Network WIFI IP Camera and DVR

Quick User Guide

(Version 3.0.4)



Note: This manual may have not described the technical details correctly and even have some printing mistakes. If you have some problems when using this user guider, please contact our customer service department. And relevant operations in this manual will update regularly without prior notice.

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1. Video encoder Technical parameters

Video standard	PAL, NTSC
Image compression	H.264
Encode rate	16 kbps -16Mbps
Local functions	Video recording and picture capture
Mobile function	Support 3G, and real-time surveillance
Network functions	IE Brower, configuration, update
Network methods	Support DNS, LAN, WAN
Equipment interfaces	Series transmission and alarm interface
Encode mode	Support double encode stream

2. Product appearance & structure

2.1 Connections Diagram



- 1. LAN Connection (for WIFI initial setup using PC)
- 2. DVR Switch ON/OFF

3. Hardware Installation

3.1 external equipment connections

- **Step 1:** Connect the Power into the unit.
- Step 2: Connect the unit on to the Router or Hub and make sure is on the same network as your PC.
- **Step 3:** See the picture below for your reference.



Please note that at this moment, the video server is running with its default setting with IP address: **192.168.1.100** Sub mask: **255.255.255.0** Gateway: **192.168.1.1**

Note: If users have forgotten the password and net parameters accidentally, press the 'RST' button under the left for 5 seconds after start the equipment, the indicator light of RUN will disappear and all the parameters restore to default immediately.

4. System Requirements

4.1 Operating System

32-bit/64-bit Simplified Chinese/English Windows 2000, Windows 2003, Windows XP/Vista and Windows 7

4.2 Minimum Configuration of Hardware Environment

CPU: Pentium 2.0Ghz Memory: 256 MB Display Card: TNT2 Sound Card: Necessary for voice monitoring and two-way intercom 40G Hard Disk: Shall be not less than 40G if the video recording is necessary

4.3 Recommended Configuration of Hardware Environment

CPU: Intel Core2 Duo E7400 2.8G Memory: 2G Display Card: NVIDIA GeForce 9600GSO Hard Disk: SATA Hard Disk, 8M or above cache memory, 2000G

4.4 Software Environment Configuration

IE 6.0 or above DirectX9.0 or above TCP / IP Internet Protocol

5. NVClient Software

5.1 Installation Options

Place the CD supplied with the network camera or network video server in the CD-ROM driver and find the installation file of center management software and then copy the installation file to your personal computer. Double click the installation file to start setup. After completion of installation of this software, you can find the **NVClient** software under ["Digital Video Management Center" under "All Programs" under "Start"] menu, and you can directly double click the "**NVClient**" to run the main program.

You can also contact your local technical support department or Access our website to download this software.

5.2 Software Installation

Select and double click the installation program file of the center management software. The dialog box as below will appear.



Figure (1) Click [Next] following the prompt until the [Finish] button appears.

Click the **[**Finish**]** button to **[**Finish**]** installation.

5.3 Software Removal

There are two methods to delete the center management software:

- ➤ In the Start menu, select "Programs" → "Digital Video Management Center" → "Uninstall" to conduction the uninstallation of this software.
- Open the "Add or Remove Programs" of "Control Panel", and then select the "NVClient" option in the program list to delete it.

The dialogue box of deletion is as below:

InstallShield Vizard	
Welcome Modify, repair, or remove the program.	
Welcome to the NVClient Setup Maintenance program. This program lets you modify current installation. Click one of the options below.	the
Select new program components to add or select currently installed components to remove.	
 Repair Reinstall all program components installed by the previous setup. 	
Remove all installed components. InstallShield	
< <u>B</u> ack <u>N</u> ext >	Cancel

Figure (2)

5.4 Software Login

When you run this software for the first time, the dialog box as below will appear. You need to register a user for administrator (The password must be at least 6 digits long).

Register Administrator	×
Register a user for adr	min.
User Name:	
Password:	
Re Input:	
	Ok Cancel

Figure (3)



And then when you double click the center management software icon WClient, the login

dialog box of center management software as below will pop up.

Login		×
?	Username:]
	Save ID And Password	1
	Login Cancel	

Figure (4)

[User Name] : Input the registered user name.

Password : Input the registered password.

[Remember Password]: When this box is checked, the system will automatically login the

center management software screen when you enter this management software next time.

6. Introduction to Main Interface

A single screen of main interface of this center management software can display up to 64 ways of images, and you can manually switch between screens as required or set the automatic switching to patrol all connected channels.



Alarm Info Cycle Switch Group Switch Local Setup Remote Setup Playback Lock/Unlock

Figure (6)

This area includes the following options:

[Alarm Info] Click this button to view the detailed information of video alarm

[Cycle Switch] Click this button to enter the screen cyclic switching status

[Group Switch] Click this button to manually conduct the video switch on group.

For detailed settings, please see the section Video Switch On Group on 7.0.

[Local Setup] This item totally includes [General Settings], [Local Image View], [Group Switch], [Time Video Recording Settings], [Services], [Log View], [Advanced Settings],

[Digital Matrix] and [Virtual Matrix]

For detailed information, please the section Local Setup on 7.0.

[Remote Setup] This item is mainly intended for the settings of front-end video encoder and decoder

[Playback] Support online playback of the video recording files

For detailed information, please the section File Playback Setup on 7.0.

[Lock/Unlock] After this button is clicked, the system will enter into a status where the user is required to input the User Name and Password and he can not operate any function. The user can only normally operation this center management software after the system is unlocked.

6.2 Device Management List Area



Figure (7)

This area is used for centralized management and control of front-end video encoding and decoding devices.

For details, please see the section Device Management List Area Setup of Chapter V.



6.3 Channel Status Area

Click on this button to display the status of the video codec connected to this center management software. For details, please see the figure below.

Record						
Server Name	IP/DNS	Port	Channel	Record Status	Alarm Status	
	192.168.168.189	8200	1		Alarming	
192.168.168.121	192.168.168.121	9000	1			
9192.168.168.121	192.168.168.121	9000	2			
9192.168.168.121	192.168.168.121	9000	3			
9192.168.168.121	192.168.168.121	9000	4			
9192.168.168.121	192.168.168.121	9000	5			
9192.168.168.121	192.168.168.121	9000	6			
9192.168.168.121	192.168.168.121	9000	7			
9192.168.168.121	192.168.168.121	9000	8			
🔵 37 DVR12	172.16.88.12	9000	2	Recording		
🔵 37 DVR12	172.16.88.12	9000	1	Recording		
🔵 37 DVR12	172.16.88.12	9000	3	Recording		
🔵 37 DVR12	172.16.88.12	9000	4	Recording		
🔵 37 DVR12	172.16.88.12	9000	5	Recording		
🔵 37 DVR12	172.16.88.12	9000	6	Recording		
🔵 37 DVR12	172.16.88.12	9000	7	Recording		
🔵 37 DVR12	172.16.88.12	9000	8	Recording		
<					>	
✓ Keep Recording Channel All Ways Online Rebrush Close						

Figure (8)

6.4 Snapshot Area

Click this button to take snapshot. The picture will be saved in a specified directory of the computer.



0

On and Off.

6.6 Audio Interaction Area

Click this button to set the voice intercom function.

For details, please see the section Voice Intercom Setup on 7.0.

6.7 Screen Display Switch



Figure (9)

Yon can select to switch between 1/4/9/16/25/36 screens in this area (If you want to display other screens than the options mentioned hereinabove, please right click the preview screen, and then select **[Screen Display]** to display 6, 10, 24, 49 and 64 screens).

6.8 Cradle Head Control Area



Figure (10)

Function Description: This area is mainly intended for control of front-end cradle head, such as cradle head movement, preset position setup, focus, zoom, iris, wiper and auxiliary lighting.

For details, please see the section Cradle Head Control Setup on 7.0

6.9 Date Display Area

This area displays the current time and date of the system.

2010-11-19 11:36:13

6.10 Image Display Window Area

Function Description: Real-time display of front-end video images and client settings.



Figure (11)

For details, please see the section Image Display Window Area Setup on 7.0

7. Details for Function Settings

7.1 System Setup Area

This item includes the function modules [Alarm Info], [Cyclic Switch], [Group Switch], [Local Setup], [Remote Setup], [Playback] and [Lock/Unlock].

7.1.1 Local Setup

This item includes [Common Setup], [Local Picture View], [Video Switch On Group], [On Time Record], [Service], [Local Log View], [Stream Matrix] and [Virtual Matrix]. 7.1.1.1 Common Setup

