NVR Client System

User's Guide



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Introductions

Thank you for purchasing our NVR client system. This NVR client system can connect to PC-DVR (DVR system), EM-DVR and DVS etc. Also, it can set them and search their record data remotely. In addition, server's log (only for PC-DVR) can be viewed from long-distance and IE browser is supported.

New Functions

- 1. Onvif supported. Refer to Page 34.
- 2. Search multi-server at a time remotely. Refer to Page 65.
- 3. MAC OS supported. User can ask our sales to offer this version.
- 4. View up to 4 channels via iPhone mobileclient.
- 5. Ipad supported.
- 6. Webclient updated. Refer to Page 68.

For point 4 & 5, please refer to our iPhone user manual for details.

System Features

-Support mobile client, such as Andriod, iPhone and Blackberry etc.

-Support the following eight kinds of resolution: 1024*768 pixels, 1280*768 pixels, 1280*1024 pixels, 1366*768 pixels, 1440*900 pixels, 1600*900 pixels, 1680*1050 pixels and 1920*1080 pixels.

-Support 64bit OS installation.

-Support PC Decoder function. It is integrated to support multi-monitor for TV wall function. User can drag any board card cameras or IP cameras supported by our software to any window on TV wall. You can connect as many as 24 monitors to the system.

-Support E-Map function. It can be used to deal with variety alarms, such as sensor alarm, motion detection alarm etc. It can switch to display video images of related alarm cameras automatically. User can click them to locate where the alarm be triggered out. And the corresponding names of camera will be displayed on screen.

-Support remote motion setup for PC-DVR

-Support multi-brand of IP cameras, such as Mobotix, Sony, Acti, Arecontvision, Vivotek and SanYo etc.

-Support playing back according to device name

-Support instant playback in 480 sec

-Support write log while alarm. User can search the record video in system

log

-Support display the video from alarm server automatically

-Support adjust the window split mode between Normal mode and Wide screen mode

-P/T/Z/F & speed demo control on keyboard

-Network support (Remote access via LAN, Ethernet, PSTN, ISDN, ADSL)

Important Information

For optimal performance of your system, it is important to follow these recommendations.

We recommend that you divide your hard disk into two partitions (E.g. C and D) at least. The first partition is used to install Windows OS and system software, the other for storing record files. Each partition should not be larger than 2.5TB.

Please use appropriate motherboard and display card. Contact your dealers or our support engineers if you have questions.

Recommended System Requirements

Chipset: Intel, 875PE, 915P, 945P, 965P

Motherboard: Intel: D915/945PCY, D865PERL

Asus: P4P800SE, P5P800 MSI: 865PE Neo2-F, 915/925/945;

Gigabit: GA-865GME, GA-945PL-G etc

Video Card: ATI Rodeon 9250 128MB, ATI Radeon 9550 128MB, ATI X500, X550, X700 etc;

Processor: Intel Pentium 4 2.4GHz or better

Memory: 512MB minimum

Chapter1 Startup and Main Interface

1.1 Introduction

When you want to mix your DG cards and NV cards on the same PC, you have to upgrade the DVR version. So you have to update NVR to the same version to avoid there are problems when enter remote setup.

1.1.1 Preparation

Now, you can install NVR on 64bit OS.

After NVR Client installed, user must assign space for recording, or, software can't record normally. Actually, system will run the disk management automatically before user runs NVR Client the first time. Also, user can run disk manager to assign space when you want.

However, you should input correct user name and password to get access to Disk management when manger disabled the disk manage right of some operators in *Right setup*.

Disk Drives	Total Size(M)	Free Space(M)	Allotted Data Packa	Residual Data Package	New Data Package	
C:\ (FAT32)	19992	5907	0	23	0	
D:\ (NTFS)	89996	87130	0	339	0	
E:\ (NTFS)	89996	78904	0	307	304	
F:\ (NTFS)	105246	85600	70	333	330	

For details, please refer to the particular manual in DVR server manual. In order to make NVR client run normally in windows 7 OS, please take note one of the following things must be done:

Activate "administrator" to do all the operations, such as install software, operate software, etc. The steps to activate are as below:

First, single-right-click "Computer" icon->Manage->Local Users and Groups->Users->Administrators->not to check "Account is disabled".

Computer Management A NUMBER OF THE PARTY OF THE PA File Action View Help 🗢 🔿 🛛 🔀 🔛 😹 🖬 🖬 A Computer Management (Loca Name Full Name Description Actions a 👔 System Tools Administrator administrator Built-in account for administering. Users Task Scheduler
 Event Viewer ? × Administrator Properties More Actions Shared Folders
 Shared Folders
 Local Users and Group General Member Of Profile Administrator Users Groups More Actions Administrator > (Performance Comparison of the performance
 Comparison of the performance
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 C administrator Full name: Description: Built-in account for administering the User must change password at next logor User cannot change password Password never expires Account is disabled Account is locked ou OK Cancel Apply Help

Then, switch user or log off to log in with Administrator.

Adjust UAC settings to "Never notify", shown in the below pictures:



User Accou	int Control help	ified about changes to your computer s prevent potentially harmful programs from making changes to your computer. ccount Control settings	
Always	notify		
	-	Never notify me when:	
		 Programs try to install software or make changes to my computer 	
		I make changes to Windows settings	
_			
<u> </u>		1 Not recommended. Choose this only if you need to use programs that are not certified for Windows 7 because they do not support User Account Control.	
Never	notify		
		🚱 OK Cancel	1

To 64 bit OS, you have to download and install two patches: KB978637 and KB976264. You should download them from MSDNAA manually. They can't be installed automatically when system updates.

1.1.2 Uninstallation

When you want to change this version to another one, you should uninstall it. Click Start \rightarrow All programs \rightarrow NVR_Client \rightarrow Uninstall NVR Client to uninstall NVR.



1.1.3 NV Series IPC Scan

Click Start \rightarrow All programs \rightarrow NVR_Client \rightarrow Insatll WinPcap_4_0_2 to install the NV series IPC scan tool.



Click Start \rightarrow All programs \rightarrow NVR_Client \rightarrow NV Series IPC Scan to scan NV series IP cameras connected in the LAN.



Device type, IP address, Port number, Device Serial No., mask, mac, channels, software version, DSP version and start time will be displayed in the search tool. You can modify the IP and port more conveniently when you click "modify" button on the right. You should enter password to confirm the modification. The default password is "12345".

ADP					
	Device type	IP address	Port number	Device Serial No.	Device Serial Number
001	SERIES	192.0.0.64	8000	DS6104HCI00200707	DS6104HC0020070824BCCH10
002	SERIES	192.0.7.15	8000	DS7104H0120071224	D36104HC0020070824BCCH10
003	SERIES	192.0.7.51	8000	DS7204H0120071130	version
004	SERIES	192.0.3.58	8000	DS6104HC-A0020070	VERSION
005	SERIES	192.0.2.57	8000	DS7204H0120070828	A CHOICIN
006	SERIES	192.0.7.202	8000	DS2-DF1-6130020070	subnet mask
007	SERIES	192.0.4.85	8000	DS6101HF002007072	255 . 255 . 248 . 0
008	SERIES	192.0.1.179	8000	DS2-DF1-6130020070	200 : 200 : 240 : 0
009	SERIES	192.0.7.23	8000	DS7204H0120070902	IP address
010	SERIES	192.0.7.39	8000	DS6104HC002007082	192 0 7 39
D11	SERIES	192.0.4.237	8000	DS6102HF-A0020071	
012	SERIES	192.0.7.2	8000	DS6804HC-A0020070	device port
013	SERIES	192.0.1.89	8000	DS6102HF002007101	
014	SERIES	192.0.7.243	8000	DS2-DF1-6130020071	8000
015	SERIES	192.0.3.59	8000	DS6101HF-A0020070	MAC Address
016	SERIES	192.0.3.214	8000	DS2CD852F00200712	
017	SERIES	192.0.3.211	8000	DS2CD852F00200707	00-40-36-35-d3-5b
018	SERIES	192.0.0.64	8000	DS2CD852F00200712	
019	SERIES	192.0.1.101	8000	DS6104HC002007032	please input password
020	SERIES	192.0.6.220	8000	DS7108H0120071226	
021	SERIES	192.0.7.200	8000	DS6104HCI-SD00200	
022	SERIES	192.0.3.57	8000	DS6104HC002007093	modify cancel save
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	DS6101HF002007111	Designed defends an opposite
026	SERIES	192.168.6.29	8000	DS2CD802PF002007(-Resume default password-
027	SERIES	192.0.7.253	8000	NVEC0402200708244	ОК
028	SERIES	192.0.4.98	8000	DS8016HC022007121	
029	SERIES	192.0.7.155	8000	DS7104H0120071217	L
• -					
					Exit

Note:

To DG series IPC scan, please refer to Add DG Series IP Device for details.

1.2 Start up

After correctly installed NVR Client software, the shortcut icon will be shown in windows desktop. Double click it to run NVR Client. Then, the main interface will appear as bellow:



1.3 Main Interface

1.3.1 Show Tips

When the mouse moves closely or stops above a button, a text tip will be shown to interpret its function immediately;

Zoom in/out video image: Left-Double-Click a camera window to zoom in/out video image;

Recording status:

- --The system is recording continuously;
- Image: -- The system is recording manually;
- In the system is recording in motion detection alarm;
- Image: -- The system is recording in event alarm.

1.3.2 Screen Menu

Normally, user can press TAB key or Page Down (select next camera window) and Page UP (select previous camera window) key on keyboard to select a window.

Users can Single-Right-Click image area (PC-DVR camera windows and IP camera windows) to popup the screen menu as below:

Full screen display	
Instant playback	۲
End playback	
Image Quality	۲
Frame rate	۲
Resolution	۲
IP Video Zoom in	
Switch to Sub Stream	
Audio Chat	
PC DVR Motion Setup	
Views Manual Adjust	
Device Abnormity Message	
About IP Register	
PC Decorder Function	۲

Full screen display: clicking the right mouse button will change display mode to full screen mode, click again to turn back.

Instant playback: if you have set "Instant playback max time" in the local setup, then you can use this shortcut function.

Note:

In the course of instant playback(for both of the compression card camera and the IP camera), you can press Space key to switch the play/pause status and direction key \rightarrow or \leftarrow to play next or previous frame.

End playback: to end playback.

Image quality, Frame rate, Resolution: for the cameras of PCDVR, you can adjust the Image quality, Frame rate and Resolution. This function is only available to PC-DVR that enabled sub stream in camera setup.

IP Video zoom in: zoom in IP video.

Switch to sub stream: the main / sub-channel switching. If you choose the sub-channel, the images will be poorer.

PC DVR Motion setup: Enter the motion setup remotely. It's only available for PC-DVR. For details, you can refer to the DVR user manual.

Views Manual/Auto Adjust: if you choose Views Auto Adjust when there is an alarm in E-map, software will adjust it's splits automatically to display the cameras with alarm. Otherwise, it will not change its splits even the alarm cameras are more than the windows.

Device abnormity message: When the server is abnormally shut down and restart, there will be a massage record. To know the details, you can view the remote log.

About IP register: Click this function, and the following information will be displayed-current version of this NVR client, the name and web site of our company, series number of the registered and unregistered device.

PC Decoder Function: Please refer to PC Decoder Manual for details.

Note:

Show prompt: When the mouse moves closely or stops over a button, the button function text prompt will be shown immediately.

1.3.3 Interface Description

Partition Mode

Press button to set display mode. There are many types of the partition, including 1, 4, 6, 9, 13, 16, 20, 25, 28, 33, 36, 40, 49 and 64 partitions. Select the appropriate display mode, in accordance with the actual number of connected video.

Image Capture

Press button to save a still image of a selected camera to local hard disk for reviewing or printing. It will ask you for file name and save path when you use or for the first time. Next time, it will save to the previous path directly.

Manual Record Switch

Press button to record manually and press it again to stop manual recording for the selected camera.

Information Panel



Date, time and display window information panel Information: Show day of the week, current date, current time, and the percentage of CPU usage, the current selected window, and the current linkage in this window.

Local Setup

button to enter Local Setup submenu. Press

Local Search



Remote Setup

Press button to enter <u>Remote Setup</u> submenu.

Remote Search

button to enter <u>Remote Search</u> submenu to search remote Press video/audio data.

Local Log



button to view all local actions of recording as well as Press operations.

