# Centralized Monitoring Management Platform

# Wigt 'Manual

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# 1. Products

## 1.1. Summary

CMSVision is a large-scale network monitoring and management software, distributed network topology, and support for streaming media transmitted directly connected to the network server front-end Video Capture:

1, and highly scalable, according to customer demands to expand their control, a control point is a centralized monitoring and management platform.

2, in the user access control, streaming media transmitted adoption of a unified user access control, streaming media server user permissions check, directly connecting the server front-end video capture, video capture server-tested for competence.

3, focus on monitoring and management platform supports multi-screen images and preview images as round, as well as electronic map image preview and joint operation of the police function.

4, in the network to adopt the most advanced technology to complete port in the same network environment than the general quality of the TCP network transmission more efficient, but also support the break-even.

5, support on the market today mainstream board and the mainstream DVR-embedded DVR or DVS.

6, front-end support remote video capture server configuration, remote video capture playback front of a video file servers, remote-control video capture front-end server Haeundae or other related equipment.

7, regular support, as well as video and manual on the server front-end video capture video on mobile alarm linked in a document on video playback, the manner and time of the progress of search and playback in the process of positioning can be arbitrary time intervals operation arbitrary state support Quick Search simultaneously positioning, support cycle broadcast, video editing documents, local amplification and video files can be damaged due to brownout and automatic restoration capabilities.

8, TV wall function.

9, centralized monitoring and management platform in the front-end server records the alarm log, for real-time alarm log.

10, or between management platform to support management platform and front-end servers Video Capture speaking voice and voice broadcasting.

## **1.2. Application Environment**

The configuration of the system requirements are as follows: Hardware CPU: P41.7GHz and above
Memory: 256MB and above
Graphics: Geforce 4 64MB and above
Software
OS: Windows2000, Windows XP, windows2003
DX: DirectX8.1 and above
Disk Space
In order to ensure the normal operation of video, hard disk free space may not be less than 80 G.

## 1.3. Install and uninstall

Install and uninstall very simple installation package is a self-extracting file, double-click the mouse directly install icon will be notified by the successful installation. Uninstall program in the Start menu, the selection "Program" -> "Centralized Monitoring Management Platform" -> "Uninstall", will be able to swap unloading procedures.

# 2. Centralized Monitoring Management Platform Help

## 2.1. Software start

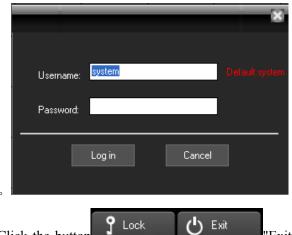
Direct operations in the installation directory under "CMS.exe" document will be launched on monitoring and management platform, or double-clicked desktop shortcut "CMS".

## 2.2. Login and Logoff System

System acc	ess		8
Username:	system		
Password:			
	Log in	Cancel	

In the login dialog box, enter the administrator user name (the default is: system) and password, click on the OK button to start the system.

Click the button "



Click the button "Exit" in the lower right corner, the pop-up "Exit System" dialog box, then click "Yes" button to exit.

### 2.3. Add Device

Device type: D/N/I 2013,DVR 2012,DVR 2011,DVR 2010 etc. D/N/I 2013(D means DVR, N means NVR, I means IPC) can automatically be searched and added.:



Host type	Description	Host name or IP	Port	Username	Password
D/N/I 2013	172.16.2.153	172.16.2.153	6911	Admin	*****
D/N/I 2013	172.16.2.189	172.16.2.189	6001	Admin	*****
D/N/I 2013	172.16.2.130	172.16.2.130	1301	Admin	*****
D/N/I 2013	172.16.2.230	172.16.2.230	6001	Admin	*****
D/N/I 2013	172.16.2.120	172.16.2.120	1201	Admin	*****
D/N/I 2013	172.16.2.137	172.16.2.137	6001	Admin	*****
D/N/I 2013	172.16.2.157	172.16.2.157	6001	Admin	*****
D/N/I 2013	172.16.2.229	172.16.2.229	6001	Admin	*****
D/N/I 2013	172.16.2.152	172.16.2.152 Userna	mes and p	asswords on th	e deviče
D/N/I 2013	172.16.2.155	172.16.2.155	6001	Admin	*****
D/N/I 2013 Select Device T	vpe 172.16.2.154	172.16.2.154	6001	Admin	*****
D/N/I 2013	172.16.2.160	172.16.2.160	6001	Admin	*****
D/N/I 2013	172.16.2.32	172.16.2.32	6001	Admin	*****
D/N/I 2013	172.16.2.156	172.16.2.156	6001	Admin	*****
D/N/I 2013	172.16.2.158	172.16.2.158	6001	Admin	*****
N /N // 2012	17010000	17010/000	2001	Admin	*****
D/N/I 2013	The office 1	d3333.edvrddns.com	6001	Admin	
D/N/I 2013 DVR 2012 DVR 5DI DVR TVT DVR 2011 DVR 2010	Con		Signali	ng port of devic	;e

Or you can add the device by clicking Auto Search . Type P2P ID in the host name, and 0 in

the port, then it can connect by P2P. Please check the below picture:

evice <b>l</b> anagement					
Host type	Description	Host name or IP	Port	Vsername	Password 4
D/N/I 2013	172.16.2.153	172.16.2.153	6911	Admin	*****
D/N/I 2013	172.16.2.189	172.16.2.189	6001	Admin	*****
D/N/I 2013	172.16.2.130	172.16.2.130	1301	Admin	*****
D/N/I 2013	172.16.2.230	172.16.2.230	6001	Admin	*****
D/N/I 2013	172.16.2.120	172.16.2.120	1201	Admin	*****
D/N/I 2013	172.16.2.137	172.16.2.137	6001	Admin	*****
D/N/I 2013	172.16.2.157	172.16.2.157	6001	Admin	*****
D/N/I 2013	172.16.2.229	172.16.2.229	6001	Admin	*****
D/N/I 2013	172.16.2.152	172.16.2.152	6001	Admin	*****
D/N/I 2013	172.16.2.155	172.16.2.155	6001	Admin	*****
D/N/I 2013	172.16.2.154	172.16.2.154	6001	Admin	*****
D/N/I 2013	172.16.2.160	172.16.2.160	6001	Admin	*****
D/N/I 2013	172.16.2.32	172.16.2.32	6001	Admin	*****
D/N/I 2013	172.16.2.156	172.16.2.156	6001	Admin	*****
D/N/L2013	172.16.2.158	172.16.2.158	6001	Admin	*****
N.M. 2010	172.10.2.20	173.10.3.30	C001	A desire	*****
D/N/I 2013	P2P	m20133333	0	<b>\$</b> Admin	
D/N/I 2013					
OVR 2012	Cor	ifirm [non rn] Cano	al		
OVR SDI	Cur	P2P ID	ei		
OVB TVT					
OVR 2011					
DVR 2010	Login		Cancel		
PC TST					
Cascade client	×				

Please note: you must choose the corresponding type in host type, self-define the description,

type the IP address, domain or P2P ID in host name or IP, and write CMD port of device or 0 if by P2P. The user name and the password are the same as that of the device.