Local Log View Setup Ex Stream Matrix Vitual Matrix Common Setup Local Picture View Video Switch On Group On Time Record Service Local Record Disk: Image: Common Setup User And Password Local User(I): User And Password Disk % Free Free Total Image: Common Setup Local User(I): User And Password Disk % Free Free Total Image: Common Setup Local User(I): User And Password Disk % Free Free Total Image: Common Setup Local User(I): User And Password Image: Common Setup Disk 245742 59M 29983 52M Image: Common Setup Disk User And Password Image: Common Setup Set 711% 24516.80M 30004.18M Image: Common Setup Disk Image: Common Setup Im	.ocal Setup							
Common Setup Local Picture View Video Switch On Group On Time Record Service Local Record Disk:	Local Log \	/iew	Se	tup Ex	Stream Mat	rix	Virtua	al Matrix
User And Password User And Password Disk % Free Total Local User(L): Image 0.1 81.71% 24642.53M 29989.52M Image Description Image Image <t< td=""><td>Common Setup</td><td>Loca</td><td>I Picture View</td><td>v Video</td><td>Switch On Group</td><td>On Time R</td><td>ecord</td><td>Service</td></t<>	Common Setup	Loca	I Picture View	v Video	Switch On Group	On Time R	ecord	Service
Disk % Free Free Total C\ 82.17% 24642.59M 29989.52M D:\ 81.71% 24516.80M 30004.18M P = K\ 6.96% 2087.11M 29989.52M guest P = K\ 4.12% 2062.66M 50006.98M guest Operator P = K\ 4.12% 2062.66M 50006.98M Image To change the password for champe the password for champe the password. P = H:\ 2.16% 2158.09M 99381.72M Image To change the password for champe the password. P = I:\ 24.74% T4211.03M Soudou 2.86M Image Environment Server Manage Set Password/Pic Set Password Set Password Server Name IP/DNS Port Device Type Pass 192.168.168 192.168.168.12 9000 ADP-37DVR Enable Auto Reconnect 192.168.168 192.168.168.14 8200 ADP-37DVR Image Image 192.168.168 192.168.168.14 8200 ADP-37DVR Image Image 192.168.168.	Local Record Disk				ſ	User And Passv	vord	
□ C:\ 82.17% 24642.59M 29989.52M □ D:\ 81.71% 24516.80M 30004.18M ♥ E:\ 6.96% 2087.11M 29989.52M □ ♥ E:\ 4.12% 2062.66M 50006.98M □ ♥ E:\ 2.04% 2039.02M 100006.16M □ ♥ E:\ 2.04% 2039.02M 100006.16M □ ♥ E:\ 2.474% 74211.03M 300002.86M ▼ ♥ Enable Snapshot 600 [5-600]Second/Pic Set Password[P] Server Manage [9000 AOP-37DVR Password] © 192.168.168 192.168.168.12 9000 AOP-37DVR Password] © 192.168.168 192.168.168.14 8200 NetVideo Server Enable Sound Alarm 10 s 192.168.168 192.168.168.14 8200 AOP-37DVR © Enable Auto Logon Client 192.168.168 192.168.168.14 8200 AOP-37DVR © Enable Auto Logon Client 192.168.168 192.168.168.14 8200 ADP-37DVR © MaxTime 0	Disk	%Free	Free	Total	~	Local User(<u>U)</u> :		
□ D:\ 81.71% 24516.80M 30004.18M ♥ ■ E:\ 6.96% 2087.11M 29989.52M ■ ♥ ■ F:\ 4.12% 2062.66M 50006.98M ■ ♥ ■ F:\ 4.12% 2062.66M 50006.98M ■ ♥ ■ G:\ 2.04% 2039.02M 100006.16M ■ ♥ ■ H:\ 2.16% 2158.09M 99981.72M ■ ♥ ■ I:\ 24.74% 74211.03M 300002.86M ■ ♥ ■ I:\ 21.68.168.12 9000 AOP-37DVR ■ I'92.168.168 192.168.168.12 9000 AOP-37DVR ■ I'92.168.168 192.168.168.14 8200 AOP-37DVR ■ ■ I'92.168.168 192.168.168.14 8200 AOP-37DVR ■ ■ ■ ■	C:V 🖸 🗌	82.17%	24642.59M	29989.52M		UserName	Power	
Image Environment Image	📃 🖃 D:\	81.71%	24516.80M	30004.18M		yuping	Admin	
▼ ■ F:\ 4.12% 2062.66M 50006.98M ▼ ■ G:\ 2.04% 2039.02M 100006.16M ▼ ■ H:\ 2.16% 2158.09M 99981.72M ▼ ■ H:\ 24.74% 74211.03M 300002.86M ▼ ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 24.74% 74211.03M 300002.86M ▼ ■ I:\ 192.168.168.11 192.168.168.12 9000 AOP-37DVR I :: 192.168.168.11 9000 AOP-37DVR Enable Auto Logon Client I :: 192.168.168.14 8200 <t< td=""><td>💌 💷 E:\</td><td>6.96%</td><td>2087.11M</td><td>29989.52M</td><td>E</td><td>guest</td><td>Operato</td><td>r</td></t<>	💌 💷 E:\	6.96%	2087.11M	29989.52M	E	guest	Operato	r
Image G:\ 2.04% 2039.02M 100006.16M Image G:\ 2158.09M 99991.72M Image	💌 💷 F:A	4.12%	2062.66M	50006.98M				
Image Environment Server Manage 600 (5-600)Second/Pic Server Manage 600 (5-600)Second/Pic Server Manage Image Image Image <	🗹 🚍 G:\	2.04%	2039.02M	100006.16M		👩 Toch	iange the p	assword for
Image Server Manage Server Manage Image Image Image <	🗹 🖃 H: \	2.16%	2158.09M	99981.72M			in>, click 5 vord	et
✓ Enable Snapshot. 600 (5-600)Second/Pic Server Manage ✓ Enable Prestore Record 30 s 192.168.168 192.168.168.12 9000 AOP-37DVR 192.168.168 192.168.168.12 9000 AOP-37DVR 192.168.168 192.168.168.12 9000 AOP-37DVR 192.168.168 192.168.168.14 8200 AOP-37DVR 192.168.168 192.168.168.14 100 Max	🔽 🖃 I:V	24.74%	74211.03M	300002.86M	~	1 0001		
Add Search Delete Modify Keep Free Space 2046 M Bytes								



This item is mainly intended for the configuration of [Local Record Disk], [User and Password], [Record Size], [Environment] and [Server Manage]

7.1.1.1 Local Record Disk

Function Description: Set the saving path of video recording files. Under this option, the total space and free space available of the disk can be displayed visually. This way the user can easily select the path to save the images according to the actual situation.

For example: If you want to save the video recording files in the Disk C, please proceed with the following procedures.

Check the disk C, and the system will automatically create a folder NVFile under the root directory of disk C. All video recording files and shot images of this center management software will be saved in this directory.

7.1.1.1.2 User and Password

Function Description: Set the user name and password for login of this center management software

When you login the center management software for the first time, you must firstly create a user for administrator. After the user successfully logs in this software, he/she can modify his/her user name and password. The modification steps are as below:

Step 1: Click [Administrator/Operator]

Step 2: Click Set Password, and the dialogue box below will pop up.

Set Username and	Password	×
New Name(<u>N</u>):		
New Password(<u>C)</u> :		
Re Input(<u>C)</u> :		
	Ok Cancel)

Figure (13)

Step 3: Input your new user name, new password and confirmed password after the boxes [New User Name], [New Password] and [Re-input] and then click [OK] to save the settings.

7.1.1.1.3 Record Size

The user can set the record size as required. There are two recording methods:

- Per Duration Length: The minimum record duration is 1 minute, and the maximum record duration is 720 minutes
- Per File Size: The minimum file size is 1M, and the maximum file size is 2048M

7.1.1.1.4 Server Manage

Function Description: The client software can only search for the video devices in the local area network. Therefore if the user needs to conduct the centralized management of remote devices, he/she needs to manually add the server. The steps to add the server are as below:

Click the [Add] button, and the dialogue box below will pop up.

Add Server				X
				_
Server Type:	NetVideo Server	×		
Address:				
Local Name:				
Remote Name:				
CMD Port:	8200	Stream type	Main stream 🛛 👻	
Remark:				
Group:	Video Encode	Gro	oup Set	
Infomation:				
Enable Auto Logo	n			
Channel Num:	0			
User Name:		Password:		
View Video By R	TSP			
Channel: Cha	nnel1 🔽			
RTSP link:				
		Ok	Cancel	

Figure (14)

Step 1: Click the Server Type drop-down list box, and then select the device type to be added.

Step 2: Input the address of device (IP address or domain name) after the Address box.

Step 3: Input the use defined local name after the Local Name box.

Step 4: Input the data port number of the device after the CMD Port box. The default port number for **DVS/IP Camera/37 series network DVR** is **8200**, this port is user definable. You can fill this box using the data port number in the networking settings.

Check the box [Enable Auto Logon]. When you logon the server next time, it is not necessary to input user name and password.

In the local area network, the steps to add the DVS/IP Camera/37 series network DVR server are as below:

Click the **Search** button, and the dialogue box below will pop up.

SEARCH AND ADD SERVER				
Name	Address	Port	Туре	Channel Count
NetworkVideoServer	192.168.168.34	8200	NetVideo Server	1
NetworkVideoServer	192.168.168.33	8200	NetVideo Server	1
Network Video Server	192.168.168.72	8200	NetVideo Server	1
37 DVR	192.168.8.108	9000	AOP-37DVR	4
NetVideoServer	172.16.88.88	8200	NetVideo Server	1
SoftwareTest	192.168.168.189	8200	NetVideo Server	1
DMS8208	192.168.1.100	8200	A0P-37DVR	8
DMS8208	192.168.168.15	9000	AOP-37DVR	8
Network Video Server	192.168.168.17	8200	NetVideo Server	4
DMS8208	192.168.8.180	9002	AOP-37DVR	8
NetworkVideoServer	16.16.88.190	8200	NetVideo Server	1
37 DVR	192.168.168.12	9000	AOP-37DVR	8
ZT	16.16.88.188	8800	NetVideo Server	1
Search	Add		lose	

Figure (15)

Step 1: Select the device which you want to add in the search box.

Step 2: Click the **Add** button, and the dialogue box below will pop up.

Add Server				
Server Type:	NetVideo Server	~		
Address:	192.168.168.72			
Local Name:				
Remote Name:	Network Video Serve	er		
CMD Port:	8200	Stream type	Main stream	~
Remark:				
				~
Group:	Video Encode	Gro	oup Set	
Infomation:				
Enable Auto Logo	n			
Channel Num:	1			
User Name:		Password:		
View Video By R	TSP			
Channel: Cha	nnel1 🗸			
RTSP link:				
		Ok	Ca	ncel

图 (16)

Step 3: Input the use defined local name after the Local Name box.

Check the box [Enable Auto Logon]. When you logon the server next time, it is not necessary to input user name and password.

7.1.1.5 Environment

- Enable Pre-store Record When you select this function, the system will pre-store the videos for 5 60 seconds before alarm when the system start the alarm linkage video recording.
- Enable Auto Reconnect When you select this function, the system will automatically reconnect to the front-end video server when the network recovers to the normal status in case of font-end device disconnection.
- Enable Sound Alarm When you select this function, PC will give off the alarm sound to prompt the user when there is an front-end alarm output.

Enable Auto Logon Client When you select this function, it will not prompt you to input the user name and password any more when you logon the system next time.

7.1.1.2 Local Picture View

This function is used to view the surveillance pictures saved in the local system. Please see the below screen:



Figure (17)

[Disk] Search for the picture file by the position where the picture is saved.

Date Search for the picture file by the date.

Server Search for the picture file by the video server name.

[Loop Show] Preview the searched picture files in loop.

[Print] Print out the selected picture file.