	L	og Search
Time	Content	
15:57:16	adminWEB Server Listen Fail, Maybe web server port has engrossed by other ar	2009-07-03 星期五 09:28:48
15:57:17	adminClient Program Started	102 Camera04
16:03:28	adminLocal Setup	
16:03:31	adminWindow01 Connect OK	
16:03:31	adminWindow02 Connect OK	
16:03:32	adminWindow03 Connect OK	
6:03:32	adminWindow04 Connect OK	
6:03:32	adminWindow05 Connect OK	
6:03:33	adminWindow06 Connect OK	
6:03:49	adminWindow06 Connect Interrupt	
6:03:51	adminWindow06 Connect OK	
6:04:01	adminWindow06 Connect Interrupt	and a set the
6:04:01	adminWindow06 Connect OK	
6:04:08	adminWindow06 Connect Interrupt	
6:04:08	adminWindow06 Connect OK	
6:09:13	adminWindow01 Connect Interrupt	
6:09:13	adminWindow02 Connect Interrupt	
6:09:13	adminWindow03 Connect Interrupt	
6:09:13	adminWindow04 Connect Interrupt	
6:09:14	adminWindow05 Connect Interrupt	
	adminWindow06 Connect Interrupt	
	adminWindow01 Connect OK	
	adminWindow02 Connect OK	
	adminWindow03 Connect OK	100 March 100 Ma
	adminWindow04 Connect OK	
	adminWindow05 Connect OK	
	adminWindow06 Connect OK	
	adminWindow06 Connect Interrupt	Select Date 2009- 7- 3
	adminWindow05 Connect Interrupt	
	adminWindow05 Connect OK	From 0:00:00 🕂 To 23:59:59 🛟 Search
	adminEnter local playback	
6:21:50	adminLook System Log	
		Filter Parameters All
100		
\$	2	
1/1P	age 1 🚖 Go <back next=""></back>	Exit



Local system log keeps a record of system events such as local operation, local prompt, local system alarm and DVR device alarm according to time and date. Users can search log by date, time and system parameters.

When there is a motion alarm triggered out, user can view its record on the right top of this interface. But you should confirm you have enabled "write log while alarm" in <u>Local System Setup</u> first. Besides, if the motion alarm lasts only for a short time, there may be no picture record in system log.

Remote Log

Press button to search log from a long distance server that you have connected. You can see information of the server and you don't need to get to the server site.

Note:

Remote log is only available to PC-DVR.

Remote Chat

Press button to make a voice chatting. Voice over IP, it Initiates dialog to connect to a remote client or Server for purposes of live chat. Click it to have remote chat with the connected server. Sound card with microphone input must be used. If there is no sound card on either side, the chat will not be carried on.

192.168.0.119 192.168.0.119	
107.169.0.110	
192,100.0.119	
192.168.0.3	

Select a server from dropdown list to make remote chat. If connect successfully, there will be a dialog:



System Lock

After you enabled Use Password Management in Right setup, press button to lock system-Locks keyboard and mouse to prevent unauthorized user to operate NVR Client system. Left-Single-Click this button to acquire the operation rights by entering the user and password. Default user ID is "admin", no password.

View Record Status

Single-right-click on a server name in "List Connect" so that you can view its record status. This function is only available to PC-DVR. And your PC-DVR should be the same version of your NVR. Otherwise, you will get an error says "The IP device doesn't support this function".

Remote Search
Remote Setup
Remote Chat
View Remote log
Device Record Status

The record status will be shown as below:

Disk Drive	Disk Usage	Record Status	Record Start Time	Record End Time	Disk Defect
Drive: E	%100	Recorded	2010-10-08 12:09:22	2010-10-08 12:53:32	Normal
Drive: H	%100	Recorded	2010-10-05 20:02:52	2010-10-06 16:55:13	Normal
Drive: I	%100	Recording	2010-10-08 16:56:41	2010-10-12 14:43:43	Normal

Minimize Button

Press button to minimize the main window (or press WIN + Z on keyboard).

Exit Program



After clicking this button, a dialog as below will be displayed. Click "OK" to quit DVR system.



1.3.4 Connection Group

Press Group Connect to enter connection group setup. This panel displays the information of groups and cameras.

There are 18 preset groups and you can choose any one group to connect.

There are 64 windows and you can also click **Con.ALL** to connect all of them and click **Dis.ALL** to disconnect all. The shade of icon will show the status of window:

Window 1 connects.

Window 10 disconnects.

1.3.5 Connection List

List

Press List Connect

button to show all the equipments you have

added in this client.





Double click one camera and it will be connected in a selected window. Also, you can drag it to display in any window you want.

Quick Operations

There will be a menu shown as below if you Single-Right-Click on the sever name.



(1). Remote Search

Please refer to Chapter 5 for details.

(2). Remote Setup

Please refer to Chapter 4 for details.

(3). Remote Chat

Please refer to Page 11 for details.

(4). View Remote Log

Please refer to Page 16 for details

(5). Device Record Status

Select this item to view the record status of PC-DVR.

Please note this function is only available to PC-DVR and the PC-DVR should be the same version of your NVR. Otherwise, you will get an error says "The IP device doesn't support this function".

Disk Drive	Disk Usage	Record Status	Record Start Time	Record End Time	Disk Defect
Drive: E Drive: H	%100 %100	Recorded Recorded	2010-10-08 12:09:22 2010-10-05 20:02:52	2010-10-08 12:53:32 2010-10-06 16:55:13	Normal Normal
Drive: I	%100 %100	Recording	2010-10-05 20.02.52 2010-10-08 16:56:41	2010-10-06 16:55:15 2010-10-12 14:43:43	Normal

1.3.6 PTZ Control Panel

Press

PTZ Control button to control PTZ.



PTZ Speed Setup

Press and drag the slider bar to adjust the speed of PTZ.

Relay (On/Off)

Control the PTZ cameras internal relay (relay1) or the decoder's relay (relay 1). Used to turn on a light or control an access gate.

Wiper (On/Off)

If using the PTZ cameras corresponding wiper control relay, this toggles the relay/wiper on and off.

Zoom + / Zoom –

Control the zoom function of the PTZ camera.

Focus + / Focus -

Overrides the auto-focus setting of the PTZ camera, adjust focus the image.

Iris + / Iris –

Overrides the PTZ cameras auto-iris and brighten or darken the image.



Pressing this button initiates the connected PTZ camera to do an automatic tour of 360, but for speed dome, many PTZ factories forbid this command.

By pressing and holding these buttons, the PTZ camera will move up, down, right and left as well as other directions.

Preset Call

Press Preset Call button to operate the speed dome, including Preset Setup, Preset Call and Preset Tour.

(1). Preset Setup

In this screen you can set the preset position:

102 Camera01
Add/Del. Preset
Preset Name Preset No. Call Mode 1 Call Preset Preset Name NO. asad 3 qa 1 xdssd 2
No PTZ action 15 👻 sec back
Home Position
Tour Preset TourGroup1 💽
PresetName asad Stay Time 5 sec Preset Name NO. Time asad 3 5 qa 1 5 xdssd 2 13
SAVE

I. Add/Delete preset

In this section you can set the preset name with its sequence number. Then you can press +/- button to add/delete a preset. When you want to modify the preset, you can press **set** button to confirm your modification. For different cameras, they have different commands to open and set, so you can choose the call mode in the drop-down list for different cameras.

II. Home position

You can set a home position for the PTZ. When there are no PTZ actions after the setting time system will call the PTZ to the home position.

III. Tour preset

In this section you can set the tour schedule. First you can choose a group, and then set the track for this schedule; you can press +/- button to add/delete a preset to it. After you choose the preset name you can set the time to keep on.

(2). Preset call

When you select this function, system will show all the preset names you set in Preset Setup menu; you can click one to move to it.

(3). Preset Tour

When you select this function, system will show the entire tour groups you set in Preset Setup menu; you can click one to execute it.

Note:

In the NVR system, clicking the tour groups again can not stop the preset tour (this is different from DVR server). You can stop the PTZ camera by click up, down, left, right or click the "preset call".

If the views are NV series PTZ&IP camera and mega pixel IP camera, when you call preset 95, you can see:





When you enter the menu, you can control it by

using up,

down, left and right buttons. Press **IRIS** - to enter the sub menu. When you use up or down to move to "exit", press IRIS- to exit the menu.

For details, please refer to Chapter 4 in Network_Camera_Menu for details.

Control PTZ via Video Window

Press and drag the mouse to the corresponding area to control the PTZ when there is a decoder.

1.3.7 Color/Audio Adjustment

Press Color/Audio Adjust button to enter Color/Audio Adjust Panel-Slider adjustments for the video image and recording volume of the selected tile. This also affects the live view of the video images.



(1) Press the first button and drag to adjust the brightness of the image that you selected, and you can resume its default value by pressing \mathbb{R} .

2Press the second button and drag it to adjust the contrast of the image that you selected and you can resume its default value by pressing \blacksquare .

③Press the third button and drag it to adjust the hue of the image that you

selected, and you can resume its default value by pressing

④ Press the fourth button and drag it to adjust the saturation of the image that you selected, and you can resume its default value by pressing.

⑤Press the fifth button to switch sound of the audio that related to the image you selected and drag the slider bar to adjust the volume.

1.3.8 DI/DO Control



Note:

The channel of DI and DO is determined by the connected server.

DI Control

The DI number will show the alarm status of the corresponding server indicated by the shades of the icon:

3 Channel 3 doesn't check sensor forcibly.

2 Input channel 2 checks sensor forcibly.

1 Channel 1 has a sensor alarm input.

When there is no alarm yet, user can press number button to check sensor forcibly. Press the button again to stop to check all time, then system check sensor according to Sensor setup. When there is an alarm, the corresponding button will show the alarm with green.

DO Control

Press number to open/close alarm device relay switch manually. There are two types of status to DO:

2 Output channel 2 is close.

1 Output channel 1 is open.

When there is no alarm triggered out, user can press the number button to output alarm forcibly and the button will show it with green, press it again the output will be closed.

Chapter2 Local Setup

2.1 System Setup

Click button to enter this window:

5				SYSTEM SETUP			
Max. F	ecord channels	13	-	Displ	ay Resolution	Auto 💌	
Ne	twork listen port	5300		Wel	b Listen Port	80	
	Jse electron map	Disable Strete	hed	▼ Use	e Matrix Card	Disable	▼ Setup
Connect Ser	ver While Alarm	Disable	-	Data Strea	m Auto Adjust	Disable	•
Write L	og While Alarm	Disable	-	Software Start	Auto Connect	Connection Group 01	•
Instant Pla	yback max time	Disable	-	Auto Reconnect	t Time Interval	30 sec	•
Keyboar	rd Use COM Port	<u> </u>	•		Language	English 💌	
W	indow Split Mode	Normal Mode	-	Grab P	Picture Save to	D:\Grab	
PC D	ecoder Function	Enable	•	PDA	A Connect Port	5101	
IP Alias	IP Address	Disp.		NNECT SERVER INFO	Cameras	Use DNS?	
192.168.0.9 192.168.0.3	192.168.0.9 192.168.0.3	8000 8000		NV Series IP/EMDVR NV Series IP/EMDVR	1 16	no no	
							Add
							DELEVE

[Import]

Select this function to export system configurations.

[Export]

Select this function to import system configurations.

2.1.1 System Setup

[Max. Record Channels] Set the max record channels. The max number is 64. You can't record if you disabled it. Take16 as an example:

Мах	Record channels	Disable	-	Disr	lay Resolution	Auto 👻		
	Network listen port	12 13	^		b Listen Port			
	Use electron map	14 15	_	▼ Us	e Matrix Carc	Disable	▼ Se	tup
Connect S	erver While Alarm	16 17		 Data Strea	am Auto Adjust	Disable	-	
Write		18 19	~	Software Star	t Auto Connect	Disable	•	
Instant F		Disable	•	Auto Reconne	ct Time Interva	60 sec	•	
Keybo	oard Use COM Port	, 	•		Language	English 👻	_	
	Window Split Mode	Normal Mod		Grah	Picture Save to			
	window apiit would							
					A Connect Por	t 5101		
	Decoder Function		•		A Connect Por	t 5101		
			•		A Connect Por	t 5101		
		Disable	•	PD	A Connect Por	t 5101 Use DNS?		
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		
PC IPAlias	Decoder Function	Disable	CC sp. Port	PD	Cameras	Use DNS?		
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		Add
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		Add
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		Add
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		
PC IPAlias 192.168.0.102	Decoder Function	Disable	CC sp. Port 00	PD INNECT SERVER INFO Device Type PC DVR	Cameras 5	Use DNS? no		Modify

Then you can set the window 1 to 16 in the Record Set to record.

[Default Connect Stream Type] Select the stream type as default.

【Display Resolution】 Choose the resolution for preview. You can choose from "Auto, 1024*768, 1280*768, 1280*1024, 1366*768, 1440*900, 1600*900, 1680*1050 and 1920*1080". When you select "auto", the software will adjust its resolution in accordance with the resolution of the screen automatically.

