	Projetor		C. Currant			
	[Negister		Lancel			

Fig.3-3-1 Register Administrator

Enter the registered user name and password as Fig. 3-3-2. Click "Login" to enter the "Preview" menu as Fig. 3-3-2.

Login	×
👃 User name: 🛛	
Modify Login Cancel	

Fig. 3-3-2 User Login



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Fig. 3-3-3 Preview Menu

Click the "Configure" button in Fig. 3-3-4, and then right click the blank spaces in the middle. Click the "Create Root Node" button as Fig. 3-3-4, and the "Area Properties" message will pop up as fig 3-3-5.

Network Video	Software	
	Login Preview Configure Playback User Map Hide Exit	
	Create root node Add area Add dream media server Add device Get device log Delete node	15 : 25 : 00 2007 - 07 - 14 1
	Down	
	Group	
List Group	Play Record Capture	0000

Fig. 3-3-4Create Root Node

Network Video S	oftware								
	Login	Preview	Configure	Playback	User	Мар	Hide	Exit	
					»>				15:25:20 2007-07-14 1
					<=				
		Area P Are A	Properties a Information rea name:						
		U	pper area name: [
				_		Cancel			
						Group			R
List Group			**************************************			Play	Record	Capture	0000

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Fig. 3-3-5Area Properties

Input the area name (you can create whatever name you like) and click "OK" as Fig. 3-3-5. Then right click the area name you have just created as Fig. 3-3-7.

Network Video Software									
	Login	Preview	Configure	Playback	User	Мар	Hide	Exit	
-91					**			e	15:25:39 2007-07-14 1
					<=				
					qL				
				D	own				
									R
List Crow-						Group			
List Group			»			Play	Record	Capture	0000

Fig. 3-3-6Area Name Adding Completed

Network Video Software						
	Login Preview Configure Playback User Map Hide Exit					
- 9 1	Creste root node Add area Add stream media server Add device Get device log Delete node	5:25:39 2007-07-14 1				
	 <<=					
	Down					
		R				
List Group	Play Record Capture	0000				



Fig. 3-3-7Right Click the Area Name

Click "Add Device", and the "Server Properties" dialog box will pop up as Fig. 3-3-8. Input your "Server Name" and select "HC" from the "Server Type" option. Select "Normal" from "Register" option. Input your camera IP in "Server IP", e.g. 192.0.0.64; "User Name": admin, "Password": 12345, and 8000 for the default "Port", and then modify "Channel" to 1. Click the "OK" button as Fig. 3-3-8.

Network Video	Software	
	Login Preview Configure Playback User Map Hide Exit	
🕲 1		1동 : 근 7 : 낙동 2007 - 07 - 14 1
	Server Properties Server Properties Configuration Server name: İnikvision Register Normal User name: admin Password: ******	
	Port: 8000 Channel 6 Multicast IP:	
	OK Cancel	
List Group		0000

Fig. 3-3-8Add Device





@000C	2010 hu		A 11	righta	record
©2006 –	2010.00	TINVISION.	All	nunis	reserved.
	,			3	



Click the "Preview" button to enter the "Preview" menu as Fig. 3-3-10. Double click the channel name in the left tree to preview the pictures.



Fig.3-3-10Preview Menu

Please refer to "Network Video Surveillance Software Operation Instruction (4.01)" for more detailed parameters configuration. You can find the document in PC Operating System after the installation of client software 4.01 by selecting "Start"-> "Program"-> "client software 4.01".

3.4 Search and Amend IP

Run the software of SADP in the CD-ROM attached in the camera, and click the "enter" to enter the list which displays the online device's information, such as IP address, port, subnet mask, device serial-number and so on. It's shown as following:



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Device type IP address Port number Device Serial No. 001 SERIES 192.0.0.64 8000 DS6104HCi00200707 002 SERIES 192.0.7.15 8000 DS7104H012007122 004 SERIES 192.0.3.58 8000 DS7204H012007132 005 SERIES 192.0.2.57 8000 DS7204H0120070824 006 SERIES 192.0.7.23 8000 DS20F1-613002007C 007 SERIES 192.0.7.23 8000 DS20F1-613002007C 008 SERIES 192.0.7.23 8000 DS6104HC002007092 009 SERIES 192.0.7.23 8000 DS6104HC002007092 011 SERIES 192.0.7.23 8000 DS6104H-6002007092 012 SERIES 192.0.7.24 8000 DS6102HF-600200701 013 SERIES 192.0.7.24 8000 DS20F1-6130020070 014 SERIES 192.0.7.24 8000 DS20D852F00200707 015 SERIES 192.0.3.214 8000 <t< th=""><th>SADP</th><th></th><th></th><th></th><th></th><th>د</th></t<>	SADP					د
001 SERIES 192.0.0.64 8000 DS6104HC100200707 002 SERIES 192.0.7.15 8000 DS7104H012007123 003 SERIES 192.0.7.51 8000 DS7204H012007113C 004 SERIES 192.0.2.57 8000 DS7204H012007022 005 SERIES 192.0.2.57 8000 DS7204H012007027 006 SERIES 192.0.7.20 8000 DS20F1-6130020070 007 SERIES 192.0.7.23 8000 DS20071-6130020070 009 SERIES 192.0.7.23 8000 DS6104HC002007032 011 SERIES 192.0.7.23 8000 DS6102HFA00200710 013 SERIES 192.0.7.243 8000 DS2004HC00200701 014 SERIES 192.0.3.214 8000 DS2104F00200701 015 SERIES 192.0.3.277 8000 DS210452F0020071 015 SERIES 192.0.7.135 8000 DS6104HC002007032 020 SERIES 192.0.7.135 8000		Device type	IP address	Port number	Device Serial No.	Device Ceriel Number
002 SERIES 192.0.7.15 8000 DS7104H0120071224 003 SERIES 192.0.7.51 8000 DS7204H0120071224 004 SERIES 192.0.7.51 8000 DS7204H012007124 005 SERIES 192.0.7.202 8000 DS7204H0120070826 007 SERIES 192.0.7.202 8000 DS5104HC.40020070 008 SERIES 192.0.7.23 8000 DS5104HC.00200702 009 SERIES 192.0.7.23 8000 DS5104HC.002007032 011 SERIES 192.0.7.23 8000 DS6104HC.002007032 013 SERIES 192.0.7.243 8000 DS6104HC.00200701 013 SERIES 192.0.7.243 8000 DS20D452F00200712 013 SERIES 192.0.3.214 8000 DS20D452F00200712 015 SERIES 192.0.7.200 8000 DS6104HC.002007032 020 SERIES 192.0.7.135 8000 DS20D452F00200712 013 SERIES 192.0.7.203 8000 DS20D452F00200712 020 SERIES 192.0.7.135	001	SERIES	192.0.0.64	8000	DS6104HCI00200707	Device Serial Number
003 SERIES 192.0.7.51 8000 D\$7204H012007113C 004 SERIES 192.0.3.58 8000 D\$6104HCA00200702 005 SERIES 192.0.2.57 8000 D\$7204H0120070826 006 SERIES 192.0.7.202 8000 D\$7204H0120070826 007 SERIES 192.0.4.85 8000 D\$20F1-6130020070 008 SERIES 192.0.7.23 8000 D\$7204H012007092 009 SERIES 192.0.7.23 8000 D\$7204H012007092 011 SERIES 192.0.7.23 8000 D\$6104HC00200709 012 SERIES 192.0.7.23 8000 D\$6104HFA00200710 013 SERIES 192.0.7.243 8000 D\$6104HFA00200710 015 SERIES 192.0.3.214 8000 D\$20D852F00200712 015 SERIES 192.0.3.211 8000 D\$6104HFA00200710 016 SERIES 192.0.7.35 8000 D\$6104HFC00200703 017 SERIES 192.0.7.135 8000 D\$6104HFC00200703 018 SERIES 192.0.7.135 <t< td=""><td>002</td><td>SERIES</td><td>192.0.7.15</td><td>8000</td><td>DS7104H0120071224</td><td>DS6104HC0020070824BCCH10</td></t<>	002	SERIES	192.0.7.15	8000	DS7104H0120071224	DS6104HC0020070824BCCH10
004 SERIES 192.0.3.58 8000 DS6104HC-A0020070 005 SERIES 192.0.2.57 8000 DS7204H0120070822 006 SERIES 192.0.4.85 8000 DS5101HF00200707 007 SERIES 192.0.4.85 8000 DS204F1-6130020070 008 SERIES 192.0.7.23 8000 DS204H0120070902 009 SERIES 192.0.7.23 8000 DS6102HF-A0020070 010 SERIES 192.0.7.23 8000 DS6102HF-A0020070 013 SERIES 192.0.7.243 8000 DS6102HF-A0020070 013 SERIES 192.0.7.243 8000 DS204H02007070 014 SERIES 192.0.7.243 8000 DS200716 015 SERIES 192.0.3.214 8000 DS2020852F00200716 016 SERIES 192.0.3.214 8000 DS2020852F00200716 017 SERIES 192.0.3.27 8000 DS21082F00200716 018 SERIES 192.0.7.180 8000 DS200852F00200705 020 SERIES 192.0.7.135 8000 </td <td>003</td> <td>SERIES</td> <td>192.0.7.51</td> <td>8000</td> <td>DS7204H0120071130</td> <td>version</td>	003	SERIES	192.0.7.51	8000	DS7204H0120071130	version
005 SERIES 192.0.2.57 8000 DS7204H012007082 006 SERIES 192.0.7.202 8000 DS2-DF1-6130020070 007 SERIES 192.0.7.202 8000 DS2-DF1-6130020070 008 SERIES 192.0.7.23 8000 DS2-DF1-6130020070 009 SERIES 192.0.7.23 8000 DS7204H0120070902 010 SERIES 192.0.7.23 8000 DS6102HF0020070 011 SERIES 192.0.7.243 8000 DS6102HF002007101 012 SERIES 192.0.7.243 8000 DS2-DF1-6130020071 014 SERIES 192.0.7.243 8000 DS2-DF1-6130020071 014 SERIES 192.0.3.214 8000 DS2CD852F00200712 015 SERIES 192.0.3.211 8000 DS2CD852F00200712 013 SERIES 192.0.7.128 8000 DS2CD852F00200712 015 SERIES 192.0.7.135 8000 DS2CD852F0020070 021 SERIES 192.0.7.135 8	004	SERIES	192.0.3.58	8000	DS6104HC-A0020070	VERSION