7.1.1.3 Video Switch On Group

Local Setup						X
Local Log View	Setup B	Ξ×	Stream Ma	trix	Virtual M	atrix
Common Setup Local	Picture View	Vide	o Switch On Group	On Time Reco	rd	Service
Group Name:		_ Channel	Setup:			
Group Name		Ch	IP/DNS	Server Name	Port	~
group 1		1	192.168.168.121	192.168.168.121	9000	
group 2		2	192.168.168.121	192.168.168.121	9000	
Gibap 2		3	192.168.168.121	192.168.168.121	9000	
		4	192.168.168.121	192.168.168.121	9000	
		5	192.168.168.121	192.168.168.121	9000	
		6	192.168.168.121	192.168.168.121	9000	
		7	192.168.168.121	192.168.168.121	9000	
		8	192.168.168.121	192.168.168.121	9000	
		9	172.16.88.12	37 DVR12	9000	
		10			0	
		11			0	
		12			U	
		13			U	
		14			0	
		10			0	
		15			0	
		10			0	
		10			0	
		13			U	
		<				
Add Modify	<u>D</u> elete		<u>S</u> et	<u>C</u> lear	Clear All	
Option For Switch On Group						
Switch Group Cycle Time:	20 (5-3	30 Second)			
🔲 Open Group On Open Soft		•	Y			
-				OK Can	icel	Apply

The user can set many groups as required, and display the videos by group or in circle.

Figure (18)

The setting steps for video switch on group are as below:

Note: The video switch on group can only be conducted when you automatically logon the server.

Solution 1: Set the group in the Video Switch On Group setting box (take the setting of Group 1 as an example)

Step 1: Set the video server to automatically logon this software.

In the software screen, select the video server, and then right click the mouse, and then select the **[Properties]**. The dialogue box **[Change Server Parameters]** will pop up.

Check the box Enable Auto Logon, and then input the correct user name and password after the [User Name] and [Password] boxes, and then click [OK],

Add Server		<
		5
Server Type:	NetVideo Server 👻	
Address:	192.168.1.144	
Local Name:	192.168.1.144	
Remote Name:		
CMD Port:	8200	
Remark:	<u>~</u>	
Group:	Video Encode 🛛 🗸 🖌 Group Set	
Infomation:		
🗹 Enable Auto Logo	n	
Channel Num:	1	
User Name:	admin Password:	
View Video By F	TSP	
Channel: Cha	nnel1 🗸	
RTSP link:		
	Ok Cancel	2

to save the settings. For details, please see the below screen:

Figure (19)

Step 2: Add a group

Click the [Add] button on the screen above to add the group name

Group Setup		
	group 3	
Group Name:	group o	
		Ok Cancel



Step 3: Allocate the video server to a group

Select the group and click the Setup button to add the video server that is needed to allocate to the group. Up to 36 video channels can be allocated to a group, and up to 36 groups can be added.

Step 4: In the **[Option for Switch On Group]**, set the switch group cycle time between groups. The minimum switch interval is 5S and the maximum switch interval is 120S.

Step 5: Select [Apply], [OK] to save the settings.

Solution 2: Quick setting of group (take the setting of Group 1 as an example)

Step 1: Set the video server to automatically logon this software.

Step 2: Open the channel to be allocated to the group in the Video Window Area.

Step 3: Right click the mouse and then select [Save Current Channel As].

Step 4: Input the user defined group name, for example "Group 1".

Step 5: Click **[OK]** to save the settings.

7.1.1.4 On Time Record

Remark: The setting for on time record can only be conducted when the network video encoder automatically logon the server.

Local Log View Setup Ex Stream Matrix Virtual Matrix Common Setup Local Picture View Video Switch On Group On Time Record Service Server Name Channel Time Status Image: Channel Image:	al Setup						
Common Setup Local Picture View Video Switch On Group On Time Record Service Server Name Channel Time Status 172.16.88.15(9000):172.16.88.15DMS8 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 DVR12 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 V Image: Common Setup Image: Common Setup Image: Common Setup Server: 172.16.88.12(9000):37 V Image: Common Setup Image: Common Setup Image: Common Setup Server: 172.16.88.12(9000):37 V Image: Common Setup Server: 172.16.88.12(9000):37 V Image: Common Setup Image: Common Setup Image: Common Setup Image: Common Setup Server: 172.16.88.12(9000):37 V Image: Common Setup Image: Common Setup Image: Common Setup Image: Common	Local Log View	w	Setup Ex	Stre	am Matrix	Vi	rtual Matrix
Server Name Channel Time Status 172.16.88.15(3000):172.16.88.15DMS8 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(3000):37 DVR12 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 DVR12 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 V 1,2,3,4, 00:00:00 - 23:59:59 1,2,3,4, 172.16.88.12(9000):37 V 0 0 0 172.16.88.12(9000):37 V V V V Begin Time: 12:00:00 Al \$	Common Setup	Local Pict	ure View	Video Switch On Gro	oup Or	n Time Record	Service
Server Name Channel Time Status 172.16.88.15(9000):172.16.88.15DMS8 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 DVR12 1,2,3,4, 00:00:00 - 23:59:59 Running 172.16.88.12(9000):37 V 11:59:59 Ph ↓ 11:59:59 Ph ↓ 11:59:59 Ph ↓ Run Fre: Every Week ¥ very day Verhesday, Thursday Friday Saturday Sunday	C 11		L CI	1 T:	1	<u></u>	
172.16.88.12(9000):37 DVR12 1.2.3.4 00:00:00 - 23:59:59 Running 1 1.2.3.4 00:00:00 - 23:59:59 Running 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5erver Name 172.16.88.15(9000)):172.16.88.15D(MS8 1234	ei i ime 00:00:00 23:59	:59	Status	
Image: Server: 172.16.88.12[9000]:37 ♥ (Only Supper The Server That Enable Auto Logon) Channel: Image: Stop Time: Image: Stop Time: 11:59:59 Ph ♥ Run Fre: Every Week Image: Stop Time: 11:59:59 Ph ♥ Image: Nonday Image: Nonday Image: Nonday Image: Nonday	172.16.88.12(9000)):37 DVR12	1,2,3,4,	00:00:00 23:59	:59	Running	
Image: server: 172.16.88.12(9000):37 ♥ Image: server: 11:59:59 Ph \$							
Image: Setup Server: 172.16.88.12(9000):37 ♥ (Only Supper The Server That Enable Auto Logon) Channel: Image: Stop Time: 11:59:59 Ph ♀ Run Fre: Every Week Every Week Every Week Every Week Every Week Image: Stop Time: 11:59:59 Ph ♀ Friday Saturday Saturday							
Image: Setup Server: 172.16.88.12(9000):37 ♥ (Only Supper The Server That Enable Auto Logon) Channel: Image: Price Price Price Begin Time: 12:00:00 Al ♥ Stop Time: 11:59:59 Ph ♥ Run Fre: Every Week Every Week Image: Price Price Image: Price Price Price Price Image: Price Price Price Image: Price Price Price Image: Price Price Price Image: Price Price Price Image: Price Price Price Price Price Image: Price Price Price Price Price Price Image: Price Price Price Price Price Price Price Price Image: Price Pric							
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Task Setup Server: 172.16.88.12(9000):37 Channel: Image: Channel:							
Task Setup Server: 172.16.88.12(9000):37 V Channel: V <v<v< td=""> Segin Time: 12:00:00 Al \$ Stop Time: 11:59:59 Ph \$ Run Fre: Every Week Everyday Monday Tuesday Wednesday Thursday Friday</v<v<>							
Task Setup Server: 172.16.88.12(9000):37 Channet: Image: Monday							
Task Setup Server: 172.16.88.12(9000):37 V (Only Supper The Server That Enable Auto Logon) Channel: V V V Begin Time: 12:00:00 AI < Stop Time:							
Task Setup Server: 172.16.88.12(9000):37 V (Only Supper The Server That Enable Auto Logon) Channel: V V V Begin Time: 12:00:00 Al Stop Time: 11:59:59 Ph Run Fre: Every Week Everyday Monday Tuesday Wednesday Thursday Friday Saturday							
Server: 172.16.88.12(9000):37 (Only Supper The Server That Enable Auto Logon) Channel: Image:	Task Setup			1			
Server: IV2.10.00.12(3000).37 V (Unly Supper The Server That Enable Auto Logon) Channel: V V V Begin Time: 12:00:00 Al Stop Time: 11:59:59 Ph Run Fre: Every Week Everyday Monday Tuesday Wednesday Thursday Friday Saturday		170 10 00 10(00)	00)-27 😽				
Channel: Image: Channelitit Image: Channelititit <th< td=""><td>Server:</td><td>172.10.00.12(30</td><td>00).37 💌 (Or</td><td>nly Supper The Server</td><td>That Enable Au</td><td>ito Logon)</td><td></td></th<>	Server:	172.10.00.12(30	00).37 💌 (Or	nly Supper The Server	That Enable Au	ito Logon)	
Begin Time: 12:00:00 AI ♦ Stop Time: 11:59:59 Ph ♦ Run Fre: ● Every Week ● Everyday Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Channel: 🗹			✓			
Run Fre: Every Week Everyday Monday Tuesday Wednesday Thursday Friday Saturday	Begin Time: 12:	::00:00 AI 🤤	Stop Time	: 11:59:59 PN 📚			
Monday 🔲 Tuesday 🗌 Wednesday Thursday 📄 Friday 📄 Saturday 📄 Sunday	Bun Fre: OB	Every Week	💿 Eiveryda	ау			
		Monday T	ruesdav 🗆 W	ednesdav Thursdav	Friday	Saturday	Sunday
Add Task Modify Task Delete Task				Add Tas	sk Mo	dify Task	Delete Task

Figure (21)

The setting steps for on time record are as below:

Step 1: Set the video server to automatically logon this software.

Step 2: Select **Server**, select the server for which you need to make on time record in the drop-down menu.

Step 3: Select the **[**Channel**]** (make selection according to the number of channels of the device) for which the server needs to make on time video.

Step 4: Set **[Begin Time]** and **[Stop Time]** of on time record.

Step 5: Set [Run Fre] of on time record: [Every Week] and [Every Day].

Step 6: Click the Add Task button, and then click Apply and OK to save the settings.

7.1.1.5 Service

Function Description

This item is intended for settings of alarm linkage, alarm sound and hardware decode.

