Catologue

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1. Software Introduction

1.1 Overview

VMS is latest developed client software for our products. The suppressible toolbar, succinct GUI and rich functionality make it very intelligent and user-friendly monitoring management software which can be used in various scenes.

This software could be used for connecting kinds of devices, such as DVS, DVR and so on. This introduction only presents the operation on software, if need detail function settings please refer to product specification.

1.1.1 User & privacy management

VMS support three-level organization management system, user management and permissions management.

1.1.2 Use data interface

System data interaction use data interface, could support kinds of database flexibly, like SQL, MYSQL, XML and so on.

1.1.3 Support edit and add device by Excel table

Allows users to import or export devices using the binary files (filename extension : bin), much more easier in coping with the maintenance of a large batch devices. which improves system's useability and significantly reduces the workload of maintenance.

1.1.4 Smart video transmission protocol

Using the Smart video transmission protocol, the system can fully utilize the bandwidth of a network. Especially in situations when the bandwidth of the front-end network condition was limited. The system can still operates under a narrow bandwidth, without reducing the quality of the images.

1.1.5 Perfected video surveillance system

Allows the real-time surveillance and many other abilities. Such as alarm activated video record, auto-surveillance record, record playback and etc. Able to control the recording on every channel.

1.1.6 Dynamic decoding buffer adjust

The real-time surveillance is able to modify the priority setting between the video's fluency and it's real-timing with flexibility. Should the user chose to give fluency the priority, the system will provide much fluent images. Otherwise , the system will focus on providing real-time images. Thus, the system is capable of satisfying all kinds of needs.

1.1.7 Centralized management

All the data of the system is under centralized management. This allows remote users to conduct real-time surveillance and video playback via internet.

1.1.8 Fine operability

With the control authority, users can control and configure every surveillance post via client software. Also has an E-map function integrated.

1.1.9 High integration level

Other kinds of relevant information such as alarm information, voice message are also integrated in the system.

1.1.10 High reliability

There is also a fault-tolerant mechanism designed for the system, in order to keep the data intact, and to keep the system reliable.

1.1.11 Fine expansibility

Service-oriented system design, provides fine ability to expand and to adapt. Which can considerably protect user's investments.

1.1.12 Allows to use E-map

1.1.13 Allows multi-channel playback

1.1.14 Able to connect to multiple devices and cheek their video(both real-time

and playback)

- 1.1.15 XML data storage
- 1.1.16 Compatible with multiple protocols for rocker keyboard
- 1.1.17 Multiple kinds of alarm devices are allowed, such as CK,VISTA
- 1.1.18 Compatible with multiple kinds of 3D positioning protocols. Able to perform

3D positioning within the viewing area.

2. Installation Instructions

2.1 Software Environment

2.1.1 Hardware

CPU:	P4/2.0G
Graphics CPU:	ATI9800 or above(two channels)
Graphics memory:	128MB or above
Graphics bus Width:	128bit
The graphics card must be	able to perform hardware scaling (such as ATI and $\ensuremath{TNT2}\xspace$ PRO).
Network interface card:	100/1000M

Note: If devices have high resolutions or there are too many channels at the same time, in order to have a good performance, system requires much advanced hardware than we listed above.

2.1.2 Software

This software is compatible with windows Vista/Xp/2000/2003/7/8/10(windows 98 is not recommended)

Please shut down all activated anti-virus software and firewalls during the installation process, otherwise the device may not be detected.

2.1.3 Installation



(1) Click to start the VMS setup sequence, select your language in the following dialog box.

S 9■S 安装程序	×
Setup Language Please select one of the following languages:	
 ● 简体中文 ● 繁体中文 ● English 	
(下一步 @) >	取消(2)

(2) Then click "next" to select your installation path.

o V∎S Setup	×
Installation Folder Where would you like VMS to be installed?	
The software will be installed in the folder listed below. different location, either type in a new path, or click Ch an existing folder. Install VMS to:	
C:\Program Files (x86)\VMS	C <u>h</u> ange
Space required: 92.4 MB Space available on selected drive: 27.34 GB	
<u> </u>	Cancel

(3) Click "next" to proceed and to finish. As the picture shown below, as the installation sequence finished, appears the log in interface(you can switch it to could log in).

UserName: admin Password: •••••		Account Type: Lo
Password:	UserName: a	min
	Password:	•••
Remember Password	🔽 Remember	Password

Local log in

Account Type: Cloud
UserName: admin
Password:
Remember Password
Don't have an account? <u>Register</u> OK Cancel

3. Function modules

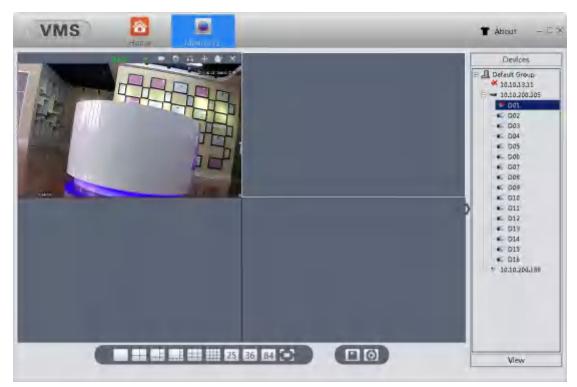
3.1 VMS home page

The home page of VMS is shown below.

VMS						🅈 About 🛛 – 🗆 X
Gemeral Function	ns S	E23	-			
Montor	Device Manager	Floyback	Record Settings	Log	Alarm Info	
Config Manage	-	161	~	100		
Device Config	Alerm Config	Tour Config.	User Meneger	System Config		
Extensions	-					
Map	Backup.					

3.2 Monitor

Click the "monitor" button to open the monitor page.



[Monitoring view]

Monitoring view	The monitoring view provides live view of every monitoring channel
Window operation	The menu controls all the devices within the window
menu	
Device list button	Click "Device" to show the list of all devices
View list button	Click "View" to show the list of all views
	To change the viewing number of multi-screen monitoring, simply select
Multi-screen switch	the "single screen", "four screens", "six screens"
Save view	Save the current monitoring view
tour	Follow the preset tour plans to tour

【Open the channels】

Select one of the windows in monitoring view, then double click one of the channels in Devices list

【operation menu】

Replace .	Choose display scale,
ACCUS	auto resize turned on by
	default.
	Temporary manual
and the second se	record.
5	Instantaneous manual
0	record.

A	Click to enable audio.
***	PTZ A Zoom A B > 3/e A focus Cu Step
€€	Adjust the color of video on VMS, Not of the device.
	VideoColor
	B for trees bill Hum en bill Portmast and Ad Saturation and Generation of Generation of Saturation and Saturation of Saturation
×	Disconnect the video.