🍯 Wetwork Video Centra	lized <b>L</b> ana;	gement Sof	tware						- <b>-</b> ×
Device List				Real-time	Monitoring				Control Panel
Add / Remove Device									ң 264 CMS
■ 172.16.2.130 ■ 172.16.2.230 ■ 172.16.2.120									FTZ
由									- Iris +
<ul> <li></li></ul>									- Zoom +
									PTZ Speed
									©PTZ Expand
								****	📑 Image Management
	-	Time	•	Device		•	Vser		X System Setup
	Type		07-11 18:55:30		.2.189 ] Camera	channel:[cam	user system	Description 🔺	Recording Features
	Video Motio		07-11 18:55:30		.2.160 ] Camera		system	host: [172.1	Advanced
	🟋 Video Motio		07-11 18:56:29	Host:[172.16	.2.31 ] Camera c	hannel:[camer	system	host: [172.1	
	Video Motio	n Alarm 2013-0	07-11 18:56:30	Host:[172.16	.2.229]Camera	channel:[cam	system	host: [172.1	🕈 Lock 🕐 Exit
Conservation and an	2012 07 11 10.5	2.00		10.64					

# 2.4.Main Interface Instruction

At the right of the main interface is the main menu area (ie. Control Panel area).

At the center of the main interface is the Real-time monitoring area.

At the left of the main interface is Device List area.

At the lower part is real-time alarm information display area.

Between the Real-time monitoring area and the real-time alarm information display area is the Split-screen display area.

Menu	Structure
1110IIG	Sugard

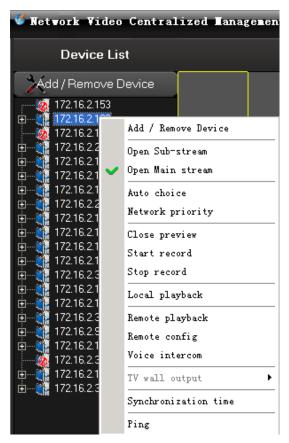
_								
	No.	First-level	Second-level	Third-lev	Function introduction			
		menu	menu	el menu				
	1	preview			Click the corresponding button to select preview			
					mode. Tour the preview channels, switch among			
					channels or snapshot live picture.Close / open live			
					preview.			

2	PTZ			Move the PTZ toward up, down, right, left by the control panel; adjust the step,zoom,focus,iris of PTZ; set the preset and cruise path; when turn on the cruise function, the PTZ will move according the preset cruise path.
3	Image managem ent			Set brightness, contrast, saturation, hue
4	System	Local setup	System	Select video storage, video streams; setup start-up OS
	setup		setup	and pack record.
			User	Add, delete, and manage the users; setup user name,
			managem ent	password and authority
		Remote	Device	Setup the device configuration in remote, and keep the
		config	config	setup in local DVR.
		Device	Add	Add device; revise the host name, host IP, the user
		management	device	name and password; and delete device
			Revise	
			device	
			Delete	
			device	
		E-map	Pop-up	Users can add or delete cameras in the simulate map
			E-map	and setup E-map alarm.
			Alarm	If an alarm event occurs, and the alarm points have
			relate	been added to the E-map, the map will pop up and
			E-map	flash the corresponding alarm device icon,
				double-click the icon to open the corresponding video.
		Alarm relate	Task	Alarm relate enlarge the window and start recording
		setup	schedule	The schedule setup of the alarm relate
		Alarm output	Short	Need buy the message module device to send message
		device	message	while alarm
		Close alarm sound		Turn on/off the alarm sound
5	Recordin	Start record		Select the corresponding channels or devices to start
	g features			recording
		Stop record		Select the corresponding channels or devices to stop
				recording
		Remote		Search the recording files from the remote device
		playback		
		Local		Search the recording files saved in the computer
		playback		
		Recording		Set the recording time in the CMS
		schedule		

		Set collective record	Set different DVR to record collectively
		Switch video file	If the pack record time is 1 hour, and you need backup or check the recording files that is unpacked, then you can switch video files.
6	advanced	Group setup	Combine or group any channels for cruise or group switch
		Switch group	switch the self-defined video group
		Video cruise	Set in group setup and automatically switch among the selected groups
		TV wall	Additional option, under development
		Voice intercom	The voice intercom among CMS
		View log	Search alarm,login, system operation, network log information
		See picture	Check the snapshot picture
		help	Users' manual

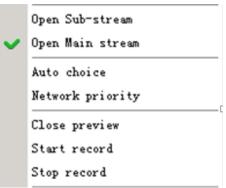
## 2.4.1.Image preview operation

Right-Click on the device or any camera of the device in the Device List area, then select "Open Sub-stream" or "Open Main stream" menu, can realize the image preview function.



There are three ways to open Preview:

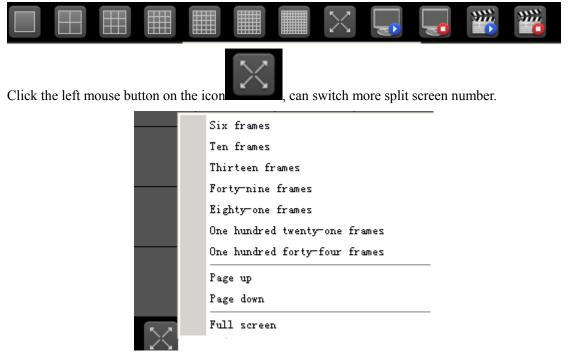
- 1. Right-click menu "Open Preview."
- 2. Rejection node to drag the video window on the left.
- 3. Access nodes in the double-click.



More than four menu items are selected based on the current node for the operation of the image, if selected node is the host, is that the main frame operating below all channels, if the selected channel is only the current channel operation If selected is the streaming media server, it is not gray with the state.

#### 2.4.2 Screen switch

The area between video display area and alarm information display area is the screen switch area.



Choose a different split screen button can be switched screen number. "Page up" and "Page down" page and "Full screen"-provided function. (Hint: PageUp and PageDown can turn the pages)



#### 2.4.3.Context menu

In the video display area, you can do the following operations by right-click the mouse:

Full screen						
Snap shot						
Close preview						
Close all preview						
Voice monitoring						
Digital zoom						

Close preview: close the video of the current channel Close all preview: close the video of all the channels Voice monitoring: to hear the voice from the live preview Snapshot: snapshot the picture, and save in the computer. If the pictures are saved in the default folder, then you can check the pictures by going to menu->advanced->see picture Full screen: full screen Digital zoom: to zoom any area of video

## 2.5. Remote operation PTZ

Image window is selected as the current window, if the current window configurations are PTZ, the button was available state:



Click the completion of the operation of the same action. Then click of a button

PTZ extend contro	1 ×
Preset control:	Call Set
Name	Value 🔺
1	0
2	1
3	2 3
2 3 4 5 6 7	4
6	5
	6
8	7
9 10	9
11	10 -
Start cruise S Value 1 Delay(sec.) 5 Add 2	top cruise
Track	Stop Set

## 2.6. Image Management

Image window is selected as the current window, point operation "Image Management" button

Image Management or scroll bar can adjust image brightness and color, image and voice volume can be adjusted.