[Network Listen port] The alarm port to connect the client. Set in server.

[Web Listen port] The IE client connect port. (Restart NVR Client software after this item is setup).

【Use electronic map】 Select be disable or enable to use the electronic map. At the same time, you should choose the mode from stretched and extended. Please refer to <u>E-Map Function</u> for details.

【Connect server while alarm】 Enable: If there is an alarm in DVR server end, the client will connect the DVR server forwardly.

[Write log while alarm] Select whether system writes alarm information log or not. There will be alarm information and corresponding record in <u>Local</u> <u>System Log</u> when you select enable.

[Default connect stream type] Choose the "main stream" or "sub stream" by your own need. The data stream of main stream is much bigger than the sub stream, but the Image quality is better.

[Instant playback max time] Set the instant playback max time or disable the function. If you select "480sec" then you can use "Instant playback" in the main interface as bellow:



【Data stream Auto adjust】1,1-4,1-6,1-9,1-13,1-16View->Main Stream. When you select one, all the view less than you select will switch to main stream. For example, if you select "1-9View->Main Stream", so that window 1 to 9 will switch to main stream.

【Use Matrix card 】 If you want to use matrix and decode card, select work mode from D1 decode mode or CIF decode mode first, and then click "setup" to set it.

Note:

Each NV4002MD card can decode 2 channels D1 or 4channels CIF. Each NV4004MD card can decode 4 channels D1 or 8 channels CIF. Decoder will send out corresponding channels from the first window in sequence.

vatrix/Decode Card TV Output S	Setup		
TV Output Port TVOut 1	•		
T∨ Output type PAL	•	1 2	
TV Output View Mode 4View	•	3 4	
Window Index of T∨ Port Window1	•		
Decode channel Index in window			
1 2 3 4 5 6 7 8			
TVOut 1: 4 View : 1,2, TVOut 2: 4 View : ,			<u> </u>
TVOut 3: 9 View :			
TVOut 4: 0 View :			
		0.11/5	EVIT

User can set each output port individually.

[TV output port] Select decoder card output port.

[TV output View Mode] Set the split mode for selected port.

[Window index of TV port] Select the index for each split window.

Example:

1	2	
3	4	

 3^{4} This icon has four windows: window1, window2, window3, window4.

[Decode channel Index in window]

```
Decode channel Index in window
```

Select window index for the selected window. Each window can only select one decode channel. The number of decode channel will be shown automatically according to the channels of the decode card. For example, if there is one NV4004MD card, it will show 8 decode channels (CIF); if there are two NV4004MD cards, it will show 16 decode channels (CIF); if there is one 4002MD card, there are 4 decode channels (CIF) only.

TVOut 2 TVOut 3	4 View : 9 View :	1.2	show the have been selected decode 🖂 channel of the each output port.
becode out	putport	split mode	*

This figure shows the decode channel have been selected, in order that user can't select the decoder repeatedly.

Note:

If use "CIF decode mode", and there is no preview video appear in the NVR client main interface. The reason is that the resolution setup is too high in DVR Server end. For example: D1. Please restart NVR Client software after this item setup.

[Software Start Auto Connect] Select the group set in Group setup to be re-connected when NVR start. When you select "Disable", Client will not connect the group automatically.

[Auto Reconnect time interval] Select whether the client reconnect when the connection is interrupted and the time interval. If you select "Disable", when the connection is interrupted, program will not reconnect it.

If you select the "Auto Reconnect Time Interval" function, when the software is disconnected, the software will reconnect automatically after the setting time.

[Keyboard use COM port] Select a COM port for keyboard to connect. Please refer to Keyboard Manual for details.

[Grab picture save to] Fill in the save path that you want your captured pictures to be saved to.

[Language] Show the current language. You can change when there is another language pack.

[Window Split Mode] Select window split mode for NVR between "Normal Mode" and "Wide Screen". You would better select "Wide Screen" when you are using wide screen monitor. You should re-select the view window number to refresh the window split mode status.

【PC Decoder Function】 Select "Enable" so that you can use PC decoder function later. It will be described in details in PC Decoder Manual.

【PDA Connect Port】 The port is for PDA connection. Blackberry and iPhone etc are supported. When connect a mobile client to NVR, all severs connected in NVR will listed in your mobile. Select one from the list to view or operate.



Please refer to DVR User Manual for details about mobile client.

2.1.2 Add/Modify Server

IP Alias	IP Address	Disp. Port	Device Type	Cameras	Use DNS?	
192.168.0.102	192.168.0.102	5100	PCDVR	5	no	
192.168.0.63	192.168.0.63	8000	NV Series IPC/EMDVR	1	no	
192.168.0.101	192.168.0.101	6000	ACTi Series IP	1	no	
192.168.0.3	192.168.0.3	8000	NV Series IPC/EMDVR	8	no	
192.168.0.240	192.168.0.240	3000	DG Series IPC	1	no	Add
						Modify
						Modily
						DELET

[Add server] Press Add button to add a new server in this system.

When there are some problems, add will be failure. For example: network problem or this server isn't running.

dd/Modify Server Information	
Server Name 192.168.0.109	Device Type Dahua Series IP 💌
IP Address 192.168.0.109	Default Stream Type Main Stream
Connect Port 8000	IF Use Dns to Get IP no 🔽
Login User ID admin	Dns Server IP
Login Pass	Dns Server Port 7071
Motion Alarm Play wav file	Test
Sensor Alarm Play wav file	Test
	OK

[Server Name] Input a name for server which is easy to identify.

[Device Type] Select the device type you will add. This client system can connect PC-DVR (DVR Server system), DVS and EM-DVR. Now the system supports the following types of device: PC DVR, NV Series IP/EMDVR, DG 42XX/50XX EMDVR, DG 80XX/90XX EMDVR, DG Series IPC, Dahua Series IP, Sony SNC110/160, ACTi Series IP, Huviron Series IP, Mobotix M12 Series IP, ArecontVision IP, Camtron Series IPC, Axis Series IPC, Vivotek Series IPC and SanYo Series IPC.

Note:

All cameras support onvif can also be supported by our software. You can add them to our software as normal IP cameras. The only difference is you have to select ONVIF IPC as the device name.

[Default Stream Type] Select main stream or sub stream for current camera.

[IP Address] Fill in the IP address of the connecting device.

[Connect Port] Set the port through which connects to DVR Server. Fill in the connection port here with the server-side configuration setting the same as the remote access port. The default port of PC-DVR is 5100, DVS and EMDVR are 8000. When user changes the "Device type", the system will automatically change the connect port.

【Login user ID/Login Pass】 If server has enabled right management, login user ID and password will be checked when the client visits the server. If the user has no right to visit that server, connect will be cut down automatically.

[If use DNS to get IP] Select whether use DNS to get IP or not. If the server end is the dynamic IP address, users need use DNS to get the server's IP.

[DNS Server IP] Set IP address of DNS server host.

[DNS Server Port] DNS server host's port, which is provide to connect DNS software.

[Modify server] Press button to modify server information, its interface is same as Add Connected Server.

[Delete connected server] Press DELETE button to delete a connected server.

【Get camera information】 Press GetCamera button to get the latest camera information of Server end when it changes its setups such as number of channels, camera name etc.

[Motion Alarm Play Wave File] Select the wave file which the motion alarm plays.

[Sensor Alarm Play Wave File] Select the wave file which the sensor alarm plays.

Note:

When you finish each setup you should save your changes by pressing save button before you exit setup.

2.2 Group Setup

Click **Groupset** button to enter the following window:
Vindow	Server Name	Camera	Frame Rate	Stream Type
Window1	192,168.0,102	1	- Automatic	Sub Stream
Window2	192.168.0.102	2	Automatic	Main Stream
Window3	192.168.0.102	3	Automatic	Main Stream
vindow4	192.168.0.102	4	Automatic	Main Stream
/indow5	4	1	Automatic	Main Stream
/indow6	4	2	Automatic	Main Stream
/indow7	4	3	Automatic	Main Stream
vindow8	4	4	Automatic	Main Stream
Vindow9	none		Automatic	Main Stream
Vindow10	none		Automatic	Main Stream
vindow11	none		Automatic	Main Stream
/indow12	none		Automatic	Main Stream
vindow13	none		Automatic	Main Stream
vindow14			Automatic	Main Stream
vindow15			Automatic	Main Stream
/indow16			Automatic	Main Stream
indow13 indow14 indow15			Automatic Automatic Automatic	Main Stree Main Stree Main Stree

Choose a group from drop-down list first. There are 32 groups. In every group, you can set 64 connections. Also, you can select the partition for every group from the drop-down list behind "Partition Mode". Then you can set group as follows:

[Server Name] Select the server in which the camera will be selected to show. If there is no sever in the dropdown list, you need to add server in the "Server IP" page.

[Camera] Select the camera of the server set in "server name" to be connected in one window. You can set one or more camera's connection. If more than one cameras are shown in one window, you can set cycle interval

time. You can switch them by pressing button Stop Cycle or Restore Cycle in Main interface.

Window	Server Name	Camera	Camera01	Type
Windowi	192.168.0.102	1	✓ Damera02	ream
Window2	192.168.0.102	2	Camera03	tream
Window3	192.168.0.102	3	Came:a04	tream
Window4	192.168.0.102	4		tream
Window5	4	1		tream
Window6	4	2		tream
Window7	4	3		tream
Window8	4	4		tream
Window9	none			tream
Window10	none			tream
Window11	none			tream
Window12	none			tream
Window13	none			tream
Window14	2.001.00			tream
Window15				tream
Window16				tream
			Auto-Cycle interval(Sec.) 5	_

[Frame Rate] There are three options: Real time, Automatic and 1fps.

①Real time: If it's selected, server will send all compacted information to client. When the client gets this information, it will play it. The continuality is good in this way but it consumes too much CPU space. If there is no information losing when compacting and sending, the playing will be real-time.

2 Automatic: Its difference from Real-time is that when the client gets the information, it will cut some information and then play it. It consumes less CPU space. But if you click any cameras, system will adjust frame rate to Real-time automatically.

③1fps: It means to break down the information in server. Only one frame of important information is sent to the client every second. It consumes little CPU space and network. And if you click any cameras, system will adjust frame rate to Real-time automatically when there is enough network space. (This selection is only effective on PC-DVR).

[Stream Type] Select the stream type main stream or sub stream for the current camera.

2.3 Record Setup

Click RecordSet to enter the record setup interface:

Window Record Plan	
Select Window window 1 Copy Record Plan to All window	w copy
Normal Record Sensor Record Motion Record Sensor Record	Not Record
0 11 2 3 4 5 6 7 8 9 10 11 13 14 18	

[Select Window] Select the window you want to set.

[Record type] Set the type of record, including Normal record, Sensor record, Motion record, Motion or Sensor record and Not record. You can set record type as follows:

Firstly, press the type button that you want to set; then select the record time by press the grid (delegate half an hour in a day) or left-click mouse and drag for an area. If you want to set same record status every half hour every day, you may double-click the left up of the chart.

When you finished the setup, the grid will display the corresponding color of the record type.

Green: Normal Record.

Red: Sensor Record.

Blue: Motion Record.

Yellow: Motion or Sensor Record

Gray: Not Record.

[Copy record plan to] Copy the setup of this window to any other window or all windows.

2.4 Right Setup

Click Right Set button to set user right:

Use Password Enable	-	Auto Lock Time	3 minutes 👻
User Name user Auth.Level operator Password Confirm Password	New User Modify Delete	UserName admin user	Auth. Level Manager operator
🗹 Local Setup	RIGHT SETUP		/iew Local Log
🔽 Local Manual Record	💽 Color Adjust	V	/iew Remote Log
💌 Remote Setup	🗹 Remote Playback	V L	.ocal List Connect
	🛃 Program Minimize	I	.ocal Group Connect

2.4.1 User Setup

[Add/Del User] Click "New User" to add user for the Client, after that you can modify the right for the user to be added.

[Use Password] select a solution to determine if enable user password validation. When you select enable, when user login, password will be checked.

[User Name] Input new User ID in this box when adding a new user to system. When you select "admin" in the right frame, this selection is unavailable.

[Password] Set new user or a selected user's password.

[Auth. Level] Select user type. When you select admin in the right frame, this selection is unavailable.

[Confirm password] Confirm password again.

2.4.2 Right Setup

You can set user management in this window after you input user name and password and you will have corresponding rights with your ID. Choose a user and distribute corresponding rights.