006 SERIES 192.0.7.202 8000 DS2-DF1-613002007C subnet mask 007 SERIES 192.0.4.85 8000 DS6101HF002007072 255 . 255 . 248 . 0 008 SERIES 192.0.7.23 8000 DS2-DF1-6130020070 1P address 009 SERIES 192.0.7.23 8000 DS6104HF002007082 192 . 0 . 7 . 39 011 SERIES 192.0.7.2 8000 DS6102HF040020071 192 . 0 . 7 . 39 012 SERIES 192.0.7.23 8000 DS6102HF040020071 192 . 0 . 7 . 39 013 SERIES 192.0.7.24 8000 DS6102HF040020071 8000 014 SERIES 192.0.3.214 8000 DS2CD852F00200712 90-40-36-35-d3-5b 015 SERIES 192.0.3.214 8000 DS2CD852F00200712 90-40-36-35-d3-5b 018 SERIES 192.0.7.200 8000 DS2CD852F00200712 90-40-36-35-d3-5b 021 SERIES 192.0.7.135 8000 DS2CD852F0020070	005	SERIES	192.0.2.57	8000	DS7204H0120070828	VENSION
007 SERIES 192.0.4.85 8000 DSG101HF002007072 008 SERIES 192.0.1.173 8000 DS2-0F1-6130020070 009 SERIES 192.0.7.23 8000 DSG102HFA002007082 011 SERIES 192.0.7.23 8000 DSG102HFA0020070 012 SERIES 192.0.7.23 8000 DSG102HFA0020071 013 SERIES 192.0.7.243 8000 DSG102HFA0020071 014 SERIES 192.0.7.243 8000 DSG102HFA0020071 015 SERIES 192.0.3.214 8000 DSC102HFA0020071 016 SERIES 192.0.3.214 8000 DS2CD852F0020070 017 SERIES 192.0.3.214 8000 DS2CD852F0020070 018 SERIES 192.0.64 8000 DS2CD852F00200712 019 SERIES 192.0.7.135 8000 DS2CD852F00200712 020 SERIES 192.0.7.135 8000 DS2CD852F00200712 021 SERIES 192.0.7.135 8000 DS2CD852F00200712 022 SERIES 192.0.7.135 <t< td=""><td>006</td><td>SERIES</td><td>192.0.7.202</td><td>8000</td><td>DS2-DF1-6130020070</td><td>subnet mask</td></t<>	006	SERIES	192.0.7.202	8000	DS2-DF1-6130020070	subnet mask
008 SERIES 192.0.1.179 8000 DS2-DF1-6130020070 009 SERIES 192.0.7.23 8000 DS7204H0120070902 010 SERIES 192.0.7.39 8000 DS6104HC00200708 011 SERIES 192.0.7.23 8000 DS6104HC00200708 012 SERIES 192.0.7.23 8000 DS6104HC0020070 013 SERIES 192.0.7.243 8000 DS6102HF-A00200710 014 SERIES 192.0.7.243 8000 DS20-DF1-61300200710 015 SERIES 192.0.3.59 8000 DS20-DF1-61300200710 016 SERIES 192.0.3.214 8000 DS20-DF32F00200712 017 SERIES 192.0.3.211 8000 DS20-DF32F00200712 018 SERIES 192.0.6.4 8000 DS20-DF1-61300200703 020 SERIES 192.0.7.192 8000 DS6104HC00200703 021 SERIES 192.0.7.135 8000 DS20-DF1-6130020071 022 SERIES 192.0.7.135 8000 DS20-DF1-6130020070 023 SERIES 192.0.7.	007	SERIES	192.0.4.85	8000	DS6101HF002007072	255 255 248 0
009 SERIES 192.0.7.23 8000 DS7204H0120070902 011 SERIES 192.0.7.23 8000 DS6102H1002207085 011 SERIES 192.0.4.237 8000 DS6102H10022070 012 SERIES 192.0.7.2 8000 DS6102H10022071 013 SERIES 192.0.7.243 8000 DS6102H10202071 014 SERIES 192.0.3.59 8000 DS5102H102007101 015 SERIES 192.0.3.214 8000 DS2D5852F00200712 016 SERIES 192.0.1.101 8000 DS2D6852F00200707 017 SERIES 192.0.2.11 8000 DS2D6852F00200712 018 SERIES 192.0.7.20 8000 DS6104HC02007032 020 SERIES 192.0.7.108 8000 DS2D6852F0020070 021 SERIES 192.0.7.135 8000 DS2D6852F0020070 022 SERIES 192.0.7.135 8000 DS2D682F0020070 023 SERIES 192.0.7.135 8000 DS2D602F0020070 024 SERIES 192.0.7.135 8000 <td>008</td> <td>SERIES</td> <td>192.0.1.179</td> <td>8000</td> <td>DS2-DF1-6130020070</td> <td></td>	008	SERIES	192.0.1.179	8000	DS2-DF1-6130020070	
010 SERIES 192.0.7.39 8000 DS6104HC00200708 011 SERIES 192.0.4.237 8000 DS6102HF-A0020071 012 SERIES 192.0.7.2 8000 DS6102HF-A0020071 013 SERIES 192.0.7.2 8000 DS6102HF-A00200710 014 SERIES 192.0.7.243 8000 DS6102HF-A00200710 015 SERIES 192.0.3.59 8000 DS20020712 015 SERIES 192.0.3.214 8000 DS2020852F00200712 017 SERIES 192.0.0.64 8000 DS200852F00200712 017 SERIES 192.0.10.64 8000 DS200852F00200712 018 SERIES 192.0.7.200 8000 DS6104HC102007032 020 SERIES 192.0.7.200 8000 DS6104HF002007122 021 SERIES 192.0.7.135 8000 DS200825F0020070 023 SERIES 192.0.7.253 8000 DS20027602071 023 SERIES 192.0.7.135 8000	009	SERIES	192.0.7.23	8000	DS7204H0120070902	IP address
011 SERIES 192.0.4.237 8000 DS6102HF-A0020071 012 SERIES 192.0.7.2 8000 DS6102HF-A0020071 013 SERIES 192.0.7.243 8000 DS6102HF02000710 014 SERIES 192.0.7.243 8000 DS6102HF0200071 015 SERIES 192.0.3.59 8000 DS6101HF.40020071 016 SERIES 192.0.3.214 8000 DS2CD852F00200712 017 SERIES 192.0.3.214 8000 DS2CD852F00200712 018 SERIES 192.0.3.214 8000 DS2CD852F00200702 018 SERIES 192.0.64 8000 DS2CD852F00200712 020 SERIES 192.0.620 8000 DS101HF.4002007032 021 SERIES 192.0.7.135 8000 DS2CD852F00200702 023 SERIES 192.0.7.135 8000 DS2CD852F00200702 024 SERIES 192.0.7.135 8000 DS2CD802PF00200712 025 SERIES 192.0.7.135 8000 DS20F1-6130020071 026 SERIES 192.0.7.135	010	SERIES	192.0.7.39	8000	DS6104HC002007082	192 0 7 39