Local Setup			×		
Local Log View	Setup Ex	Stream Matrix	/irtual Matrix		
Common Setup	Local Picture View Vid	leo Switch On Group On Time Record	Service		
Enable Alarm Record	d 📃 🗹 Ena	ble Record On Alarming			
Record Time: 180	s Re	oord Channel List:			
Server: 192	.168.2.120(9000) 🔽 🗹	Channel1 Channel4			
Alarm Type: Mot	ion Alarm 🔽	Channel2 Channel3			
Channel: Cha	nnel1 🔽	Channels	More Info		
Alarm Sound Setup					
Move Detect Sound:	C:\Program Files\NetVideo\	NVClient/Alarm.wav	Browse		
Video Lost Sound:	Video Lost Sound: C:\Program Files\NetVideo\NVClient\Alarm.wav Browse				
Probe Alarm Sound:	C:\Program Files\NetVideo\	NVClient/Alarm.wav	Browse		
Network Buffer Enable default buff buffer,Internet 2 se Buffer	fer set.(LAN 0 second cond buffer) 0 second	 Enable Auto Show Alarm Channel Enable Show Alarm Info Pop Emap On Alarm If break,keep last image 			
		Enable Channel Name As Record Pa	th.		
Hardware Decode	1	T) (Output Formation 640*520	~		
	102 П.СНОЗ П.СНО4				
		OK Cance	l <u>A</u> pply		

Figure (22)

7.1.1.5.1 Alarm Linkage

Enable Alarm Linkage refers to selecting the video server to make the video recording when

there is a font-end alarm event.

The settings are made as below:

Step 1: Check the box **[Enable Alarm Record]**. When the system sets the alarm status, the sub-option can record the video occurring when the alarm is present. The record time can be set between 30 and 600 seconds.

Step 2: Check the box **[Enable Alarm Linkage]**.

Step 2: In the **Server** option, select the server to make alarm linkage.

Step 3: In the [Alarm Type] option, select the alarm type.

Step 4: Check the box **[Enable Record On Alarming]** (Channel 1 - 4 available) **Step 5:** Click the **[Apply]** and **[OK]** to save the parameters.

7.1.1.5.2 Alarm Sound Setup

The user can set the Move Detect Sound, Video Lost Sound and Probe Alarm Sound as required.

Note: The sound file must be of wav format.

7.1.1.5.4 Auto Channel Popup for Alarm

When this item is checked and the server is in the logon status, the center management software will automatically open the alarm channel and maximize the screen when there is an alarm.

7.1.1.5.5 Hardware Decode

When you build the TV wall using the decoding card, it will display the status of DSP channel.

For detailed settings, please refer to User Manual for Video Encoding Card.

TV Output Format I It can configure different resolutions according to the actual situation appearing on the monitor.

There are two resolutions available: [640*520] and [704*576].

7.1.1.6 Local Log View

This item is used to view the system log file, and makes the user easily manage and use the system. For details, please see the screen below:

Local Setup			×
Common Setup Local Log View	Local Picture View View View View	deo Switch On Group On Stream Matrix	Time Record Service Virtual Matrix
Date: day ,Septe	mber 👽 Server:	💌 Туре: А	Il Infomation
Alarm Type	Time	Server Name Channel	Infomation
 Software Operation 	n 2010-09-27 00:20:20		NV Client Admin Login

Figure (23)

The settings are made as below:

Step 1: Click the Date drop-down list to select the date that the log is need to be viewed.

Step 2: Select the log display type.

There are two types: **[By Server]** and **[By Type]**.

Step 3: View the log.

Step 4: Click **[OK]** to exit the log view.

7.1.1.7 Setup Ex

Remark

This item is mainly used for enabling local serial port transparent transmission function and automatic logon server function.

Local Setup							×
Common Setup	Local Picture V	/iew	Video Switch On Gro	oup	On Tim	e Record	Service
Local Log View	,	Setup Ex	Strea	am Matrix	< 🗌	Virtual	Matrix
Enable Transpa	rence (Local Com)		- Send Com Data to	o All Serv	/er —		
COM: COM1	*	DataBits:	8	~	Parity:	Empty	~
Rate: 9600	~	StopBit:	1	~			Default
🗹 Enable Sync Tim	e On Server Open.						
🗹 On Start App "Au	to Open Server						
On Check Camera	Open Image at Fre	ee Pos 🔽 🔽]				
On Open Server	No doing.	*]				
Enable Back Co	nnect –						
Listen Port:	6000						
🗹 Enable Change S	Screen On Soft Star	Ł					
🔲 Open Channel N	o Show Video On R	ecord Task.					
Start Record On	Open Channel						
🔄 Use Overlay Sho	w Video Stream						
Show EMap On I	Dther Monitor.						
						Cancel	

Figure (24)

7.1.1.7.1 Enable Transparence (Local Com) and Send Com Data to All Server

Function Description: When the "Enable Transparence (Local Com)" function is enabled, the date collected on the spot can be transmitted to the serial port of the computer in the surveillance center via 485 interface (or 232 interface) of the video server. For example, the video server is configured in the factory and you want to transmit the data such as voltage to the surveillance center via video server. At this time the local serial port can receive the data from the control port of the video server. When the "Send Com Data to All Server" function is enabled, you can connect the keyboard to the serial port of the computer via "485 to 232 converter" to conduct the direct control of cradle head device connected to the video server or cradle head of the network camera.

It is necessary to match the parameters of serial port devices connected to this computer. The items to be set are [Com], [Data Bits], [Parity], [Rate] and [Stop Bit].

7.1.1.7.2 Enable Sync Time On Server Open

This item can synchronize the time of front-end video server with that of this computer. The update period is one hour.

7.1.1.7.3 On Start App Auto Open Server

If you select this item, it will automatically logon the video server and video encoder that are preset to be logoned automatically when the center management software is opened. (For those servers that are not preset to be logoned automatically, the center management software will try to logon them using the default user name and password "admin".

7.1.1.7.4 Enable Back Connect

Function Description: This function is used to mirror remote online video server, and logon the remote video server via client.

Characteristics: With this function, the remote video server will voluntarily report the video data to the client and make connection with the client. Therefore the user can connect the remote video server without troublesome settings such as port mapping.

7.1.1.7.5 Enable Change Screen On Software Start

Function Description: When the client does not support the resolution of your display, if you enable this function, the center management software will automatically modify the resolution of the display to make the software display in full screen.

7.1.1.7.6 Open Channel No Show Video On Record Task

Function Description: When your computer has a relatively lower configuration, the occupation rate of system resource will be high when you open many images at the same time. Therefore you can consider enabling this function to reduce the occupation rate of system resource when you set multiple channels on time record, this way real time video recording can be conducted without image preview.

7.1.1.7.7 Start Record On Open Channel

Function Description: After you logon the video server, once you open a video channel, it will start recording without need to set other parameters.

7.1.1.7.8 Video Encoding Method Setup

When your computer has a relatively lower configuration, please don't check the box **[Use** Overlay Show Video Stream] when the display card does not start the hardware acceleration.

8. Access DVS/IP Camera through IE

8.1 IE Plug-in Installation and Login

When accessing to DVS/IP Camera through IE (Internet Explorer), you must install the video plug-in firstly. If you have installed the digital video central management software, then you will not need to install IE video plug-in anymore.

Step I: Turn on IE on the computer;

Step II: Input the "<u>http:// IP address (or URL): web port</u>" in the address column, then press ENTER Port number is 80 (when in default value, no need to input port number) Example: <u>http://192.168.168.72</u>



Now the system will prompt you to install ActiveX control as shown above; if above dialog box does not appear, then set the safety setting of IE explorer, the detailed setting is as follow:

- 1) Open IE explorer, click "Tool" on menu bar.
- 2) Select "Internet Option" in pull down list.

Internet Options
General Security Privacy Content Connections Programs Advanced
Select a Web content zone to specify its security settings.
Internet Local intranet Trusted sites Restricted sites
Internet This zone contains all Web sites you haven't placed in other zones Security level for this zone
Custom Custom settings. - To change the settings, click Custom Level. - To use the recommended settings, click Default Level.
<u>C</u> ustom Level <u>D</u> efault Level
OK Cancel Apply

3) Select "Internet", then click "Customized level(C)...", select Enable or Prompt in the options of "ActiveX control and plug-in", and set Safety Level to Low.

Security Settings	Security Settings 🔹 💽 🔀
Settings: ActiveX controls and plug-ins Automatic prompting for ActiveX controls Disable Enable Disable Enable Download signed ActiveX controls Disable Enable Download signed ActiveX controls Disable Enable Prompt Download unsigned ActiveX controls Nichther Reset custom settings Reset to: Medium Reset OK Cancel	Settings: Disable Enable Prompt Disable Enable Prompt Disable Enable Prompt Run ActiveX controls not marked as safe Disable Enable Prompt Run ActiveX controls and plug-ins Administrator approved Disable Enable Enable Run ActiveX controls and plug-ins Administrator approved Disable Enable Run ActiveX controls and plug-ins Administrator approved Disable Enable Run ActiveX controls and plug-ins Administrator approved Disable Enable Run ActiveX controls and plug-ins Reset custom settings Reset to: Medium Reset OK Cancel

- 4) Click "OK" to save and exit, refresh to access DVS/IP Camera address.
- 5) If your browser don't load correctly, click on compatibility icon located right next to the

search bar.



Step 3: type user name and password (default user name and password are: admin)



Step 4: click Login button to enter video preview interface



8.2IE real time browser operation

In real time browse page, you can carry out video image recording, snapshot, talkback, PTZ etc operations.



Interface function description

Click this button to open or close channel picture.



Click this button to carry out snapshot to front end video.



Click this button to enable talkback function with front end DVS/IP Camera.

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Click this button to enable talkback function with front end DVS/IP Camera.



Click this button to switch between audio enable and disable.



Click this button to enable rain strip function.

Click this button to enable lighting function.



Control Up, Down, Left and Right of camera PTZ automatically



8.2.1 IE playback operation

In record playback page, you can carry out query, playback and download etc operations to the recorded files.



Interface function description



Setting the time interval of record query

Name	Channel	File Size
064721.asf	0	14438 KB
064722.asf	1	13852 KB
064724.asf	2	13793 KB
064725.asf	3	14579 KB
064906.asf	1	1758 KB

Query result, double click record file to play

Download After record files for download are selected, click this button to download.