Note:

Click the "Default" button et all the configuration about image management will restore the default.

Click the "All same" button all of the other channels will be set to the same image display status as the current selected channel.

## 2.7. System Setup

#### 2.7.1 System Setup

Go to menu->system setup->local setup, and pop-up the below window:

Local setup				×
System setup	User management			
Start-up OS				
	Run automatically			
	Automatic login OS	Admin Pwd.	Confirm Pwd.	
Video Store				
	Video disk: 🔽 c		Enable normal pack record time	
	Video disk: ♥ c ♥ d ♥ e ♥ f		Pack record time 60 🜩 min	n
	⊡ I			
Other				
	Detect decorder cards	Automatically lock syste 30	🗲 Sec Alarm delay <mark>20 🚖</mark>	Sec
			Confirm Cancel Apply	

System setup: setup the system according to your habits or requirements

Please note: the system select main stream by default. If you select sub-stream, please restart the software.

User management:

stem setup User management     User list Image: Password   system Image: Password   Image: Password Ima	al setup	_		_		_
User name       Password         System       Competence         System       Competence         Video nanagement       Alarn output management         Video preview       Remote control         Record       Playback         E-map       TV Wall         Snapshot       Log management         Video intercom       See picture	<mark>stem setup</mark> Usern	nanagement				
User name       Password         system       ************************************	User list	∎ 🗸 X 📾	- Compa	stanca		Select all Clear al
System       Local coning       Remote coning         Video management       Alarm output management         Video preview       Remote control         Record       Playback         E-map       TV Wall         Snapshot       Log management         Voice intercom       See picture	Vser name			alence		
Image: State of the	system	slalalalak	⊻	Local config	~	Remote config
Image: Shapshot Image: Shapshot   Image: Shapshot <			~	Video management	~	Alarm output management
Image: Strapshot       Image: Strapshot       Image: Strapshot       Image: Strapshot         Image: Strapshot       Image: Strapshot       Image: Strapshot       Image: S			⊻	Video preview	~	Remote control
Image: State of the state			⊻	Record	~	Playback
☑ Voice intercom ☑ See picture			⊻	E-map	~	TV Wall
			⊻	Snapshot	~	Log management
Exit			⊻	Voice intercom	~	See picture
			⊻	Exit		
				Confirm		Cancel Applu
Confirm				Confirm		Cancel Apply
Confirm Cancel Apply						

In the users management window, please click **b** to add user, **v** to revise the password,

to delete users. The right is the authority that user could have. Only the advanced admin can assign the authority to the new users.

#### 2.7.2. Remote configuration

In the "Device List" area to select a DVR, right-click, pop-up menu, select "Remote Config" menu

Or in the "Device List" area to select a DVR, then in the main menu, select the "System

Setup"->"Remote config", click of a button Remote config on the corresponding DVS brand Embedded Remote Configuration dialog.

Device :	setun			•							X
	_	luvo i l	<u> </u>	ال م	(	DT7 .	1	1.	lo :	1	
system sett	up Net setup	Net Services	Channel setup	Record	Alarm setup	PIZ setup	Userset	up   Log	Device Info		
Sy	stem time	2013-07-11	19:07:40	÷			Hard cover	r			
		_	_,								
Vic	deo Format	PAL		•		Dev	ice ID	1	\$		
				_		201		1.	<u> </u>		
De	evice name	IPC		_							
De	wice name	JIFC									
									Set		
	Reboot	1	Default se	tina	1						
_				ang -							
	Start update	•									
		1									
										Exit	1
										EXIL	]

To configure and control the device by client software, select remote config and the device from the devices list.

A, system configuration. Set the basic information of device and update the device in remote. Please check the below picture:

Device s	etup											X
System setu	P Net setup	Net Services	Channel setup	Record	Alarm setup	PTZ setup	User setu	µp∫Log	Device In	fo		
Sys	tem time	2013-07-11	▼ 19:07:40	•		₽н	ard cover					
		, -		_								
Vide	eo Format	PAL		•		Devid	e ID	1	\$			
, inc.	or onniac	1.05				5011	.012	1.	<u> </u>			
Der	vice name	IPC		_								
Der	Ace name	JIFC										
									Set			
					1							
_	Reboot		Default se	tting								
	Start update	.   [										
		1										
										E	xit	

B, network setup. Set IP, DNS and so on. Please check the detailed as below picture:

Device setup				X
System setup Net setup Net	Services Channel setup F	ecord Alarm setup PTZ setup	User setup Log Device Info	
Http port 80	Command port	6001 🗲 Data port	6002 🗢 Mobile port	6003 🚖
Local IP	172.16.2.154	Subnet mask	255.255.0.0	
Default Gateway	172.16.0.1	DNS server	202 . 96 .134 .133	
Alternate DNS	202.96.128.166	🔽 Automatic	IP	
			Set	
			_	Exit

C, network service.set device to visit it by WAN and to send email.Please check the below picture:

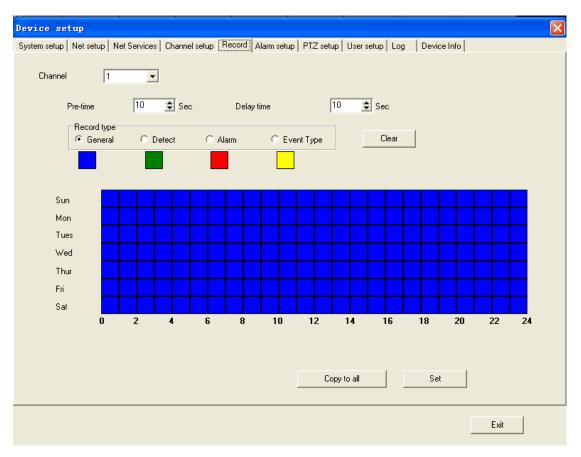
Device se	tup							×
System setup	Net setup	Net Services C	hannel setup 🛛 Record 🗍	Alarm setup	PTZ setup	User setup Log	Device Info	
Email	Enabled	Server	smtp. domain. com		Port	25	SSL	-
		User name	unknown		Password			
		Send	mailname@domain.co	om	receive	mailname@domain.(	com	
		🔲 Snap						
DDNS	Enabled	DDNS Type	members.dyndns.org	•	Domain	host.domain.com		_
		User name	unknown		Password			
PPPOE								_
Г	Enabled	User name	unknown		Password			
UPNP								_
L.	Enabled							
								Set
								Exit

D, channel setup. Set the resolution, frame rate, bit rate and change the channel name.please check

the details as the below picture:

Device setup							X
System setup Net	setup Net Services	Channel setup	Record Alarm set	up   PTZ setup   User setup	p Log Devic	e Info	
⊂Sub-strea ⊽ Er Channel		Frame rate OSD Name	30 camera4	Stream value	512	kbps	
Г	Main stream			Channel Properties			
	Resolution	720P	•	Channel type			
	Frame rate	25	\$	C Local chann	nel C IPC char		
	Stream value	2560	💌 kbps	IPC command por		•	
	Stream type	Video stream	-	IPC address	0.0	. 0 . 0	
	Stream type	video stream		IPC username	Admin	_	
				IPC password			
				Туре	J	<b>T</b>	
				Сору	to all	Set	
						Exi	it

E, record setup. Set the record time, record type. Please check the below picture:



F, alarm setup. Set alarm relate when the corresponding alarm( motion detection, video lost, alarm input) is triggered. Please check the below picture:

Device setup	
System setup Net setup Net Services Channel setup Record Alarm setup PTZ setup User setup Log Device I	nfo
Motion Detection Video loss Alarm input	
Channel Image: Channel   Sensitivity High   High Email     Alarm output   Alarm output channel   Image: Channel   Image: Channel     No Channel     Image: Channel <td>Copy to all Set</td>	Copy to all Set
	Exit

G, PTZ setup. Set the PTZ configuration to control PTZ. Please check the below picture:

Device setup	×
System setup   Net setup   Net Services   Channel setup   Record   Alarm setup   PTZ setup   User setup   Log   Device Info	
Channel 1	
Protocol Pelco-D	
Address 1	
Baudrate 2400	
Data bit 8	
Stop bit	
Check bit 0	
Speed 5	
Set	
Exit	

H, user setup. Add, delete, revise users and set the authority of the users. Please check the below

picture:

Device setup			· · ·			X
System setup Net setup	Net Services Channe	el setup   Record   Alarm se	etup 🛛 PTZ setup 🔟	Jser setup Log	Device Info	
User info		<				
User name Admin	Password					
Authority						
General set	up					
✓ PTZ control						
j♥ P12 contro	n					
🔽 Playback						
Recording	backup					
					Save	
					Exit	

I, log. Search system log and alarm log. Set the date and click search, then you will see the below picture:

Туре	System log	_		
Date	2013-07-11	-	search	
	1	-	S	
Index	Time	User	Log	^
1	2013-7-11 0:54:55	Admin	Remote exit the system	
2	2013-7-11 0:55:31	Admin	Remote login system	
3	2013-7-11 0:55:32	Admin	Video system regulation	
4	2013-7-11 1:0:30	Admin	System time settings	
5	2013-7-11 1:0:30	Admin	Remote exit the system	
6	2013-7-11 1:0:48	Admin	Remote login system	
7	2013-7-11 1:0:48	Admin	Video system regulation	
8	2013-7-11_1:0:49	Admin	System time settings	
9	2013-7-11 8:41:40	Admin	Remote login system	
10	2013-7-11_8:41:59	Admin	Remote login system	
11	2013-7-11_8:42:32	Admin	Remote exit the system	
12	2013-7-11 8:42:34	Admin	Remote exit the system	
13	2013-7-11 8:48:30	Admin	Remote login system	
14	2013-7-11_8:48:50	Admin	Remote login system	
15	2013-7-11_9:14:54	Admin	Remote exit the system	
16	2013-7-11_9:14:55	Admin	Remote login system	
17	2013-7-11_9:18:13	Admin	Remote exit the system	
18	2013-7-11_9:58:20	Admin	Remote exit the system	
19	2013-7-11_9:58:53	Admin	Remote exit the system	
20	2013-7-11_9:59:8	Admin	Remote login system	
21	2013-7-11 9:59:8	Admin	Remote login system	~
21	2013-7-11 10:17:58	Admin	Remote login system	

J, device info. Check the record channels, system version and other information. Please check the below picture.

Device set	սթ										X
System setup	Net setup	Net Services	Channel setup	Record	Alarm setup	PTZ setup	User setup	Log	Device Info		
		Record chan	nels:		1						
		Alarm input:			1						
		Alarm output:			1						
		System:			2.3.20						
		Build date:			2011.4.1						
		Disk counts:			0						
										Exit	

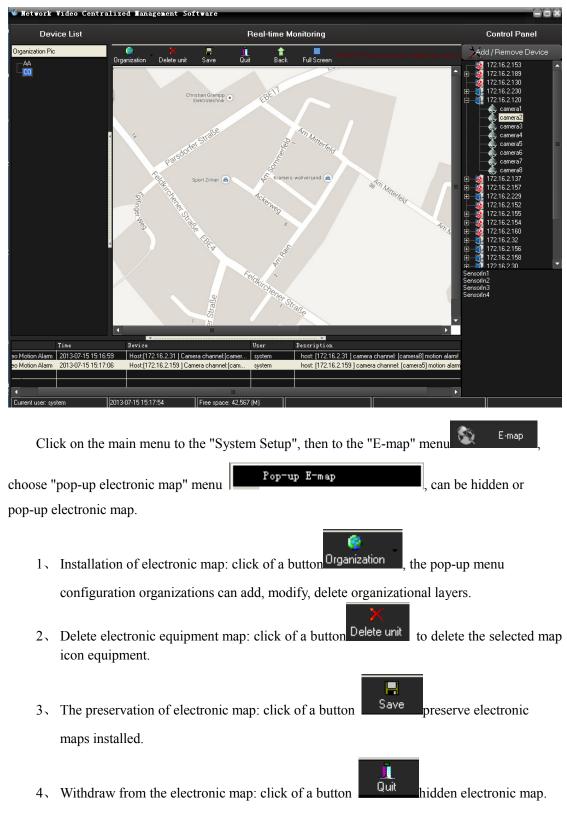
# 2.7.3. Remote Login settings

Host type	Description	Host name or IP	Port	Username	Password
D/N/I 2013	172.16.2.153	172.16.2.153	6911	Admin	*****
D/N/I 2013	172.16.2.189	172.16.2.189	6001	Admin	*****
D/N/I 2013	172.16.2.130	172.16.2.130	1301	Admin	*****
D/N/I 2013	172.16.2.230	172.16.2.230	6001	Admin	*****
D/N/I 2013	172.16.2.120	172.16.2.120	1201	Admin	*****
D/N/I 2013	172.16.2.137	172.16.2.137	6001	Admin	*****
D/N/I 2013	172.16.2.157	172.16.2.157	6001	Admin	*****
D/N/I 2013	172.16.2.229	172.16.2.229	6001	Admin	*****
D/N/I 2013	172.16.2.152	172.16.2.152	6001	Admin	*****
D/N/I 2013	172.16.2.155	172.16.2.155	6001	Admin	*****
D/N/I 2013	172.16.2.154	172.16.2.154	6001	Admin	*****
D/N/I 2013	172.16.2.160	172.16.2.160	6001	Admin	*****
D/N/I 2013	172.16.2.32	172.16.2.32	6001	Admin	*****
D/N/I 2013	172.16.2.156	172.16.2.156	6001	Admin	*****
D/N/I 2013	172.16.2.158	172.16.2.158	6001	Admin	*****
D/N/I 2013	172.16.2.30	172.16.2.30	6001	Admin	*****
D/N/I 2013	172.16.2.92	172.16.2.92	6001	Admin	*****
D/N/I 2013	172.16.2.150	172.16.2.150	6001	Admin	*****
D/N/I 2013	172.16.2.33	172.16.2.33	17501	Admin	*****
D/N/I 2013	172.16.2.159	172.16.2.159	6001	Admin	*****
D/N/L2013	172 16 2 31	172 16 2 31	6001	Admin	*****