012 SERIES 192.0.7.2 8000 DS604HC-40020070 013 SERIES 192.0.7.243 8000 DS102HF030200710 014 SERIES 192.0.3.59 8000 DS20F1-61300200710 015 SERIES 192.0.3.214 8000 DS20B52F00200712 017 SERIES 192.0.3.211 8000 DS20B52F00200712 018 SERIES 192.0.0.64 8000 DS20B52F00200712 019 SERIES 192.0.0.64 8000 DS10B40102007122E 020 SERIES 192.0.7.101 8000 DS6104HC00200703 021 SERIES 192.0.7.102 8000 DS10B41012007122E 022 SERIES 192.0.7.135 8000 DS20B52F00200705 024 SERIES 192.0.7.135 8000 DS20B52F00200705 025 SERIES 192.0.7.135 8000 DS20B52F00200705 026 SERIES 192.0.7.135 8000 DS20B52F00200705 027 SERIES 192.0.7.135 8000 DS20B52F00200705 028 SERIES 192.0.7.135 8000 DS20B2F0020070 029 SERIES 192.0.7.155 8000 DS20B2F0020071 029 SERIES 192.0.7.155 8000 DS104HC022007127 ✓ ↓	011	SERIES	192.0.4.237	8000	DS6102HF-A0020071	
013 SERIES 132.01.89 8000 DS6102HF002007101 014 SERIES 132.07.243 8000 DS20F1-6130020071 015 SERIES 132.0.3.59 8000 DS5010HF.40020070 016 SERIES 132.0.3.214 8000 DS20D82500200712 017 SERIES 132.0.3.214 8000 DS20D82500200712 018 SERIES 132.0.3.211 8000 DS20D82500200712 019 SERIES 132.0.1.101 8000 DS20D82500200712 020 SERIES 132.0.7.200 8000 DS6104HC02007032 021 SERIES 132.0.3.57 8000 DS20D82500200705 022 SERIES 132.0.7.132 8000 DS20D825P0020070 023 SERIES 132.0.7.135 8000 DS20D827F0020070 025 SERIES 132.0.7.253 8000 DS20D827F0020071 026 SERIES 132.0.7.155 8000 DS20D827F0020071 027 SERIES 132.0.7.155 8000 DS810HF002007121.7 028 SERIES 132.0.7.155	012	SERIES	192.0.7.2	8000	DS6804HC-A0020070	device port
014 SERIES 192.0.7.243 8000 DS2.0F1-6130020071 015 SERIES 192.0.3.214 8000 DS20D852F00200712 017 SERIES 192.0.3.211 8000 DS20D852F00200707 018 SERIES 192.0.64 8000 DS20D852F00200707 019 SERIES 192.0.620 8000 DS7108H012007122C 020 SERIES 192.0.7.200 8000 DS6104HClo02007032 021 SERIES 192.0.7.200 8000 DS6104HClo0200703 023 SERIES 192.0.7.135 8000 DS20D852F0020071 025 SERIES 192.0.7.135 8000 DS20D852F0020071 025 SERIES 192.0.7.135 8000 DS20D852F0020071 026 SERIES 192.0.7.135 8000 DS20D81-6130020071 027 SERIES 192.0.7.253 8000 DS20D81-6130020071 028 SERIES 192.0.7.155 8000 DS20D82PF002007824 ■ Fesume default password- □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	013	SERIES	192.0.1.89	8000	DS6102HF002007101	lonn
015 SERIES 132.0.3.59 8000 DS6101HF-A0020070 016 SERIES 132.0.3.214 8000 DS2CD852F00200712 017 SERIES 132.0.3.214 8000 DS2CD852F00200712 018 SERIES 132.0.3.214 8000 DS2CD852F00200702 018 SERIES 132.0.3.214 8000 DS2CD852F00200712 019 SERIES 132.0.1.101 8000 DS6104HC002007032 020 SERIES 132.0.7.200 8000 DS6104HC05200705 021 SERIES 132.0.7.192 8000 DS2CD852F00200705 023 SERIES 132.0.7.192 8000 DS2CD852F00200705 024 SERIES 132.0.7.135 8000 DS2CD802PF00200708 025 SERIES 132.0.7.135 8000 DS2CD802PF00200708 026 SERIES 132.0.7.155 8000 DS20F1-6130020071 027 SERIES 132.0.4.98 8000 DS201HF002200708244 028 SERIES 132.0.7.155 8000 DS7104H0120071217 029 SERIES 132.0.7.155<	014	SERIES	192.0.7.243	8000	DS2-DF1-6130020071	0000
016 SERIES 132.0.3.214 8000 DS2CD852F00200712 017 SERIES 132.0.3.211 8000 DS2CD852F00200707 018 SERIES 132.0.0.64 8000 DS2CD852F00200707 019 SERIES 132.0.0.64 8000 DS2CD852F00200707 020 SERIES 132.0.7.200 8000 DS6104HC00200703 021 SERIES 132.0.7.200 8000 DS6104HC00200703 022 SERIES 132.0.7.120 8000 DS6104HC00200703 023 SERIES 132.0.7.135 8000 DS2CD852F0020070 024 SERIES 132.0.7.135 8000 DS2CD82F0020070 025 SERIES 132.0.7.233 8000 DS2CD802PF0020071 026 SERIES 132.0.7.135 8000 DS20D802PF0020070 027 SERIES 132.0.7.135 8000 DS8016HC022007121 028 SERIES 132.0.7.155 8000 DS8016HC022007121 029 SERIES 132.0.7.155 8000 DS7104H0120071217	015	SERIES	192.0.3.59	8000	DS6101HF-A0020070	MAC Address
017 SERIES 192.0.3.211 8000 DS2CD852F00200707 018 SERIES 192.0.0.64 8000 DS2CD852F00200712 019 SERIES 192.0.1.101 8000 DS6104HC002007032 020 SERIES 192.0.7.200 8000 DS6104HC0500200703 023 SERIES 192.0.3.57 8000 DS6104HC050200703 023 SERIES 192.0.3.206 8000 DS2CD852F0020070 024 SERIES 192.0.7.192 8000 DS2CD852F0020071 025 SERIES 192.0.7.135 8000 DS2CD852F0020071 026 SERIES 192.0.7.253 8000 DS2CD852F0020070 027 SERIES 192.0.7.253 8000 DS2CD802PF0020071 028 SERIES 192.0.7.155 8000 DS3016HC022007121 029 SERIES 192.0.7.155 8000 DS3016HC0220071217 ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲	016	SERIES	192.0.3.214	8000	DS2CD852F00200712	00.40.36.35.43.55