Download Tasks When multiple files are down loaded at the same time, click this button to see the download tasks.



Click this button to browse and play the down loaded record files.



Click this button to play the record file.

Pause Click this button to pause the playing of record file.

Click this button to stop the playing of record file.

9.DVS/IP Camera parameters setting

There are two methods to enter DVS/IP Camera Parameters Setting Interface; the operations are detailed as follow:

Method 1: Use IE to access DVS/IP Camera, after login, click "Setting" on the page to enter DVS/IP Camera Parameters Setting Interface.

Method 2: Use digital management center software (CMS) to log in DVS/IP Camera, after the device is selected, click "Remote Setting" on software menu to enter DVS/IP Camera Parameters Setting Interface.

8.3Channels Settings

Profile

Please see the figure below as the interface for channels setting. Within the setting options, users may configure DVS/IP Camera for its channel name, audio parameter, etc.

Camera Setup Camera Setup Channel: Channel 1 Color Setup OSD Setup Name: Channel Info-1 Network Setup COM Setup Encode Mode: Main Stream Video Alarm Setup Video Fable Video
Color Setup Name: Channel Info-1 OSD Setup Name: Channel Info-1 Network Setup Encode Mode: Main Stream Video Alarm Setup Video Tenable Video
OSD Setup Name: Channel Info-1 Network Setup Encode Mode: Main Stream Video Alarm Setup Image: Channel Info-1
Network Setup Name: Channel Into-1 COM Setup Encode Mode: Main Stream Video Alarm Setup Image: Channel Into-1
COM Setup Encode Mode: Main Stream Video Alarm Setup Imain Stream
Sensor Setup Encode Mode: Main Stream Video Alarm Setup Image: Control of the setup Image: Control of the setup
Video Alarm Setup
Alarm Out Setup Video Format: H264
PPPOE&DDNS Setup
Local Setup Frame Rate: 25
Alarm Infomation Video Size: 704 x 576(D1)
MD Record
FTP Upload Stream Mode: Fixed Byte Rate V Quality: Best
EMail Setup Fixed Byte Rate 1536 (16 2048)kbps
Center Setup
Wireless Setup
UPNP Setup
System Setup Audio Format G711A Sample Rate: B000
User Right
Save
Refresh

Channels Setting

Functional description of options

[Channel] 2/4 channel DVS, select different channel to configure

[Channel Name] set the channel name of camera

[Encode Mode] support 3 streams: main stream, sub-stream, mobile steam

[Encoding Format] set encoding format, support H.264

[Frame Rate] set the frame rate of encoding, which means how many frames of image DVS/IP Camera can compose in 1 second.

[Video Size] set the size for the image of video encoded by DVS/IP Camera, carry out corresponding setting depending on which encode mode is selected.

[Stream Mode] Constant Bit Rate and Constant Quality options, when Constant Bit Rate is selected, the camera will control the bit rate within the range of set value of constant bit rate; when Constant Quality is selected, encoding will be carried out according to the option of [Encoding Quality]]

[Encoding Quality] five encoding qualities are available for option: Best, Good, General, Not Good, Poor

[Constant Bit Rate] DVS/IP Camera will carry out encoding according to the value of Constant Bit Rate

[I frame interval] means the number of P frames or B frames between key frames (I frames) in the frames (I frames, B frames, P frames) encoded by DVS/IP Camera, that is, how many frames have been encoded when a key frame appears

[Bit rate] means the quantity of stream in bps encoded by encoder in 1 second. It can be adjusted continuously from 16k to 16000k.

8.4 Color Setting

General

The color setting interface is shown below; in this setting item, you can configure video brightness, contrast, saturation, sharpness, hue and automatic diaphragm etc options of DVS/IP Camera

Parameter Setting 192	.168.168.72(8200)			D
Camera Setup	Color Setup	Channel 1	-	
Color Setup				
OSD Setup	Common Setup			
Network Setup	Lightness		104	
COM Setup	Contrast		108	
Sensor Setup	Saturation		124	
Video Alarm Setup	Hues		124	
Alarm Out Setup	Definition]	7	
PPPOE&DDNS Setup	Advaned Setup			
Local Setup	Noise Reduction		3	🔽 Auto
Alarm Infomation	Rec		0	
MD Record	Blue		o	🔽 Auto
FTP Upload	Greer		o	
EMail Setup				
Center Setup	Exposure -		10	I Auto
Wireless Setup	Gamn J			-
UPNP Setup	Gain -			M Auto
System Setup	vvide Dynamic P			
User Right	Scense Manual	Mirror Not Mirror	Ψ.	Black-White
	IRIS IRIS Base		8	🗖 Auto
			Default	Save
		Ref	resh	Ok

Color setting

Functional description of options

[Channel] 2/4 channel DVS, select different channel to configure

[Brightness] adjust the brightness degree of picture

[Contrast] adjust the ratio between brightest and darkest areas of picture

Saturation adjust the vividness of picture color

[Hue] adjust the hue of picture

 \llbracket Sharpness \rrbracket adjust the sharpness of each detail shadow and its border

[Noise reduction] adjust digital noise value

[Auto color balance] enable this function to restore other colors more correctly by taking

"White" as base color in the images obtained

[Red, Blue, Green] adjust color values of red, blue, and green

[Exposure] adjust the photographic quantity of image sensor

[Gamma] Gamma correction compensates the color display differences of different output devices, so that the image will appear the same affect on different monitors

[Gain] when Auto Gain is enabled, small signal will be raised, so that noise level will also be increased

[Wide dynamics] it is enabled so that bright area and dark area, foreground and background can be seen clearly at the same time

[Scene] four options available in pull down list: outdoor, indoor, manual and auto [Automatic diaphragm] adjust the diaphragm of lens

8.50SD Setting

Profile

OSD is an abbreviation of On Screen Display, used in CRT/LCD displayer to create some special words or graphics on the screen of displayer, helping users to acquire some assistant messages.

OSD Setting includes the setting of OSD/MASK. Among the setting items, all marked with " $\sqrt{}$ " in their " \Box " mean the corresponding overlap options have been switched on; otherwise off; please see the figure below as example:

Parameter Setting 192.	168.168.72(8200)		
Camera Setup	OSD Setup	Channel: Channel 1	
Color Setup	000.01		
OSD Setup	USD Setup	ast YYYY/MM/DD bh:mm:ss ▼	
Network Setup	Chambrie D X A	550 520	
COM Setup	I Show Inio Position(X,		
Sensor Setup	String:	Camera II	
Video Alarm Setup		Save	
Alarm Out Setup		Covering	
PPPOE&DDNS Setup			
Local Setup			
Alarm Infomation			
MD Record			
FTP Upload			
EMail Setup			
Center Setup			
Wireless Setup			
UPNP Setup			
System Setup			
User Right			
		Refresh	Ok

OSD Setting

Instructions of options

[Channel] 2/4-Channel DVS can select different channels to make configurations

[OSD Setting] Mainly fulfill the functions of words overlapping, include overlapping the dates, overlapping the times, overlapping the descriptions of channel and displaying the

characters. Date and time will be displayed at left upper corner of the screen; description of channel will be displayed at the scope of $0 \sim$ image resolution broad band on X-axial and $0 \sim$ image resolution height on Y-axial.

[Occlusion Setting] Set occlusion at designated area, with the steps as below:

Step I: Select [Channel] (There is only one channel that can not be selected for DVS/IP Camera);

Step II: Use your mouse to click [Occlusion Setting], a setting window will pop-up as below; **Step III:** Use left key of mouse to drag and draw any area you want to occlude;

Step IV: Click [Apply] to set occlusion block on the image under monitoring.

If you want to delete the occlusion settings, just use the left key of mouse to click "Occlusion Area Setting", a setting window will pop-up; then click [Delete], and finally click [Apply], so the occlusion will be deleted.

8.6 Network setting

Profile:

This module is used to basic network setting of DVS/IP Camera e.g. IP address, subnet mask, default gateway, data port, Web port, address of DNS server, as well as the mode to acquire IP address; when the network parameters are modified, DVS/IP Camera will restart automatically.



During setting IP address, please avoid the contradiction between its IP address with that of other equipment in LAN; when the network parameters are modified, DVS/IP Camera will restart automatically.

Parameter Setting 192	.168.168.72(8200)	
Camera Setup	Network Setup	
Color Setup		
OSD Setup	Network Setup	
▶ Network Setup	C Enable Auto Get IPaddress Video standard PAL	
COM Setup	Enable the Set IP Address	
Sensor Setup	IP Address: 132, 160, 160, 72 Median Bit, 0200	
Video Alarm Setup	Mask: 255.255.0 Web Port: 80	
Alarm Out Setup	Gateway: 192.168.168.1 MAC: 00:18:A8:43:23:96	
PPPOE&DDNS Setup	C Auto Get DNS Server Talkback lp: 0,0,0,0	
Local Setup	Enable the Set DNS Server	
Alarm Infomation	DNS Server 202. 96 . 134 . 133	
MD Record		
FTP Upload	Network Video Server	
EMail Setup	Server name:	
Center Setup	Server Notify Set:	
Wireless Setup	Enable Send Notify to NVClient	
UPNP Setup	NVClient Address: Port: Time(S):	
System Setup	jouuu ja Save	
User Right		
	Refresh	

Network Setting

Functional description of options

9.4.1 Automatically acquire IP address

When this option is selected, DVS/IP Camera will acquire a dynamic IP address from DHCP server; if DHCP server is not available, then use manually assigned IP address at present.

9.4.2 Use fixed IP address

When this option is selected, you can manually assign a legal IP address in IP address field.

[IP Address] the IP address must be unique, and should not conflict with other host or work station in the same network segment.

Subnet Mask it is used to divide the network segment of subnet.

Gateway when DVS/IP Camera is accessed through different network segment, it is required to set this address.

[DNS] it is used to analyze the IP address of server with dynamic IP address, after DDNS function is enabled, correct DNS address should be set.

Data Port it is the port for the audio and video media of DVS/IP Camera, which ranges from 2000—66535, the default value is 8200.

Web Port it is the server port for WEB access of DVS/IP Camera, the default value is 80; if this setting is changed, input <u>http://camera address: Web port</u> when login again.

Set Talkback IP it is the IP address of client receiving message when talkback request is sent, this function is an expanded function and not available yet.