RIGHT SETUP						
💽 Local Setup	🛃 Local Playback	🛃 View Local Log				
🗹 Local Manual Record	🔽 Color Adjust	📝 View Remote Log				
Z Remote Setup	🔽 Remote Playback	🛃 Local List Connect				
🔽 Exit Program	💽 Program Minimize	💽 Local Group Connec				
📃 Disk Management						

When manager doesn't want some operators to manage disk, he should not check this right for those users. For example, "admin" doesn't want "user" to own the right, he should select "user" first, and click "Modify", and then, check the "V" in front of "Disk Management".

After you set, you should click **Save** to save the information.

Chapter3 Local Search

3.1 Main Interface





3.2 Steps of Playback

3.2.1 Select Date

Select one window (the 1st one in default), and then click button to show the date.

The blue dates contain recorded data. The green date is the current date. The gray dates signify no data. Only those blue ones and green ones can be selected and when they are selected the camera window will appear automatically to show which cameras contain record data.

YEAR 2010 · · · MONTH 1 · · Today: Jan 25,2010 양 전 문 전 문 포 옥 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Filter By Device Name	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	16:11:47-16:16:30 16:16:28-16:21:18 16:21:16-16:25:58 16:25:55-16:30:38 16:30:35-16:35:18 16:39:55-16:44:36 16:44:34-16:49:16 16:53:54-16:58:36 16:58:34-17:03:16 17:03:14-17:07:56 17:12:33-17:17:16
Filter By Device Name	61 62 63 64 Synchro	

Click <a>Image or <a>Image to change month and year to search data.

3.2.2 Select Record Type

11:59:56 11:	:15 11:20	11:25	11:30	11:35	11:40	11:45	11:50	11:55	12:00
CAM01									
CAM02 CAM03									<u> </u>
CAM03									-+
+	→ Q @		🕂 All RE	ic 🔤	Motion	S S	ensor	Manual	

Press the icon before "Motion" when you want to playback motion recording. Others are the same.

When there is no record data of the selected record type, the below picture will be shown.

11	:54:57	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	CAM01																									
	CAM02	2																								_
	CAM03																									$-\Pi$
	CAM04																									
	+	Ŀ	•	ৃ		Ð				A	II RE	C			Moti	on			Se	nsor			M	lanua	al	

3.2.3 Select Channel

After selected the date system will show the camera state of corresponding day, or click button directly to show the cameras state of

the selected day. The number button with navy blue means this channel has record data. By pressing it directly on the numerical panel, DVR system will play back recorded data from the first file.

3.2.4 Select File

After selecting the camera to play, user can click with button to show all the files of this camera.

By default, system will play back video file from the first one. In this screen you can select the file you want to play by clicking it directly.

The camera list below the window shows the recorded data of the day you select. Double click any time with record data, a red mark will be there. Then

use to enlarge the time bar, so that you can select an exact time you want to playback.

10:30:45 10:30	10:45	11:00	11:15	11:30	11:45	12:00
CAM01						
CAM02						
CAM03						
CAM04						
+ +	9	All REC			Manual	

When there are too much record data, you can use to select.

Press or **!** to view the record data of other cameras.

The red bar shows the exact time which system is playing back now.

Note:

When you check Filter by Device Name in Date Select panel, there will be a server list in Camera Select panel. Select one server to search its record

data. Also, user can click with button to show all the files of this camera.

YEAR 2010	12345 6 7 8 9 10 11 12
MONTH 1	13 14 15 16 17 18
Today: Jan 25,2010	19 20 21 22 23 24
	25 26 27 28 29 30
SAT FRI THU TUE SUN	31 32 33 34 35 36
1 2	37 38 39 40 41 42
3 4 5 6 7 8 9	43 44 45 46 47 48
10 11 12 13 14 15 16	49 50 51 52 53 54
17 18 19 20 21 22 23	55 56 57 58 59 60
24 25 26 27 28 29 30	61 62 63 64
31	
Filter By Device Name	Synchro
	103 💌
	103
	102 9

3.3 Play File and Related Operations

3.3.1 Explanations of Buttons

Synchro Click this button to synchronize all playback channels.

Last frame, Start, Pause, Stop and Next frame.

First frame of that day, previous minute, Next minute and

Last frame of that day.

Image zoom in: Press this button and draw a red frame on the video, then, the part in the frame will be enlarged. You can single-right-click on the image to resume.

Adjust the voice: click the button to clear the voice.

Adjust playing speed: click the button to resume normal play speed.

Press to select partition mode, there are 1, 4, 9 and 16 partitions modes. User can playback only 16 channels simultaneously. When the

connected channels exceed the limit, system will popup information to indicate it.

Press button to open all playback windows in turns according to the order of the cameras.

Note:

If you press this button as soon as you enter the playback interface, all the cameras will be played back from the beginning of this day when there is record data. For example, there is record data from 8:00 AM to all cameras, then, they will be played back from 8:00 AM. If you select a point of time on the time bar and then press this button, then, all the cameras will be played back from that time.



button to close all playback windows.

Note:

It is not suggested that multi-channel (more than 10 channels) record and playback coinstantaneous unless your PC has a wonderful configuration, because the data throughput of HDD is huge. Multi-channel search in client and server are the same except their paths. In client, there are local and LAN search. In LAN search, it searches among the record data in the local network of server.

3.3.2 Capture Pictures

Click capture button is to capture a display picture. When one is captured, there will be a dialog for you to change the file name. After you press confirmation, system will save the picture in default path.

Note:

The size of the image is that of the playing window.

3.3.3 Search Captured Pictures

Click for enter the search window:



Select Pictures

You can select a captured picture from directory list and file list in local disk. After you select the path the file name will be shown on the top of the window.

 ☐ d: [] ☐ DA ☐ Grab ☐ CH01 ☐ CH02 ☐ CH02 ☐ CH04 ☐ CH08 ☐ chenadu 	Search_Ch01-20050715-083849.bmp Search_Ch02-20050715-083857.bmp Search_Ch03-20050715-083854.bmp Search_Ch03-20050715-083905.bmp Search_Ch03-20050715-083903.bmp Search_Ch04-20050715-083903.bmp
\Grab\Search_Ch03-20050715-08	3854.bmp

Note:

The figure as above shows the name and path of current picture. If you want to save the reworked picture in another file, you can change its name and

path here, with bmp and jpg as suffix. Then click the button

Related Operations

D

After you edit the picture you can save the picture in a save path

as you like.

😪 💽 📧 🚺 🚺 🚺 Function buttons of picture disposal.

When the result of disposal is not good click it to resume to the

default.

Print picture, when the image is wider than 400 pixels, it will be printed smaller. On the other hand, it will be printed bigger.

Ð

When it's bright, with the mouse moving, part of the picture will be enlarged.

Delete current file or delete all files.

3.4 Backup



, there are four items to be selected.

Create video file clip Backup record by time View backup video file Burn video file to DVD/CD

3.4.1 Create File Clip

Press Create video file clip to create file clip.



Select Channel and Path

Select channel and path of the backup file on the top of interface.

File List and Attribute

Select a file and double-click it to play and its attribute will display below the list, including begin time, end time, file size, resolution, frame rate etc.

File List	
0:00:01 - 0:00:30	
0:00:28 - 0:02:54	
0:02:56 - 0:03:12	
0:03:10 - 0:03:30	
0:03:29 - 0:08:40	
0:08:38 - 0:11:06	
0:11:06 - 0:11:44	
0:11:43 - 0:19:18	
0:19:20 - 0:19:36	
0:19:34-0:19:56	
0:19:54 - 0:25:04	
0:25:02 - 0:27:30	
0:27:32 - 0:27:50	_1
0.97.48 - 0.35.49	•

Flle Attribute
Begin Time : 2005-7-28 9:05:48
End Time: 2005-7-28 9:09:14
File Size: 9.35 MB
Frame Rate: 25 fps
Resolution: 352*288
Record Type: Motion record
Clip Size :

Play File and Related Operations

(1). Play Control



play time.

(2). Beginning and Stop Time Setup

to set the beginning time and end time of the file, the file Press attribute on the left will show the size of the file.

(3). Save File

Press for ensure the beginning and end of the file, click it to save the file.

(4). Voice Control



Click ot control voice, press it to clear voice.

3.4.2 Backup by Time

Press Backup record by time to backup by time.

BACKUP			
Save Path: D:_Ba		Camera01	^
Select Begin Time: 03.02.20	009 💌 5:06:13	Camera02	
Select End Time: 03.02.20	009 💌 8:06:13	Camera05	
Backup Data Size: 299Mb		Camera07	
		Camera09 Camera10	
		Camera11 Camera12	
		Camera14	
		Camera16	
		Camera18	
		Camera20	~
Check Backu	D		Exit
Check			

Save Path

Select path for the backup file, user can backup record file to CD.

Backup Camera

Select the backup camera. User can select more than one cameras at a time.

Select Begin/End Time

Select the backup files' begin time and end time.

Backup Data Size

Show the size of the backup file. If user backups record file to CD directly, the data size should not be more than 650M.

Note:

If user backup record files to CD directly, the system disk volume's(C volume in general) free space should not less than twice of the backup data size. Because system volume will be used buffer area when burn CD. For example, if the backup data size is 450M, so, the system volume's free space should be more than 900M.

The process of burning CD:

Select CD-ROM as the backup path, and select the camera and time;

Check the backup file value;

Backup the file to the temporary file in the last volume if there is enough free space, otherwise, write backup file to the last second volume;

Write back up file to buffer;

Write CD;

Make Buffer Information:	79567 extents written (155 MB)I
Make Buffer Progress:	
Burn CD Information:	cdrecord: Continuing in 5 secondsI
Burn CD Progress:	

Delete buffer and temporary file.

3.4.3 View Backup File

Press View backup video file to view backup file.

Select Channel and Path

Select channel and path of the backup file in local disk on the top of interface.



Play File and Related Operations

(1). Play File and Control

Select one from File List and double click it, this file will be played. The united file is named by "date + begin time" and "date + end time".

(2). Capture Picture

Press witton to capture a picture.

3.4.4 Burn Video File to DVD/CD

ress 🔟 button to b	urn CD.	
Select Burn CD File		Burn CD Drive: 101) CDWRITER IDE5224
D∆		Volume Label: 20060818 (4)
1		☎ 0817131644-0817132644-No1.mp4 (67519336) ☎ agudi □ agudi □ 42616956
2	Add All	3
	Del File	a][b]
		Total File Size: 105 MByte
	Burn CD	EXIT

Area ①: File directory.

Area 2: File list.

Area ③: The File directory and list of will be burned to CD.

Icon ④: Create a new directory in area ③.

Add AIT: Add all the files from area (2) to area (3).

Add File : Add selected file from area (2) to area (3).

Del File : Delete selected file from area ③.

[Burn CD drive] Select CD-ROM driver.

[Volume label] Set the CD's label.

[Total file size] Show the size of all files will be burned to CD.

Burrcod: When you finish your setup, click this button to write file to CD.

Chapter4 Remote Setup

Click

button to enter remote setup.

192.168.0.1	10	
	19	•
192.168.0.1	19	40- 4 1
192.168.0.3		

Select one server to set from the server list.

Remote setup for PC-DVR is mostly the same as Local setup in DVR server manual.

The remote setup interface of NV Series IP cameras is as below:

Server Channel	PTZ Sensor	Alarm Setup	
Server Name	Embedded IP CAMERA	User name	admin
Server IP	192.168.0.8	User Pass	*****
Listen Port	8000	DNS Server IP	
Subnet Mask	255.255.255.0	Remote Manage IP	
Net Gate		Remote Manage Port	0
Net Cable Type	10M/100M(5 cable) 🔻	Physical address	00:40:3f:bf:5c:03
Use PPPOE		Software Ver.	V2.0 build 090505
PPPOE Login Name		DSP software Ver.	V4.0 build 080616
PPPOE Login Pass		Hardware Ver.	0×0
PPPOE IP		Format SD Card	
			Format
			ronnar
(Upgrade Restart	Time Adjust Save	Exit

For DG Series EM-DVR, the interfaces are not exactly the same as NV Series. Remote setup for DG Series EM-DVR includes Server, Channel, Record, PTZ, Sensor, Alarm and User. But the ways of set are nearly the same.

	-	Current Login	
Server Name	172	Server Type	5008HC-G
Channel Total Num	8	HardDisk Num	1
Alarm Input Num	8	Alarm Output Num	4
Serial Number	DG330743618208	VideoStyle	PAL 💌
IP Address	192 . 168 . 0 . 172	Mac Address	00:24:b9:00:31:f7
Subnet Mask	255 . 255 . 255 . 0	TokenPort	5050
GateWay	192 . 168 . 0 . 1	Media Port	6050
UsePPPoE	Not Use PPPoE	PPPoE Name	
PPPoE Address	0.0.0.0	PPPoE Password	
First DNS Address	0.0.0.0	Second DNS Address	0.0.0.0
HTTP Port	82	Hardware Version	V1.0.0
Soft Version	V1.0.0	DSP Version	V1.0.0-20090623
PPPoE Address First DNS Address		PPPoE Password Second DNS Address	

For details, please refer to our DG Series EM-DVR manual.