018 SERIES 192.0.0.64 8000 DS2CD852F00200712 019 SERIES 192.0.1.101 8000 DS104HC002007032 020 SERIES 192.0.6.20 8000 DS7108H0120071226 021 SERIES 192.0.7.200 8000 DS6104HC0500007093 023 SERIES 192.0.3.57 8000 DS2CD852F002007093 024 SERIES 192.0.7.132 8000 DS2CD852F00200701 025 SERIES 192.0.7.135 8000 DS2CD810HF00200711 025 SERIES 192.0.7.135 8000 DS2CD810HF00200711 026 SERIES 192.0.7.135 8000 DS2CD802PF0020070 027 SERIES 192.0.7.155 8000 DS2D810HC02200708244 U28 SERIES 192.0.7.155 8000 DS300 NVEC0402200708244 U29 SERIES 192.0.7.155 8000 DS310HC0220071217 ↓ L L L L L L L L L L L L L L L L L L L	017	SERIES	192.0.3.211	8000	DS2CD852F00200707	00-40-30-33-03-30
019 SERIES 192.0.1.101 8000 DS6104HC002007032_ 020 SERIES 192.0.6.220 8000 DS7108H012007132E 021 SERIES 192.0.7.200 8000 DS6104HC02200703_ 022 SERIES 192.0.3.57 8000 DS6104HC02200709_ 023 SERIES 192.0.7.192 8000 DS20D652F00200705 024 SERIES 192.0.7.135 8000 DS20D6714HE00200709_ 025 SERIES 192.0.7.253 8000 DS20D802PF0020070 026 SERIES 192.0.7.135 8000 DS20104HE002200708244 027 SERIES 192.0.7.135 8000 DS201082PF002200708244 028 SERIES 192.0.7.155 8000 DS2010420071217 029 SERIES 192.0.7.155 8000 DS7104H0120071217	018	SERIES	192.0.0.64	8000	DS2CD852F00200712	
020 SERIES 192.0.6.220 8000 DS7108H012007122E 021 SERIES 192.0.7.200 8000 DS6104HC1-SD00202 022 SERIES 192.0.3.57 8000 DS6104HC1-SD0200709 023 SERIES 192.0.3.206 8000 DS2CD852F00200705 024 SERIES 192.0.7.132 8000 DS2CD822F00200705 025 SERIES 192.0.7.135 8000 DS2CD802PF0020070 025 SERIES 192.0.7.253 8000 DS2CD802PF0020070 026 SERIES 192.0.7.253 8000 DS2CD802PF0020070 027 SERIES 192.0.7.155 8000 DS8106HC022007121 028 SERIES 192.0.7.155 8000 DS7104H0120071217 029 SERIES 192.0.7.155 8000 DS7104H0120071217	019	SERIES	192.0.1.101	8000	DS6104HC002007032	piease iripat password
021 SERIES 192.0.7.200 8000 DS6104HCI-SD00200 022 SERIES 192.0.3.57 8000 DS6104HCO02007093 023 SERIES 192.0.7.192 8000 DS2CD852F0020705 024 SERIES 192.0.7.135 8000 DS6101HF00200711 025 SERIES 192.0.7.253 8000 DS2CD802PF002007(027 SERIES 192.0.7.253 8000 NVEC0402200708244 028 SERIES 192.0.7.155 8000 DS816HC0220071217 ↓ ↓ Let the state of the st	020	SERIES	192.0.6.220	8000	DS7108H012007122E	
022 SERIES 192.0.3.57 8000 DS6104HC002007095 023 SERIES 192.0.3.206 8000 DS2CD852F002007095 024 SERIES 192.0.7.132 8000 DS2.DF1-6130020071 025 SERIES 192.0.7.135 8000 DS2DF1-6130020071 026 SERIES 192.0.7.253 8000 DS2CD802PF00200708244 027 SERIES 192.0.7.155 8000 DS20D7120708244 028 SERIES 192.0.7.155 8000 DS810HC02200708244 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	021	SERIES	192.0.7.200	8000	DS6104HCI-SD00200	
023 SERIES 192.0.3.206 8000 DS2CD852F00200705 024 SERIES 192.0.7.192 8000 DS2-DF1-6130020071 025 SERIES 192.0.7.135 8000 DS2D00207111 026 SERIES 192.0.7.253 8000 DS2CD802PF0020071 027 SERIES 192.0.7.253 8000 DS2CD802PF0020071 028 SERIES 192.0.7.155 8000 DS8016HC0220071217 029 SERIES 192.0.7.155 8000 DS7104H0120071217	022	SERIES	192.0.3.57	8000	DS6104HC002007093	modify cancel save
024 SERIES 192.0.7.192 8000 DS2.0F1-613002071 025 SERIES 192.0.7.135 8000 DS6101HF002007111 026 SERIES 192.168.6.29 8000 DS2D802PF002007(027 SERIES 192.0.7.253 8000 NVEC0402200708244 028 SERIES 192.0.7.155 8000 DS8016HC0220071217 ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲	023	SERIES	192.0.3.206	8000	DS2CD852F00200705	
025 SERIES 192.07.135 8000 DS6101HF002007111 026 SERIES 192.168.6.29 8000 DS2CD802PF0020071 027 SERIES 192.07.253 8000 NVEC0402200708244 028 SERIES 192.07.155 8000 DS8016HC022007121 029 SERIES 192.07.155 8000 DS7104H0120071217	024	SERIES	192.0.7.192	8000	DS2-DF1-6130020071	
026 SERIES 192.07.253 8000 DS2CD802PF002007(027 SERIES 192.07.253 8000 NVEC0402200708244 028 SERIES 192.0.7.155 8000 DS8016HC022007121 ↓	025	SERIES	192.0.7.135	8000	DS6101HF002007111	-Besume default password-
027 SERIES 192.0.7.253 8000 NVEC0402200708244 028 SERIES 192.0.4.98 8000 DS8016HC022007121 ↓	026	SERIES	192.168.6.29	8000	DS2CD802PF002007(
028 SERIES 192.0.4.98 8000 DS8016HC022007121 029 SERIES 192.0.7.155 8000 DS7104H0120071217 ▲ Exit	027	SERIES	192.0.7.253	8000	NVEC0402200708244	ОК
U29 SERIES 192.0.7.155 8000 DS7104H0120071217	028	SERIES	192.0.4.98	8000	DS8016HC022007121	
Exit	029	SERIES	192.0.7.155	8000	DS7104H0120071217	
Exit						1
						Exit