Server Name Name of the server, convenient for memory; e.g. if the server is placed at No. 888 Jiefang Road, then you may name the server as "No. 888 Jiefang Road" for a clear guide of its location exactly

Reversal Connection of Server DVS/IP Camera actively connects to the object host on which the central management software is installed, and the default service port is **6000**.

Setting When the setting corresponding to the button is done, click the button to finish.

8.7 Video Motion Warning

After the video Motion warning is started, when the image moves in set area set time period, the DVS/IP Camera will conduct warning treatment by set actions e.g. snap-shot jpg pictures in linkage, conduct probe output in linkage, as well as send the alarm to client end, so that the client may proceed to treatment basing on local settings. Video motion warning information includes name of server, IP, alarm type, time, etc. that may be saved into log files for the purpose of convenient inquiry afterwards. In case the client end has no connection with DVS/IP Camera when the warning occurs, users may set it to trigger the client end to login the server automatically and open the image when the warning occurs.

Set video motion warning

Parameter Setting 192.1	168.168.72(8200)	
Camera Setup	Video Alarm Setup	
Color Setup		
OSD Setup	Alarm Type: Video Motion 💌 🔽 Enable Auto Snapshot	
Network Setup	Alarm Time Set	
COM Setup	Enable Every	
Sensor Setup	Time Zone: 12:00:00/+ 11:59:00 F+	
Video Alarm Setup	Time Zone: 12:00:00 / - 11:59:00 F -	
Alarm Out Setup		
PPPOE&DDNS Setup	Alarm area: Linkage Alarm Out:	
Local Setup	210 1 10 20 00	
Alarm Infomation		
MD Record		
FTP Upload	Alarm Clear Time: 30 S	
EMail Setup	Sensitive:	
Center Setup	20	
Wireless Setup		
UPNP Setup	Save	
System Setup		
User Right		
	Refresh	k

Video motion warning Setting

Steps of setting

Step I: Select **Channel** (multiple channels of DVS/IP Camera are optional)

```
Step II: Select [Video Mobile] among [Warning Category]
```

Step III: **Start Auto Snap-shot** (Optional)

Auto Snap-shot: after the mobile event occurs, system will automatically send the jpg pictures to all client ends that connected currently

Step IV: Set the alarm time segment within the options in **Set Alarm Time**, then **Tick & Select**

```
Step V: Set video in Motion Alarm Area
```

Each channel of image will be divided into 18 arrays 22 columns, totally 396 areas can be available to set active detection; out of these set areas, the system will not conduct active detection; red color means "The area with active detection on image"; when setting, use the mouse to drag and select the area to set.

- Step VI: Tick and select **[Linkage Alarm Output]** (Optional)
- Step VII: Set **Time of Alarm Elimination** (1~999 seconds optional)

The time of alarm elimination means the system will automatically eliminate the output when the alarm extends to this moment

Skills of setting:

- 1. In order to avoid the small objects from moving in the image that may cause unnecessary warning, users may set the sensitivity a bit higher;
- 2. In some areas with frequent movement, users may also set the sensitivity a bit higher in order to avoid constant warning;

3. Only those warning of very subtle movements require a low or extreme sensitivity, normally users are recommended to set a rather high sensitivity

8.8 Video Loss Warning

After the video loss warning is started, when the warning occurs, the system may designate some probe to output in linkage, as well as send the warning message to client end; while the client end may conduct treatment basing on local setting. Video loss warning information includes name of server, IP, alarm type, time, etc. that may be saved into log files for the purpose of convenient inquiry afterwards.

Set video loss warning

Parameter Setting 192	2.168.168.72(8200)	
Camera Setup	Video Alarm Setup	
Color Setup		
OSD Setup	Alarm Type: Video Lost 🔽 🥅 Enable Auto Snapshot	
Network Setup	Alarm Time Set	
COM Setup		
Sensor Setup	Time Zone: 12:00:00 / - 11:59:00 F -	
Video Alarm Setup	Time Zone: 12:00:00 / 🐳 . 11:59:00 F 🐳	
Alarm Out Setup		
PPPOE&DDNS Setup	Alarm area: Linkage Alarm Out:	
Local Setup	Distribution 20 (74)	
Alarm Infomation		
MD Record		
FTP Upload	Alarm Clear Time: ³⁰ S	
EMail Setup	Sensitive:	
Center Setup		
Wireless Setup		
UPNP Setup		
System Setup		
User Right		
	Refresh	Ok

Video loss warning Setting

Steps of setting:

Step I: Select [Channel], enter [Alarm Type], then select [Video Loss]

Step II: Set the alarm time segment, select arming time and set the arming time segment

Step III: Tick and select [Linkage Alarm Output]

The system offers binary probe output for options; users may connect with external alarm equipment e.g. alarm ring, alarm light, alarm signal, etc. In case an emergency of video loss occurs, the system may automatically output binary to the external equipment

Step IV: Set the time of alarm elimination (1~999 seconds)

Step V: Click [Setting], save the parameters

8.9 PPPOE&DDNS Settings

Profile: According to the customer's demands, if the fore-end accesses to network by dial-up, users need to conduct the setting to PPPOE; while if the remote users need to access to DVS/IP Camera via domain name, they can select DDNS supported by DVS/IP Camera to make settings. Currently it can support three kinds of DDNS: <u>www.dyndns.com</u>; www.netnvr.com;

arameter Setting 192.	168.168.72(8200)			
Camera Setup	PPPOE&DDNS Setup	Channel: Chann	nel 1 🗸	
Color Setup				
OSD Setup	PPPoE && DDNS Set-			
Network Setup	🗌 Auto Dial Up On Se	rver Started(<u>S)</u>		
COM Setup	UserName(<u>U)</u> :			
Sensor Setup	Password(P):			
Video Alarm Setup	Current Server IP	255.255.255.255		
Alarm Out Setup	Canon Corronn .		Save	
▶ PPPOE&DDNS Setup				
MD Record				
FTP Upload				
EMail Setup				
Center Setup				
Wireless Setup	Provider:	NetNVR		
UPNP Setup	Username:	ddnsdemo		
System Setup	- ·			
User Right	Password:			
	Domain:	ddnsdemo.netnvr.com		
	Update Interval:	1min 🔽		
	DDNS Status:		Save	
			3476	
			Befresh	Ok

(where www.netnvr.com is the private DDNS of our company)

DDNS Setting

Configurations of PPPoE

- Step I: Open the options of **PPPoE&DDNS Setting** as above
- **Step II:** In PPPoE, fill in the items of **User Name** and **Password** (acquired from network service provider)

Step III: Click **Setting** to save the parameters setting, then the equipment can access to the Wide Area Network (WAN) by dial-up.

Instructions of DDNS configuration

Currently, ISP mostly offers active IP to us (e.g. access to network by dial-up like ADSL), while mostly DVS/IP Camera and other DVS/IP Cameras need a fixed IP when they access to network remotely, and the fixed IP will cost the users too much, then DDNS offers a brand new solution to users, it may capture the user's changing IP every time, then match the IP with domain, so the user may conduct remote monitoring via the domain. Instructions:

For the detailed configuration of DDNS, please refer to Appendix I

8.10 Local setting

It is used to set local record and snapshot save path, network buffer and image display mode etc parameters.

Parameter Setting 192.1	168.168.72(82	00)				
Camera Setup	Local Setup		Channel: Channel	_		
Color Setup						
OSD Setup	Record Disk Set	up				
Network Setup	Disk	%Free Sp	Free Space	Total Space		
COM Setup		82.53%	41266.04M	49999.14M		
Sensor Setup		64,76%	51808.34M	80003.35M		
Video Alarm Setup	E F:N	72.05%	20503.95M	28458.86M		
Alarm Out Setup						
PPPOE&DDNS Setup						
▶ Local Setup						
Alarm Infomation					Save	
MD Record	_ ⊢Net Buffer Set—					
FTP Upload	Use Def.	ault Buffer Set				
EMail Setup	C Buffer	2 Seco	nd Data.		Use	
Center Setup						
Wireless Setup	j Enable Mouse	e Control PTZ	I Enable Vide	eo Overlay Mode		
UPNP Setup	Image Root Path	: NVFile			Save	
System Setup						
User Right						
				Refresh		Ok

Local Setting

Detailed description of parameters configuration:

Record Setting tick the drive letter where records are saved in disk list.

Network Buffer when the network speed of remote access is very slow, Network Buffer can be set to improve the smooth of images.

Use Mouse to Drive PTZ function after this function is enabled, you can directly use mouse to drive PTZ rotation on video picture.

[Image Display by using Overlay Method] when the configuration of computer is too low to display images, then disable this option to attain the goal of displaying images, but the display affect of image will be decreased.

Root Path of Saving Picture Records set the name of root directory for the saving of picture

records, the default value is NVFile.

8.11 Alarm message

You can view probe alarm message, motion detection alarm message, video loss alarm message and disk abnormal error etc other messages in real time.

Parameter Setting 192	.168.168.72(8200)				X
Camera Setup	Alarm Infomation	Channel: Cha	innel 1 🔽		
Color Setup		channel, j			
OSD Setup	Alarm Infomation:		_	Clear	
Network Setup	Server	Alarm Type	Time		
COM Setup	192.168.168.72(8200)	Probe 1Alarm	2011-01-06 07:13:	44	
Sensor Setup					
Video Alarm Setup					
Alarm Out Setup					
PPPOE&DDNS Setup					
Local Setup					
Alarm Infomation					
MD Record					
FTP Upload					
EMail Setup					
Center Setup					
Wireless Setup					
UPNP Setup					
System Setup	<			>	
User Right	,				
			Refresh		Ok

Alarm Message

8.12 FTP Upload Setting

Profile

FTP upload setting means when warning occurs and it needs to upload pictures to some FTP server in the network, the DVS/IP Camera may automatically upload the pictures to the designated FTP server; details as the figure below:

Parameter Setting 192	.168.168.72(820	00)
Camera Setup	FTP Upload	Channel V
Color Setup		
OSD Setup	Enable FTP	Upload
Network Setup		If snapshot image,then auto upload to the ftp server.
COM Setup		100 100 100 00
Sensor Setup	FTP Server:	Port: 21
Video Alarm Setup	UserName:	ftpuser
Alarm Out Setup	Password:	XXXXXXXX
PPPOE&DDNS Setup	Top Dir:	Server IP Address
Local Setup	Sub Dir:	Channel No. Save
Alarm Infomation		
MD Record		
▶ FTP Upload		
EMail Setup		
Center Setup		
Wireless Setup		
UPNP Setup		
System Setup		
User Right		
		Refresh

FTP Upload Setting

Steps of FTP configuration:

When all options below are set correctly, FTP upload function can be realized successfully.