Remote setup interface of DG series EMDVR

For other series IP cameras, such as Sony SNC110/160, ACTi Series IP, Huviron Series IP, Mobotix M12 Series IP, ArecontVision IP, Camtron Series IPC, Axis Series IPC, Vivotek Series IPC and SanYo Series IPC, you will enter the IE interface automatically when you press "IP Camera Setup". You have to install ActiveX too.

Index page - Microsoft Internet Explorer	
File Edit View Favorites Tools Help	27
🜀 Back - 🕥 - 🖹 🛃 🏠 🔎 Search 👷 Favorites 🤣 🎯 - 💺 🔜 🦓	
Address 🕘 http://192.168.0.90/	🔽 🛃 Go 🛛 Links 🌺
Enter Network Password This secure Web Site (at 192, 168, 0.90) requires you to log on. Please type the User Name and Password that you use for AVIS_00400ECARE 15E. User Name Password *** Save this password in your password list OK Cancel	



Remote Setup Interface of Axis IP Camera

4.1 Functional Buttons

There are 5 same buttons in each page. They are Upgrade, Restart, Time adjustment, Save and Exit.

Upgrade The system can upgrade the server remotely. Click this button, and then select the right file.

Restart Some settings will only come into effect after the device

reboots.

Time Adjust Adjust date and time of DVS or EM-DVR. The new date and

time will be accordant with NVR client computer.

Save After setup is finished, clicking this button to save the setup.

Exit Setup.

Remote Setup for DVS includes Server, Channel, PTZ, Sensor and Alarm.

4.2 Server	Setup			
Press Server	button to	set server parameters	s remotely:	
Server Name E	Embedded IP CAMERA	User name	admin	
Server IP 1	92.168.0.8	User Pass	****	
Listen Port 8	3000	DNS Server IP		
Subnet Mask 2	255.255.255.0	Remote Manage IP		
Net Gate		Remote Manage Port	0	
Net Cable Type 1	10M/100M(5 cable) 💌	Physical address	00:40:3f:bf:5c:03	
Use PPPOE	1	Software Ver.	V2.0 build 090505	
PPPOE Login Name		DSP software Ver.	V4.0 build 080616	
PPPOE Login Pass		Hardware Ver.	0×0	
PPPOE IP		Format SD Card		
L			Format	

[Server Name] Enter the name description for easy identification. This name delegates the foreside server. If use DNS to get IP, this name will be used.

IP configuration and related:

[Server IP]
[Port]
[Subnet Mask]
[Net Gate]
[Net Cable Type]
These are network configurations. You can set
LAN or Internet IP according to your need.

Connection configuration and related parameter:

(If use PPPOE)	If system uses PPPOE to connect with web,
【PPPOE Login Name】	please select it and input the PPPOE login
【PPPOE Login Pass】	ID and password.

[User Pass] Set the user password of DVS remotely, after that operation

you should change the Login Pass to corresponding value in Add / Modify server. Otherwise, you can't connect the DVS correctly.

[DNS Server IP] If use DNS, input the DNS host IP address.

Remote manage: [Remote manage IP] [Remote manage port] Set the IP address and port of host server which will receive the message upload from foreside server.

4.3 Channel Setup

Press Channel

button to set channel parameters.

Camera NO. 1	▼ Camera Name IP	server09	Copy to	- Сору
 Main Stream Fram 	ne Rate All	Resolution 4CIF	 Stream Type Au 	ıdio+Vide ▼
C Sub Stream	Quality Best 🗾 Bit	Rate Type CBR	▼ Max Bit Rate 20)48k 🔽
Show OSD	Positon X 0	Y 32		
Show Week	OSD Not	Clarity-Not Glitt 💌	Osd Type	
🔽 Show logo	Postion X 512	Y 512		
Privacy	Clear		Rec Schedule	
11-9-2009 早期— 6 ND	.003	Period2 05:00 . Period3 10:00 .		rd ecord etect cord

This section contains the parameters to designate a name for every camera connected, to enable or disable show LOGO and OSD, and to set display type of OSD & LOGO as well as record resolution, record type, record quality and frame rate, etc.

[Camera NO.] Select the camera to be set from the drop-down list.

[Camera Name] Enter a name description for easy identification.

[Frame Rate] Select the record rate of camera from drop-down list.

[Main Stream] [Sub Stream] Select Main Stream or Sub Stream for the

current cameras.

[Resolution] Set the resolution at which the video files will be recorded. Choices are DCIF, CIF, QCIF, 2CIF and 4CIF. The higher resolution you choose, the more disk space needed.

[Stream Type] Select video, audio or only video record.

[Image] Set the quality of the image to be recorded. Select from worst, worse, normal, good and best.

[Bit Rate Type] Select bit rate type from Variable Bit Rate (VBR) and Fixed Bit Rate (FBR) record:

VBR range= Poorest, Poor, Medium, Good, Best.

FBR range = 45 Megabytes/Hour to 400 Megabytes/Hour.

[Max Bit Rate] Select the maximum bit rate for Variable Bit Rate (VBR) record.

[Show LOGO/OSD/Week] If you check those box, system will show corresponding information on screen.

[Position] Set the position of OSD and Logo by entering the X and Y coordinate directly.

[OSD**]** Set the display attribute of the OSD & LOGO. There are four types of display modes: Clarity-Glitter, Clarity-Not Glitter, Not Clarity-Glitter and Not Clarity-Not Glitter.

[OSD Type] Select the type of OSD for the Week.

[Privacy Mask] You can check this box to set the privacy mask on the below image directly, and you can clear some privacy masks by pressing Clear button.

[Record schedule] You can set record schedule in following chart.



Note:

This record schedule is only available to EM-DVR and DVS with SD card. There are 4 time segments every day. Every segment has a start time, an end time and record type. The time segment is set in sequence; every segment can't be overlapped, included or skipped with any other. 【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-down list, and then press Copy button.

	PostRec	5s	•	PreRe	5s	-	Set	the	time	of	post
reco	rd or pre re	ecord.									P

4.4 PTZ Control

Press	PTZ	button to set PTZ

		– Preset Setu	ıp
99-02-03 星期二 13:16:07	Name Add Del		
T I I I I I I I I I I I I I I I I I I I	Preset Name	Call I	Mode Call Preset
	1	1	Call
	2	2	Call
	3	3	Call
	4	4	Call
If Server	<		X
PTZ Speed 255	No PTZ A	ction 15	- Sec Back
Focus+ Focus- U	Home Pos	ition 1	
Iris+ Iris- L R	1		

In this screen, you can define the PTZ protocol and set the Preset Position as well as the plan to execute them automatically.

[Camera NO.] Select the camera to be set from the drop-down list.

[Baud rate] Set baud rate according to PTZ protocol from the drop-down list.

[PTZ Protocol] Select the communication protocol for the PTZ camera from drop-down list.

[Copy to] After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel

number from drop-down list, and press Copy button.

[PTZ Address] Set the address of the decoder, which must be matched with the value of dipswitch in the PTZ.

[Speed] Set the speed of the PTZ.

Spe	ed 128	•
Focus+	Focus-	Up
Iris +	lris -	LR
Zoom +	Zoom -	Dn

[Preset position & schedule setup] Define preset position and set time to call preset position automatically. System can add and delete plan time.

Preset	: Setup ———
Name indoors	Preset 1
SetUp Del Call	Mode Call Preset -
Preset Name	NO.
indoors	1
< II	· · ·
No PTZ action 15	 sec back
Home Position inde	oors 🔻

Auto

[Name] Set the name for the current preset.

[Preset] Set the preset number for the current camera.

SetUp Setup th	he preset	by current	configuration.	Del	Delete the
----------------	-----------	------------	----------------	-----	------------

finished Preset. Call Call the Preset if the Mode is Call preset. If the mode is save preset; you should save the preset and shouldn't call the preset.

No PTZ action Disable - sec back Home Position

Set disable or how long the PTZ will come back to the home position when there is no PTZ action.

Sched

F	reset Schedul	e
Preset 2	▼ Add	Del
Call Time Mo	in. 🔻 23	
Schedule List	Mon. 💌	Сору
Date	Time	Preset
Tues.	01:00	1
Mon.	23:02	2
•		•

[Preset] It can add the preset into the Preset Schedule, the preset set completed in the Auto Pre yet, [Call Time][Schedule List] Set the time of the preset should be call at that time.

Tour

Tou	r Group Tour	Group1	-
Add Prese	t Name indo	or	-
Del Sta	ay Time <mark>2</mark>		🔽 se
Preset Name	NO.	Time	
indoor	1	2	
outdoor	2	2	

Tour Group

Add the Preset cameras into the Tour Group and set the Stay Time for one tour group.

4.5 Sensor Setup

Press Sensor button to set sensor parameters.

	-
Sensor Name	Туре №О
✓ SensorAlarmHandling	
Policy	Preset
🔽 On Screen Warning	☐ Use
☐ Audible Warning	Camera v Preset v
🔽 Upload To Center	
🔽 Trigger Alarm Out	Schedule
1 🔽 2 🖾 3 🗖 4 🗖	Day
	Period1 00:00 → 00:00 →
Trigger rec camera	Period2 00:00 -> 00:00 ->
	Period3 00:00 -> 00:00 ->
3 7 7 11 7 15 7	
4 🗖 8 🗖 12 🗖 16 🗖	Сору То 🗾 Сору

[Sensor NO.] Select one sensor to be set.

[Sensor Name] Enter the name description of the sensor.

[Type] Select alarm type (sensor type) from "N/O"(Normally Open) or "N/C"(Normally Close).

[Policy] Select "Sensor Alarm Handling" firstly, handling policies will be available as follows:

On screen warning—Display the alarm information on the monitor.

Audio warning-Indicate the alarm with voice.

Upload to center—Update the alarm information to center.

Trigger alarm out—Trigger alarm box to output the alarm.

[Trigger record camera] Set cameras to record triggered by the alarm. You can select one or more channels. When there is an alarm input, the cameras will be triggered to record (the record type of the channel is Alarm Record), and the monitor will switch to preview the cameras (warning on monitor is enable).

[Preset] Set camera that will move to its one preset position when the alarm happened.

[Schedule] Set alarm input precaution time firstly, then set time segment according to the sequence. The time of each segment should not overlap the others and no skips are allowed. After the precaution time of a certain day is set, you can copy the parameters to other dates by select a day and press copy button.

	 Schedu 	ile –	
Day		•	
Period1	00:00 🗧	->	00:00
Period2	00:00 🗧	->	00:00 🗧
Period3	00:00 🕂	->	00:00 🗧
Period4	00:00 🗧	->	00:00 🗧
Copy to		-	Сору

[Copy to] After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel

number from drop-down list, and press Copy button.

4.6 Alarm Setup

Press Alarm Setup button to set alarm parameters.

Camera NO. 1 Copy To Copy Alarm Type Motion detect Level 3 V	Policy ✓ On screen warning ✓ Audio warning ✓ Upload to center
₩ Handling Current Alarm	Trigger alarm out 1
Clear All Test 2009-02-03 星期二 13:16:39	Trigger rec camera 1 ♥ 5 ♥ 9 ♥ 13 ♥ 2 ♥ 6 ♥ 10 ♥ 14 ♥
	3 7 11 15 4 8 12 16 5
	Check Date Period1 00:00 → 00:00 →
	Period2 00:00 $\frac{1}{2}$ \rightarrow 00:00 $\frac{1}{2}$ Period3 00:00 $\frac{1}{2}$ \rightarrow 00:00 $\frac{1}{2}$ Period4 00:00 $\frac{1}{2}$ \rightarrow 00:00 $\frac{1}{2}$
IP Server	Сору Сору

[Camera NO.] Select a camera to be set from the drop-down list and you can copy the configuration to the other cameras by clicking copy button.

[Alarm Type] Select alarm type: Motion detects Tempering alarm and Video Loss.

[Level] Select sensibility levels from 0 (the lowest level) to 5 (the highest level) for the alarm.

[Set motion detection areas] Left-click mouse and drag it on the screen to select motion detect area, you can select the whole area or many areas. Also, you can clear one or whole area by press the button clear and test the effect by clicking test button. [Policy] Selecting "Handling current alarm" firstly, handling policies will be available as follows:

On screen warning—Display the alarm information on the monitor.

Audio warning—Indicate the alarm with voice.

Upload to center—Update the alarm information to center.

Trigger alarm out—Trigger alarm box to output the alarm.