Fig.3-4-1 Search IP Tool

Input the Password (default password12345), and click "modify", then you can modify the device's IP address, port and subnet mask. The following fig. gives illustration:

SADP					<u>×</u>
	Device type	IP address	Port number	Device Serial No.	Device Seriel Number
017	SERIES	192.0.3.57	8000	DS6104HC002007093	Device Serial Number
018	SERIES	192.0.7.51	8000	DS7204H0120071130	DS2CD852F0020070925AAWR.
019	SERIES	192.0.1.179	8000	DS2-DF1-6130020070	version
020	SERIES	192.0.6.220	8000	DS7108H012007122E	VERSION
021	SERIES	192.168.6.29	8000	DS2CD802PF002007(VERSION
022	SERIES	192.0.7.243	8000	DS2-DF1-6130020071	subnet mask
023	SERIES	192.0.7.155	8000	DS7104H0120071217	255 255 248 0
024	SERIES	192.0.7.81	8000	DS2CD802PF002007*	200 . 200 . 240 . 0
025	SERIES	192.0.3.214	8000	DS2CD852F00200712	IP address
026	SERIES	192.0.7.44	8000	DS2-DF1-6130020071	192 0 2 232
027	SERIES	192.0.7.192	8000	DS2-DF1-6130020071	102 . 0 . 2 . 202
028	SERIES	192.0.2.57	8000	DS7204H0120070828	device port
029	SERIES	192.0.0.64	8000	DS2CD852F00200712	
031	SERIES	192.0.7.253	8000	NVEC0402200708244	8000
033	SERIES	192.0.7.244	8000	DS2-DF1-6130020071	MAC Address
034	SERIES	192.0.4.98	8000	DS8016HC022007121	
036	SERIES	192.0.3.58	8000	DS6104HC-A0020070	00-40-31-D1-06-6d
037	SERIES	192.0.6.208	8000	DS6104HC-A0020070	
038	SERIES	192.0.7.45	8000	DS7108HI012007111:	
043	SERIES	192.0.2.232	8000	DS2CD852F00200705	
047	SERIES	192.0.6.252	8000	DS6001HC002007121	
050	SERIES	192.0.1.30	8000	DS8002AHL02200711	modify cancel save
053	SERIES	192.0.7.32	8000	DS6101HF002007111	
060	SERIES	192.0.7.2	8000	DS6804HC-A0020070	
061	SERIES	192.0.4.68	8000	DS8016HF-S0220071	Resume default pressured
063	SERIES	192.0.0.64	8000	DS8016HF-S0220071	-nesume derauit password-
065	SERIES	192.0.7.33	8000	DS6101HC002007100	пк
066	SERIES	192.0.0.64	8000	DS8008HC-S0220070	
067	SERIES	192.0.1.99	8000	DS8016HF-S0220070	
				Þ	
					Exit
update	e device,modify (device successfully!			
					·

Fig.3-4-2 Modify Device Information

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3.5 IP Camera Access WAN

IP camera supports WAN access based on PPPoE dial up function..

3.5.1 Dial up with PPPoE

Make sure that the user name and password of PPPoE are set correctly by the client software (refer to "User Manual of Network Digital Surveillance Software") as Fig.3-5-1. The camera will try to establish connection to the network with PPPoE function automatically every time when it is powered on, and get a dynamic IP address by then.

	Login	Preview	Configure	Playback	User	Мар	Hide	Exit	
1 hikvision	E 1 hikuision	Server	configuration 4	R Channel configura	tion 🖾 COM	configuration	Alarm configuration	<u>&</u> Us • [•]	
🛤 Channel01	Thermon	- Server Cr	nfiguration Inform	ation	17	- 1-	-		16:31
		Server	name	network camera	Cv	cle record	YES		2007 - 07
		Device	ID	88	—	able scaler	0#		4
		Channe	Loumber	1	— — —)D number	0		19 <mark>1</mark> 5
		álarm in	out number	4		arm output number	2		
		Carvar I		4 [n//c		ann output number	JZ		JH J
		Serial n	imber	DS6101HEJP00200	0519BCCH004	0000555/011			-
		- Network I	Configuration Info	mation	001000011004	0000034700			
		NIC typ	e e e e e e e e e e e e e e e e e e e	10M/100M auto	• M/	AC address	00:40:30:7c:c4:0	7	
		IP addre	155	192.0.0.	 5 Po	ort	8000		
		Subnet	mask	255 . 255 . 248 .	0 Ga	ateway	0.0.0	. 0	
		DNS bo	st IP	192.0.1.	13 MI	ulticast IP	0.0.0	. 0	
		Bemote	host IP	192.0.1	13 Br	emote host port	7200		(m
		PPPOE		0n	→ PF	PoEIP	0.0.0		(F)
		PPROE	user	hikvision		PoE password	******	$ \rightarrow $	
		NAS ho	st IP	0.0.0.	0 N/	AS directory		_	()
		HTTP	ort	80	_		1		
		- Conver Ma	erian Information						
		Firmwar	e version	V2 0 build 070427	— н	ardware version	0.0		
		Encode	version	V4.0 build 070411		ont panel version			
		Encode	Totalon	14.6 Baild Or 0411		Sin paner version	lo		R
		Restore	Reboot	1				Confirm	
Crown	1						-		

Fig. 3-5-1 Dial Up with PPPoE

[Notice] Please make sure that the ADSL Modem is powered on .The camera needs to be restarted to establish the network connection after the configuration of PPPoE parameters for the first time. And DS-2CD852F do not support this function.



3.5.2 WAN Access

There are two methods to get the access, which are shown as below.

1. Get a static IP from your ISP for WAN access.

You can open some ports (such as 80 & 8000 ports) in the router which has got static IP from the ISP, and then connect them to the router. After that you can use the client software to control it. Turn to ch3.2 to find the client software operations.

2. Use DNS service for WAN access.

- You will need a PC connected to Internet with static IP that owns software providing DNS service at the same time(such as IP Server)(the PC is so-called DNS server).You can also register a domain name through the DNS service dealer and visit it with the domain name.
- When network camera is connected to WAN with PPPoE, it will get an IP address, and send its name and the IP to the DNS server. The client software will immediately connect to the PC that used as the DNS server to tell it which network camera is waiting for access. Then the server will search for all the registered network cameras, and match the camera with this IP. When the IP address is returned, the client software will connect to the network camera to get the video.

Operations: Run the client software 4.01, select "Configure" \rightarrow "Server Configuration" select network camera.

In the right tree, input "Server Name" & "DNS Host IP" in the "Server Configuration" box as Fig 4.1, and click "Confirm". Select "Configure"-> "Device Management", double click the network camera name you just added, the "server attribute" message box will pop up as Fig. 3-5-2. Make sure that the "sever name" is consist with the sever name in "remote config"; and select "private DNS" in "register mode"; then input the IP address of DNS server in "DNS address", click "Confirm". Then you can preview the picture in the "preview" menu.