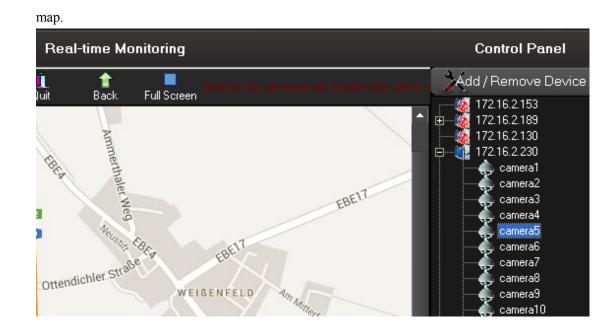
Click	on	the	main	menu	"System	Setup"	menu,select	"Device	Management"
menu	<b>≘¦î</b> ⊅	evice m	anagemenl	, or ri	ght-clicked	in the D	evice List are	a, select ".	Add / Remove
Device	. 7	Add / R	emove D	levice	, the pop-u	p Device	Management d	ialog box.	
1.	Add o	device	informa	tion: clic	k of a butto	add	remote device	information	l <b>.</b>
D/N/I 201	3						6001 🚖	Admin	
Auto	Search				Confirm		Cancel		
		e devi	ce inforr	nation: c	lick of a bu	utton 🔀 1	to delete the sel	ected remo	te device
informa	ation.					<u> </u>	-		
3.	Modi	fy dev	ice infor	mation:	click of a b	utton 🔽	remote device	e informatio	n revision.
D/N/I 201	3 Search		₹ 1	72.16.2.31	17. Confirm	2.16.2.31	6001 文	Admin	
				L	ogin		Cancel		

### 2.7.4. Electronic Map

Electronic map is a plan view of simulated field screen. In the electronic map, the user can add or delete the camera and set the E-map alarm in the corresponding position in the E-map. The electronic map intuitively show the location of each camera, and you can find the current monitoring page directly through the map.



5. Add electronic map equipment: Conventional operating area of the left side of the camera icon dragged on the map, the camera can be added to the



- 6. Electronic maps equipment operators: Double-click electronic camera icon on the map, to open the camera image.
- 7. Electronic alarm linkage map: Alarm relate e-map in the electronic map of the

election or switching to an electronic map shows that, if the server front-end video acquisition occurred alarm, and the police point has been added to the electronic map, the map will pop up and flashing icon corresponding alarm equipment , double-click the icon to open the corresponding video.

#### 2.7.5.Alarm relate setting

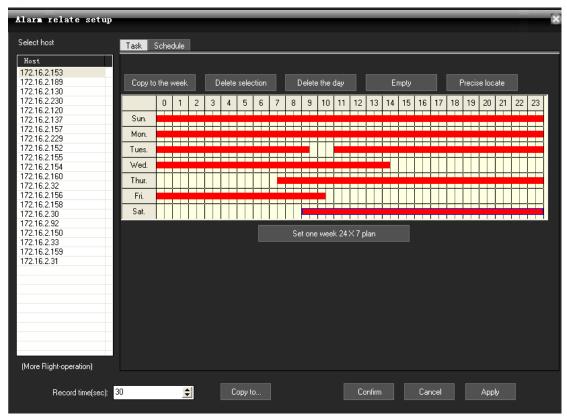
Select host	Task Schedule			
Host	⊡ Channel	<ul> <li>Relate Record</li> </ul>	Relate TV wall output:	
172.16.2.154 172.16.2.137	Channel1 Channel2	Channel1		 Relate short mess
172.16.2.130	Channel3	Channel2	🔘 None	
172.16.2.120	Channel4	Channel3		
172.16.2.157		Channel5	🗌 🔂 Ż	
172.16.2.214	- Channel5	Channel6	■ 2 3 4 5 6 7 8 9 10	Relate window zo
172.16.2.241	Channel6	Channel7		Relate window zo
172.16.2.30	- Channel7	Channel8		
172.16.2.220	Channel8	Channel9	9	
172.16.2.33	- Channel9	Channel10	El Esta	
172.16.2.116	Channel10	Channel11	l l ⊟ ğ	
172.16.2.218		🗌 🗌 Channel12	🔰 🛛 😇 10	
172.16.2.113	- Channel11	🗌 🗌 Channel13	0 11	
172.16.2.92	Channel12	🗖 🔲 🗌 Channel14	12	
172.16.2.32	Channel13	🗌 🗌 Channel15		
172.16.2.109	Channel14	Channel16	14	
172.16.2.219	Channel15	Channel17		
172.16.2.217	Channel16	Channel18	16	
172.16.2.216		Channel19	🔰 🛛 🔂 18	
172.16.2.31	- Channel17	Channel20	0 19	
11111	- Channel18	Channel22		
172.16.2.189	Channel19	Channel23		
172.16.2.229	Channel20	Channel24	23	
192.168.0.10	Channel21	Channel25	24	
172.16.2.230	Channel22	Channel26	25	
\$\$\$\$\$\$	Channel23	Channel27	0 26	
		Channel28		
	Channel24	Channel29		
	Channel25	🗌 🗌 Channel30	29	
	- Channel26	Channel31	18 19 20 21 22 23 24 25 26 26 26 27 27 28 29 30 30 31 31	
	- Channel27	Channel32	32 H	
(Mara Biald an and Card)	Channel28	Channel33		
(More Right-operation)	; ; •••••••••••••••••••••••••••••••••••			
Record time(sec):	30 🗢	Copy to	Confirm Cancel	Apply

pop-up "Alarm relate setup" dialog.

- cameras channel alarm linkage: Video Capture selected a server, right click, pop-up menu, choose "channel relate," the camera can be given for each video channel automatic alarm correlation can also manually set up video linkage, as long as check linkage channel video camera on the trip.
- 2. Set up joint police sensor: a video capture selected server, right click, pop-up menu, select "sensor related", each probe can be automatically linked to the police video (such as: "sensor 1" connection "Camera 1" video), can also be manually set up joint video, as long as the check linkage channel video camera on the trip.
- 3. Linkage video settings: Laws can be numerical.
- 4. Copied to the other server: click of a button Copy to..., the pop-up "copy to..." dialog box, check the server, click can be identified will be set up replication to other servers.
- 5. Save Settings: Setting up good, click can be identified.