[Trigger record camera] Set cameras to record triggered by the alarm. You can select one or more channels. When there is alarm input, the cameras will be triggered to record (the record type of the channel is Alarm Record), and the monitor will switch to preview the cameras (warning on monitor is enable).

[Schedule] Set alarm input precaution time. Select date firstly, then set time segment according to the sequence. The time of each segment should not overlap the others and no skips are allowed. After the precaution time of a certain day is set, you can copy the parameter to other dates by select a day and press copy button.

【Copy to】 After finishing one channel, if you want to set any other channels' configuration as the same as this camera, you can select channel number from drop-down list, and press Copy button.

Chapter5 Remote Search

Click button and then this window pop up. This is new feature of our NVR V 5.60. It provides mutil-DVR playback and PC-DVR playback.

The mutil-DVR including recording data from EM-DVR, PC-DVR and DVS; On the contrary, PC-DVR is listed seperately.



5.1 Mutil-DVR playback

In the mutil-DVR playback interface, you will see as below:



When entering this interface successfully, all devices (including PC-DVR,EM-DVR,DVS with SD card) are not connected (by default). Showed as below:



If you want to connect any device, just double-click the device, and it will

connect automatically. Similar for the other devices. More details about the related operation please refer to from 5.3 to 5.5.

5.2.PC-DVR playback

If you just want to playback video for a certain PC-DVR, click the button and select the name of the PC-DVR, you will enter the interface as below:



The related operation is the same as before. For more details, please refer to contents from 5.3 to 5.5.

In this playback mode, we get several function those are popular among customers back, such as PS, AS and CP.

The two modes of playback can fulfill different requirements of different customers.

5.3. Steps of Playback

The operations are nearly the same with Local Playback. However, in multi-server playback mode you should double click the server name in the

server list to select one server before you select the date. Also, you can select one camera below the server name to select the server. Otherwise, you will not be able to select date.

And you can't select record type as in Local Playback. The record type icons below the time bar only show which record type you are playing back.

5.4.Play File and Related Operations

All buttons are nearly the same with Local Playback. However, you should

not press 团 button before one server is selected.

Please refer to Chapter 3 for details.

5.5.Backup

Click button Imm, there are four items to be selected.

Create video file clip Backup record by time View backup video file Burn video file to DVD/CD

.5.5.1.Create File Clip



Please refer to 3.4.1 for details. The only difference is you should select one server from the drop-down list.

DVRSever:	EM-DVR	Camera01
Select Begin Time: Select End Time:	2011- 1-21 + 11:32:35	Camera02 Camera03 Camera04 Camera05
Backup Date Size:	0M	Camera06 Camera07 Camera08 Camera08 Camera09
Save Path: Save Type:		Camera10 Camera11 Camera11 Camera12 Camera13
🔲 Unite .	50 🖨 M	Cameral 4 Cameral 5 Cameral 6
		4

.5.5.2.Backup Record by Time

It's nearly the same with 4.5.2 in DVR User Manual. The differences are as below:

You should select one server before backup.

"No Change" is named as "MP4".

"AVI (H.264)" and "MSMPG4" is named as "AVI".

.5.5.3View Backup Video File

Please refer to 3.4.3 for details.

.5.5.4.Burn Video File to DVD/CD

Please refer to 3.4.4 for details.

Chapter6 IE Client

The client user can look through video of DVR Client by Internet Explorer. The default web server port is 80. If the port has been changed to other port, user should add the port number after IP address of DVR Client. E.g.: <u>http://192.168.0.119:1280</u>.

Note:

Webclient is updated from this version. If you can't download and install Activex automatically, you can download webclient.zip manually via clicking "Go to". Then, the following interface will be shown:



Save and install webclient on your PC, so that you can install ActiveX sucessfully later.

6.1 Functions of IE Client

- 1. Video display and video storage.
- 2. Audio input.
- 3. Searching and playback video image locally or remotely.
- 4. Control PTZ and speed demo remotely.

6.2 Main Interface



6.2.1 Record Status



This icon indicates the current connection and their record status:

Gray: Not connected.

Navy blue: Connected with no record.

Green: Connected with record.

You can change the record status by pressing corresponding number

button or change status of all connections at the same time by pressing Subtron.

6.2.2 Partition Mode

You can set the partition mode from the drop-down list file on the right up of main interface. There are 1, 4,6,9,10,16 partitions mode.

6.2.3 PTZ Control
Most functions of PTZ control are same as Client in PTZ Control panel.

6.2.4 Local & Remote Search

It will be described in Local Search and Remote Search in detail.

6.2.5 Quit Program

Press button to shut down the IE Client.

6.3 Local Search

Press button to enter local search:



Display Setup and Data Information

In this area, you can select display partition mode, date, video channel and its video file named according to time.

Playing Operation Area

In this area, you can operate video playing.

(1). Video-playing time adjustment



Press and drag slider bar to adjust video-playing time.

(2). Information display panel:

Window1, Camera1, 00:00:09 / 00:17:17 Display current window name,

camera name and record data information.

(3). Playing-control buttons

Image: Play, Pause, Stop.

(4). Single frame play

(1) (D): Previous frame, next frame.

(5). Playing speed control

Slowly play; D fleetly play.

6.4 Remote Search

Most functions and operations of Remote search are same as Local search; different feature is that remote search added download feature.



When you playback, you click , system will save video of current channel you selected, and after finished saving one file, it will popup prompt to indicate its working.

Select one camera that contains record data, open file list panel, select one record data package, and then click **Download** button, the selected data package will be download.

9:16:46			
9:22:17			
9:27:42			
9:34:0			
9:40:33			
9:46:51			
9:53:53			
10:0:48		File Download	X
10:7:53			
10:15:0			
10:22:9		Save FileName: D:\Clip\20051211-141624.mp4	
10:29:16			
10:36:26		Download progress: 1742 KByte / 30755 KByte	
10:43:33		Download progress. 1742 Kbyte / 50755 Kbyte	
10:50:42			
10:57:54	-	OK	
·	_		
Download			

Note:

When user use IE client to visit NVR Client, if connect successfully, there will be four partitions blue window. If connect unsuccessfully, the reasons possibly are:

The Web server port has been used by other programs.

Your computer didn't download the player plug normally. The reason may be the jurisdiction of your computer is too high, or your computer has plug filter.

Chapter7 Appendix A: E-Map Function

7.1 Introduction

7.1.1 E-Map Introduction

E-Map is installed in NVR to deal with variety alarms, such as sensor alarm, motion detection alarm etc. If the setup is ok, when alarm happens, it will automatically switch to display video images of related alarm cameras immediately. User can click them to locate where the alarm be triggered out. And the corresponding names of camera will be displayed on screen.

7.1.2 Corresponding Configuration of E-Map

Both of the single monitor and dual monitor support E-Map. There are some referenced configurations and steps of setups for the above 2 situations.

7.1.3 Single Monitor

Configurations

NVR display resolution supports Auto, 1024*768, 1280*768, 1280*1024, 1366*768, 1440*900, 1600*900, 1680*1050 and 1920*1080. That is to say, 1024*768 is the least display resolution for NVR. So, when there is only one monitor, user must set its resolution more than 1024*768. Otherwise, user can't use electro-map function. When user opens NVR, the following dialog box will be displayed on the screen if user has already enabled Use electronic map function in NVR System Setup:



Steps of Setup

(1). Set Resolution



Display Properties	? 🛛				
Themes Desktop Screen Saver	Appearance Settings				
Drag the monitor icons to match the	physical arrangement of your monitors.				
Display:	2				
1. Plug and Play Monitor on RADEON 9200 SERIES					
Screen resolution	Color quality Highest (32 bit)				
1680 by 1050 pixels					
Use this device as the primary monitor. Extend my Windows desktop onto this monitor.					
Identify	Troubleshoot Advanced				
	IK Cancel Apply				

Note:

The screen resolution must be more than 1024*768 pixels if you want to use E-Map.

(2). Add Server

User can add PC DVR and IP server into the system. If you don't add any server in the system, you can't add any device in the map. The Add/Modify Server Information dialog box is showed as below:

Server Na	me 192.168.0.109	Device Type Dahua Series IP 💌
IP Addre	ess 192.168.0.109	Default Stream Type Main Stream
Connect F	ort 8000	IF Use Dns to Get IP no
Login User	r ID admin	Dns Server IP
Login Pa	ass *****	Dns Server Port 7071
Motion Alarm Play wav	file	Test
Sensor Alarm Play wav	file	Test

(3). Set NVR Display Resolution

We suggest you set NVR Display Resolution as 1024*768, so that there will be more space for electronic map.

	SY	STEM SETUP
Max. Record channels	Disable	Display Resolution 1024*768 🗸
Network listen port	5300	Web Listen Port 80
Use electron map	Enable Stretched	Use Matrix Card Disable Setup
Connect Server While Alarm	Disable 🗾	Data Stream Auto Adjust Disable
Write Log While Alarm	Enable 💌	Software Start Auto Connect Disable
Instant Playback max time	Disable 💽	Auto Reconnect Time Interval 60 sec
Keyboard Use COM Port		Language English
Window Split Mode	Normal Mode 🗾	Grab Picture Save to D\Grab
PC Decoder Function	Enable 🗸	PDA Connect Port 5101

(4). Open Electronic Map Function

	SYSTEM SETUP					
Max. Record channels	Disable 🗾	Display Resolution 1024*768				
Network listen port	5300	Web Listen Port 80				
Use electron map	Enable - Stretched -	Use Matrix Card Disable				
Connect Server While Alarm	Disable	Data Stream Auto Adjust Disable 💽				
Write Log While Alarm	Enable	Software Start Auto Connect Disable				
Instant Playback max time	Disable 💌	Auto Reconnect Time Interval 60 sec				
Keyboard Use COM Port		Language English				
Window Split Mode	Normal Mode 🗾 💌	Grab Picture Save to D\Grab				
PC Decoder Function	Enable 🗾	PDA Connect Port 5101				

Now, Connect Server While Alarm function is disabled automatically.

(5). Restart NVR

After the above operations, system will prompt you to restart NVR. The setups will take effect after rebooting.



7.1.4 Dual Monitor

Configurations

(1). Stretch

The display card should support the dual monitor. We use ATI 9200 display card. First you should connect the dual monitor to the display card.

Graphics Settings	References - 🚱 Help -
Welcome	Graphics Adapter: 1.RADEON 3200 SERIES [Ben0 FP716+u]
Experience Openations Experience Openation Solution Solution	Close Main with monitor Close Main with monintor Close Main with monitor Close Main with monitor Clos
	Selected Display on: RADEON 9200 SERIES
2	Desktop area: Color quality: Refresh rate: 1680 × 1050 H High (32-bit) 60 Hz
	Standard Landscape (0*)

The system can detect the dual monitors automatically, then you should select "Stretch Desktop 1 horizontally onto monitor" and the interface as below will be displayed:



The desktop area should be selected about double size of the one monitor. Now, the dual monitor is effective.

Note:

Win 7 doesn't support Stretch mode.

(2). Extend

Also, you can choose "Extend Main onto monitor".



The two monitors should be set as the same size. Otherwise, something may be wrong. It's shown as below.

🗧 View 🔹 🍄 Hotkeys 👻	울 Profiles 🔹 🙀 Preferences 🔹 🕜 Help 🔹	
Graphics Settings Welcome Display Options Monitor Properties 0 State of the setting of the	Displays Manager Graphics Adapter: 2RADEON 9200 SERIES - Secondary [FP222w Desktop 1: Desktop 2: Desktop 1: Desktop 2: Attached displays currently disabled: 1 2 2	
	To make changes, drag or right-click the display icons.	ays
	[FF222W [Extended]] Desktop area: Color quality: 1024 x 768 Click to change the rotation. Rotation: Standard Landscape (0')	
Basic	OK Apply Discard Defau	lts

Note:

1). If the old ATI display card doesn't support the "CATALYST Control Center", you should download ATI Catalyst and install it ,then it can enter the setting interface in ATI catalyst control center;

2). If the length or width exceeds the scope that the screen can display, the monitor can't display normally. In other words, when you are setting the Desktop area, you should not only consider whether your display card supports or not but also your screen;

3). If you select "Stretch Desktop 1 horizontally onto monitor", you should correspondingly choose "Stretched" in NVR system setup.



4). If you select "Extend Main onto monitor", you should choose "Extended".