Network Video	Software	
	Login Preview Configure Playback User Map Hide Exit	
□ ③ 1 □ → hikvision └ @# Channel01	This ion This ion This ion The second se	3월 : 백골 : 백백 2007 - 07 - 16 1
	Server Properties Server Properties Configuration Server name: hikvision Server IVpe: HC Register Private Domain User name: admin Post: 8000 Channel 1 Multicast IP: 0 0 0	
	Serial number:	
List Group	Play Record Capture	0000

Fig.3-5-2 DNS Server

3.6Wireless IP Camera Access

[Notice] The following message only introduces the –W series wireless IP camera. Take the IE Browser Access for example.

Before configure parameters of the wireless IP camera, you should set the wireless router. The following example is TP-LINK. Firstly configure the "network parameter" of the "LAN setting" and "WAN setting" in the wireless router's management page. Enter the "Wireless Parameter", and set the "SSID NO.", "Frequency band" and "Mode". User can input any letter and number in the "SSID NO." ; "Frequency Band" is selected according to the on-the-spot environment, and usually we recommend 6 frequency band; Select the "54Mbps(802.11g)". Select the "Enable Wireless Function" and "Allow SSID Broadcast".

User can select "Enable Security Function" according to the on-the-spot environment. You can select the "Security Type", "Security Option", "Key Mode Option" and "Key Content". Please refer to the introduction of the wireless router to get the detailed configuration. As shown:



" TP-LIN	K 108M Wireless F	louter with eXtended Range [™] and Super [™]	I1G [™]	
108M Wireless Router Model No.: TL-WR641G / TL-WR642G	Router Status		<u>^</u>	Router Status Help The Status page displays the router's current status and configuration All information is read-only
Status Quick Setup Basic Settings	Firmware Version: Hardware Version:	2.11.2 Build 060420 Rel.53897n WR641Gl642G v2 00000000		LAN: The following is the information of LAN, as set on the Network > LAN page.
+ Network + Wireless Advanced Settings + DHCP	LAN MAC Address:	00-14-78-6A-DB-0C		 MAC Address - The physical address of the router, as seen from the LAN. IP Address - The LAN IP address of the router. Subnet Mask - The subnet mask associated with LAN IP
Forwarding Security Static Routing Dynamic DNS	IP Address: Subnet Mask:	192.158.10.1 255.255.255.0		address. Wireless: These are the current settings or information for Wireless, as set on the Wireless -> Wireless Settings page.
Maintenance + System Tools	Wireless Wireless Radio: Name (SSID):	Enabled TP	_	Wireless Radio - Indicates whether the wireless radio feature of the router is enabled or disabled. SSID - SSID of the router. Channel - The current channel in use.
	Channel: Mode: MAC Address:	6 54Mbps (802.11g) 00-14-78-64-DB-0C		 Mode - Indicates the current mode (108Mbps (Dynamic), 108Mbps (Static), 54Mbps (802.11g), 11Mbps (802.11b)). If displayed 108Mbps (Dynamic), it is compatible with 54Mbps (802.11g) and 11Mbps (802.11b). If displayed 54Mbps (802.11g) it is compatible with 11Mbps (802.11b).
	IP Address:	192.168.10.1		 MAC Address - The physical address of the router, as seen from the Wireless LAN. IP Address - Wireless LAN IP address of the router.
	MAC. Address:	00-14-78-6A-DR-0D	v	WAN: The following parameters apply to the WAN (internet) port of the router. You can configure them on the Network \Rightarrow WAN page

Fig.3-6-1 Router wireless parameter configuration

There are two network cards in the wireless IP camera: cable network card and wireless network card. The default IP of the cable network card is 192.0.0.64 with 8000 as the default port, admin as the administrator, and 12345 as the password. The wireless network card's default IP is 192.168.1.64.

User should configure the parameters of the wireless network card through the cable network interface. The way of visiting is the same as the chapter 3.2. Enter the menu as "Fig. 3-2-2 preview page" shows, then click the "Config" option, enter the interface as following:



Server configuration	Schannel configuration	😇 COM configuration 🚑	Alarm configuration 8 Use
erver Configuration Inf	ormation		
Server name	WIFI	Cycle record	YES 💌
Device ID	88	Enable scaler	Off
Channel number	1	HDD number	0
Alarm input number	1	Alarm output number	1
Server type	IPCAM 💌		
Serial number	DS2CD812PF-W002008011	5AAWR260020770WCU	
etwork Configuration I	nformation		
NIC type	10M/100M auto 💌	MAC address	00:40:3f:bf:54:f2
IP address	192.0.1.11	Port	8000
Subnet mask	255 . 255 . 248 . 0	Gateway	0.0.0.0
DNS host IP	0.0.0.0	Multicast IP	0.0.0.0
Remote host IP	0.0.0.0	Remote host port	0
PPPoE	Off	PPPoE IP	0.0.0.0
PPPoE user		PPPoE password	
NAS host IP	0.0.0.0	NAS directory	
HTTP port	80	WIFI Configuration	
erver Version Informati	ion		
Firmware version	V2.0 build 080407	Hardware version	0x0
Encode version	V4.0 build 071128	Front panel version	0

Fig.3-6-2 Remote Configure parameter

In channel configuration, you can click WIFI configuration button to set WIFI parameter of wireless camera. SSID should be same as the wireless router. If your wireless router has a security code, please enable network key and type into the code.

Net configuration in the picture is the wireless NIC IP address, please set it and pay attention that wireless IP address and IP camera wired IP address should be in different segment.



Chapter 4 Menu Introduction

4.1 Menu Tree Illustration



Fig. 4-4-1 Menu Tree

Trough pressing the "menu" button three seconds or double clicking the 95th pre-set, User will enter the menu. Move the cursor to the menu you want to select by the "UP" and "DOWN" direction button, and press the "IRIS+", User will enable the function. IF the current menu has submenu, you will enter the submenu through the above mentioned operation. You can also enable the function and enter the submenu using "IRIS+" in the client software or IE browser. Fig.4-4-1 shows all menu item.