Step I: Install FTP server (For detailed methods of installation, please consult the corporate network administrator)

Instruction: Recommend to adopt Serv-U series FTP server software

- Step II: Tick and select **Start FTP Function**
- Step III: Fill the IP address and port (default FTP open port 21) into **FTP Server**
- Step IV: Set **[User Name]**, means the legal user name in FTP server

Password is the corresponding password of the legal user name

Step V: Set **[Catalogue]** and **[Sub-catalogue]**

Means the mode to names the folders where image files are saved in FTP server

Step VI: Click **Save** to save parameters

8.13 Email Upload Setting

Profile

E-mail upload setting means when warning occurs and it needs to send the pictures to email box, DVS/IP Camera may automatically send the alarm information and pictures to the designated mailbox by email; details as the figure below:

Parameter Setting 192	2.168.168.72(8200)	
Camera Setup	EMail Setup Channel 1	
Color Setup		
OSD Setup	Enable EMail Send Alarm	
Network Setup	EMAIL Server smtp.qq.com	
COM Setup	Username: 135943352@qq.com Pass word	
Sensor Setup	From: 135943352@qq.com	
Video Alarm Setup	To: youmsnemail@hotmail.com	
Alarm Out Setup	Copy: BCopy:	
PPPOE&DDNS Setup	Attach Pic: 🔽 Save	
Local Setup		
Alarm Infomation		
MD Record		
FTP Upload		
▶ EMail Setup		
Center Setup		
Wireless Setup		
UPNP Setup		
System Setup		
User Right		
	Refresh	Ok

Email Upload Setting

Steps of Email upload setting

Step I: Tick and select **Start Email Alarm Upload**

Step II: Set [Email Server], means the address of mail server used for the sender's mailbox

Users are suggested to use mail server of [smtp.qq.com] or [smtp.sohu.com]

Step III: Set **[User Name]** and **[Password]**, mean the user name and password corresponding to the sender's mailbox

Step IV: Set **Sender**, mean the address of mailbox the sender uses

Set **[Receiver]**, mean the address of mailbox the receiver uses

Users are suggested to use mailbox of [E-mail name@hotmail.com], [E-mail name @qq.com], [E-mail name@foxmail.com], [E-mail name@sohu.com], [E-mail name @yahoo.com] or [E-mail name @gmail.com]

Options

Copy This option means that the email you are writing will also be sent to the emails that you input in the **Copy** field, except for the email that you put in the To field, and the To recipient will know that you are sending this email to him and others that you are inputting in the **Copy** field. (This function is not supported current).

BCopy This option means that the email you are writing will also be sent to the emails that you input in the **BCopy** field, except for the email that you put in the To field, but the To recipient will not know that you are sending this email to the recipients that you are inputting in the **Copy** field. (This function is not supported current).

[Image Attach] When this option is checked, it will snap shot the images and upload it via email in case of system alarm.

8.14 Center Access Configuration

Profile

Center access configuration means the setting of essential parameters for fore-end equipment monitoring system to access to central platform; details as the figure below:

Parameter Setting 192	.168.168.72(82	00)		
Camera Setup	Center Setup	Channel Channel 1		
Color Setup		channel. j		
OSD Setup	🔽 Enable Reg	ister on "Center"		
Network Setup		400 400 400 050	0000	
COM Setup	Center IP:	192 . 168 . 168 . 250 Port	8889	
Sensor Setup	Device No.:	l		
Video Alarm Setup			Save	
Alarm Out Setup				
PPPOE&DDNS Setup				
Local Setup				
Alarm Infomation				
MD Record				
FTP Upload				
EMail Setup				
Center Setup				
Wireless Setup				
UPNP Setup				
System Setup				
User Right				
		R	efresh	Ok

Center Access Setting

Steps of Center access configuration

Step I: Construct a platform server (it is necessary to install another set of independent platform software of our company, and you need to contact our technical support)

Step II: Tick and select [Enable Register on "Center"]

Step III: Set $\llbracket Center IP
rbracket$, means the address of platform server

Set **[Port]**, means the designated port of platform server, and the port is 8889.

Step IV: Set **[Device NO.]**, means the serial number of platform server (for our product, it does not need to input the serial number)

Step V: Click [save], save the parameters

8.15 WIFI Setting

8.15.1 WiFi parameters setting

In **NVClient** client side, open "Remote Setting" to pop up "Parameters Setting" dialog box, select "WIFI Setting" option, enable WIFI function in "WIFI Network Parameters" field at the right side, and set correct network parameters, SSID, encrypt mode, work mode and encrypt content (please input according to the prompt of document).



Parameter Setting 192.	.168.168.72(8200)	×
Camera Setup	Wireless Setup Channel Channel 1	
Color Setup		
OSD Setup	TD-SCDMA Param	
Network Setup	Enable: No 🔽 3G Card: EVD0 🔽	
COM Setup	Status: DOWN IP Add: 0.0.0.0	
Sensor Setup	<u></u>	
Video Alarm Setup	WIFI Param	
Alarm Out Setup	Wifi Enable: Enable	
PPPOE&DDNS Setup	Net Address: 192.168.5.202 GateWay: 192.168.5.1	
Local Setup	NetMask: 255.255.255.0 DNS: 202.96.134.133	
Alarm Infomation	Essib. BND Work Made Managed	
MD Record		
FTP Upload	Security: WEP-64 Char Format: HEX	
EMail Setup	WepKey: 1231324343	
Center Setup	Wep-64: Input 5 ASCII characters, or Input 10 HEX characters. (HEX is 0~9, A~F, or a~P)	
Wireless Setup	Wep-128: Input 13 ASCII characters, or Input 26 HEX characters. (HEX is 0~9, A~F,	
UPNP Setup	WPA: The wepKey consists of 8-63 ASCII chars.	
System Setup	Set	
User Right	Mobile Setup	
	Port 15961 Set	
	Refresh	

WiFi parameters setting

After setting, you can find out the IP address of wireless network card by using the client side of Digital Video Management Center.

8.15.2 Mobile access setting

Set mobile access port, the default value is 15961. For the purpose of mobile access, it is required to install mobile monitoring software of attached CD on mobile.

Parameter Setting 192.	168.168.72(8200)	×
Camera Setup	Wireless Setup Channel 1	
Color Setup		
OSD Setup	TD-SCDMA Param	
Network Setup	Enable : No 🔽 3G Card: EVD0 🔽	
COM Setup	Status: DDWN IP Add: 0.0.0.0	
Sensor Setup		
Video Alarm Setup	WIFI Param	
Alarm Out Setup	Wifi Enable	
PPPOE&DDNS Setup	Net Address: 192.168.5.202 GateWay: 192.168.5.1	
Local Setup	NetMask: 255.255.255.0 DNS: 202.96.134.133	
Alarm Infomation	Eccip. RND Work Mode Managed	
MD Record		
FTP Upload	Security: WEP-64 Char Format: HEX	
EMail Setup	WepKey: 1231324343	
Center Setup	Wep-64: Input 5 ASCII characters, or Input 10 HEX characters. (HEX is 0~9, A~F, or a~f)	
Wireless Setup	Wep-128: Input 13 ASCII characters, or Input 26 HEX characters. (HEX is 0~9, A~F,	
UPNP Setup	WPA: The wepKey consists of 8-63 ASCII chars.	
System Setup	Set	
User Right	Mobile Setup	
	Port 15961 Set	
	Refresh Ok	

Mobile setting

8.16 UPNP setting

General

After UPNP function is enabled, and then by combining DDNS, you can let your DVS/IP Camera to realize plug and play.

"UPNP setting" mainly includes [Enable UPNP], [Work Mode], [Network Card Type],

[Local Port Setting] and **[Remote Port Setting]** etc setting.

As shown in below:

Pa	arameter Setting 192	2.168.168.72(8200)	×		
ſ	Camera Setup	UPNP Setup			
	Color Setup				
	OSD Setup				
	Network Setup	Enable UPNP 🔽			
	COM Setup	Mode Auto port map			
	Sensor Setup	Net adapter type Wired adapter			
	Video Alarm Setup	19210210			
	Alarm Out Setup	Router IP 132.100.100.1			
	PPPOE&DDNS Setup	Local data port 8200 Remote data port 8200 OK			
	Local Setup	Local web port 80 Bemote web port 80 OK			
	Alarm Infomation				
	MD Record	Local mobile port 15961 Remote mobile port 15961 OK			
	FTP Upload				
	EMail Setup	Deafult Save			
	Center Setup				
	Wireless Setup				
	▶ UPNP Setup				
	System Setup				
	User Right				
L					
	Refresh				

UPNP Setting

[Enable UPNP] UPNP is not enabled in factory default of camera, tick **[Enable UPNP]** to enable UPNP function;

[Work Mode] there are 2 options of work mode: Auto Port Mapping and Manual Port Mapping; when Auto Port Mapping is set, DVS/IP Camera will assign mapping port automatically; when Manual Port Mapping is set, it is required to manually set "**Remote Data Port**", "**Remote Web Port**" and "**Remote Mobile Port**";

[Net Adapter Type] select to use "wired adapter" or "wireless adapter" to realize UPNP function;

[Local Port Setting] It is the local access port of DVS/IP Camera, it is required to set local port in network parameters;

[Remote Port Setting] It is the port through which DVS/IP Camera is accessed remotely; After remote port mapping is set, when you can use remote port to access DVS/IP Camera, the router will carry out data transition between remote port and local port.

