# Network Video Monitor Software V2.0.1.6

user manual

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# **1** Product Overview

# 1.1 Overview

Network video monitoring software is a centralized management software for I8 protocol surveillance devices which include NVR, DVR, IPC, MDI, SDI, etc. It support video preview, playback, electronic map, TV wall, Log, configuration and other kinds of functions, greatly promoted the users supervision and control.

Each PC only support one software operation, it is free for 18 protocol products access, it is free for 16 PCS ONVIF protocol products access. Other protocol products access need authorization (Without authorization, it only support 1 product access).

**Note:** After authorization, the automatically memory function let the accessed devices number recorded, users have to delete the recorded channels information as the front devices log out.

# 1.2 System operation environment

Operation system: Microsoft Windows XP or later CPU: Intel(R) Celeron(R) CPU E3400 @2.6GHZ or later HDD: 2G or later Network: Gigabit network interface controlle for PC, Gigabit network for interchanger

# 2 Software Introduction

Double click installation program icon

Installation instruction

VMS\_setup.exe

to operate the software, and the below

interface will pop out, select the language version, and click "OK":

Select Se	tup Language
₿	Select the language to use during the installation:
	English English 简体中文



Click  $\ensuremath{\textbf{Next}}$  to go to store location selection interface, users can click

location file:

13 Setup - Video Monitor Client	
Select Destination Location Where should Video Monitor Client be installed?	
Setup will install Video Monitor Client into the following folder.	
To continue, click Next. If you would like to select a different folder, click C:\Program Files\VideoMonitorClient	Browse
At least 39.5 MB of free disk space is required.	
< Back Next >	Cancel

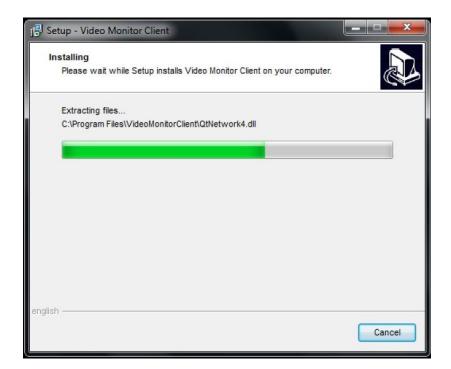
Click Next, and the below interface will pop out, it will convenient to select Create a desktop icon:

to select the store

18 Set	up - Video Monitor Client
	ect Additional Tasks Which additional tasks should be performed?
	Select the additional tasks you would like Setup to perform while installing Video Monitor Client, then click Next.
	Additional icons:
	Create a desktop icon
english	
	< Back Next > Cancel

Click Next, it will create a desktop icon and then click Install, meanwhile software installation running.

📳 Setu	ıp - Video Monitor Client	×
	ady to Install Setup is now ready to begin installing Video Monitor Client on your computer.	
	Click Install to continue with the installation, or click Back if you want to review or change any settings.	
	Destination location: C:\Program Files\VideoMonitorClient Additional tasks: Additional icons: Create a desktop icon	*
	4	-
english	< Back Install Ca	ancel





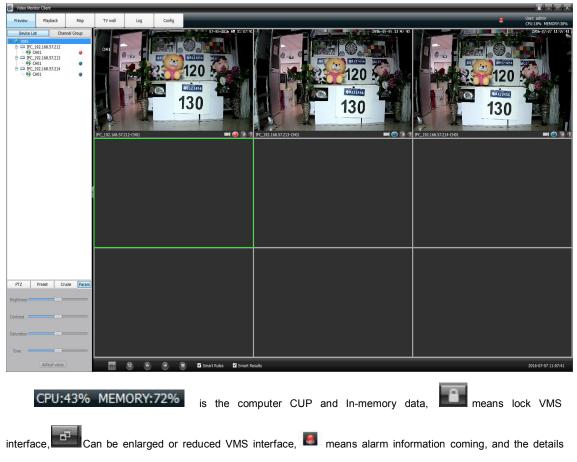
Click Finish to complete installation.



After software installation successfully, click the corresponding desktop icon Monte to operate it. The follow interface will pop out, input user name and password ( Default User name is admin, password is blank) to log in. Any modification for ADMIN please go to client-side to handle:

🥌 User Login	×
user name:	admin
password:	
	Auto Login
	Login

As log in the main interface, it divide into 6 modules include Preview, Playback, Map, TVwall, Log, Config:



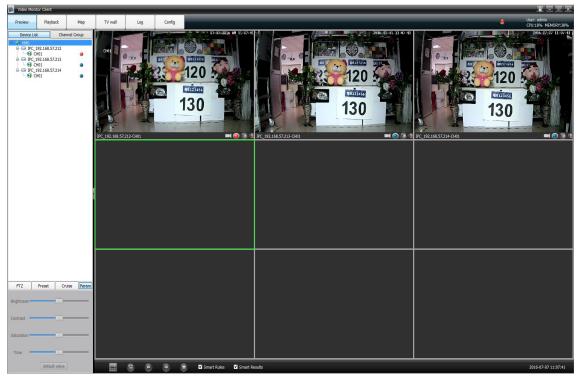
alarm information as below:

	time	type	source	remark	state
1	2014-10-17 17:50:39	AlarmInput	CMS-NVR_12.120.130.248-NetAlarmIn1		Alarm Begir
2	2 2014-10-17 17:50:40	AlarmInput	CMS-NVR_12.120.130.248-NetAlarmIn2		Alarm Begin

Note: When you have to log out, please click icon at the displayer right corner, it is useless to click icon at top right corner.