[PTZ control]

Click the button of PTZ



【Video color】

Click the button of color adjustment and pop up the interface for adjusting video color.



Device Manager 3.3

Click the button of Device Manager, then enter the page of device manage, as it is shown below:

The	e following de	wices have been h	00101				Thurto	llowing devices ha	ve been added:		_	
F.	Name	CloudIC	(P/Por)	Vendur	ŪT.M.		Fine	Cloud ID:	12/Part	Group	Status	on afi
5	10.10.41.19	7.08905ch417c6071	1010.01.09 0017	1711	Gen		0.10.11	editernatide, at:	tend. at inditi	Defailt	Timenic:	
3	10.10.11.32	Ratio De Millerhof de	10.10/1.3284961	- JAN	Ortes		200.100	must Matel See	10.10.200.209(34507	DeFault	Connected	1
7	STEROLDE	d973/584/8972411	10101111000011	-114	Dele-		200169	8517-512824065-	10102001BESASAT	Defailt_	Carmonted	10
	10:10:12:21	0364 Work466aye8	10.10.12.71.94521	-04	Det		Passa .					
3	10403328	#102810891673886c	1000.0122-14910	7/64	Dela							
ī.	10001324	055cc41700184bau	101013/2404524	774	Gele-	Add						
Ξ.	10.10.13.42	221621:9ed992ec0	10.34.13.4254512	-30M	Oria							
2	1830,19,44	A57020,0585101,0	10.10.11.44-34544	i M	Dela-							
51	10301382	TRANSPORT FOR LANZ	1010.135234552	KW.	Det 6.							
2	10.10.200.11	#2800179131a760	10.10.200.11.34907	SM	Dell.							
3	10.10.200.170	#2020B1049+72597	10.10.700.175:3=50.01	100	Oute-							
	10.10.240.144	InTERNITIANDIN27d6	todo.add.btdcies61	*M	Delas							
1	10.10.200.141	154fa0372a001c72	10.10.200.141/34507	YM	Delas							
	1010-200.140	3cdd8faca9b41944	1010.200.04684567	iovi	Dete.							
2	10.10.200.15	c7a006564ts7hac80	10.10.200.15:54561	-04	Date.							
3	17.15.270.218	asobesb Talk1 191c	103.0.200.21814467	1264	Dela.							
5	1010-200.70	2750434494119010	10.10.200.70.34507	17M	aute.	Berninor.						
5	10.10.200.89	(Epó/729id Salt/Selő	10.10, 00,8954567	-xM	One-							
								The recognition of the		_		

(Search again **)** Click this button, the software starts to search for online devices, the result of the search will be listed in the left block.

【Add】 Select the device which have been found in left block(single click to select) and click "add" button, it could be added in the right block.

[Remove] Select the device in the right block and click "remove" button, this device could be removed.

[Manual Add] We could add device by input device's IP, port, username and password manually.

[Add Group] Add new group which could place different kinds of devices inside, makes it simple to manage.

[Edit] Click the "Edit" button to modify added device's information.

3.4 Playback

Click the Playback button and enter the playback page, as it is shown below:



Video playback interface	This interface is used to show playback videos
Playback operate menu	Able to operate on record files
Playback type	Able to choose to playback in chronological order or in file type order
Multi-screen switch	To change the viewing number of multi-screen playback, simply select the "single screen", "four screens", "nine screens"
Local /device list	Set to search local or device for record files
Search list	List the record files that has been found
Search time window	Set the time window that you want to search for record

[Playback operate menu]

▲.	Open file
••	Fast play
\odot	Play
ł.	Slow play

Stop

3.5 Record Settings

Click "Record Settings" to enter it's page, As shown in Figure below

	Home Re	ward Settings		
Storage Setting		EV.	E FV	
Disk Reserve Space:	5000	5000-5000000(MB)		
File Packet Time:	30	5-120(minute)		
When the storage space	îs full 🖲 Stop reco	ording C Overwrite		
Windows All]			
Enable Record				
Enable Record				

Storage settings

Storage settings allows users to set a disk letter in order to store record files into the corresponding disk ;

The disk reverse space is specially set aside not to store video;

User can set the file packet time , in order to pack the files at corresponding time;

when the storage reached it's full capacity, users can choose to stop recording or overwrite old files.

【Record settings】

Select corresponding window, set user's time span and tick Enable Record, click apply to save the setting. Thusly the VMS will start recording appointed window once reach the selected time span.

3.6 Log

BeginTîme: Type:		0:00:00 🛨	E	indTime: 2016/02/29 23	Search	
No.	Time	User Name	Туре	Device	Channel	Remark

Click "Log" button to enter the log page, as the picture shown below.

Client end

Click the "client" button, set designated time span(type in begin time and end time) and start searching, the system can find client's logs during the chosen time span. And also can search by log types.

【device end】

Click the "device" button, set designated time span(type in begin time and end time)and

start searching, the system can find device's logs during the chosen time span. And also can search by log types.

[previous/next page]

Click to turn the log page.

3.7 Alarm Info

Click Alarm Info to enter the Alarm Info page, as the picture shown below.

No.	Processing Status	Alarm Type	Time	Device	Channe
1	Lingmachies	Motion Detect Heppen	2016-02-21 1349-07	10.10.200.186	t.
z	Lingnoicess	Motion Detect Stop	2016-02-23 13:49:08	10.10.200.188	1
3	Dispression	Mation Detect Happen	2016-02-23 1349:11	10,10,200,188	1
4	Unprocess	Mation Detect Stop	2016-02-20 1349-11	10.10.200.188	į
5	Unprocess	Motion Detect Happen	2016-02-23 13:50:03	10.10.200,189	1
6		Mation Detect Stop	2016-02-23 13:50:04	10.10.200.186	1

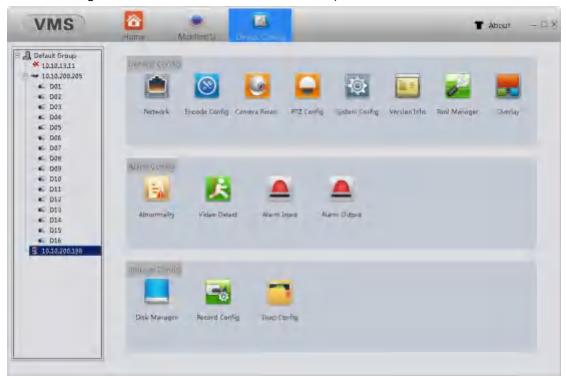
【alarm information list】

In the list all the treated and untreated alarms are shown, double click the untreated information will change it's status into treated. Click "Clear list" will clear all alarm information.

