



# Catalogue

1	Softw	vare Introduction	3
	1.1 O	verview	3
	1	1.1.1 User & privacy management	3
	1	1.1.2 Use data interface	3
	1	1.1.3 Support edit and add device by Excel table	3
	1	1.1.4 Smart video transmission protocol	3
	1	1.1.5 Perfected video surveillance system	3
	1	1.1.6 Dynamic decoding buffer adjust	3
		1.1.7 Centralized management	
	1	1.1.8 Fine operability	4
		1.1.9 High integration level	
		1.1.10 High reliability	
		1.1.11 Fine expansibility	
		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-	
		and playback)	
		L.1.15 XML data storage	
		L1.16 Compatible with multiple protocols for rocker keyboard	
		L.1.17 Multiple kinds of alarm devices are allowed, such as CK, VISTA	
		L.1.18 Compatible with multiple kinds of 3D positioning protocols. Able	
2.		perform 3D positioning within the viewing area Ilation Instructions	
Ζ.	Insta		ງ
	2.1	Software Environment	5
	ź	2.1.1 Hardware	-
	2	2.1.2 Software	-
	-	2.1.3 Installation	-
3.	Funct	tion modules	8
	3.1	VMS home page	8
	3.2	Monitor	8
	3.3	Device Manager	10
	3.4	Playback	11
	3.5	Record Settings	13
	3.6	Log	14
	3.7	Alarm Info	15

4.	Coi	nfig Man	age	
	4.1	Devic	ce Config	16
		4.1.1	Network settings	16
		4.1.2	Encode Config	23
		4.1.3	Camera Param	24
		4.1.4	PTZ Config	25
		4.1.5	System Config	26
		4.1.6	Version Info	27
		4.1.7	Tool Manager	
		4.1.8	Overlay	
		4.1.9	Abnormality	31
		4.1.10	Video Detect	
		4.1.11	Alarm Input	
		4.1.12	Alarm Output	
		4.1.13	Disk Manager	41
		4.1.14	Record Config	
		4.1.15	Snap Config	44
	4.2	Alarm	n Config	45
	4.3	Tour	Config	45
	4.4	User	Manager	
	4.5	Edit I	Jser	
	1.5	4.5.1	Delete User	
_	4.6	2	m Config	
5.	Exte	ensions		52
	5.1	Map.		52
	5.2	Add I	Мар	53
	5.3	Add s	sub-map	54
	5.4	Add o	devices in map	56
	5.5	Delet	te device	56
	5.6	Delet	te map	57
	5.7		up	
	5.7	Dackt	up	

# **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, and 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 easier in coping with the maintenance of a large batch device which improves system's usability 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 integrated E-map function.

### 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: P4/2.0Ghz 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 TNT2 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 VMS.exe to start the VMS setup sequence

🛃 REVO Aero VMS Setup		×
	Welcome Welcome to the installer for REVO Aero VMS . It is strongly recommended that you exit all Windows programs before continuing with this installation. If you have any other programs running, please click Cancel, close the programs, and run this setup again. Otherwise, click Next to continue.	
	< Back Next > Cancel	

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

different location, either type in a new path, or cli	
The software will be installed in the folder listed b different location, either type in a new path, or cli an existing folder.	
Install REVO Aero VMS to: C:\Program Files (x86)\REVO Aero VMS	C <u>h</u> ange
Space required: 212.4 MB Space available on selected drive: 16.34 GB	
opace available on selected alloc. 10.01 of	
< Back Net	ct > 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).

VMS
Account Type: Local 💌
UserName: admin
Password:
Remember Password
OK Cancel
Local log in
VMS
Account Type: Cloud
UserName: admin
Password:
Remember Password
Don't have an account? <u>Register</u> OK Cancel
Could log in



(4) When the logging in is finished, An icon appears on your desktop.

# **3. Function modules**

# 3.1 VMS home page

The home page of VMS is shown below.

VMS	Home					🕇 About —	□ ×
General Function	IS Device Manager	Playback	Record Settings	Log	Alarm Info		
Config Manager	Alarm Config	Tour Config	User Manager	System Config			
Extensions	Backup						

# 3.2 Monitor

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

VMS America Monitor(1)	🕈 About 🛛 – 🗆 🗙
	Devices         □       Default Group         →       10.10.13.11         □       10.10.200.205         □       © D01         □       © D02         □       © D03         □       © D04         □       © D05         □       © D06         □       © D07         □       © D08         □       © D10         □       © D11         □       © D12         □       © D13         □       © D14         □       © D15         □       016         □       10.10.200.188
	View

### [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
Multi-screen switch	To change the viewing number of multi-screen monitoring, simply select 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】

Auto -	Choose display scale,			
Ruto	auto resize turned on			
	by default.			
-	Temporary manual			
	record.			
	Instantaneous manual			
	record.			