# 2.1 Video preview and recording

Double click the selected device address information at the left list, and the device corresponding channels will come out, double click the selected channel or drag the selected channel to right window to open the video preview( There is a triangle icon at the channel number left when the corresponding channel device operation ). See as below:



### 2.1.1 Right mouse button for devices /channels

- Channels status
- 1) There is a same circle icon behind the channel number and the preview window right corner, blue
  - icon 🧕 means video recording not open, red icon 🧕 means video recording open.
- 2) When you selected the video preview window, the corresponding channel number on left list will turn



- Right mouse button for devices
- 1) Open all preview
  - Click right mouse button at device to select open all video preview
- 2) Close all preview

4)

Click right mouse button at device to select stop all video preview

- 3) Open all record
  - Click right mouse button at device to select and then start all channel devices video recording Close all record
  - Click right mouse button at device to select close all channel devices video recording

#### 5) All channel main stream

Select the devices, set all channel video images mode to main stream

- All channel sub-stream
   Select the devices, set all channel video images mode to sub stream
- 7) Start/stop intercom

### 2.1.2 Right mouse button for windows

1) Stop preview

Click right mouse button to stop the selected window video preview

2) Capture

Click right mouse button to do real-time capture for preview interface, and then store the capture file

#### to specified directory

3) Start/ Stop record

Click right mouse button to start or stop the the corresponding channel local video recording

4) Open/ Close sound

Click right mouse button to set open or close the corresponding channel audio preview( There are only support opening one channel sound simultaneously)

5) Stop all preview/ tour

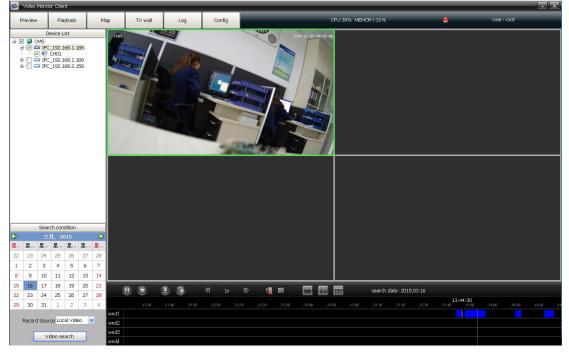
Click right mouse button to stop all video preview or group tour preview

- 6) Full screen/ Exit full screen
- 7) Image process

📓 Video	Process (lev	el 1 is t	he lowest	)		? 🔀
Defog	O level 1	O level 2	O level 3	⊙ No		
Enhance	O level 1	O level 2	O level 3	💿 No		
Dejitter	O level 1	O level 2	O level 3	O level 4	O level 5	⊙ No

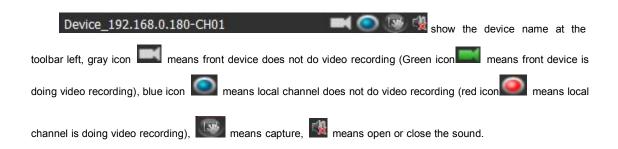
There are defog, image enhance, dejitter functions.

- 8) Enable 3D Positioning
- 9) Click right mouse button to select enable 3D positioning or not
- 10) Playback



There is the video playback interface, More details for operation steps please refer to video playback module introduction.

### 2.1.3 Single preview windows toolbar



### 2.1.4 Total video preview windows toolbar



respectively is Set split-screen, Start/ Stop

polling, Last group, Next group, Stop all preview/ Polling.

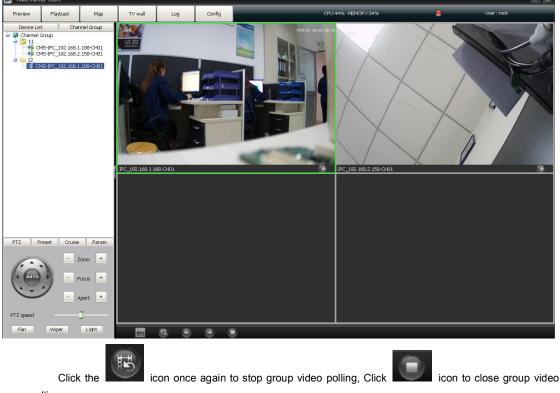
### 2.1.5 Device video group polling

Add two or more then two channels video to compose a group( More details for operation steps please

T.

refer to Config module introduction), Click

icon to start group video polling. As figure below:



polling.

### 2.1.6 PTZ

### 2.1.6.1 PTZ control

Click **PTZ**, it control the camera lens 8 directions respectively is Up, Down, Left, Right, Up left, Down left, Up right, Down right, Zoom +/-, Focus+/-, Apert +/-, PTZ speed, Light, Wipers, Fan. As figure below:

	- Zoom +
AUTO	- Focus +
	- Iris +
PTZ speed	()
Fan	Wiper Light

### 2.1.6.2 Preset

Click **Preset** to enter into preset setting interface:

PTZ	Preset	Cruise	Param	1
No.	P	reset Name		^
1				
2				
3				
4				
5				
6				
7				
8				~

Turn the camera lens to appointed location, and select the serial number, click

J and there

Set

is a "Set Preset Name" interface pop out, edit preset name and click OK.

SetPresetName	?
Preset Name	
ОК	Cancel

If you want to modify the preset location, turn the camera lens to appointed location directly and click

	с.	~	٠
	-	е	Ł
	-	-	-

to change and save it. Total configurable presets depend on front device supporting.

Click Clear to delete the setted preset

Select the serial number and click **Move to**, the camera will go to the corresponding setted location directly.

#### 2.1.6.3 Cruise

PTZ	Preset	Cruise	Param
No.	Crui	se path nam	e 🔷
1			
2			
3			
4			
5			
6			
7			
8			~
	C	Set Ca	II Stop

Click Cruise to enter into preset setting interface:

Select a serial number and click **Set**, the below interface will pop out:

C	ruise path pa	oth 1		
Cruising point	Preset	ι	uis <mark>e time(secon</mark>	uising speed (1
1	Preset1	•	10	5
2	Preset2	•	10	5
3	Preset3	-	10	5
	Preset1 Preset2 Preset3	î		
	Preset5 Preset4 Preset5 Preset6 Preset7 Preset8 Preset9 Preset10	Ŧ		
•	111	_		•

Input the cruise name, click **Add**, and select the specified preset, then set the cruising time and speed. Repeat above operation to add the second and third cruising point, configurable cruise point numbers depend on front device supporting.

Select the cruising point number and click Delete to delete the corresponding cruising point,

After complete the setting, click **Save**. Click **Call** to start cruising, and click **Stop** to close the cruising.

#### 2.1.6.4 Param

Click Param to enter into parameters setting interface:

PTZ (	Preset	Cruise	Param
Brightness		-0	· · · ·
Contrast		-0,	
Saturation		-0	
Tone		]	
	defa	ult value	

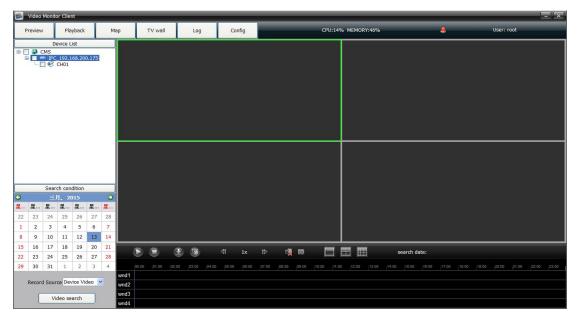
Set the selected channel preview window brightness, contrast, saturation and tone, click **default value** to make the parameters restore default. It only support brightness and contrast setting for current I8 protocol.