Copy to		×
Host		
	<b>F</b> 4	<u> </u>
172.16.2.1		
172.16.2.1		
172.16.2.1		
172.16.2.1		
172.16.2.1		
172.16.2.2		
172.16.2.2		
172.16.2.3		
172.16.2.2		
172.16.2.3		
172.16.2.1		
172.16.2.2		
172.16.2.1	13	
172.16.2.9	2	
172.16.2.3		
172 16 2 1	09	
Select	Unselect	
	Confirm	Cancel

6, Click the above "schedule", then you can make alarm relate recording schedule according to your time.



The button Copy to the week can make the current day's setting copy to all the other days of a week.
The button Delete selection can delete the current selected time section.
The button Delete the day can delete the current selected day's time section.
The button Empty can empty all the sections of a week
The button Precise locate can accurately set the time to seconds.
Precise locate time
Week       Ime sect       Ime sect         ● Sun       ● 0:0:0-23:59:59         ● Mon       ● Tues         ● Wed       ● Thurs         ● Fri       ● Sat
Confirm Cancel
Click the button Click the button Click the precise position time interface as follows.
The button : Update Time section.
The button Elete Time section.

#### 2.7.6. Alarm out

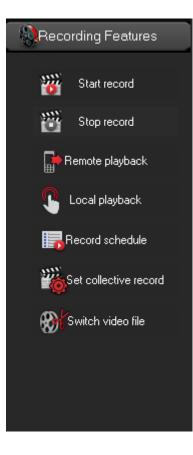
Alarm output device				8
Short message				
Start short message				
Serial port	COM1 💌	Baud rate	9600	-
Alarm service center phone number		Mobile phone number		
			Confirm	Cancel
Go to main menu->system setup->a	alarm output dev	ice, or click	Alarm output	device , then it
pop-up the window.				
This is not enable by default. Y	ou can enable	Z Start short messa	and write th	e serial port, bit

rate, alarm service center phone number, mobile phone number. After setup, just click "confirm"

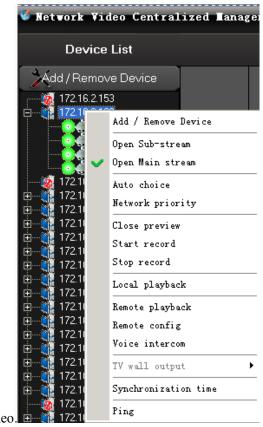
## 2.8. Recording Features

#### 2.8.1. Open and close the video

In the "Device List" area, click the right mouse button, the pop-up menu, select "Start record" menu Start record launched on recording video, select "Stop record" menu Stop recording. If you choose the server, the server started all channel record, if you select the camera access, video channel started.



2.In the equipment list, equipment or channel nodes, right-click menu, choose "start video", can



also open the local video.

~	Open Sub-stream Open Main stream	
	Auto choice	Recording Features
	Network priority	
	Close preview	💥 Start record
	Start record	
	Stop record	Stop record

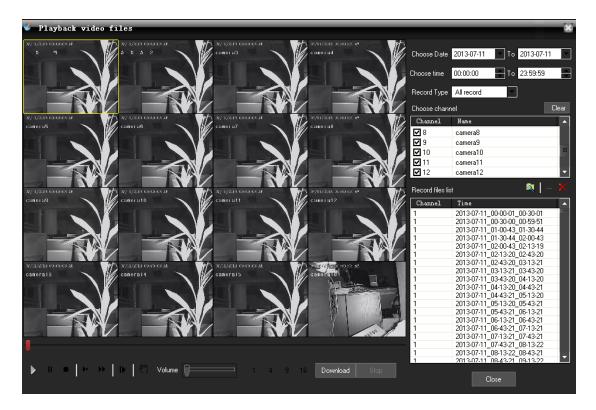
All the menu items above are based on the currently selected node for the operation of, if the selected node is host, all is operating under the corresponding host channel, if the selected channel is the only current channel operation, if the selected is streaming media server, is a state of gray is not available.

#### 2.8.2. Remote playback

In the "Device List" area, select a DVR, right-click, pop-up menu, select "Remote playback" menu

or click of a button Remote playback, if it is embedded DVR or DVS

Embedded Remote playback on the pop-up interface, Embedded Remote playback supporting up to one screen , four screen ,nine screen ,sixteen screen playback, each frame of a camera corresponding channel.



1, search records files: choose a date Choose Date 2013-07-11

select record types

Record Type All record

then check the cameras to channel playback

Channel	Name
<b>V</b> 3	camera3
☑ 4	camera4
5	camera5
<b>6</b>	camera6
7	camera7

search video files, video documents show , and click the button

that in the list

Record files li	st 🔍 🗖 🕹 🕺
Channel	Time
1	2013-07-11_00-00-01_00-30-01
1	2013-07-11_00-30-00_00-59-51
1	2013-07-11_01-00-43_01-30-44
1	2013-07-11_01-30-44_02-00-43
1	2013-07-11_02-00-43_02-13-19
1	2013-07-11_02-13-20_02-43-20
1	2013-07-11_02-43-20_03-13-21
1	2013-07-11_03-13-21_03-43-20
1	2013-07-11_03-43-20_04-13-20
1	2013-07-11_04-13-20_04-43-21
1	2013-07-11_04-43-21_05-13-20
1	2013-07-11_05-13-20_05-43-21
1	2013-07-11_05-43-21_06-13-21 2013-07-11_06-13-21_06-43-21
1	2013-07-11_06-43-21_06-43-21
1	2013-07-11_07-13-21_07-43-21
1	2013-07-11_07-43-21_08-13-22
1	2013-07-11 08-13-22 08-43-21
1	2013.07.11 08.43.21 09.13.22 III, click of a button III to delete the selected video
files, and c	elick clear video file list.
2. Playbac	k video files: Double click in the list of documents or click of a button <b>where</b> the records
2	
of play	ers selected documents in the playback process click of a
button,	II       ■       >
picture,	and other functions, drag image volume can be adjusted.
1 4	<sup>9</sup> 16, when playing back, switch split screen number. Click <sup>Download</sup> , can
download	remote DVR record.

## 2.8.3. Local playback

In the "Device List" area, click the right mouse button, the pop-up menu, choose "Local playback" menus Local playback, pop-up local playback interface.