5	Click to enable audio.
400	PTZ × Zoom Iris Step 5
€⁄	Adjust the color of video on VMS, Not of the device. VideoColor × Brightnes 64 Hue 64 Contrast 64 Saturation 64
×	Disconnect the video.

## [PTZ control]

Click the button of PTZ and pop up the control interface.



### 【Video color】

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

×
- 64
- 64
- 64
- 64

# 3.3 Device Manager

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

Th	e following de	evices have been fo	ound:				The fo	llowing devices ha	ve been added:			
ŕ	Name	Cloud ID	IP/Port	Vendor	Grou		Гne	Cloud ID	IP/Port	Group	Status	perat
	10.10.11.19	738905cb912c8971	10.10.11.19:34567	×м	Defa.		0.13.11	bdf08f6243de7315	10.10.13.11:34511	Default	Timeout	2
	10.10.11.32	a69cd38d06a0d0a9	10.10.11.32:34567	×M	Defa.		.200.205	acac3401c6eb8ee9	10.10.200.205:34567	Default	Connected	2
	10.10.13.13	d371f58da8992411	10.10.13.13:34513	×м	Defa.		.200.188	6537fa5128940f65	10.10.200.188:34567	Default	Connected	2
	10.10.13.21	03ba70ce84f6ced8	10.10.13.21:34521	×M	Defa.							
	10.10.13.22	d8628f0893b2398c	10.10.13.22:34522	×м	Defa.							
	10.10.13.24	d55cc41700184baa	10.10.13.24:34524	×м	Defa.	Add						
	10.10.13.42	021fc2b9cd992cc9	10.10.13.42:34542	×м	Defa.							
	10.10.13.44	452929a058519fa2	10.10.13.44:34544	×м	Defa.							
	10.10.13.52	737afeec7f2814e2	10.10.13.52:34552	×м	Defa.							
ו	10.10.200.11	e28ff6178c31a7b0	10.10.200.11:34567	×м	Defa.							
	10.10.200.126	4262089249e72092	10.10.200.126:34568	×м	Defa.							
	10.10.200.140	9a71f077ae0b27d8	10.10.200.140:34567	×M	Defa.							
	10.10.200.141	f84fa0572a66fd72	10.10.200.141:34567	×м	Defa.							
ב	10.10.200.146	3cdd8feea9b4194d	10.10.200.146:34567	×M	Defa.							
	10.10.200.15	c7a908564b23ac80	10.10.200.15:34567	×M	Defa.							
	10.10.200.218	aa6baeb7a4c1791c	10.10.200.218:34567	×M	Defa.							
	10.10.200.70	9759e3449a119010	10.10.200.70:34567	×M	Defa.	Remove						
	10.10.200.89	f866725fd3af93d0	10.10.200.89:34567	×M	Defa.							
1		Search			Þ		✓ 「 In ord	· · ·	modify ip automat			

**(**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:

VMS	Home Playb	🕇 About 🛛 – 🗆 🗙
		Local         Device <ul></ul>
File S	▲ **	Begin 2016/02/23 0:00:00

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
$\bigcirc$	Play
••	Slow play

	Stop

# 3.5 Record Settings

Click "Record Settings" to enter its page, as shown in Figure below

VMS Mome	Record Settings		🕈 About 🛛 – 🗆 🗙
Storage Setting D:/ Disk Reserve Space: 5 File Packet Time: 3 When the storage space is full •		F F∕	
Windows     All       Image: Contract of the second       Time Span:       0:00:00       To       23:55	•59		
	Apply Restore D	efault	

#### [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 its 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

	Device					
BeginTime: Type:	2016/02/23	0:00:00 🛨 Log 🗾 All		EndTime: 2016/02/23 2	3:59:59 🔹 Search	
No.		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.

	Processing Status	Alarm Type	Time	Device	Channe
1		Motion Detect Happen	2016-02-23 13:49:07	10.10.200.188	1
2	Unprocess	Motion Detect Stop	2016-02-23 13:49:08	10.10.200.188	1
3	Unprocess	Motion Detect Happen	2016-02-23 13:49:11	10.10.200.188	1
4	Unprocess	Motion Detect Stop	2016-02-23 13:49:11	10.10.200.188	1
5	Unprocess	Motion Detect Happen	2016-02-23 13:50:03	10.10.200.188	1
6	Unprocess	Motion Detect Stop	2016-02-23 13:50:04	10.10.200.188	1

[alarm information list]

In the list all the treated and untreated alarms are shown, double click the untreated information will change its 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).