4.2 Main Menu Function Introduction

4.2.1 Motion

This camera possesses automatic scan, random scan, frame scan, preset, patrol and pattern and so on. Select one mode, quit the menu, if the camera don't receive the control signal within set up automatic waiting time, it will run in accordance with the selected motion mode.

4.2.2 Preset

Set up the presets which consist of patrol path and contain preset name and lens azimuth.

4.2.3 Patrol Scan

The emphasis is setting up the patrol path. Then, user can select the set up patrol path in the motion mode.

4.2.4 Defense

This function is linked client software's alarm parameter. User can enable the deployment and the linkage mode.

4.2.5 Privacy Protect

When exit the menu and press the "Privacy Protect" on the remote control, user can't see the camera video through the client or the IE browser. Press the button again to unchain the protection.

[Notice] This function can be realized only through the remote control. If you select the video upload or the alarm upload "on", even if enable the "Privacy Protect", you can also see the popped out video when the camera receives the alarm signal.



4.2.6 Alarm setting

User can set "Alarm Contact", "Alarm Switch Time", "Alarm Priority" and response action and so on. "Alarm Action" has the "Auto Scan", "Frame Scan", "Random Scan", "Patrol path" and so on optional item.

4.2.7 Clear

Clear the information of preset, patrol scan and other settings.

4.28 Password

[Notice] The function is reserved currently.



APPENDIX 1 PIN DEFINITION

(1)UTP between the network port of camera and HUB (Direct Cable)



(2)UTP between the network port of camera and PC (Cross Cable):





APPENDIX 2 PORT MAP

[Notice] The following setting is about TP-LINK router (TL-R410), which is maybe distinct from

other router's setting.

1. Firstly, select the router's WAN connection Type. As the following Fig. shows:

108M Wireless Router Model No.: TL-WR641G / TL-WR642G	WAN	
 Status Quick Setup Basic Settings Network LAN WAN MAC Clone 	WAN Connection Type: User Name: Password:	PPPoE ✓ Dynamic IP Static IP PPPoE 802.1X + Dynamic IP 802.1X + Static IP BigPond Cable L2TP

2. Set the "network parameter" of the router as the below figure. The setting includes subnet mask and gateway.

108M Wireless Router Model No.: TL-WR641G / TL-WR642G	LAN	
 Status Quick Setup Basic Settings Network I AN 	MAC Address: IP Address: Subnet Mask:	00-14-78-6A-DB-0C 192.168.10.1 255.255.255.0
WAN MAC Clone		Save

3. Set the port map in the virtual severs of Forwarding. The following figure gives the illustration. One camera's ports are 80 and 8000, and its IP address is 192.168.1.23. The other camera's ports are 81 and 8001, and IP is 192.168.1.24. Afterwards, enable all or TCP protocols. Enable the port map after pressing the 'Save'.



108M Wireless Router Model No.: TL-WR641G / TL-WR642G	Virtu	al Servers	5		
Status	ID	Service Port	IP Address	Protocol	Enable
Quick Setup	1	80	192.168.10 . 23	ALL 🗸	~
Basic Settings + Network	2	8000	192.168.10. 23	ALL 🔽	~
+ Wireless	3	81	192.168.10. 24	ALL 🔽	~
+ DHCP	4	8001	192.168.10. 24	ALL 🔽	~
- Forwarding	5		192.168.10.	ALL 🔽	
Port Triggering	6		192.168.10.	ALL 🗸	
DMZ IIDnD	7		192.168.10.	ALL 🗸	
+ Security	8		192.168.10.	ALL 🗸	
Static Routing Dynamic DNS Maintenance System Tools	Common	Service Port:	DNS(53)	opy to ID 1	~
			Previous Next	Clear All S	ave

As the above mentioned setting, we map the router's port 80 and 8000 to the network camera 192.168.1.23; and port 81 and 8001 to the network camera 192.168.1.24. In this way, user can visit the 192.168.1.23 through visiting the router's port 80 and 8000.

[Notice] The port of the network camera cannot conflict with other ports. For example, some router's web management port is 80. User can amend the router's or the camera's port to solve this problem.

APPENDIX 3 TECHNOLOGY SPECIFICATION

Parameter Model	DS-2CD726F-PT	DS-2CD727PF-PT		
Camera				
Image Sensor	1/4 inch CMOS	1/4 inch SONY Super HAD CCD		
Effective Pixel	640((H)×480(V)		
Lens mount	M12×0.5			
Lens		3.6mm		
Min. Illumination	0.4Lux/F1.2	0.4Lux@F1.2(0 LUX with IR)		
Infrared Function		Support		
Video Output	Test Monitor OUT 1Vp-p Composite Output(75Ω/BNC)			
Compression standard				
Video Compression		H.264		



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Video Output	32 K~2M, adjustable (8Mbps maximum)
Audio Compression	OggVorbis
Image	
Image Resolution	704x576,640x480,528x384,704x288,352x288,176x144
Frame Rate	25fps (704×576)
Function	
Pan and Tilt Range	Pan:0-180°; Tilt: 0-90°
Horizontal Speed	0.3~20°/ s (adjustable)
Vertical Speed	0.3~20°/ s (adjustable)
Pan and Tilt Preset Speed	20°/ s
RS-485 Protocols	HIKVISION, PELCO-P/D , Self-adaptive (addible)
Scan Mode	Cameras controlled by the client software or remote control can scan≤170°range
Number of Preset	200
Privacy Protection	Only Display on the Monitor
Menu Language	Chinese and English, maximal 16 characters
Mouse Control	Support Mouse Drag while select HIKVISION protocol in Client Software
Motion Detect	Support
Dual Stream	Support
SD Card Local Recording	Support
Heartbeat	Support
Password Protection	Support
Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	
Voice Input	2channels, 1 channel 3.5mm audio interface (2.0~2.4Vp-p, 1kΩ) and MIC internal channel
Voice Output	1 channel 3.5mm audio interface (600Ω)
Communication	1 RJ45 10M / 100M self-adaptive Ethernet port , 1 RS-485 interface (802.11g WLAN
Communication	option)
Alarm Input	2 channels signal input
Alarm Output	1 channel signal relay output
Others	
Working Temperature	-10°C~60°C
Power Supply	12V DC, ±10%
Power Consumption	9W MAX
Dimension(mm)	Φ125.2 × 136.5
Weight	450g