4. Config Manage

4.1 Device Config

Click "Device Config" to enter Device Config page, as the picture shown below.(display differences might exist when it comes to different devices).



4.1.1 Network settings

TCP/IP setting

Click "Network settings" to enter network setting page, select "TCP/IP" to config, as the picture shown below.

Defauk Group	DAS	Cloud Ernell	FTP DONS PP	POE RTSP	1
 10.10.200.205 D01 D02 D03 D04 D05 D05 D06 D07 D08 D07 D08 D09 D10 	Interface IP Submask Gateway Primary DNS	Wired Interface 1 10.10.200.188 255.255.255.0 10.10.200.1 192.168.1 .1	T Enable DHCP		
 D11 D12 D13 D14 D15 D16 10.19.200.388 	Secondary DNS TCP Port MAC Address IT Enable High Spee Network Transmissic	-	Http: Port 80		
		n Policy QualityP =		Apply	ок са

[Interface] To show the type of network interface the device is using

【IP】 To config the IP address of the device

[Submask] To config the subnet mask of the device

【Gateway】 To config the gateway of the device

[Primary DNS] To config the primary DNS of the device

【TCP port】 To config the TCP of the device

【Http port】 To config the Http of the device

【MAC address】 To config the MAC address of the device

[Enable high speed download] Tick this option to speed up the download process

[Network transmission policy] Able to choose adaptive/quality Pre/fluency Pre/transmission Pre

DAS setting

Click "DAS" to enter DAS page, as the picture shown below.

Melauk Group	TCP/IP DAS Cloud Email FTP DDNS PPPOE	RTSP	
10.30.200.305 D01 D02 D03 D04 D05 D06 D07 D08 D09 D10 D11 D12 D13 D14 D15 D15 D16 D15 D16 D15 D16 D15	F Enable SerlaINO 123456 Server Address 10,2,1,58 Server Port 9400 UserName admin Password		

【Enable】 tick to activate DAS
【SerialNO】 config serial number of the device
【Sever address】 config the sever address for the device
【Sever port】 config sever port for the device
【Username】 config user's name
【Password】 config user's password

Cloud setting

Click "cloud" to enter cloud page , as the picture shown below.

VMS	Home Monitor(1) Device Contia	🕈 About 🛛 — 🗆 X
 Betwark Group ✓ 10.30.13.11 ✓ 10.30.200.205 ✓ D01 ⊂ D02 ⊂ D03 ⊂ D04 ⊂ D05 ⊂ D06 ⊂ D07 ⊂ D08 ⊂ D09 ⊂ D10 ⊂ D11 ⊂ D12 ⊂ D13 ⊂ D14 ⊂ D15 ⊂ D16 ☑ 10.30.200.316 	TCP/IP DAS Cloud Email FTP DDNS PPPDE RTSI IF Enable MTU 1280 Bytes	2
	Apply	OK Cancel

(Enable **)** tick to activate the cloud service, users are able to remotely login using the exclusive serial number of the recorder via <u>http://www.xmeye.net</u>, to view and to manage the recorder. The serial number can be found in Home/Device Config/Version Info

[MTU] config Maximum Transmission Unit figure

E-mail setting

A Default Group	TCP/IP DAS Cloud End FTP DDNS PPPOE RT	SP	
* 10.10.13.11	ICP/0P DAS CIODA PIPE DONS PPEOD NI	ar	
10.10.200.205			
🛋 D01	Enable Test		
■ D02	Endbye (65)		
- D03	SMTP Server Your SMTP Server		
€ D04	2WILK SELAGE JUDIT 2WILK SELAGE		
E D05	Port 25		
C D07	Post pro-		
#C D06	This Serves Need Safe Connection		
- C D09			
C D10	UserName		
🖝 D11			
C D12	Password		
🛋 D13			
C D14	Sendor		
C D15			
10.10.200.188	Recipient		
7 1010/200700	Contras Taxana and the		
	Subject Allern Message		

Click "E-mail" to enter E-mail page , as the picture shown below.

With necessary parameter settings, the device will send alarm information and snapshot picture to appointed mailbox.; Please enable the snapshot function in the alarm setting before use, otherwise there will be no photo.

[SMTP sever **]** the SMTP sever address, could be an IP address or a domain name (the DNS should be set correctly in order to use domain name)

【Port】 sever port number

[SSL] choose to use secure socket layer or not

【Username/Password】 sender's username and password

[Sender] exact address of sander's mailbox

[Recipient **]**exact address of alarm recipient's mailbox. three recipient's addresses at most, use a semicolon to separate.

[Subject] the subject of the alarm E-mail, users can config according to their own needs

[E-mail test **]** after finish filling information, click "TEST", the in box will receive the test mail if it's a success, otherwise tips failure, please check network condition and your configuration.

FTP setting

Click "FTP" to enter FTP page , as the picture shown below.

a D autorite Carrier			
 A Default Group 10.10.13.11 10.10.200.205 D01 D02 D03 D04 D05 D06 D07 D08 D09 D10 D11 D12 D13 D14 D15 D16 10.30.200.188 	TCP//P DAS Cloud Email FPP DDNS PPPDE RTS F Enable Server Address FTP Server Port 21 F Anonymous UserName Password Max File Len 1024 MB Remote Path	SP	

[Sever IP] appointed FTP sever's address, if the sever is in wide area network, the recorder must be connected to the wide area network, too

[Sever port] FTP sever's port number FTP (default number 21)

[Username/password] the username and password that user registered on the FTP sever, which also requires it's authority.

[Anonymous] tick the anonymous allows users to upload files to the FTP sever without logging

in, in order to make this work, please make sure the FTP sever allows anonymously access.
[MAX file len] the max file length of each file packet, default value 128M
[Remote path] the file path in the sever that is meant to receive uploaded data

Note: this account have upload authority to the sever.

DDNS setting

Click "DDNS" to enter DDNS page , as the picture shown below.