VMS	The Mone Mo	onitor(1)	Que Config				T	About	- 🗆 X
□         □		incode Config C	amera Param	PTZ Config	System Config	Version Info	Tool Manager	Overlay	
C D09 C D10 C D11 C D12 C D13 C D14 C D15 C D15 C D16 C D16	Alarm Config	Video Detect	Alarm Inp	but Ala	rm Output				
	Srorage Config	Record Config	Snap Con	fig					

## 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.

Default Group	TCP/IP DAS	Cloud Email FTP DDNS PPPOE RTSP	
<ul> <li>10.10.200.205</li> <li>D01</li> <li>D02</li> <li>D03</li> <li>D04</li> <li>D05</li> <li>D06</li> <li>D07</li> <li>D08</li> <li>D09</li> <li>D10</li> <li>D11</li> <li>D12</li> <li>D13</li> <li>D14</li> <li>D15</li> <li>D16</li> <li>10.200.188</li> </ul>	Interface IP Submask Gateway Primary DNS Secondary DNS TCP Port MAC Address	Wired Interface <ul> <li>Enable DHCP</li> <li>10.10.200.188</li> <li>255.255.255.0</li> <li>10.10.200.1</li> <li>192.168.1.1</li> <li>8 .8 .8 .8</li> <li>34567</li> <li>Http Port 80</li> </ul> 00:3e:0d:00:96:db	
	☐ Enable High Spee Network Transmissic	n Policy QualityP 💌	

[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.

VMS	Home Monitor(1) Device Config	About	- 🗆 X
Default Group	TCP/IP     DAS     Cloud     Email     FTP     DDNS     PPPOE     RTSP       If     Enable       SerialNO     123456       Server Address     10.2.1.58       Server Port     9400       UserName     admin       Password	]	
	Apply	ок	Cancel

【Enable】 tick to activate DAS
【Serial NO】 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	Image: Second	🅈 About 🛛 — 🗆
□       Default Group         ✓       10.10.13.11         □       10.10.200.205         ✓       D01         ✓       D02         ✓       D03         ✓       D04         ✓       D03         ✓       D04         ✓       D05         ✓       D05         ✓       D06         ✓       D07         ✓       D08         ✓       D09         ✓       D10         ✓       D10         ✓       D12         ✓       D13         ✓       D14         ✓       D16         ✓       10.10.200.188	TCP/IP     DAS     Cloud     Email     FTP     DDNS     PPPOE     RTSP       IF     Enable     MTU     1280     Bytes	]
	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 http://www.revoaero.com, 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

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

VMS	Home	Monitor	(1) Dev	ice Config				1	About	– 🗆 X
Default Group	ТСР/ІР	DAS	Cloud	Email	FTP	DDNS	PPPOE	RTSP	]	
	⊏ Enable	Test								
- 🧭 D04 - 😴 D05		ver Your SN	/ITP Server							
- C D06 - C D07 - C D08	Port	25 Inver Need S	afe Connecti	on						
- 😴 D09 - 😴 D10 - 😴 D11	UserName									
- 🕼 D12 - 🕼 D13	Password									
- 😴 D14 - 🌍 D15 - 😴 D16	Sendor Recipient			_						
<b>3</b> 10.10.200.188	Subject		Message							
								Apply	ок	Cancel

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

Home Monitor(1) Device Config	
* 10.10.3.11       Image: Code Code Code Code Code Code Code Code	Cancel

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

**(**Sever IP **)** appointed FTP server's address, if the sever is in wide area network, the recorder must be connected to the wide area network , too

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

【Username/password】 the username and password that user registered on the FTP server, which also requires it's authority.

【Anonymous】 tick the anonymous allows users to upload files to the FTP server without logging in, in order to make this work, please make sure the FTP server 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 must have upload authority to the server.

**DDNS** setting

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

□	TCP/IP DAS Cloud Email FTP DDNS PPPOE RTSP
→       10.10.13.11         ⇒       10.10.200.205         →       D01         →       D02         →       D02         →       D03         →       D02         →       D03         →       D04         →       D05         →       D05         →       D06         →       D07         →       D08         →       D10         →       D10         →       D11         →       D13         →       D15         ↓       10.10.200.188	DDNS Type SPARSH DDNS
	Apply OK Cancel

【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.