SYSTEM SETUP			
Max. Record channels	Disable	Display Resolution 1024*768	
Network listen port	5300	Web Listen Port 80	
Use electron map	Enable Extended	Use Matrix Card Disable	
Connect Server While Alarm	Disable	Data Stream Auto Adjust Disable	
Write Log While Alarm	Enable 🗾	Software Start Auto Connect Disable	
Instant Playback max time	Disable 🗾	Auto Reconnect Time Interval 60 sec	
Keyboard Use COM Port		Language English	
Window Split Mode	Normal Mode 🗾	Grab Picture Save to D:\Grab	
PC Decoder Function	Enable -	PDA Connect Port 5101	

Steps of Setup

Also, user should add server, set NVR display resolution, open electronic map and restart NVR. The steps are the same as <u>Steps of Setup</u> for single monitor except the set of resolution. You can set Display Resolution as any one you like.

7.2 Main Interface



- 7.3 E-Map Menu
- 7.3.1 Map Setup



Click Map Setup to do the following operations.

Add Server and Related Operation



(1). Add Device

Select device with its type and sub map (press in button to select a map with size from 160*120 to 640*480 pixels), and then press is button to finish adding a server. After that, the server icon will be displayed in the map area on the right screen. At the same time, it will be displayed in the

compressed map.

Note:

When you press a server icon in the map, the sub map and name of it will be displayed immediately. You can double-click sub map to close it;

You can only add the device that you have added in system setup. For example, here is a list of the connected server:

IP Alias	IP Address	Disp. Port	Device Type	Cameras	Use DNS?	
102	192.168.0.102	5100	PCDVR	6	no	A
9	192.168.0.9	8000	NV Series IP	1	no	
3	192.168.0.3	8000	NV Series IP	8	no	IMIC
						DE

When you have all servers added into the map, you can't add more. It will popup a dialog box to inform you.

(2). Add/Delete Camera or Sensor

After adding a server, the sub map of server will also be displayed. In the sub map, you can single-right-click to add camera or sensor.

After adding the cameras and sensors, the sub map will show as below:



You can drag the cameras and sensors to where you want in the sub map. When you click one camera or sensor, corresponding name will be displayed in the left bottom of the main map.

102	102
102 camera01	Sensor2

Then, you can single-right-click in the sub map area to delete camera or sensor.

(3). Modify/Delete Device/Clear All Device

Single-right-click the device to choose Modify Device or Delete Device. Also, you can choose Clear All Device to delete all devices at a time.



(4). Change Main Map

Click Change Main Map, a dialog box as below will be shown:

Prompt	
Change map may cause a loss of	f server setup information, continue?
OK	Cancel

Click OK and choose a map from your files. Take care the map should be with size from1024*768 to 4096*3072 pixels.

Then, you should choose Save Map Setup and Exit Setup to save and exit Map Setup.

Device Armed



Click Device Armed /All Devices Armed (for more than one devices) to select alarm setup. Then, the device, including its cameras and sensors will turn golden yellow. When a camera detects a motion alarm, it will turn red and blink. At the same time, the video of the camera will be displayed automatically on the left screen if the setup in the server is suitable.

Alarm Keep

Click Alarm Status Keep to enter the submenu and select the action when an alarm is end. Selectable options are shown in the picture as below.



(5). Keep Alarm All the Time

When the alarm is kept all the time, corresponding videos will also be kept on the screen.



User can choose Clear Alarm to clear the kept alarm for the device or click Clear All Alarm to clear alarm for all devices.

(6). Delay 5/10 Sconds End Alarm

Alarm will be cleared after 5 or 10 seconds.

(7). End Aarm Immediately

Videos of corresponding cameras will be cleared immediately when the alarm is end.

Quick Operations

(8). Device Playback

This feature allow user to search server or camera quickly.

When you choose this function, the left screen will enter playback interface. For cameras that have no HDD, when you choose Device Playback function, it will enter playback interface too. But there is no record data.

(9). Device Setup

Click this function to enter setup in NVR.

(10). Device Chat

Click this function to chat with the device.

7.4 Connect Server while Alarm

This function will take effect only when electronic map is disabled.

SYSTEM SETUP					
Max. Record channels	Disable 🗾	Display Resolution 1024*768 🗾			
Network listen port	5300	Web Listen Port 80			
Use electron map	Disable Extended	Use Matrix Card Disable Setup			
Connect Server While Alarm	Enable	Data Stream Auto Adjust Disable			
Write Log While Alarm	Enable -	Software Start Auto Connect Disable			
Instant Playback max time	Disable 🔹	Auto Reconnect Time Interval 60 sec			
Keyboard Use COM Port	<u> </u>	Language English			
Window Split Mode	Normal Mode 🗾	Grab Picture Save to D:\Grab			
PC Decoder Function	Enable <u>-</u>	PDA Connect Port 5101			

After you enable this function, videos of corresponding cameras will be displayed on the left screen when alarms are triggered out. Of course, you should confirm your setup in the device is suitable first.

Chapter8 Appendix B: Manual of PC Decoder

8.1 Introduction

8.1.1 PC Decoder Introduction

PC Decoder, a pure IP based network Decoding & Matrix platform, is integrated to support multi-monitor for TV wall function. By using this platform, user can decode all IP videos, such as video from PC-DVR, stand alone DVR, DVS and IP cameras (any brands supported by our software).

PC Decoder is made up of server end and client end. Its sever is added into NVR to support centralized management, including setting connection port, setting matrix output and display for each TV client and controling PTZ etc. Its client ends run on independent computers.

User can connect as many as 24 monitors to TV clients. Of course, it needs your video card in TV client system supports multi-monitor when you want to connect more than one monitors on a PC.



The frame diagram of application is as below:

8.1.2 Preparation

Installation

You have to install NVR client (the sever end of PC Decoder) and TV client (the client end of PC Decoder) on different PC.

The way to install NVR is the same as before. So we will only introduce how to install TV client here.

Double click shot icon to run TV client installation program. And then, follow the prompt to continue the installation. When the GUI shown as below displayed, fill the NVR IP in "Server IP". Take "192.168.0.192" as example. Select your desired language between "English" and "Chinese". "Server Port" here should be the same with "Listen Port" in NVR PC Decoder Setup. It's 5001 by default. Then, press "Save" to finish the information filling. At last, press "Finish" to complete the installation.

💑 Setup	
Common Setup	Monitor Setup
Server IP 192.168.0.192	Monitor1
Server Port 5001	
Language English 💌	
Save Cancel	

When it's done, this icon will be displayed on the desktop. Double click it to run the program.

Also, you can fill the server IP later after you finished the installation.

When you want to change the sever IP to others, you have to run "TVsetup.exe" in installed folder to change the IP.

Multi-monitor Setup

Please refer to Dual Monitor Manual for details.

So far, the operations at TV client side are done.

By default, there will be four black windows on each monitor when you run TV client the first time.

8.2 Setup

All the settings can be done in NVR client, the sever end of PC Decoder. Client end is mainly used to view videos.

First of all, user has to enable PC Decoder Funtion in NVR system setup. Shown as below:

			SYSTEM SETUP			
Ma	x. Record channels	13	Disp	lay Resolution	Auto 💌	
	Network listen port	5300	We	eb Listen Port	80	
	Use electron map	Disable Stretched	Us Us	e Matrix Card	Disable	▼ Setup
Connect	Server While Alarm	Disable	Data Strea	am Auto Adjust	Disable	•
Wri	te Log While Alarm	Disable	Software Star	t Auto Connect	Connection Group 01	•
Instant	Playback max time	Disable	Auto Reconnec	ct Time Interval	30 sec	•
Keyt	board Use COM Port	<u> </u>		Language	English 💌	
	Window Split Mode	Normal Mode	Grab	Picture Save to	D:\Grab	
P	C Decoder Function	Enable	PD.	A Connect Port	5101	
IP Alias	IP Address		CONNECT SERVER INFO	0	Use DNS?	
192 168 0 9	192.168.0.9	Disp. Port 8000	Device Type NV Series IP/EMDVR	Cameras 1	Use DNS?	<u></u>
192.168.0.3	192.168.0.3	8000	NV Series IP/EMDVR	16	no	
						Add
						Modify
						Denema
						DELETE

8.2.1 Monitor Setup

Single-Right-Click in any window, the menu as below will be displayed. Click "PC Decoder Function" \rightarrow "PC Decoder Setup" to enter PC Decoder Setup.

Full screen display		
Instant playback End playback	F	
Image Quality Frame rate Resolution) 	
IP Video Zoom in Switch to Sub Stream		
Audio Chat PC DVR Motion Setup	[
Views Manual Adjust Device Abnormity Message About IP Register		PC Decoder Setup Open All Monitor Close All Monitor
PC Decoder Function	•	192.168.0.99-TV:1

PC Decoder Setup								
	TV Client List		Monitor List					
System Para. Set	🗉 🏣 192.168.0.99	_	Monitor Name	TV Client IP	TV NO. in Client			
isten Port 5001			# 192.168.0.99-TV:1	192.168.0.99	TV:1			
		Delete Client	TOLINGUIGO TIT	TOLITOOIOIOO				
		Add						
		Remove						
		Remove All						
		Setup						
Save								
Exit								
	1		1					

The IP "192.168.0.99" here is one of the PC you installed TV client on. After you filled the NVR IP "192.168.0.192" (the sever end, mentioned before) in login interface when running TV client, its IP will be displayed here automatically.

"TV: 1" is the main monitor in TV client. When there are dual monitors, the second monitor will be shown as "TV: 2" here.

	PC	Decoder Setup			
System Para. Set	TV Client List		Monitor List		
	🖻 🎭 192.168.0.238		Monitor Name	TV Client IP	TV NO. in Client
Listen Port 5001	🖳 TV:1		≢ 192.168.0.238-TV:1	192.168.0.238	
	— 💻 TV:2	Delete Client	≢ 192.168.0.99-TV:1	192.168.0.99	TV:1
	🗄 🚂 192.168.0.99		# 192.168.0.238-TV:2	192.168.0.238	TV:2
	🛶 TV:1				
		Add			
		Remove			
		ricinove			
		Remove All			
		Setup			
Save					
Exit					
			1		

Group Setup

Double click one TV monitor in the "Active Monitor List" to enter "Monitor Setup" displayed as below.

You can set as many as 16 groups for each TV monitor.

Device List	Monitor Name	192.168.0	0.99-TV:1	Group 🚺	Group Na	ime Group	1	Partition M	lode 9 💌
 ➡ 192.168.0.101 ➡ 192.168.0.102 ➡ 192.168.0.103 ➡ 192.168.0.3 ➡ 192.168.0.63 	Device 192.168	Camera Camera	Stream Ann	Device 192.168.0	Camera camera 01	Stream T Main	Device N 192.168.0	Camera Camera02	Stream T Main
	Interval Dis Device 192.168.0	Camera	1 Stream T Main	Interval Dis Device 192.168.0	Camera	2 Stream T Main	Interval Dis. Device N 192.168.0	Camera	Stream T Main
	Interval Dis	Camera	4 Stream T	Interval Dis Device	Camera	5 Stream T	Interval Dis.	Camera	Stream T
Default Stream Type Main Stream 🔻	192.168.0	1.3M IP	Main	192.168.0	Camera02	Main	192.168.0.3	3 Camer	Main
Save	Interval Dis		7	Interval Dis	able 🔻	8	Interval Dis		ſ

Select a group from the drop-down list to set it. You can define its name and partitions. The changed group name will be actived after software restarted. There are 1, 4, 9 and 16 partitions modes.

You can drag any cameras' name to the display window. Default stream type can be selected between "Main Stream" and "Sub Stream". After that, all the cameras in this group will display their main stream or sub stream in TV client. When you want to cancel the display of one camera in one window, double click it to remove. For example, you can double click "1.3M IP" to remove it from the 7th window.

Also, you can change the stream type of some cameras, not all. Move mouse to the stream type, then, there will be a drop-down list displayed. Select one stream type from the list to display. The other cameras you didn't change their stream type will be displayed as "Default Stream Type".

Device	Camera	Stream T
192.168.0	Camera	Sub 💌
		Main 🔼
		Sub 🕑
Interval Dis	able 🔽	1

Loop Setup

You can display more than one cameras in a window.