### 2.1.7 Preview window video image electronic zoom

As select the channel preview window, it support video image electrical smooth zoom in by mouse middle button wheel operation.

# 2.2 Video playback

Click Playback to go to video playback module, as figure below:



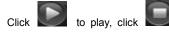
### 2.2.1 Local video search

Click 🗹 icon in front of the device information while all channels following this device will be selected,

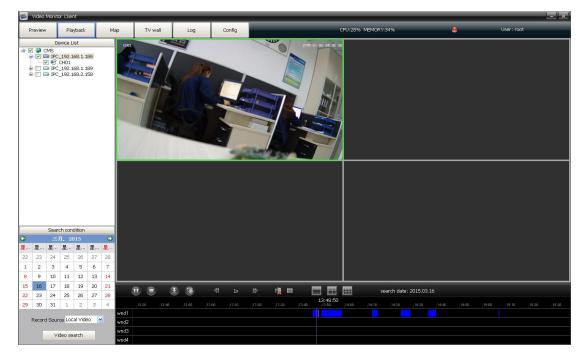
click icon in front of icon to show the scope selection drop-down list, and determine to search the needed channels video( Each device only support 9channels video playback at the same time, different devices record video can not playback at the same time). Set the date, select record scope( Local video/ Device video) and click video search to view the record video. As figure below:



# 2.2.2 video playback operation



to stop, double-click on the blue video progress bar can pinpoint



playback. As figure below:

In the playback interface, double-click a playing window can get a preview interface full-screen display, or right

mouse click on the playing window to select Full screen, it will get a displayer full-screen display.

### 2.2.3 Record download

٢	2	li,	-	r

icon to download the video image, there a video record download page will pop out. As figure

below:

Location	Remote		<b>+</b>		
Channel	VMS-NVR_192.1	68.50.101-0	CH3	Se	lect
Interval	2016/6/22 0:00	:00 韋 to	2016/6/22 23	:59:59 🗘	
Store path	cDownload\VMS	-NVR_192.1	58.50.101-CH3	\device\ Bro	owse Ope
File Form <mark>a</mark> t	IVA 🖲	O Pri	vate		
Progress					0%

Select the video location(Remote/ Local), download channel, time interval and video store path, click start or stop to download, the file will save in the specified path.

Attention: It is best to use VLC media player to play the downloaded file.

### 2.2.4 Tool bars



### 2.2.5 Playback image electronic amplification

During video playback, select one window and scroll with the mouse, the video image will Zoom in.

# 2.3 Electronic map/ Configuration map

Click **Map** to enter into map function module, opening( \*Electronic map). As figure below:

Use-Mode

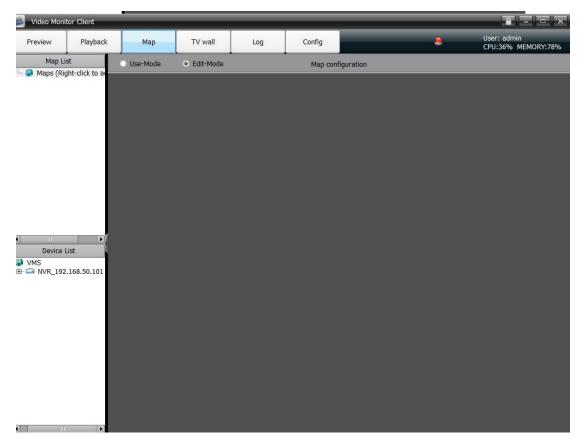
means the electronic map are

📓 Video Moni	tor Client			_		
Preview	Playback	Мар	TV wall	Log	Config	User: admin CPU:80% MEMORY:77%
Map Li		Use-Mode	Edit-Mode		Electronic Map	
🖵 🚇 Maps (Rig	ht-click to a					
Device 1     Device 1     Ovice 1     Ovice 1     NVR_						

Select Edit-Mode

means the electronic map are in configuration (\*Configuration map). As

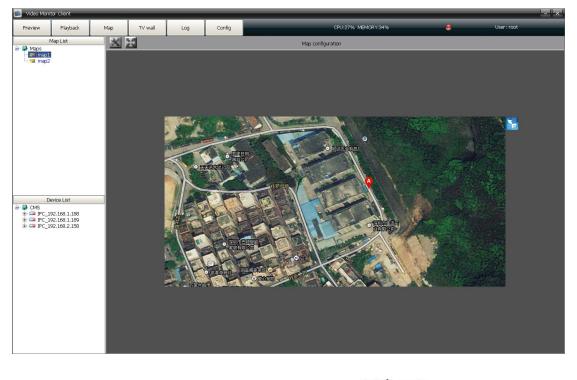
figure below:



### 2.3.1 Add map

Configuration map	🔘 Edit-Mode	status, right mouse click on 🌑 Ma	ps and select New
Map, the follow interface with	ll pop out,		
	📕 AddMap	? 💌	
	map name map map image abc29	2  b448bb52d531d308935.jpg	
		OK Cancel	

Edit the map name and add a map picture, click OK, the map added successfully:



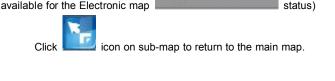
### 2.3.1.1 Right-click on map name

• Delete map

Delete the current map

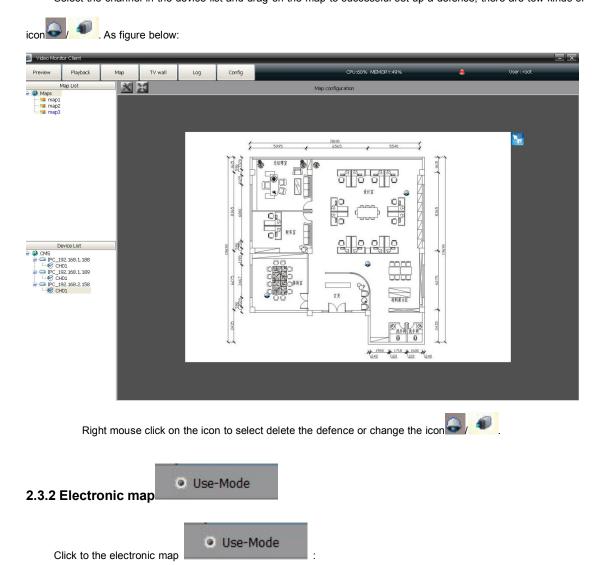
• Add child map

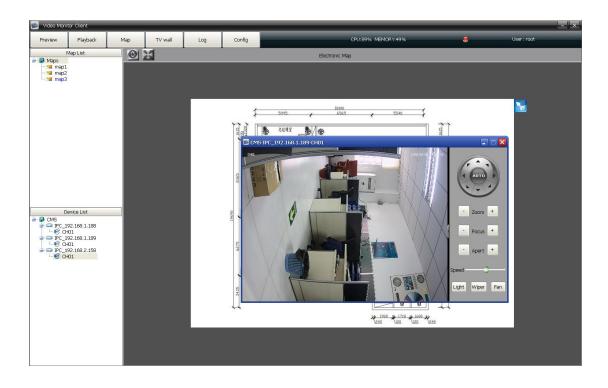
Add a sub map for the current main map, icon will appear on the main map, there are only 2 levels for each main map, so it can not add a new map under the sub map. double click to open the sub map( It is only available for the Electronic map use-Mode status)



2.3.1.2 Right-click on

Select the channel in the device list and drag on the map to successful set up a defence, there are tow kinds of





2.3.2.1 Right mouse click on

- Channel preview
- Channel playback (More details for operation steps please refer to video playback module introduction).

# 2.4 TV -Wall

Video Mor	nitor Client										- ×
Preview	Playback	Мар	TV wall	Log	Config		CPU:17% MEMORY:	50%		User: root	_
Decoder L		nnel Group	Daily	Playback				Daily			
L Decoder			Daiy	Proyudux				Uaiy			
	Device List										
⊕ QMS ⊕ GMS ⊕ GM IPC_	192.168.200.175										
				III III	Matrix 4	🗘 * 4 🗘 Set	B 🗧	ی ا	Tour Interval(S	Sec) 30 💲 Set	

Decoder list is used to add new decoder and show the added decoders. Right mouse click on

Decoder , select Add decoder , the follow interface will pop out, As figure below:

Device IP	Search
Port	
Device Name	
User	
Password	
	1
Area Belong	
ОК	ancel

Input the device IP, port, device name of decoder and then click OK. If there are many decoders, click search and open the search interface. As figure below:

Device SN	Device Type	IP	Subnet Mask	Port	Device Name	User Name	Password	
01401010611	DEC-140-16CH	192.168.1.179	255.255.255.0	5050	Dec_192.168.1.179	admin		Modify IP

Check multiple decoder devices , click Bulk add. Or check and add the decoder device one by one.

### (1) Add ordinary decoder matrix:

After add the decoder, according to the TV-wall to set matrix display through the toolbar on the screen below



(Or click right mouse button-add preview window), input the numbers

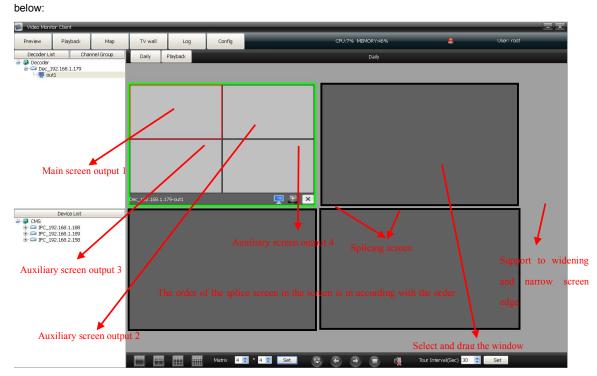
and click SET. As figure below:

🗐 Video Monitor Client				- ×
Preview Playback Map	TV wall Log	Config CPU:	3% MEMORY:46%	a User: root
Decoder List Channel Group	Daily Playback		Daily	
L- Decoder				
				Support to widening and narrow screen edge
Device List				
		Motrix 4 3 • 4 3 Set 😤 🏹	Select and dra window	g the (Geo) 30 🔅 Set

Preview window right-click menu: Add new preview window /delete Preview window .

#### (2) Add joint decoder matrix:

Preview window right-click to add new preview window and according to the TV wall to set it directly, as figure



Preview window right-click menu: Add new preview window /delete Preview window .

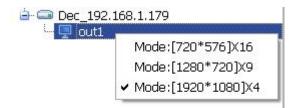
### 2.4.1 TV-wall daily

TV-wall daily include decoder preview and decoder rotation. Drag the decoder to the matrix, there will appear relevant information about decoder on the screen. As figure below:

📓 Video Manit	tor Client				_						- ×
Preview	Playback	Мар	TV wall	Log	Config		CPU:62% MEMORY:5	1%		User: root	
Decoder Lis	st Cha	nnel Group	Daily	Playback			Daily				
Decoder	92.168.1.179 t1	_									
			6	iCH01		€jicH01					
			G Dec_192.168.1.	iCH01		📮 😫 🗙					
	Device List										
	22 168 1 188										
					Matrix 4	🕏 * <mark>4 🕏 Set 🕀</mark>		rý Tour Inter	val(Sec) 30 🚖	Set	

(1) Video image resolution

Click the right mouse button on preview window to select the video image resolution, as figure below:



Mode: (720\*576) \*16 means the highest resolution is 720\*576, and support max 16 channels preview at same time

Mode: (1280\*960) 9means the highest resolution is 1280\*960, and support max 9 channels preview at same time

Mode: (1920\*1080) 4 means the highest resolution is 1920\*1080, and support max 4 channels preview at same time

Note:

- Different decoder have different resolution mode, high resolution is compatible with low resolution video image, but low resolution can not analysis the high resolution video image.
- Users can select the video resolution only for No.3521 and No.3520D decoder board. As the No. 3535 decoder board does not support resolution right mouse click to select, users can split screen to change the video image resolution, 4screen: 1920\*1080, 9 screen: 1280\*720.

(2) The following icon functions of output screen

icon shows the condition of decoder:



means the decoder is used to preview only



means the decoder is used to rotation only



shows the decoder status of set/remove defence



means the decoder removed the defence and can not support video display on the TV wall



means the decoder set the defence and can support video display on the TV wall

means it is used to delete the channel of decoder : select the split screen, and click



icon is used to amend the split screen of decoder

Right-click menu of conventional decoding output wall: delete the decoder output relationship, screen magnifying(client port)

Right-click menu of stitching decoding output wall: delete the decoder output relationship, images stitching 1/4 magnifying, images stitching/normal. In the condition of opening splices, the decoder can be offset settings, when there is gap between the splicing display, it can fine-tune the picture by this function.