8.17 System Setup

Profile

"System Setup" chiefly include the common settings for all parts e.g. [System Clock], [System Parameters Saving], [System Update], [System Version],

[System Restart], **[System Restore Settings]**, etc. **Please see the figure as below:**

Parameter Setting 192	.168.168.72(8200)	×			
Camera Setup	System Setup Channel 1				
Color Setup		_			
OSD Setup	Server Time Set				
Network Setup	1/ 6/2011 + 7:21:09 Alv + Set				
COM Setup					
Sensor Setup	Update FLASH Save all the changed parameters to the Flash. All your settings are				
Video Alarm Setup	workable after restart the IP server.				
Alarm Out Setup	Save				
PPPOE&DDNS Setup	Server Upgrade				
Local Setup	Browse				
Alarm Infomation					
MD Record	Upgrade				
FTP Upload					
EMail Setup	Server Version:1.0.0.127C Made: 2010-10-07 20:48:17				
Center Setup	OCX Version : 1.10.12.17 ReStart ReStore				
Wireless Setup					
UPNP Setup					
System Setup					
User Right					
	Refresh				

System Setting

- **Server Time Setup** The system offers the function of calibration to the time of client end for remote DVS/IP Camera; When it confirms the time of client end is correct, click "**Set**", then video server will work by the time of client end.
- **Update FLASH** Click "**Save**" to save the revised parameters into the "flash" in the server; Otherwise, the system will still use the previous parameters after restart.
- **Server Upgrade** When DVS/IP Camera needs upgrade, click this button to upgrade as the steps below:

Step I: Click **[Browse]** button

Step II: Select the upgrade files (details as the figure below) **Step III:** Click **Upgrade**



- Before upgrade, please contact technician of our Technical Department, and the upgrade shall be conducted under our technician's instructions
- > The network must not break off during the process of upgrade
- > Power supply of DVS/IP Camera shall be stable during the process of upgrade
- The DVS/IP Camera will automatically restart when the upgrade finishes; please do not make any operation before the system successfully run up again.

Camera Setup	System Setup	
Color Setup		
OSD Setup	Server Time Set	
Network Setup	1/ 6/2011 + 7:39:06 AM +	
COM Setup		
Sensor Setup	Update FLASH	
Video Alarm Setup	workable after restart the IP server.	
Alarm Out Setup	Save	9
PPPOESDI Please	change the import file.	
Local Setur		
Alarm Info		owse
DS_6	C_1CH_9910_D1_V1.00.00.128.rom	
MD Record DS_6	C_9CH_2866_CIF_V1.00.00.128.rom	de
FTP Uploa	C_IPCAM_OV_720P_V1.00.00.128.rom	
EMail Setur	D_4CH_2866_D1_V1.00.00.128.rom	1
Center Set 🔤 DS_6	D_IPCAM_SF_1080P_V1.00.00.126.rom	ore
Wireless Se		
UPNP Setu		
System Sel		
User Right	pe: ROM Files (*.ROM)	
	C Open as read-only	

Server upgrade

[Restore **]** Recover all parameters to be ex-work values except the network parameter and user rights parameter.

[Restart Server] Click [Restart Server] button, then the server will shut off and restart.

8.18 User Rights Setting

ameter Setting 192	.168.168.72(8200)
Camera Setup	User Right Channel 1
Color Setup	
OSD Setup	User Right Set:
Network Setup	User Index: User1
COM Setup	User Name: admin UserPass:
Sensor Setup	Enable User
Video Alarm Setup	User Right:
Alarm Out Setup	PTZ Control 🔽 Server Config 🔽 Update,Restart
PPPOE&DDNS Setup	User Priview:
Local Setup	Channel1 🔽 Channel2 🔽 Channel3 🔽 Channel4
Alarm Infomation	
MD Record	
FTP Upload	
EMail Setup	MAC Limit: 00:00:00:00:00
Center Setup	The Windows MAC Address 00:E0:4C:FA:54:A7
Wireless Setup	
UPNP Setup	
System Setup	
User Right	
	Refresh

User Rights Setting

Profile: The server can support maximally 5 users; and each user may own private rights under setting

Steps of setting:

- **Step I:** Click **[User Index]**, select the User in the drop-down menu (User from 1 to 5, optional)
- Step II: Set **[User Name]** and **[UserPass]**
- Step III: Tick and select **[Enable User]**
- Step IV: Set user Rights

FTZ Control, Set Parameters, Upgrade, Format optional Tick and select **Channels The User Can Preview**

10. Access camera on the WAN (INTERNET)

Step 1: Make sure the DVS IP address is LAN IP address; make sure the IP address and the DNS server is correct.



(Router LAN IP address)

Parameter Setting 192	168.168.72(8200)	×
Camera Setup	Network Setup	
Color Setup		
OSD Setup	Network Setup	
▶ Network Setup	C Enable Auto Get IPaddress Video standard PAL	
COM Setup	192.168.168.72 Media Port: 8200	
Sensor Setup	IP Address: 255, 255, 0, 144 parts 80	
Video Alarm Setup	Mask: Web Port 100	
Alarm Out Setup	Gateway: 192.168.168.1 MAC: 00:18:A8:43:23:96	
PPPOE&DDNS Setup	C Auto Get DNS Server Talkback Ip: 0.0.0.0	
Local Setup	Enable the Set DNS Server	
Alarm Infomation	DNS Server 202. 96 . 134 . 133	
MD Record		
FTP Upload	Network Video Server Save	
EMail Setup	Server name:	
Center Setup	Server Notify Set:	
Wireless Setup	Enable Send Notify to NVClient	
UPNP Setup	NVClient Address: Port: Time(S):	
System Setup	6000 3 Save	
User Right		
	Refresh	

(DVS Network Setting)

• **Step 2:** Setting Virtual Server on the rooter

D-Link Building Networks for People			802.11	g/2.4GHz	Wireless R	Couter
DI-524	Home Virtual Server	Advan	ced 🗾	Fools	Status	Help
	vintual Server is u	sed to allow I	nternet users d ODisable	access to LAN s ed	ervices.	
Virtual Server	Name	MiNi DVS				
	Private IP	192.168.16	8.72			
Application	Protocol Type	TCP 😽				
	Private Port	80				
Filter	Public Port	80				
	Schedule	🔘 Always				I
Firewall		🔘 From	Time 00	💙 : ОО 🔽 ТО ОО	00 💌	I
			day Sun	🌱 To Sun 🜱		I
DDNS					- 🚫 I	🖸 🔂
DMZ					Apply C	ancel Help
	Virtual Server L	ist				
Performance	Name		Private IP	Protocol	Schedule	
	Virtual Server	FTP	0.0.0.0	TCP 21 / 21	Always	🕑 🔟 📗

(Setting Virtual Server, Web Port: 80, add DVS IP address: 192.168.168.72)

D-Link Building Networks for People			802.11	g/2.4GHz	us C Wireless R	Bouter	
DI-524 Virtual Server	Home Virtual Server Virtual Server is use Name	Advan d to allow In O Enabled MINI DVS	ternet users a	iccess to LAN si	Status ervices.	Help	
Application Filter	Private IP Protocol Type Private Port Public Port Schedule	192.168.168 TCP 💙 80 80 O Always O From	3. 72	00 v To 00	v :00 v		
DDNS DMZ Performance	Virtual Server Lis Name	st	day Sun v	To Sun	Apply C	3 🔂 ancel Help	

(Setting Virtual Server, Data Port: 8200, add DVS IP address: 192.168.168.72)

	Virtual Server List				
Performance	Name	Private IP	Protocol	Schedule	
	Virtual Server FTP	0.0.0.0	TCP 21 / 21	Always	🛃 📋
	Virtual Server HTTP	0.0.0.0	TCP 80/80	Always	📝 间
	Virtual Server HTTPS	0.0.0.0	TCP 443/443	Always	🛃 📋
100 C	Virtual Server DNS	0.0.0.0	UDP 53 / 53	Always	🛃 📋
	Virtual Server SMTP	0.0.0.0	TCP 25/25	Always	🛃 📋
	Virtual Server POP3	0.0.0.0	TCP 110/110	Always	🛃 📋
	Virtual Server Telnet	0.0.0.0	TCP 23/23	Always	🛃 📋
	IPSec	0.0.0.0	UDP 500 / 500	Always	🛃 📋
	PPTP	0.0.0.0	TCP 17237 1723	Always	📝 📋
	DCS-900,DCS-1000	0.0.0.0	TCP 80/80	Always	📝 📋
	DCS-2000,DCS-5300	0.0.0.0	TCP 800/800	Always	🛃 📋
	DCS-3120	0.0.0.0	UDP 5002- 5003 / 5002- 5003	Always	21
	MINI DVS	192.168.168.201	TCP 8200 / 8200	Always	📝 📋
	🗹 MiNi DVS	192.168.168.201	TCP 80/80	Always	🛃 📋

Step 3: Get WAN IP address (116.24.36.109) then enter this address to browser.
 Example:



11. FAQ

 Question: unable through the IP address connection network video encoder Inspection network video encoder whether online, may through the PING order examination;

Inspects information and so on IP address, port number, user name, password in the network video decoder connection information whether with network video encoder correspondence

2) Question: unable through the domain name connection network video encoder

Inspection network video encoder dynamic domain name analysis serves whether begins using normally;

Inspects information and so on domain name, port number, user name, password in the network video decoder connection information whether with network video frequency encoder correspondence

3) Question: The decoder outputs on monitoring device non-picture output

Inspects above two kinds of situations;

Inspection connection monitoring device and decoder video output electric cable whether damages, or the contact is not good;

The decoder outputs on monitoring device non-picture output.

4) Question: can not visit video server via browser

Possible reason: network disconnected

Solution: Connect network with PC to check if the network is connected well. Firstly check cable failure and network problems caused by virus, until the network is connected successfully by checking with ping command

Possible reason: IP address conflict

Solution: Disconnect the server's network and connect server with PC to reset IP address according recommended operations

Possible reason: IP address in different subnets Solution: Check the IP address and subnet mask of server and gateway Possible reason: web port is changed Solution: Contact network administrator to obtain corresponding port information Possible reason: unknown Solution: Reset server to the factory settings and re-connect network. The default

IP address of system is 192.168.1.100

12. Default Parameters

1. Network parameters

1) Network Video Server and IP Camera default parameters

Parameters	Default
IP address	192.168.1.100
Subnet address	255.255.255.0
Gateway	192.168.1.1
Data port	8200
Web port	80
Mobile port	15961
UPNP	Off

2) Network Video Decoder default parameters

Parameters	Default
IP address	192.168.1.98
Subnet address	255.255.255.0
Gateway	192.168.1.1
Data port	8200

2. Username and password

Parameter	Default
Username	admin
Password	admin