B _ Default Group	ТСР/ЛР	-	DAS	Clo	uu	Email	FTP	IDNS	PPPOE	RTSP	
 ■ 10.30.2015 ■ 10.30.2005 ■ D01 ■ D02 ■ D03 ■ D04 ■ D05 ■ D06 ■ D05 ■ D06 ■ D07 ■ D06 ■ D07 ■ D06 ■ D09 ■ D10 ■ D11 ■ D12 ■ D13 ■ D14 ■ D15 ■ D16 ■ 10.30.200.388 	DDNS Doma UserN Passw	ain Iame	innus;	SH DDNS carsh-oldn		F Enable					

【DDNS type】 to choose the DDNS service provider

[Domain] the domain name binding with the record's IP , usually provided by DDNS service provider

[Username/Password] the username and password registered in DNS service provider

Note: the DNS setting should be configured correctly

PPPOE setting

Through the PPPOE, The recorder can be remotely accessed through Wide Area Network. This requires an exclusive dial-up networking

VMS	Home Monitor(1) Device Contia	T About - 🗆 X
 Befort Group ▲ 10.10.13.11 ● 10.10.20205 ▲ D01 ▲ D02 ← D03 ← D04 ← D05 ← D06 ← D07 ← D08 ← D09 ← D10 ← D11 ← D12 ← D13 ← D14 ← D15 ← D16 € 10.30.200.336 	TCP/UP DAS Cloud Email FTP DDNS PPPDE RTSP IF Enable UserName	
	Apply	OK Cancel

Click "PPPOE" to enter PPPOE page , as the picture shown below.

[Enable **]** tick "enable" to activate PPPOE

【Username/Password】 type in username and password provided by ISP, save and restart recorder according to the tips. The recorder will establish Internet connection after restart, the IP address will be shown in the IP column

RTSP setting

View recorders' videos using non IE kernel browsers and streaming media.

VMS	Home Monitor(1) Device Contin	1 About	- 🗆 X
	TCP/IP DAS Cloud Email FTP DDNS PPPDE X19P IF Enable Port \$54		
	Apply	ок	Cancel

【Port】 the default port number for devices is 554

4.1.2 Encode Config

Click "Encode Config" to enter Encode Config page , as the picture shown below.

Main Stream Extra Stream D02 D03 D03 Compression D04 File D05 Resolution AHD-H/1080P CEF D06 Quality D07 Quality D08 FPS D10 FPS D11 Stream Control VBR	
Dos D	
© D07 Quality Good General General © D09 FPS 25 25 25 25 © D11 Free court Arm Arm Arm Arm	
D10 FPS 25 Z5 Z5 Z5 Z5 Z5	
C D13 C D14 BrtRate(KD/S) 8107 Y	
 ≤ D15 ≤ D16 1 Frame Interval 2 2 2 	
Video/Austo P F P F	

[Channel] users can choose the channel they would like to config in the menu[Compression] standard H.264;

[Resolution] able to select display resolution , multiple choices such as 1080P ,720P, 960H...

[FPS] able to select FPS frame rate, when under PAL standard, the frame rate is adjustable from 1 to 25, when under NTSC standard, the frame rate is adjustable from 1 to 30

Note: low frame rate will have an impact on the fluency but occupies smaller flow

[Stream control] two strategies for stream control VBR and CBR. When user sets VBR, there are six grades of quality choices. When the system is under CBR setting, users can manually sets the bit rate to suit the network condition.

【Quality】 when VBR was chosen in the stream control. Users are able to choose the quality of the videos. High quality videos also requires a large bit rate. the bit rate changes in different situations, dynamic scenes need larger bit rate than steady scenes, the scenes' high complexity also contributes to a larger bit rate.

[Bitrate] when CBR was chosen in the stream control, users are able to control the bit rate by setting the ideal bit rate number. Once set, the bit rate will not rise or fall dramatically with the changes of scene, it fluctuates around preset number.

[I frame interval] interval time between key frames, optional from 2 to 12, smaller this figure was set the larger bit rate there will be, hence the better video quality

【Video/Audio】 tick the "audio" to enable audio function, then user are allowed to click the audio sign in the monitoring view to conduct audio surveillance .only when extra stream was enabled can users view video through extra stream

4.1.3 Camera Param

Click "Camera Param" to enter Camera Param page , as the picture shown below. Users are able to modify IPC parameters

VMS	El Interes	-	Munitar()	T About
Default Group * 1010.13.11 * 1010.100.005 * 001 * 002 * 003 * 003 * 004 * 005 * 005 * 005 * 007 * 006 * 007 * 008 * 007 * 008 * 010 * 011 * 013 * 013 * 013 * 015 * 015 * 016 * 015 * 016	Exposure Mode Day/Night Mod Scene Mode Video Profile Day NT Level ASC Wide Dynamic Slow shutter AE Reference DNC Threshold AE Sensitivity IR_CUT	Auto Auto Stviez 3 • ON • Low •	Upper 50 Upper 10 (Default 50) 	
	Backlight Auto Iris	OFF -	Mirror OFF Anti flashing OFF Hitp OFF IR Swap OFF	CK. Cancel

4.1.4 PTZ Config

Click "PTZ Config" to enter PTZ Config page, as the picture shown below.

VMS	Home	A Derice Confile	Monitar(1)	🅈 About — 🗆 X
Default Group 10.10.13.11 10.10.200.205 011 002 003 004 005 006 007 008 009 010 011 012 012 013 014 015 015 016 10.10.200.388	Address Baud Rate Data Bits			Apply CK Cancel

【Channel】 users can choose the channel they would like to config in the menu

[Protocol] select the chosen PTZ protocol

【Address】 chosen PTZ address, default figure is 1

【Baud rate】 choose PTZ baud rate, default figure is 115200

【Data bits】 including 5 to 8 options, default figure is 8

[Stop bits **]** including two options, 1 and 2, default figure is 1

【 Parity 】 4 kinds of check methods: odd parity check , even parity check , mark check and space check , default method is none

4.1.5 System Config

Click "System Config" to enter System Config page , as the picture shown below.

	Home Dertektur	Monitor())			
Default Graup					
= 10.10.200.205	System Time	2016/02/23 + 1	35566 会 C DST Setting		
C D01	Second Party				
C D02	Date Format	YYMMDD .			
€ D03		-			
i€ D04	Date Separator				
- € D05	a contraction of the second	-			
€ D06	Time Format	24H ·			
€ D07					
i⊂ D06	Language	English ·			
- C 009					
C D10	Operation When Disk Full	OverWrite .			
- C D11	and the second second				
€ D12	Video Standard	FAL *			
🛋 D13		-			
- CD14	Standby Time	0	Minutes		
C D15					
■ D16					
10.10.200.188					
				Annahi II mir	I enned
				Apply CK	Cancel

[System time] to set time for recorder

[DST] tick DST, click setting to set the beginning and the end of summer time=

【Date format】 set the display format of date

【Time format】 set the display format of time

L Language **J** 28 kinds of languages such as Simplified Chinese, traditional Chinese, English, Persian, Finnish, French, Greek, Hungarian, Italian, Japanese, German, polish, Portuguese, Russian, Spanish, Thai, Turkish, Vietnamese, Romanian language, language of Brazil, Indonesian, Swedish and Arabic, Bulgarian, Czech, Hebrew

【Operation when disk full】 when the storage reached it's full capacity, users can choose to stop recording or overwrite oldest files.