#### (3) Output screen right-click menu:

Delete the decoding output relationship: delete decoder connection on the matrix, if you want to delete the decoder connection, must first disconnect all preview or playback on the decoder. Screen magnification (client port): decoding output relationship is magnified on the client port operation interface.

Client port preview: in the client interface, you can open the sub stream of dragged into the channel, then identify the monitor picture.

#### 2.4.1.1 Decoder preview

Transfer the wall into preview status

drag the device channel into decoder split screen directly. As

figure below:

×

📓 Video Monif	tor Client									- ×
Preview	Playback	Мар	TV wall	Log	Config		CPU:62% MEMORY:51%		User: roo	
Decoder Lis	st Cha	nnel Group	Daily	Playback			Daily			
Decoder	192.168.1.179 it1	_								
			٤	∲CH01		€jc+o1				
			¢ Dec_192.168.1	ўсно1		📮 😫 🗙				
	Barrier Link		06192.106.1	.1/9-00(1				_		
	Device List 92.168.1.188 92.168.1.199 92.168.2.159									
					Matrix 4	🕏 * 4 👮 🛛 Set 🛛 💱		Tour Interval(Sec)	30 🍧 Set	

### 2.4.1.2 Decoder rotation

Transfer the wall into rotation status **[1996]**, it indicate the wall is in rotation condition. User add channels into

group. As figure below:

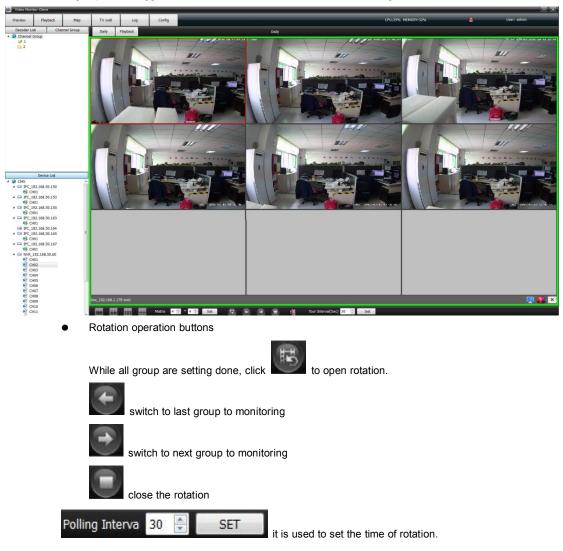
🖄 Video Monitor Client							- ×
Preview Playback Map	TV wall	Log	Config	CPU	:4% MEMORY:30%		User: root
Decoder List Channel Group	Daily	Playback			Daily		
🖨 💽 Channel Group	-				<u>6</u>		
group1							
L 7							
Right mouse click to							
add groups							
<b>C 1</b>							
	Dec_192.168.1			💻 🖹 💌			
Device List	<b></b>						
🗎 🧼 CMS							
⊕ □ IPC_192.168.1.188 ⊕ □ IPC_192.168.1.189							
			Matrix 2	🔄 • 2 🗟 🛛 Set 🔣 🕢	۵ 🔹 🝕	Tour Interval(Sec) 🙁 🕃	Set
·							

• Right mouse click to select the video channel

Delete group: Select the group and right mouse click to select deletion

Modify name: Select the group and right mouse click to select name modification

Delete node: Delete the group channels



After added group successfully, double-click a group icon into configuration state group 1. Then drag the channel to the group , the dragged channels will be recorded in the decoder. As figure below:

# 2.4.2 TV-wall playback

Click playback to check the record video. As figure below:

🥌 Video Monitor Client				- ×
Preview Playback Map	TV wall Log	Config	CPU:37% MEMORY:29%	Section User: root
Decoder List Channel Group	Daily Playback		Playback	
Goupi     Goupi     Goupi     Goupi		×	Plajčadi	Search condition           = ∃, 2015         ●           2.2         2.4         2.5         €           1.2         2.3         4         5         6         7           8         9         10         11         12         13         14         5         6         7
	Dec_192.168.1.179-out1	×		15 16 17 18 19 20 21
				22         23         24         25         26         27         28           29         30         31         1         2         3         4
Device Lit → @ CMS → @ CMS				Record Source Local Video 🔹 🔍
			41 1× 1> 🙀 🖼	
	ρ0:30 01:30 ρ2:30 ρ3:30 wnd1 wnd2 wnd3 wnd4			9. 16:59:28 8:00  17:00  19:00  19:00  20:00  21:00  22:00  23:00

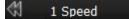
One decoder only support one channel record video playback at every time, each device only support 9channels video playback at the same time, different devices record video can not playback at the same time. Drag channels to the decoder then select the time and position of video, finally click the button of video search. As figure below:

📓 Video Monit	tor Client						 
Preview	Playback	Мар	TV wall	Log	Config	CPU:33% MEMORY:29%	User: root
Decoder Lis		nnel Group	Daily	Playback		Playback	
🖶 🤪 Channel C - 📝 group - 📴 groups	1						
				6сно1			Search condition
							😌 三月, 2015 😔
							<b>星</b> 星 星 星 星 星
							22 23 24 25 26 27 28
							1 2 3 4 5 6 7 8 9 10 11 12 13 14
			Dec_192.168.1.1	179-out1		×	15 16 17 18 19 20 21
							22 23 24 25 26 27 28
							<b>29 30 31 1 2 3 4</b>
	92.168.1.189 Ю1 92.168.2.158						Record Source Local Video 💌
			wnd1	08:54:53 p8:55 p8:55			
			wnd2 wnd3				
			wnd3 wnd4				



click to play record video, or precisely click the record video blue bar directly

close the playback



control the playback speed.

Ordinary decoder matrix right mouse click: Screen magnification(Client)

Joint decoder matrix right mouse click: Video image 1 divide 4, normal images stitching.