192.168.0.101	Device Name	Camera	Stream Type	Device Name	Camera	Stream Type
	192.168.0.101	Camera-IST	Main	192.168.0.3	3 Camera fl3	Main
a 192.168.0.103 a 📾	192.168.0.102	camera 01	Main	192.168.0.3	3 Camera 07	Sub
a 192.168.0.3 📾	192.168.0.102	Camerall2	Main	192.168.0.3	3 Camera 02	Main
a 192.168.0.63	192.168.0.102	Camera03	Sub	TOLITOOIDIO	o odmord oz	man
	192.168.0.102	PTZ Camera	Sub			
	192.168.0.103	Camera01	Main			
	192.168.0.103	Camera02	Main			
	192.168.0.103	Camera04	Main			
	192.168.0.3	3 Camera 01	Main			
	192.168.0.3	3 Camera 04	Main			
	192.168.0.3	3 Camera 05	Main			
	192.168.0.3	3 Camera 06	Main			
	Interval 5 second	1 -	[1	I Interval 5 second		
	Device Name	Camera	Stream Type	Device Name	Camera	Stream Type
	192.168.0.102	Camera03	Main	192.168.0.3	3 Camera 03	Main
	192.168.0.102	Camera02	Main	192.168.0.63	1.3M IP	Main
	192.168.0.101	Camera-JST	Main	192.168.0.3	3 Camera 04	Sub
	192.168.0.3	3 Camera 07	Sub			
Default Stream Type						

The only thing you have to do is setting the interval. You can set it as 5, 10, 15 and 20 seconds etc. The greatest interval here you can set is 60 seconds.

Interval	5 second	•
	5 second	^
	10 second	
	15 second	
	20 second	
	25 second	~

When all the settins are done, don't forget to click "Save" button on the left. You should click "Save" in both "Monitor Setup" and "PC Decoder Setup" interface. Then, click "Exit" to exit setup.

Default Stream Type Setup



Select a default stream type from "Main Stream" and "Sub Stream". If main stream is selected, then, all the cameras you drag to the window will be displayed as main stream until you select "Sub Stream" from the list. If you don't want to set main stream or sub stream for your cameras one by one, this is a good choice.

Device List	Monitor Name	192.168.0.99-TV:1	Group 1 💌 G	Group Name Gro	up1 P	artition Mode 4
= == 192.168.0.3	Device Name	Camera	Stream Type	Device Name	Camera	Stream Type
🛯 🧐 Camera 01	192.168.0.3	Camera 01	Main	192.168.0.3	Camera 01	Sub
🛯 🧐 Camera 02	192.168.0.3	Camera 05	Main	192.168.0.3	Camera 08	Sub
😪 Camera 03	192.168.0.3	Camera 07	Main	192.168.0.3	Camera 04	Sub
😪 Camera 04	192.168.0.3	Camera 11	Main	192.168.0.3	Camera 03	Sub
📢 Camera 05	192,168,0,3	Camera 12	Main	192.168.0.3	Camera 07	Sub
😽 Camera 06	192.168.0.3	Camera 15	Main	192.168.0.3	Camera 11	Sub
😽 Camera 07	192.168.0.3	Camera 08	Sub	192.168.0.3	Camera 13	Sub
😽 Camera 08	192.168.0.3	Camera 10	Sub	192.168.0.3	Camera 02	Main
😽 Camera 09	192.168.0.3	Camera 13	Sub	192.168.0.9	[192.168.0.9]01	Main
📢 Camera 10	192.168.0.3	Camera 16	Sub	192.168.0.3	Camera 14	Main
R Camera 11				192.168.0.3	Camera 15	Main
Camera 12				192.168.0.3	Camera 10	Main
R Camera 13						
Camera 14						
-•65 Camera 14 -•65 Camera 15 -•68 Camera 16	Interval 5 sec	ond 🔻	Г	1 Interval 5 second	ht T	
€ Camera 15 € Camera 16 ■ 192.168.0.9	Interval 5 sec					
😴 Camera 15 😴 Camera 16	Device Name	Camera	Stream Type	Device Name	Camera	Stream Type
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3	Camera Camera 03	Stream Type Main	Device Name 192.168.0.9	Camera [192.168.0.9]01	Sub
 Section 2018 Sect	Device Name 192.168.0.3 192.168.0.3	Camera Camera 03 Camera 04	Stream Type Main Main	Device Name 192.168.0.9 192.168.0.3	Camera [192.168.0.9]01 Camera 01	Sub Sub
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3 192.168.0.3 192.168.0.3	Camera Camera 03 Camera 04 Camera 06	Stream Type Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02	Sub Sub Sub
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera Camera 03 Camera 04 Camera 06 Camera 15	Stream Type Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08	Sub Sub Sub Sub Sub
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera Camera 03 Camera 04 Camera 06 Camera 15 Camera 13	Stream Type Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04	Sub Sub Sub Sub Sub Sub
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04 Camera 10	Sub Sub Sub Sub Sub Sub
 Camera 15 Camera 16 192.168.0.9 	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera Camera 03 Camera 04 Camera 06 Camera 15 Camera 13	Stream Type Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 08 Camera 10 Camera 12	Sub Sub Sub Sub Sub Sub Sub
Camera 15 S Camera 16 S 192.168.0.9	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04 Camera 10 Camera 12 Camera 15	Sub Sub Sub Sub Sub Sub Sub Sub
€ Camera 15	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 08 Camera 10 Camera 12	Sub Sub Sub Sub Sub Sub Sub
Camera 15 Camera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 15 Sanera 15 Sanera 15 Sanera 15 Sanera 16 Sanera	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04 Camera 10 Camera 12 Camera 15	Sub Sub Sub Sub Sub Sub Sub Sub
Camera 15 Camera 16 9 192.168.0.9 6 [192.168.0.9]01	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04 Camera 10 Camera 12 Camera 15	Sub Sub Sub Sub Sub Sub Sub Sub
Camera 15 Camera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 16 Sanera 15 Sanera 15 Sanera 15 Sanera 15 Sanera 16 Sanera	Device Name 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera 03 Camera 04 Camera 04 Camera 06 Camera 15 Camera 13 Camera 08	Stream Type Main Main Main Main Main Main	Device Name 192.168.0.9 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3 192.168.0.3	Camera [192.168.0.9]01 Camera 01 Camera 02 Camera 08 Camera 04 Camera 10 Camera 12 Camera 15	Sub Sub Sub Sub Sub Sub Sub Sub

8.3 Monitor Contol

8.3.1 Monitor Status Display

Full screen display	1
Instant playback 🔹 🕨	
Image Quality	
Resolution	_
IP Video Zoom in Switch to Sub Stream	
Audio Chat	PC Decoder Setup
PC DVR Motion Setup	Open All Monitor
Views Manual Adjust	Close All Monitor
Device Abnormity Message About IP Register	192. 168. 0. 238-TV: 1 192. 168. 0. 238-TV: 2
PC Decoder Function 💦 🕨	192.168.0.99-TV:1

Select "Open All Monitor" in right click menu to view all the monitors connected in the system. You can drag them to anywhere. The names of current display cameras on TV client will be shown in the monitor window.

Also, you can open only one monitor at a time via selecting it in the monitor list below "Close All Monitor". For example, click "192.168.0.99-TV: 1" to open the third monitor in the list shown as above.

You can adjust the view mode, select cameras or groups to display and control PTZ on the monitor you opened just now. For more details, please refer to 8.3.2.

192.11	68.0.238-TV:1	View							NET
192.168.0.101 Camera-JST	192.168.0.102 camera 01	>>							NVR5.35
192.168.0.103 Camera01	192.168.0.3 3 Camera 01	PTZ Hide							Group Connect Liet Connect 2 192 163 0 103
									■
		192.168.0.10	1 92.1 68.0	192, 168, 0, 102	View				in International Internationa
		Camera-J 8 192, 168.8, 19 Camera03	2 152.168.0.102	Camera02 192.168.0.192 PTZ_Camera	>> PTZ				
		192, 168, 9, 63 1, 3 M (P	192, 168.0, 103 Cam erati2	192, 168, 0, 3 3 Camera 85	Hide				•
						192.1	68.0.238-TV:2	View	* * *
							192.168.0.101 Camera-JST	PTZ	Con ALL Dis ALL
						192.168.0.103 Camera02	192.168.0.3 3 Camera 05	Hide	PTZ Control Color/Audio Adjust DI/DO Control
7	-							e e e e e	

8.3.2 Monitor Control

View Adjust

Click view on monitor to enter this menu:

View 1	
🖌 View 4	
View 9	
View 16	
Hi de	_
Restart	

User can adjust the window split mode to 1, 4, 9 or 16 views mode.

When you select "Hide", the windows on TV client will be hidden. Also, select "Show" to show up the TV client windows.

When you select "Restart", TV client will stand by.

Display Groups

Click >>>> on monitor window to open the group name list. Select one

group to display on the TV client. And the corresponding cameras' names will be displayed in the monitor window.

1	92.168.0	.99-TV:1	
192. 168.0. 10 1 Camera-J 8 T	192. 168.0. 102 camera 0 1	192. 168.0. 102 Cam era02	View
192. 168.0. 102 Cam era03	152. 168.0. 102 Cam era04	192. 168.0. 102 PTZ_Camera	✔ Group1 Group2
192. 168.0.63 1.3 M IP	192. 168.0. 103 Cam era02	192. 168.0.3 3 Camera 05	Group3 Group4 Group5
			Group6
			Group7
			Group8
			Group9
			Group10
			Group11
			Group12
			Group13
			Group14
			Group15
			Group16
			Close All

When you select "Close All", you will close all the groups. At that time, there will be no camera displayed on TV client. And the monitor windows will turn to black. But you can drag cameras from "List Connect" panel to monitor window to display. Also, you can select a group name again to display.

PTZ Control

Click **PTZ** on monitor window to enter PTZ control menu.

. 1	92.168.0	.99-TV:1		Zoom - +
192. 168.0. 10 1 Camera-J ST	192. 168.0. 102 camera 0 1	192. 168.0. 102 Cam era02	View	Focus - +
192. 168.0. 102 Cam era03	192. 168.0. 102 Cam era04	192. 168.0. 102 PTZ_Camera	PTZ	Preset
192. 168.0.63 1.3 M IP	192. 168.0. 103 Cam era02	192. 168.0.3 3 Camera 05	Hide	

PTZ can only be controled when PTZ camera is selected. It's nearly the same with the operations on PTZ control panel. But you can only call the preset you have set. You can't set the preset here.

When there are more than one cameras displayed in a window, you can't control PTZ. But you can drag PTZ camera to this window to stop loop in the window and then control PTZ.

Close I mage

-	192.1	68.0.99-TV:1	
192.16		se Image	View
Camei		se Sequence	>>
192.168		192.168.0.9	PTZ
Camera		[192.168.0.9]01	Hide

Single-right-click in any window you like and then press "Close Image" to not display any video in that window. Of course, even there are more than cameras loop in that window, they will all be closed.

Pause/Continue Sequence

Single-right-click in any window you like and then press "Pause Sequence" to stop loop in that window.

	192.1	68.0.99-TV:1	
			View
192.1(Came	Clos	e Image	
Game	Paus	e Sequence	
192.16	9 0 2	192.168.0.3	PTZ
Came		Camera 08	Hide

After "Pause Sequence" is pressed, it will turn to "Continue Sequence" when you enter the menu again. Press it to continue the loop in the window.

	192.1	68.0.99-TV:1	
192.168	3.0.3	192.168.0.3	View
Camer		se Image	· >>
	Lon	tinue Sequence	
192.168 Camer		192.168.0.3 Camera 04	Hide

Close/Hide Monitor

Click Hide on monitor window to hide the window when you finished the settings.

Also, you can select "Close All Monitor" in right click menu to close all the monitors you opened.



8.4 Operations on TV Client

Setup Monitor	3
Exit	
Pause Sequence	
Pause All Windows Sequence	
Continue All Windows Sequen	ce

8.4.1 Setup

Click "Setup" to enter the interface shown as below. Please refer to 8.1.2 for details.

🛃 Setup	×
Common Setup	-Monitor Setup
Server IP 192.168.0.192	✓ Monitor1
Server Port 5001 Language English 💌 Save Cancel	V Monitor2
Language English 💌	
Save Cancel]

All the monitors connected to the TV client will be listed here. They are all checked as default so that they can be displayed. If you want to hide one

monitor, don't check it please. Refer to 1.4.2 for details.

Also, you can single-right-click the small icon on the task bar and then select "Setup" to enter the setup interface.



8.4.2 Monitor Control

Display/Hide the Monitor

Setup			_
Monitor +	~	Monitor1	
Exit	1	Monitor2	
Pause Sequence			
Pause All Windows Sequence			
Continue All Windows Sequence			

All the monitors connected on the TV client PC will be listed there if you click "Monitor". Select one monitor to hide it. If you don't check "Monitor 2" here, then, the monitors will turn to like this (The second monitor displays the desktop only.):



If you want to display it again, single-right-click the small icon on the task bar and then check it from the monitor list.

		Setup	
1	Monitor1	Monitor	+
1	Monitor2	Exit	

Pause/Continue Sequence



Pause/Continue Sequence will only pause or continue the loop in the window you selected.

Pause/Continue All Windows Sequence will pause or continue loop all windows in the display group.

Exit

Click "Exit" on the context menu to exit the monitor.

Also, you can single-right-click the small icon on the task bar and then select "Exit" to exit the monitor.