【 Video standard 】 there are two kinds of video standard, PAL and NTSC. the standard in the recorder should be in correspondence with it's front end cameras

【Standby time】 able to set standby time from 0 to 60 minutes

4.1.6 Version Info

Click "Version Info" to enter Version Info page, as the picture shown below.

VMS	Hame Device		🕈 About — 🗆 X
E 2 Default Group			
* 10.10.13.11 = 10.10.200.205	Version	V4.02R11.09601532.10010.230100.00000	
C D01			
C D02	Cloud ID	6537fa5128940f65	
- D03			
i€ 064	Build Time	2015-12-28 20:23:31	
C D05	Diamo Time	EA19. YE EA EAE991	
€ D06	Run Status	0	
€ D07	NULL STRUCT	Ŷ	
i⊈ D08	No. 1 of Alexandre	2	
- C09	Record Channels	4	
C D10			
■ D11	Alarm In Channels	2	
€- D12			
C D13	Alarm Out Channels	1	
C D14			
C D15	Nat Status	2:123.59.25.129/1/Connected	
C D16			
10.10.200.188			
		Contraction of the Contraction o	
		OK	

4.1.7 Tool Manager

Click "Tool Manager" to enter Tool Manager page, as the picture shown below.

Default Group	Resume Elefent User Manager				
 10.10.200.205 D01 D02 D03 	Please select the Items	you want to restore default			
≪ D04 ≪ D05	F All Default				
C D06	F General Config	☐ Encode Config			
C D09	F Record Config	F Alarm Config			
C D10 D11 D12	T Network Config	☐ Network Service			
C D13 C D14	F Display Config	🖓 User Manager			
C D15 D16	T Common Config	🗂 Camera Parameter			
1010/200188					
			Apply	OK .	Cancel

Restore default configuration (able to set default selectively)

Click "User Manager" to enter User Manager page , as the picture shown below.

 ✓ D01 ✓ D02 ✓ D03 ✓ D04 1 admin admin ModUser 	
C D03 3 admin Avoir Oser Penne Group ModUser	
- Dos	
- DV2	
© D06 ModGroup	
€ D07	
C D08 ModPassword	
C D10 AddUser	
C D11 C D12	
< DI2 ≤ DI3 AddGroup	
• D14	
C D15 DeleteUser	
10.10.2020.38	
DeleteGroup	
Refresh	
NCHC21	

To manage users' authorities

note: 1. The length of all username cannot be more than 8 bytes, spaces can only be among the string , not at the beginning or the end of the string. only legitimate characters :

Letters, numbers, underline, minus, point .

- 2. There are no limit to users' amount, add / delete accounts are user-defined. There are two kinds of default users: user\admin, user are free to set group , users among a group can specify authority within the group.
- 3. User management have user groups and individual user group names and user names can not be the same, every user can and can only belong to one user group.

[ModUser] modify existed user account

[ModGroup] modify existed user group account

[ModPassword]modify existed user's password, the length of all password cannot be more than 6 characters, spaces can only be among the string, not at the beginning or the end of the string.

【AddUser】 add user account to group and modify user's authority. Enter the menu type in username and password, than choose group. also have to choose to allow account multiplexing or not

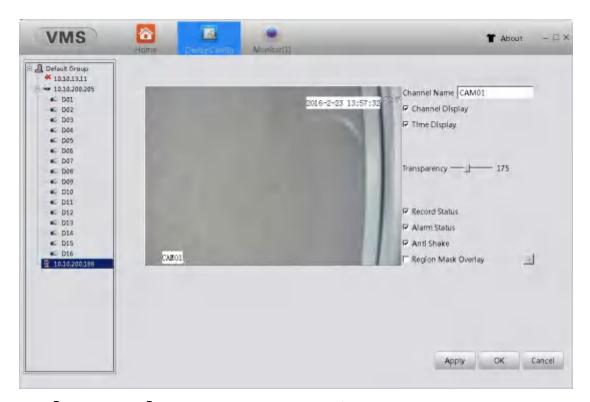
[AddGroup] add a new user group and modify user group's authority. There are 33 authorities are provided, including shut down device, real-time surveillance, playback, record setting, back up...

【DeleteUser】 delete chosen user ,first choose the user than click "delete"

[DeleteGroup] delete chosen user group, first choose the user group than click "delete"

4.1.8 Overlay

Click "Overlay" to enter Overlay page, as the picture shown below.



【Channel Name】 able to change channel names (21 Chinese symbols or 42 English letters maximal)

【Time Display】 tick to display time and date on surveillance view

【Channel Display】 tick to display channel number on surveillance view

【Record status】 tick to display record status on surveillance view

【Alarm status】 tick to display alarm status on surveillance view

【Transparency】 adjust transparency of the back ground from 128 to 255

(Region mask overlay **)** tick to select region mask overlay, click "setting" to enter the corresponding channel. user can select an area to cover up by using the mouse. The covered area are black blocks .

4.1.9 Abnormality

Click "Abnormality" to enter Abnormality page , as the picture shown below. To supervise the storage of the recorders and network condition. Alarm when any abnormality occurs.

【event】 five different settings for each kind of event

Storage Device Not Exist: the recorder can not detect storage device. Could be a damaged link to the storage device or a storage device damage.

VMS	Home Del/ce Contib Monitar(1)	T About - 🗆 X
 B Detauk Graup ★ 10.30.3.11 ★ 10.30.2025 ★ D01 ← D02 ← D03 ← D04 ← D05 ← D06 ← D07 ← D06 ← D07 ← D08 ← D09 ← D10 ← D11 ← D12 ← D13 ← D14 ← D15 ← D16 ▲ 10.30.200.388 	Event Storage Device Not Exist C Enable Screen Tip Buzzer Send Email	Apply CK Cancel

Storage space lack alarm : allows users to set a minimum threshold for Storage space, once breached, alarm will be triggered

VMS	Home Device Cur	Alla Monitor(1)	🅈 About 🛛 – 🗆 X
Default Group 10.10.13.11 C D01 D02 D03 D04 D05 D05 D06 D07 D06 D07 D09 D10 D11 D12 D13 D14 D15 D16 T 10.10.200.186	Event Storage Lower Limit 5 C Screen Tip C Buzzer C Send Email	Space Lark Alarm	Acply CK Cancel

VMS	Home (Berle Confib Monitor())	🕈 About 🛛 — 🗆 X
Default Group	Event Screage Failure P Enable Screen Tip Buzzer Send Email	Apply CK Cancel

【Storage Failure】: It would happen alarm once device detect the storage device is damaged.