# 2.5 Log

Video Moni	tor Client	_				_	_			d-de
Preview	Playback	Мар	TV wall	Log	Config		CPU:3	7% MEMORY:29%	User: root	
larm Logs	Operation Logs	Remote Logs								
		🗧 to 2015-3-	17 23:59:59	•	Type All Type		Search			
Alarm Type		Alarm Source	1	Remark	Begin Time	End Time	Linkage Rule	Playback Picture		

### 2.5.1 Alarm logs

Alarm logs: It can be search out as the front device marked alarm signal upload center, it can be search out if check the alarm of upload center in device side which respond to the alarm linkage rule in client-side. It will show the relevant information of rules in linkage action and playback. As the figure below:

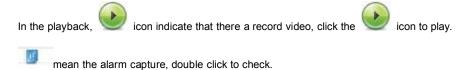
Previ		Playback	Мар	TV wall	Log	Config					12-0	
Alarm L Search	.ogs Ope	ration Logs	Remote Logs									
	2015-3-16	. n•nn•nn 📑	to 2015-4	15 0:00:00 🗧		Type All Type 💌		earch				
						tipe the time						
Al	arm Type		Alarm Sourc	e	Remark	Begin Time	End Time	Linkage Rule	Playback	Picture		
1 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 13:48:40	2015-03-16 13:49:03	111		d.		
2 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:12:43	2015-03-16 11:13:18	111		15		
3 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:12:18	2015-03-16 11:12:42	111		IF.		
4 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:11:00	2015-03-16 11:11:40	111		1.		
5 Motik	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:10:14	2015-03-16 11:10:38	111		E.		
5 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:08:23	2015-03-16 11:08:47	111		J.		
7 Motik	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 11:08:05	2015-03-16 11:08:20	111		J.		
B Motic	on	CMS-IPC_192	168.1.188-CHD	1		2015-03-16 09:47:28	2015-03-16 09:48:05	111		11		
9 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:46:46	2015-03-16 09:47:09	111		15		
10 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:46:01	2015-03-16 09:46:46	111		1C		
11 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:45:19	2015-03-16 09:45:43	111		TE.		
12 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:44:25	2015-03-16 09:44:48	111		UT.		
13 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:43:28	2015-03-16 09:44:10	111		15		
14 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:41:43	2015-03-16 09:42:52	111		1		
15 Motic	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:41:11	2015-03-16 09:41:34	111	<ul> <li>Image: A start of the start of</li></ul>	J.F		
16 Motik	on	CMS-IPC_192	168.1.188-CH0	1		2015-03-16 09:39:58	2015-03-16 09:41:05	111	õ	i.f		

The type of alarm can be divided into alarm input, motion detection, video shelter, video lost.

Alarm source come from the device channels.

Begin time and end time is the time of alarm triggered and the time of alarm stop.

Linkage action shows the relevant linkage rule information, such as there will show **pop image** chars if set video action linkage.



#### 2.5.2 Operation logs

Operation logs : All users operations will be recorded, and the operation type include: All type, log in/out, add/ delete devices, setup/ cancel alarm, open/ close record, remote configuration, set alarm linkage.

### 2.5.3 Remote logs

Remote log is to search the alarm information saved in the front-end device. Select the front-end device, set date and type then click **Search**, all alarm information of the preset time period will appear in the blank area. As figure below:

Video Monitor Client					
Preview Playb	ick Ma	np TV v	all Log	Config	CPU:8% MEMORY:32% 😽 User: admin
arm Logs Operation	Logs Remote	Logs	-	_	
Search condition					
	<ul> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> </ul>	8.50.153 8.50.155 8.50.163		Î	2015/1/17 0:00:00 () 10 2015/1/17 23:59:59 () Major Type Al Type • Subtype •
	<ul> <li>PC_192.16</li> <li>PC_192.16</li> <li>NVR_192.10</li> <li>PC_192.16</li> <li>PC_192.16</li> <li>PC_192.16</li> </ul>	8.50.167 58.50.60 8.50.68		1	Search
Time	Major	Minor	Channel	Uşer	
2015-03-17 00:00:00		VideoLoss	8		
2015-03-17 00:00:00	Exception	Disk Full	1		
2015-03-17 08:49:25		VideoLoss	13		
2015-03-17 08:49:31	Exception	VideoLoss	14		
2015-03-17 09:07:18	Exception	VideoLoss	12		
2015-03-17 09:08:59	Exception	VideoLoss	12		
2015-03-17 09:20:44	Exception	VideoLoss	11		
2015-03-17 09:21:36	Exception	VideoLoss	11		
2015-03-17 09:22:00	Exception	VideoLoss	12		
2015-03-17 09:23:18	Exception	VideoLoss	12		
2015-03-17 09:36:35	Exception	VideoLoss	11		
2 2015-03-17 09:39:31	Exception	VideoLoss	15		
3 2015-03-17 09:39:34	Exception	VideoLoss	15		
4 2015-03-17 09:40:56	Exception	VideoLoss	11		
5 2015-03-17 09:42:54	Exception	VideoLoss	15		
6 2015-03-17 09:43:15	Exception	VideoLoss	15		
7 2015-03-17 09:44:41	Exception	VideoLoss	15		
8 2015-03-17 09:45:47	Exception	input error	1		
9 2015-03-17 09:45:47	Exception	VideoLoss	15		
0 2015-03-17 09:45:57	Exception	input error	1		
1 2015-03-17 09:46:46	Exception	VideoLoss	15		
2 2015-03-17 09:46:48	Exception	input error	1		
3 2015-03-17 09:46:48	Exception	VideoLoss	15		
4 2015-03-17 09:46:51	Exception	input error	1		

# 2.6 configuration

### 2.6.1 Device manage

Click and enter into the configuration page. As figure below:

📓 Video Monit	or Client			_	_		â - = ×
Preview	Playback	Мар	TV wall	Log	Config		 User: admin CPU:70% MEMORY:78%
Right-click to add	video surveillance	e devices and area	as		Right-click to	add preview group node	Device Manage
Access	92.168.50.101						Local Config
							Users Manage
				Add Device Remote Config -> <- Up Down			Linkage Config

2.6.1.1 Right mouse click on VMS icon

Add area

Right mouse click to add a new sub-area, input the area name and save it.

Add device

Right mouse click to select Add device, and the follow interface will pop up:

Device Protocol		
Device FIOLOCOI	I8 Protocol	
Device IP	Onvif Protocol HK Protocol	Search
Port	Dahua Protocol I8H Protocol	
Device Name	I8E Protocol	
User		
Password		
Area Belong	VMS	

It support 6 kinds protocol products: I8, ONVIF, HK, Dahua, I8H, I8E. Click

can add 18, ONVIF,

Search

Dahua protocol products.