## 2.8.4. Record schedule

Record schedule																											X
Please select a host:																											
Host 172.16.2.154 172.16.2.137 172.16.2.130 172.16.2.120	Channel  Channel 1 Channel 2 Channel 3 Channel 4	Copy to	the	week			)elete	e sele	ction			Delei	e the	day				mpty				Precis	e loc	ate			
172.16.2.120	Channel 5 Channel 6 =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
172.16.2.214 172.16.2.241 172.16.2.30	Channel 7 Channel 8	Sun.																		T						Π	
172.16.2.220	Channel 9	Mon.																									
172.16.2.33 172.16.2.116	Channel 10 Channel 11	Tues.																									
172.16.2.218 172.16.2.113	Channel 12 Channel 13	Wed.								$\square$			$\square$							$\square$							
172.16.2.92 172.16.2.32	Channel 14 Channel 15	Thur. Fri.			$\left  \right $				$\vdash$	$\left  \right $	$\left  \right $	+	++-									$\vdash$				┢	
172.16.2.109 172.16.2.219	Channel 16 Channel 17	Sat.		╟	┼┼	$\left  \right $	$\vdash$	$\vdash$	$\vdash$	╟	$\left  \right $	+	╂┼	╟	$\vdash$	$\left  \right $		$\vdash$	╟	╟	╟	$\vdash$	$\vdash$	$\left  \right $	$\vdash$	╟	
172.16.2.217 172.16.2.216	Channel 18 Channel 19	000											1														
172.16.2.31	Channel 20										S	et on	e wee	ek 24	X7p	lan											
11111 172.16.2.189 172.16.2.229	Channel 21 Channel 22 Channel 23																										
192.168.0.10 172.16.2.230	Channel 24 Channel 25																										
\$\$\$\$\$\$	Channel 26 Channel 27 Channel 28																										
Copy to	Copy to													Confir	m		Ca	ancel			Ap	ply					

The button	Set one we	eek 24×7 plan	can set continuous recording all the week.
The button	Copy to the week	can make the curre	ent day's setting copy to all the other days of a
week.			
The button	Delete selection	can delete the curren	ent selected time section.
The button	Delete the day	can delete the currer	nt selected day's time section.
The button	Empty	can empty all the sec	ctions of a week
The button	Precise locate	can accurately set th	he time to seconds.

Precise locat	te time		_	
	麚	Time sect	⊳ ∢ X	
r Week				
💿 Sun				
🔘 Mon				
🔘 Tues				
🔘 Wed				
💭 Thurs				
💭 Fri				
🔘 Sat				
<u> </u>				
		Confir	m Cancel	

Click the button Click

The button Update Time section.

The button Delete Time section.

click the button "Copy to..."

If any other channels are the same recording time setting as the current channel, just need to

C	hannel hannel hannel	26			
C	hannel	28	•		
•		►		_	
Copy to					

Copy to... below the channel list, the pop-up dialog

box.

button "Copy to"	[	Copy to	

below the host list, the pop-up dialog box.

#### 2.8.5. Set collective record

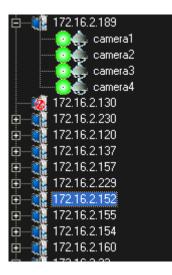
#### Set collective record

et collecti <del>v</del> e reco	rd			-
Recording channel	Delete	Please c	lirectly drag to the le	
Host name	Camera name		172.16.2.154	•
172.16.2.137	camera1	÷	172.16.2.137	
172.16.2.137	camera2	- No.	172.16.2.130	
172.16.2.137	camera3	÷	172.16.2.120	
172.16.2.137	camera4	÷	172.16.2.157	
172.16.2.137	camera5		172.16.2.214	
172.16.2.137	camera6	<u>**</u>	172.16.2.241	
172.16.2.137	camera7			
172.16.2.137	camera8	÷	172.16.2.30	
172.16.2.137	camera9	÷	172.16.2.220	
172.16.2.137	camera10	- No No.	172.16.2.33	8
172.16.2.137	camera11	÷	172.16.2.116	
172.16.2.137	camera12	<b>_</b>	172.16.2.218	
172.16.2.137	camera13		172.16.2.113	
172.16.2.137	camera14		172.16.2.92	
172.16.2.137	camera15	10		
172.16.2.137	camera16	÷	172.16.2.32	
		÷	172.16.2.109	
		÷	172.16.2.219	
		<b>iii</b>	172.16.2.217	
		<b>+iò</b>	172.16.2.216	
		÷	172.16.2.31	
			11111	
			172.16.2.189	
		÷	172.10.2.103	
		Confirm	Cancel	

Click the Main menu ->"Recording Features" ->"Set collective record" Set collective record, the pop-up "Set collective record" dialog box.

Select the host or some camera under host list, then directly drag to the left Camera list area. Click Confirm button. It needs to manually restart the software, the setting take effect.

Setting collect record function is used among the different channels of the multiple DVR to collect record and replay.



### 2.8.6. Switch video file by force

Click on the main menu "Recording Features", select "Forced to switch video file" menu

Switch vi	ideo file, the pop-up following confirm dialog box.
2	Are you sure you want to switch video files mandatorily?
	[]取消

Click confirm button, all the recording video files will be packaged and then can be immediately replayed, although in the Local setup->System Setup, the Record time is 60 min. that is to say every 60 minutes, there will be one package in the Video Store area of the PC.

Local setup				_			_	×
System setup	User manag	gement						
Start-up OS								
	🔲 Run au	utomatically						
	Autom	atic login OS	Admin Pwd.		c	Confirm Pwd.		
Video Store								
	Video disk:					ormal pack record t		
	VIDEO DISK.	cde VV						
		✔ f			Pac	ck record time 60	) 🚖 min	
Other							20	
	Detec	ct decorder cards	Automatically I	ock syste <mark>30</mark>	ᅌ Sec	Alarm delay	20 🚖	Sec
					Confirm	Cancel	Apply	

# 2.9. Advanced

### 2.9.1. Video group setup

Ad	ld Delete		Delete	Please directly drag the left
Vide	Group name group 1 group 2	Host name           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120           172.16.2.120	Channel name         camera1         camera2         camera3         camera4         camera5         camera6         camera8         camera8         camera8         camera8	172 16 2 154         172 16 2 137         172 16 2 130         172 16 2 120         172 16 2 120         172 16 2 157         172 16 2 157         172 16 2 157         172 16 2 214         172 16 2 241         172 16 2 30         172 16 2 33         172 16 2 33         172 16 2 113         172 16 2 113         172 16 2 128         172 16 2 133         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 218         172 16 2 219         172 16 2 219         172 16 2 217         172 16 2 217         172 16 2 218         172 16 2 219         172 16 2 217         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2 31         172 16 2
Cruise tim	ne (seconds): 15	<b>₹</b>	Confirm	⊕ <b>€</b> Cancel

Click on the main menu "Advanced" menu, choose "Group setup" menu, the pop-up "Video Group Setup" dialog.

1. Add video subgroups: adding video division click of a button.

Add

Delete

2. Delete video subgroups: click of a button to delete video division.

add video display images groups: the right camera icon will be dragged directly access the list can be added the camera channel.

name	Channel name	172.16.2.154
5.2.120	camera1	🕀 🕀 172.16.2.137
5.2.120	camera2	172.16.2.130
5.2.120	camera3	in 172.16.2.120
5.2.120	camera4	📥 camera1
5.2.120	camera5	amera2
5.2.120	camera6	amera3
5.2.120	camera7	
5.2.120	camera8	armera4
		🔍 🧶 camera5
		🔔 camera6
		camera7
		📥 camera8

3、Video Amending settings as packet round: the lower part of the • Cruise time (seconds): 15 depending on time round can be set up, check value the video to determine which groups will enter the round as group. 

viue	oroup name	
	group 1	
$\checkmark$	group 2	

#### 2.9.2. Video group switch

After setting multiple groups, multiple groups can be manually switched as follows:



Select one group, then all the channels of the group will open preview in the Real-time monitoring area.