IP Conflict: recorder find a device using same IP address as it's own, and triggers the alarm

VMS	Home Device Con	Monitor(1)		About - 🗆 X
Defauk Group 10.10.13.11 010.200.205 001 002 003 004 005 005 006 007 008 009 010 011 012 012 013 014 015 016 10.10.200.186	Event El Contra Screen Tip El Buzzer	t Finable	Apply CK	Cancel

VMS	Home	Derfse Conffa	Monitor(1)		About	- 🗆 X
Defauk Group (10.10.13.11 Defauk Group (10.10.200.205 Defauk Dot Dot	Event F Screen Tip F Buzzer Record	Network Abort	Enable F	Apply CK	Cance	21

[Network Abort] : It would happen alarm once device lose the connection with network.

[Enable **]** : tick the check box \checkmark means opening, then could set up the following settings.

[Lower Limit] : this is to set the lower limit value for the function of Storage Space Lack Alarm.

[Screen Tip] : tick the check box \checkmark then it would pop up alarm information dialog in local preview once alarm triggered.

[Buzzer **]** : tick the check box \checkmark then device local host would emit a beep once it alarm triggered.

(Send Email **)** : tick the check box \checkmark then it would send a alarm email to designated mailbox once alarm triggered.

Notes: before using the function of Send Email, please ensure that you have set the email setting in Network and the device is available to connect the SMTP server.

4.1.10 Video Detect

Click the button of Video Detect, it would appear the interface accordingly, as shown below:

VMS	Hanse Det	No.	eltar(1)	Tabout - 🗆 🗙
 □ Default Group: ★ 10.30.301 ⇒ 10.30.2025 ⇒ D01 ⇒ D02 ⇒ D03 ⇒ D04 ⇒ D05 ⇒ D06 ⇒ D07 ⇒ D08 ⇒ D07 ⇒ D08 ⇒ D09 ⇒ D10 ⇒ D11 ⇒ D12 ⇒ D13 ⇒ D14 ⇒ D15 ⇒ D16 ♥ 10.30.200.386 	Period Interval AlarmOut Record Strapshot	Highest • Setting 2 Channel1 • Channel1 • Channel1 • Channel1 • Channel1 •	Region <u>Setting</u> Seconds Enable T Delay 10 Seconds Enable T Delay 10 Seconds Enable T None	Apply OK Cancel

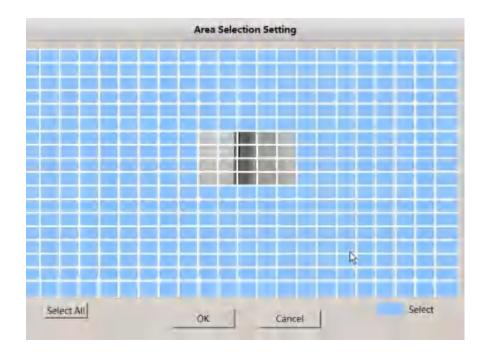
(Enable **)** Tick the check box \checkmark in front of enable means that the motion detect function is on. Then you can set up the corresponding settings.

[Sensitivity] Choose in the six options according to the sensitivity, Lowest, Lower, Middle, High, Higher and Highest.

Note: Only the motion detect under hybrid mode/ full analog mode have this function of setting sensitivity, and also only the analog channel can set region.

(Region **)** Click [setting] to enter the set area. The area is divided into PAL22X18. Black block means the motion detect defensive area. Blue block means the unfenced area. You can set the area as followed, Drag the mouse and draw the area. Default: all selected blocks are detection area.

Note: Only the motion detect under hybrid mode/full analog mode have this function of setting region, and also only the analog channel can set region.



【Period】 Trigger the motion detect signal in the set time section. You can set according to week or set uniformly. Each day is divided into four time sections.

Week	Mo	nday	•					
7	0	: 0	24	: 0	Г 0	: 0	0	: 0
	0	; 0	0	: 0	- O	: 0	0	: 0
Sunday		-						
Monday								
Tuesday								
Wednesday								
Thursday								
Friday								
Saturday								
			OK	1	Cancel			

【 Alarm Out 】 Start the external equipment of corresponding linkage alarm when the motion detect is turned on.

[Delay] Delay a few moments and stop when the alarm state is turned off. The range is 10^{300} seconds.

(Record **)** Choose the recording channel (multiple option supportive). Trigger the video signal when the motion detect is turned on.

Note: Set in the [recording setup] and perform the linkage recording. Start detecting video files in the corresponding time section.

(Snapshot **)** Choose the recording channel (multiple option supportive). Trigger the snapshot when the motion detect is turned on.

[PTZ Activation **]** Set the PTZ activation when the motion detect is turned on.

*Hybrid mode, PTZ link to the related PTZ information of analog channel, While digital channel model, the PTZ is link to the related PTZ information on the remote device connected.

[Send Email] Turn on it means sending an email to user when the alarm is turned on. Note: Set in the [Network] and Email.

[Write Log] Turn on it means sending a log when the alarm is turned on, you can search the log from device log.

[Buzzer] When alarm happens, device will come out with buzz

(FTP **)** Turn on it, the video & picture of related record channel & snapshot channel will be uploaded to assigned position.

Note: FTP upload need be set at [Network]

Select the button of Camera Masking, then could enter the interface accordingly, as shown below:

VMS	Home De	R. M	enitar(1)	_	T A1	ocut – □ X
Defauk Group Constant G	Sens Email	Middle Setting Channol - Channol - Channol - Channol - Channol - None - Witce Other -	Enable Delay 10 Enable Delay 10 Enable Mone	Seconde Secondo	Apply CK	Cancel
	-					

Set method: refer to Motion Detect.

Select the button of Video loss, then could enter the interface accordingly, as shown below:

VMS	Home	Carlor Contra	Monitor())		T About	- 🗆 X
E Default Group - * 10.10.13.11 - * 10.10.200.205	Motion Detectica	mera Masking	Video Los			
C D01	E Enable					
C D03	Period	Setting	1			
≪ D05 ≪ D06	AlamiQuit	Channell.	Enable F Delay 10	Seconds		
€ D07 € D06	Record	Channel1	En able F Delay 10	Secondy		
C D09	5nadshot.	Coanne I.	Enable 🗖			
C D11 C D12	PTZ Active	ion Channel1-	None - None -			
C D13 D14 D15	Write Log	09F	Send Email OFF			
D15 D16 10,10,200,188	fflazzer	OFF -	EINS OTH .			
					Apply OK	Cancel

Set method: refer to Motion Detect.