Input the device information manually and click OK to add successfully, or click Search to search online devices, the follow interface will pop up:

	Device SN	Device Type	IP	Subnet Mask	Port	Device Name	User Name	Password	
	02621010696	IPC-262-1CH	192.168.1.188	255.255.255.0	5050	IPC_192.168.1.188	admin		Modify IP
2	02641010699	IPC-264-1CH	192.168.1.189	255.255.255.0	5050	IPC_192.168.1.189	admin		Modify IP
8	02641010692	IPC-264-1CH	192.168.2.158	255.255.255.0	5050	IPC_192.168.2.158	admin		Modify IP

Modify IP address: Click Modify IP to modify the device IP parameters (It can not get the subnet mask and

gateway for Onvif protocol devices). As figure below:

👼 Modify Devic	e Network Parameters -18 🛛 🛛 🛛 🔀
Device SN	02641010699a1aa30939
Device IP	192.168.1.189
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS1	202.210.230.255
DNS2	202.210.255.255
	OK Cancel

Search: Click Search again to update the device information

Select: Select one device and click to select, add the device into VMS. As figure below:

Device IP	192.168.0.65	Search
Port	5050	
Device Name	NVR_192.168.0.65	
User	admin	
Password		
Area Belong	CMS	

Batch add: check one or more device simultaneously, click the Batch add to add series devices one-time .

Cancel : Close the device online search window

Note: Users may have to input the ONVIF product password when click Search button to select device.

- Modify the device
  - Modify the added devices IP, port, user name and password.
- Modify the name

Modify the area/device name

Refresh channel name

Right mouse click to select to refresh the channel name

Set alarm

Click to open alarm linkage

Right mouse click on the device information to select delete node(As any present device channels video in the preview/ playback/ recoding, it can not delete)

Modify device

Right mouse click to to select modify device, and users and eidt the device local name

#### 2.6.1.2 Access controller

Add access controller

Right mouse click on Access icon to select Add access controller, and the below

interface will pop out:

🖻 Add Access Con	troller		? 🛛
Device IP			Search
Device port			
Device SN			
Device Name			
	ОК	Cancel	

Users can input the access controller device IP and other information, or click

Search

as

figure below:

SN	IP	Gateway	Subnet Mask	Port	Mac Address	ess Controller N
0153941	192.168.0.72	192.168.0.1	255.255.255.0	60000	00:06:121:16	MJdev_192.16

Batch add: Select devices and click batch add.

Cancel: Close the online devices window.

• Access controller status

After the access controller add successfully, as figure below:

	Access	
	MJdev_192.168.0.72	
	<ul> <li>Door1</li> <li>Reader1</li> <li>Reader2</li> <li>Button1</li> </ul>	
Door1: Attendance & access system c	ontrolled the door1, Imeans door open, Imean door closed	1;
Reader 1/2: Card reader 1	Card reader 2;	
Button 1: Button 1 for the d	loor open/close。	
• Attendance & access system	setting	
Right mouse click on the acce	ess device name,as figure below:	

Access	
MJdev_192.168.0.7 <sup>o</sup>	
A Door1	Modify Network Parameters
📥 Reader1	Delete Node
📥 Reader2	Sync Device Time
🛎 Button1	Modify Node Name

Modify network parameters: Modify the IP address, as figure below:

IP	192.168.0.72	
Gateway	192.168.0.1	1
Mask	255.255.255.0	
port	60000	]

Delete node: Delete the attendance & access system

Sync device time: Set the attendance & access system time same with PC client

Modify node name: Select to modify the access device name

• Door remote operation

Right mouse click on the door 1 and select Remote Open door, and open the door. As figure below:

<ul> <li>Access</li> <li>MJdev_192.168.0.72</li> </ul>	2
Door1	
📥 Reader1	Remote Open Door
📥 Reader2	
📥 Button1	

# 2.6.1.3 Remote configuration

Select the device and click remote config:

Configuration Options			
	Device Name		
User Management     Exception & Alarm     Disk Management	Device Type	18_IPC *	
	Start Channel	1	
	Number of Channels	1	
	Number of Alarm Input	0	
	Number of Alarm Output	0	
	Loop Record	Disable 🗸	
	Controller ID	0	
	Number of HDD	0	
	Device SN	01801010699eaef69130	
		Save Parameters	

Remote configuration can be used to modified device parameter, more specific operations please refer to device specification manual.

# 2.6.1.4 Right click to add group node

•	Right click on Channel Group icon to add group
•	Right click on group name to select Delete group to delete it
•	Select the device channel in the left area, and select specified group in the right area, click then click
	to add the channel in the specified group.
•	Select the device information in the right area and click to remove it
•	Select the group and click Up, Down to sorting it.

### 2.6.2 local config

Local Config Click enter into the local configuration page. As figure below: 🖻 v Map TV wall C:/IV/MS\_Data/Capture Browse Open Browse Open Users Ma nterval 30 🗣 second Unkage Config config of play window Full screen config Local eam type: • Main stream 🕓 Sub-st m type 💿 fast m save bandwidt 🖌 Every 1 👘 day ng Get machine code 2.0.1.6(2016.03.24) Data Backup and Restore Backup Restore ce Upload Center IP 192.168.1.85 🗢 Bosch Alarm Device Upload Center Port 7700 🗘 Controller Event Push Target IP 192.168.1.85 Controller Event Push Target Port Save

- Capture file path/ Download file path: Set the file store path. Click Open to find the file location.
- Preview tour interval: Set the group preview time 30 seconds in general.
- Alarm sound set:

arm Sound cor		
Alarm in	m Files/VideoMonitorClient/AlarmSound/alarmInput.wav	
Motion	bgram Files/VideoMonitorClient/AlarmSound/motion.wav	
VideoCover	Im Files/VideoMonitorClient/AlarmSound/videoCover.wav	
VideoLoss	am Files/VideoMonitorClient/AlarmSound/videoLoss.wav	

Users can set the custom alarm sound , click

to select the audio file, change the old audio file into the

new audio file, click to preview audio file .

Attention: Only support WAV format audio.

- Proportion of play window: Set the video display scale, users can select 16:9, 4:3 and full screen.
- Auto login: user can log in directly next time after select Auto login.
- Auto Boot: Auto boot from the start
- Auto open the last preview: Users can get continuous video preview as who turn off the software directly before, and the record video stored also.
- Local record store path

<ul> <li>22693</li> <li>10000</li> <li>▼</li> </ul>	V V	Modify Modify Add	Delete Delete
=			Delete
•		Add	]
			,
	III -	m	III

Select the saved path of local video, set reserve space and wether cycling the video. It will work after modified the param and click the button of modify.