### 2.9.3. Video cruise

Click "Video cruise" button in the main menu "Advanced", then all the groups will poll and switch according to the cruise time. Every 15 seconds, the group will be switched to display, if set as

follows.	🗥 Video cruise	<b>ి</b> ు	Stop cruise

### 2.9.4. TV Wall

Click on Main Menu "Advanced" ->"TV wall", select "TV wall setup" menu, the pop-up "TV wall Output Settings" dialog.

Note: Decoder card must be installed or TV wall setup is disabled.

IV wall output	: setup							×
Group mode Roll	mode					Pleas		
∎×∢					Delete		172.16.2.154 172.16.2.130	
Group 1	17	Cost name 2.16.2.30 2.16.2.92	са	hannel n mera3 mera6			172.16.2.214 172.16.2.241 172.16.2.30 (a) camera3 172.16.2.220 172.16.2.33 172.16.2.116 172.16.2.113 172.16.2.113 172.16.2.32 172.16.2.32 172.16.2.219 172.16.2.217	
Interval time (seconds)	: 15	•		(	Confirm	C	ancel	
TV wall								
∰∰Voice in!	TV-Wall TV wall setup							
View	Cruise output Manual output	•						
🔍 See pi	Manual priorit	ty						

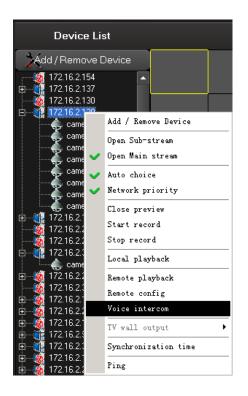
- TV wall set up sub-groups: the click of a button , add TV output wall grouped under the group name below actual output channel matrix card number automatically generated output channel list, the click of a button to delete the selected output sub-click of a button Laws selected output division title. Below is the output of each division wall TV output channel, a corresponding output channel.
- 2. Television set output wall display images: the left side of the camera will be dragged directly on the camera can be selected for the television display output channel added output images. According to the output of each channel of the camera, and automatic segmentation images. The following chart output channel 1 added four camera images, when output to a television, the whole TV screen will be automatically divided into four images, showed that four camera images.

<ul> <li>group 1</li> <li>1</li> <li>2</li> <li>3</li> <li>4</li> <li>n</li> <li>group2</li> <li>n</li> <li>New group</li> </ul>	Host name 172.16.2.152 172.16.2.155 172.16.2.154 172.16.2.160	Channel name camera3 camera1 camera4 camera2	172.16.2.130         ■       172.16.2.152         ↓       camera3         ■       172.16.2.155         ↓       camera1         ■       172.16.2.154         ↓       camera4         ■       172.16.2.160         ↓       camera4         ■       172.16.2.160         ↓       172.16.2.156
3. Polling wall		output: the lower	part of the revised
value wall interval.		■ can be set by polli	ng group output to the TV

- 4. TV wall output operation: the main menu click on the "TV wall", select "Round robin output" or "Manual output" menu, can be achieved by grouping polling output to a TV wall or manually select group output to a TV wall.
- 5. If you do not want to continue to export images to TV wall at the main menu can "TV walls", select "Close output."

### 2.9.5. Voice intercom

### 2.9.5.1 Voice intercom (between CMS and DVR)



In the Device List area, right-clicked one device, select "Voice intercom", the pop-up Network



intercom dialog box as follows.

Click the "Start intercom" button to start chat.

📽 Networl	t intercom		×
	Stop intercom		
		Exit	

Click the "Stop intercom" button to stop chat.

# 2.9.5.2 Voice intercom (between CMS and CMS)

Network intercom				×
Host		Port	12358 🗲	
Name				
Target hosts list			+ -	
Host	Port	Name		
Intercom Broadcast				
_				
Auto responder			Exit	

Go to main menu->advanced->voice intercom, then it pop-up the window. 1, set the host:

A, add the host:

First input the IP or domain of the host, then click +, then the host is added

B, delete host:

	Select a host, then click
C	e, after enable Autoresponder, CMS directly start voice intercom without the pop-up
reques	t.
2, cont	trol voice intercom:
S	elect a host, then click Intercom to start voice intercom.
С	Slick Stop to stop voice intercom.

## 2.9.5.3 voice broadcast (between CMS and CMS)

Network intercom			
Host		Port	12358 🗲
Name			
Target hosts list			+ -
Host	Port	Name	
Intercom Broadcast		-	Stop
Auto responder			Exit
		D	de set

Go to main menu-> advanced-> voice intercom, then click

1, set broadcast target host. The same way as the voice intercom, and you can not set target host while broadcasting.

2, control broadcast:

Select a target host, then click	Broadcast	to start broadcast.
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Click Stop to stop

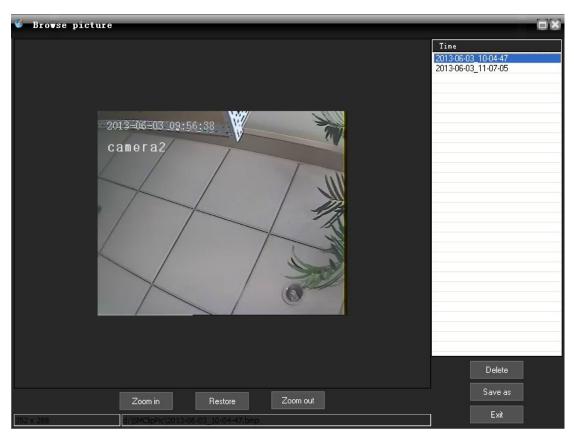
to stop broadcast.

# 2.9.6. View log

Log management				
			Refresh	ar the log
alarm Login Operation	Network	Time	Log events	User name
- 2013-07		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera3] video	system
2013-07-11		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera4] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera5] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera6] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera7] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera8] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera9] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera10] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera11] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera12] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera13] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera14] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera15] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.157\camera16] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.30\camera3] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.220\camera3] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.116\camera15] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.218\camera2] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.113\camera9] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.92\camera6] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.32\camera4] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.109\camera11] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.219\camera5] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.217\camera13] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.216\camera4] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.31\camera7] video	system
		2013-07-11 14:45:29	Local camera users to open [11111\camera1] video	system
		2013-07-11 14:45:29	Local camera users to open [11111\camera2] video	system
		2013-07-11 14:45:29	Local camera users to open [11111\camera3] video	system
		2013-07-11 14:45:29	Local camera users to open [11111\camera4] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.189\camera1] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.189\camera2] video	system
		2013-07-11 14:45:29	Local camera users to open [172.16.2.189\camera3] video	system
		2012 07 11 14 45 29	Local compressions to open [172:16:2:199] compress[] video	austore

Click on the main menu "Advanced", select "View log" menu Clear the log , the pop-up "Log management" dialog box.

### 2.9.7. See picture



Click on the main menu "Advanced", select "See picture" menu, the pop-up plug dialog box. Note: only can see the picture in the default snapshot path.