4.1.11 Alarm Input

Click the button of Alarm Input, ther	could enter the interface	accordingly, as shown below:
---------------------------------------	---------------------------	------------------------------

VMS		14			T About	- 🗆 x
	Home	Derte Config	Monitor(1)			
Default Group ** 10.10.13.11 ********************************	🗂 Enable					
C D01 C D02 C D03	Type	Normal Open	-			
≪ D04	Ferfod	Setting				
C D05 C D06 C D07	Conterval	I	Seconds			
€ D06 € D09	AlamiQui	Onerme I	Emaple E Delay 10	Seconds		
C D10	Record	Channe I	Enable T Delsy ID	Seconda		
C D12 D13	Strapshot	Chernel1	Enable E			
C D14	PTZ Activati	on Channel I-Nor	IE None +			
C D16	Write Log	CFF - Set	to Emidii OFF			
	Buizzei	OFF + FTS	OFF -			
					Apply OK Ca	ncel

Alarm Input interface of IPC

VMS	(Сарание) Натие	Link Defection Ta	Munitar(3)	T About - 🗆 X
Defauk Group 1010.2013.11 Defauk Group 501 Dol2 Dol2 Dol3 Dol5 Dol6 Dol5 Dol6 Dol9 Dol9 Dol0 Dol1 Dol9 Dol0 Dol1 Dol3 Dol9 Dol0 D	AlamiType F Enable Type Period Interval AlamiOurt Reports Toor	Local Alarm Narihel Open Setting I Drenne 1 Orenne 1 Orenne 1 Orenne 1 Sho Oren 1 Sho	Seconds Seconds Seconds Fonde Delay 10 Seconds Fonder Delay 10 Seconds Fonder Mane Withersede OTF Second Emiles Withersede OTF Second Emiles OTF S	OK. Cancel

Alarm Input interface of DVR

(Type) External alarm equipment output based on switch information, which means that alarm status should be same as device alarm type. If the equipment alarm type is normally open, it should be same as the device alarm type, and vice versa. It would pop up error alarm if the type is not same.

Other settings method: refer to Motion Detect.

4.1.12 Alarm Output

Click the button of Alarm Output, it would appear the interface, as shown below:

VMS	Home I	ia. Jevite Config	Monitor(1)	_	🕈 About 🛛 – 🗆 ×
	AlarmMode Auto Manual Closed Status			Apply	OK Cancel

[Auto] Click the button ,the alarm output will according to the configuration.

[Manual] Click the button and the corresponding channel is always has alarm output no matter the channel in any state.

【Closed】Click the button and the corresponding channel is never has alarm output no matter the channel in any state.

[Status] Select means has alarm output at present, otherwise means no.

4.1.13 Disk Manager

Click the button of Disk Manager and enter the interface accordingly, as shown belown: This function is used for manage the hard disk which is installed. And note that if this device have the ability of snapshot, here would have one snapshot disk for store

oult Group 0.10.13.11	No- /	Type	Status	Total Size	FreeSize	Report Start lime	Record EndTime	R/WDIsk
0.10.200.205	1 .x41	-		GMB	ØMB			Smapshot Disk
D01 D02								Read Only Disk
D03 D04								Redundant Disk
D05 D06								Format
D07								Recover
D09								Partition
D10 D11								
D12								
D13 D14								
D15								
D16								

[R/W Disk] after set, this disk or partition could write or read data.

(Snapshot Disk **)** this disk or partition is used for store pictures which come from the function of snapshot.

(Read Only Disk **)** this disk or partition could only be read, can't written in new records or pictures.

[Redundant Disk] this disk or partition is used for double backup the video files.

[Format] select one disk or partition, click this button could format accordingly.

[Recover] select one disk or partition, click this button could repair the disk or partition which is error.

[Partition] able to partition the disk which is selected manually

4.1.14 Record Config

Click the button of Record Config, then could enter the interface accordingly, as shown below:

	Harme an	ALCOID.	٨	A mitars 13	-	-		_		-
Default Group ** 10.10.19.11 ** 10.10.200.005 ** D01 ** D02 ** D03 ** D03 ** D04 ** D05	☐ Redundancy RecordLen 60 PreRecord 5 Mode	Minu Seco & Auto		C Manua		C Close				
C D06 C D07	Minati	Lau daux	-		· ······	Durat	Alteria			
C D09	Week	All days	*	-	General					
🐔 D10	TimeSection1	00:00		\$359 I	P	P	R			
C D11 C D12	TimeSection2	00:00	÷	23/59 🚊	г	E.	E.			
C D13	TimeSection3	00:00	ઝ	23:59 🚍	r	r	e			
C D15	TimeSection4	00.00	긢	23/59	Г	Г	r			
₫ 1010,200136										
								Apply	DK	Cancel

(Redundancy **)** choose the redundancy function option to implement the file double backup function. Double backup is writing the video files in two hard disks. When you do the double backup, make sure that there are two hard disks installed. One is read-write disk and the other is redundant disk.

[RecordLen] Set the time length of each video file. 60 minutes is default value.

[PreRecord] Record 1-30 seconds before the action.(time length is decided by the code stream) [Mode] Three record mode: Auto, Manual and Close

Auto: Record according to the set video type(common, detection and alarm) and time section.

Manual: Click the button and the according channel is recording no matter the channel in any state

Close: Click the stop button and the according channel stops recording no matter the channel in any state.

【 Period 】 set the time section of common recording, the recording will start only in the set range.

[Record type] Set recording type: General, Detect and Alarm.

4.1.15 Snap Config

VMS	Home De	ia. Netrolla	N	(interfaction	-			_	TAbout - 🗆 X
 ☐ Default Group ★ 10.33.13.11 ⇒ 10.10.200.205 ⇒ D01 ⊂ D02 ⊂ D03 ⊂ D04 ⊂ D05 ⊂ D06 ⊂ D07 	Pre Snap 2 Mode Week TimeSection1	Pictur C Auto All days		주 Manua [2360 중	General	ল Close Detect চল	Alarm		
 D08 D09 D10 D11 D12 D13 D14 C15 D16 1010/2200388 	TimeSection2 TimeSection3 TimeSection4	00:00 00:00	मन जन जन	2358	r r r	г г г			
								Apply OK	Cancel

Click the button of Snap Config, then could enter the interface accordingly, as shown below:

【 Pre Snap 】 once happen alarm, it would snapshots 1-5 pictures before alarm triggered to snapshot, by default it is 2 pictures.