<u>1998</u> 22 73 76327 85	<u>2446</u> (10)(10)	10220 320 200002 20
Auto switch stream	Item fast mode	Save bandwidth mode
Muto switch scream	o last mode	O save bandwidth mode

Click auto switch stream

Sub stream for above 4 split screen, main stream for 1/4 split screen.

Fast mode: Opened the main stream and sub stream simultaneously in fact, it only change the display chars at every stream switch

Save switch stream: It have to turn off the current stream then turn to another stream, the speed is a little slow then Fast mode

- Non click auto switch stream: Right click on the preview window to select the stream type
- Color for front-end video record type

Different color means different video record type for front-end device.

- Auto sync time: Click devices and open time correction function.
- Software authorize: Get the devices access authorization, input the devices machine code, see the picture below:

Authorization	?	×
Authorize(onvif)	Permanent	
Authorize(HK)	Permanent	
Authorize(Dahua)	Permanent	

Click the corresponding authorization button, after authorize successfully, reset the software.

• Version: The current software version.

### 2.6.3 users manage

Click users manage in configuration module then enter into the users manager page.

Video Mor	Video Monitor Client											
Preview	Playback	Мар	TVWall	Log	Config			User: admin				
Add	Modify [	Delete							Device Manage			
No.	User Name	User Type							Local Config			
1	admin	Administration							Local Coning			
2	yfc	Guest							Users Manage			
									Linakge Config			

Add user: click **Add** to open the add user page:

User Type Guest	User Name
Password	Password
Right Type  Preview  PTZ  Remote Playback  Intercom  Remote config	Device Tree

Define user name and password, user authority can be subdivided to single device channel when checking. To note here is: If device has no preview authority, it will not offer other permissions, if the channel has preview authority, it support video record automatically.

User modify: Modify the name, password, permission of ordinary user, superuser (It is the first client, we call it root) allowed to modify password only.

User delete: cancel the ordinary user but super-user.

### 2.6.4 alarm linkage

Click Linkage config to enter the alarm linkage setting page. As figure below:

Preview Playback Map TVWall Lo		
	g Config CPU:16%	admin 😓 User: admin
add delete refresh		Device Manage
	Action Param Remark Whether Enable LinkagePrevie I	

This is used to configurate alarm linkage information and manage the configured alarm linkage . Click new alarm linkage ,as figure below :

Rule Name	
	Туре
Туре	Alarm Input     O Motion Detection     Video Cover     Video Lost
Source	Select
	Linkage Action Choose
Action	Sound Map TV Wall Preview
	Record Capture PTZ
Action param	
Remarks	

Rule name: Rule name (user defined)

Type: Alarm input ,motion detection, video cover, video lost

Source: Select any device channel for alarm linkage

Linkage action: Corresponding actions for alarm signal receiving, user can select one or more linkage action including :

sound: Buzzer alarm

- > Map: Alarming on the electronic map
- > TV wall: Alarming on the TV wall
- > Preview: Popp up a preview window
- Record: Alarm triggered video record
- > Capture: Alarm triggered capture
- PTZ: Alarm triggered PTZ control

Action param: Display the relevant action information

Remark : Indicate the alarm information(user defined)

# 2.7 All protocol products function parameters

Pre	view									
	Digital zoom	Capture	PTZ	Audio	Talk-back	Local video recording	Video parameter s	image enhance	Group rotation	Front- end video recording status display
18	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
ONVIF	Support	Support	Unsupport DC, IRIS	Support	Support	Support	Support	Support	Support	Support
Hiklife	Support	Support	Unsupport DC, cruise	Support	Unsupport	Unsupport	Unsupport	Unsupport	Support	Support
Dahua	Support	Support	Unsupport DC, cruise	Support	Unsupport	Unsupport	Unsupport	Unsupport	Support	Unsupport

#### Playback

	Front- end video recording playback	Local video recording playback	video recording playback capture	Download front- end video recording	Download Local video recording	Change the playback speed	Playback audio preview	Frame display
18	Support	Support	Support	Support	Support	Support	Support	Support
ONVIF	Unsupport	Support	Support	Unsupport	Support	Support	Support	Support
Hiklife	Support	Unsupport	Support	Support	Unsupport	Support	Support	Support
Dahua	Support	Unsupport	Support	Support	Unsupport	Support	Support	Support

### Map and TV wall

Map Map local Map	Pictures pop Map	Video Video	Audio Group	
-------------------	------------------	-------------	-------------	--

$\backslash$	preview	video	front-end	up on the	monitoring	display on	display on	display on	video
		recording	video	map as	point alarm	the TV wall	the TV wall	the TV wall	rotation
		playback	recording	alarm in	blink	by			
			playback			decoder			
18	Support	Support	Support	Support	Support	Support	Support	Support	Support
ONVIF	Support	Support	Unsupport	Support	Support	Support	Support	Support	Support
Hiklife	Support	Unsupport	Support	Support	Support	Unsupport	Unsupport	Unsupport	Unsupport
Dahua	Support	Unsupport	Support	Support	Support	Unsupport	Unsupport	Unsupport	Unsupport

### Log and user configuration

		_						
	Alarm log	Operation	Remote log	Remote	User	Get channel	Modify IP	Time
		log	Remote log	configuration	management	name		correction
18	Support	Support	Support	Support	Support	Support	Support	Support
ONVIF	Support	Support	Only support abnormal log search	Unsupport	Support	Support	Support	Support
Hiklife	Unsupport	Support	Support	Unsupport	Support	Support	Unsupport	Support
Dahua	Unsupport	Support	Unsupport	Unsupport	Support	Support	Unsupport	Support

### Alarm

	Alarm linkage audio	Alarm linkage map	Alarm linkage TV wall display	Alarm linkage picture pop up	Alarm linkage video recording	Alarm linkage screen capture	Alarm linkage PTZ
18	Support	Support	Support	Support	Support	Support	Support
ONVIF	Support	Support	Support	Support	Support	Support	Support
Hiklife	Support	Support	Unsupport	Support	Unsupport	Support	Support
Dahua	Support	Support	Unsupport	Support	Unsupport	Unsupport	Unsupport

Client data backup: As users install the client software, it will create a NVMS\_Data file, click to open this file, please notice videoMonitorDb.s3db subfile, all parameters configuration saved in this subfile. When users have to recover the data, replace videoMonitorDb.s3db to C:\NVMS\_Data file is ok.