Other settings please refer to Record Config

4.2 Alarm Config

Home	Nem Conitor Monitor(1)	_	T About - 🗆 🛪
₩ Sound	CyProgram Files (x86)/VMS/sound/motion.wav	Play	
R Sound	CyProgram Files (x86)/VMS/sound/coverway	Play	
🛛 Sound	C//Program Files (x86)/MMS/sound/lost/wav	Play	
R Sound	C:/Program Files (x86)/VMS/sound/outAlarm.wav	Play	
	Apply		
	Home IF Sound IF Sound IF Sound	Home Marm.Consta Monitor(1) IP Sound CyProgram Files (x86)/VMS/sound/motion.wav IP Sound CyProgram Files (x86)/VMS/sound/covertwev IP Sound CyProgram Files (x86)/VMS/sound/cost.wav IP Sound CyProgram Files (x86)/VMS/sound/cost.wav IP Sound CyProgram Files (x86)/VMS/sound/cost.wav	Home Memo Contity Monitor(1) Sound CyProgram Files 0x86)/VMS/sound/motion.wav

Click the button of Alarm Config, then could enter the interface accordingly, as shown below:

【Alarm type】 there are four types of alarm: Monitor Detect, Camera Masking, Video Loss and IO Alarm.

(Sound **)** VMS could cause alarm sounds according once alarm triggered. Note that you should tick alarm type and the check box of sound \checkmark , as well as set up the alarm settings in device config, only this way VMS could cause alarm sounds.

[Browse] click the button of , you could select the alarm sound file by yourself.
[Play] click this button, you could play the current alarm sound file.

4.3 Tour Config

Click the button of Tour Config, then could enter the interface accordingly, as shown below:

VMS	-UPH	۲	Medical	🕈 About — 🕀 🗵
	- Hurm		Alesthortu	

Click the button of

, you could add tour project.



Select one of the window and double click the device channel from Device list, the channel would be added to this window, also you could add the view directly from the View list.

lame: Project 1	StayTime:	10	(Seconds)	Devices
.200.205 - 1	- Main Str	Unbinding	× Channel	Default Group 10.10.13.11 10.10.200.205 D01 D02 D03 D04 D05 D05 D06
Unbinding	Channel	Unbinding	Channel	D07 D08 D09 D10 D11 D12 D13 D14
				¥Tew

Rename the project and stay time, then click the button of Save. Or you could click the button of Save And Continue, in this way, you could continue add new project. After these, you could see the interface as below show:

VMS	FUrm	8	MonitorD	T About	- 17 ×
Covid a true Ltd Project 1-Stay 10 S	Project 2Stay 10	 Project 3- 	-Stay 10 % 0		
			-		

Finally, you could use this function in the interface of Monitor, it would monitor according to the tour project.

4.4 User Manager

Click the button of User Manager, then enter the interface, as shown below: Note that by default there are only one managed account(account: admin password: admin)



Click the button of

then could add new operator account, as shown below:

VMS	-Umi	۲	Manhortz	T About - D X
Disconi				
-			o :	
Name Jurnin	Nam	- -	-	
Passeord	Fassa	ort.		

4.5 Edit User

Click the button of *i*, then could set the password of user account accordingly, and click the button of OK to confirm.

k	
Name:	operator
Password	
Confirm:	1
OK	Cancel

You could set the rights of user account just click the portrait itself, then it would pop up the interface as below shown.

- 50	lect All		
	lo.	Authority	-
•	1	MonitorProj	
	2	Playback	
•	3	PTZ	
•	4	DeviceConfig	
•	5	DeviceManger	
	6	ClientLog	
	7	AlarmConfig	
•	8	Emap	_
~	9	ClientConfig	

4.5.1 Delete User

Click the button of [1], it's to delete this user account.

4.6 System Config

Click the button of System Config, then could enter the interface accordingly, as shown below.

	Home System Canity Monitor(1)		TAbout - 🗆 X
Basi, Config			
Log Saved Time	30days •		
_	English CoProgram Files (486)/VM5/data/users/admim/pictures	Browse	
	CVProgram Files (x86)/VMS/data/users/admin/down loads	Browse	
Remember login p	password		
T Auto login			
T Auto start applica			
F Resume the last p	retween Sub Stream and Main Stream		
E Show Start Up Wi			
	Apply Default		

[Log Saved Time] it's to set log saved time. The max saved time is 90 days.

[Language] here you could set the language of VMS, VMS should reboot after modified.

[Picture Path] this path is used for save the picture which is snapshot in monitor and you could set it by yourself.

[Download Path] this path is to save the records which you download in Playback and you could set it by yourself.

[Remember login password] Once this box is ticked, the password would be remember.

【 Auto login 】 Once this box is ticked, VMS would auto login after start software. Note that this function need tick the box of remember login password at the same time.

【Auto start application】 Once this box is ticked, computer would auto open VMS after startup.

[Auto Switching between Sub Stream and Main Stream] tick it \checkmark in the check box then by default the live view would auto use main stream when less than 4 windows and the live view would auto use sub stream when more than 9 windows. If you use 6 windows or 8 windows, the maximum windows use main-stream and other windows use sub-stream.

[Resume the last preview status] tick it \checkmark in the check box then VMS would auto connect the channels which are connected last time.

5. Extensions

5.1 Map

Click the button of Map, then could enter the interface accordingly, as shown below:

An thanks	VMS		Molloch	T Abo	xut — 🗆 X
	Anthannes	() () () () () () () () () () () () () (
Enter the edit mode		Enter the edit mode			2

【Maps/All Channels 】 display maps which have been added and device list. 【Edit 】 It could be used to edit the map.

5.2 Add Map

Right-Click in the Map list, then you could add map, as below shows:



Select the map picture and input the name.

Form		2
Picture	Users/Administrator/Desktop/1.png	Browse
Name	123	
	OK Cancel	

Click the button of OK to confirm, now the map have been added.



5.3 Add sub-map

Right-Click in the view of map, it would pop up the window to add sub-map:



Select the map picture and input the name, then click the button of OK to confirm it.



In maps list, the sub-map would appear in the original map drop list, also you could find the mark in the right display area.

Double click the mark of sub-map in display area or click it in maps list, the sub-map could open and display.

5.4 Add devices in map



Select the channels in the list of All Channels, it could drag into map, then like below shows:

5.5 Delete device

Click the button of Edit, then you could delete the device in the display area, don't forget to click the button of OK to confirm it.



5.6 Delete map

Right-Click the map which is in the Maps list, you could remove it.



5.7 Bcckup

The function of Backup is used for import and export device list, which means you could export the file of devices list, as well as import it. This would be convenient for use.

Note: After import, please reboot VMS.

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