Default Group         TCP/IP         DAS         Cloud         Email         FTP         DDNS         PPPOE         RTSP           Image: T0.10.200.205         T0.10.200.205         Image: TCP/IP         DAS         Cloud         Email         FTP         DDNS         PPPOE         RTSP	- 🗆 X
C D01	cel

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 Config	🕈 About 🛛 — 🗆 🗙
□       Default Group         →       10.10.13.11         □       10.10.200.205         □       D01         □       D02         □       D02         □       D04         □       D05         □       D06         □       D08         □       D09         □       D10         □       D12         □       D13         □       D14         □       D15         □       D15         □       10.10.200.188	TCP/IP     DAS     Cloud     Email     FTP     DDNS     PPPOE     RTSP       IP     Enable       Port     554	
	Apply	OK 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.

VMS	Home Device Con	fig Monitor(1)		🕈 About 🛛 – 🗆 🗙
<ul> <li>➡ Default Group</li> <li>➡ 10.10.13.11</li> <li>➡ 10.10.200.205</li> <li>➡ Do1</li> <li>➡ Do2</li> <li>➡ Do3</li> <li>➡ Do4</li> <li>➡ Do5</li> <li>➡ Do5</li> <li>➡ Do6</li> <li>➡ Do7</li> <li>➡ Do8</li> <li>➡ Do9</li> <li>➡ D10</li> <li>➡ D11</li> <li>➡ D12</li> <li>➡ D13</li> <li>➡ D13</li> <li>➡ D14</li> <li>➡ D15</li> <li>➡ D16</li> <li>➡ 10.10.200.188</li> </ul>	Compression H.264		Extra Stream	OK Cancel

[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

Default Group         * 10.10.3311         * 10.10.200_205         * 0003         * 0003         * 0003         * 0003         * 0004         * 0005         * 0006         * 0007         * 0008         * 0008         * 0007         * 0008         * 0007         * 0008         * 0009         * 010         * 010         * 010         * 010         * 010         * 010         * 010         * 010         * 011         * 010         * 011         * 012         * 013         * 014         * 015         * 016         * 010.0200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200188         * 10.10.200189	VMS	Home Device Config Monitor(1)	T About	- 🗆 X
	→       10.10.13.11         →       10.10.200.205         →       D01         →       D02         →       D03         →       D04         →       D05         →       D05         →       D06         →       D07         →       D08         →       D09         →       D10         →       D11         →       D12         →       D13         →<	Day/Night Mod       Auto         Scene Mode       Auto         Video Profile       Style2         Day NT Level       3         AGC       ON         Video Dynamic       OFF         Upper       50         Slow shutter       Low         AE Reference       50         DNC Threshold       30         AE Sensitivity       5         IR_CUT       SyncSwitch         Backlight       OFF         OFF       Flip OFF         Auto Iris       OFF	OK Cancel	

## 4.1.4 PTZ Config

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

VMS	6 Home	Device Config	Monitor(1)	_	_	_	🕈 About	- 🗆 X
□       Default Group         →       10.10.13.11         □       10.10.200.205         □       D01         □       D02         □       D03         □       D04         □       D05         □       D06         □       D07         □       D08         □       D11         □       D12         □       D12         □       D13         □       D15         □       D15         □       D16	Address Baud Rate Data Bits Stop Bits					Apply	OK Can	cel

[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.

VMS	Home Device Confi	g Monitor(1)	T About	- 🗆 X
Default Group ✓ 10.10.13.11 ✓ 10.10.200.205 ✓ D01 ✓ D02 ✓ D03 ✓ D04 ✓ D05 ✓ D05 ✓ D06 ✓ D07 ✓ D08 ✓ D09 ✓ D10 ✓ D11 ✓ D12 ✓ D13 ✓ D14 ✓ D15 ✓ D16 ✓ 10.10.200.188	System Time Date Format Date Separator Time Format Language Operation When Disk Full Video Standard Standby Time	2016/02/23 🔹 13:55:06 🔹 Г DST Setting YYMMDD • 24H • English • OverWrite • PAL • 0 Minutes	Apply OK Cance	

[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

**[** Language **]** 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 its 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 its 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	Home Device (	ionfig Monitor(1)	🕈 About 🛛 — 🗆
1 Default Group			
★ 10.10.13.11	Version	V4.02.R11.09601532.10010.230100.00000	
→ 10.10.200.205			
- C D01	Cloud ID	6537fa5128940f65	
- C D03	CIOUCIE	0007100120310100	
- C D04	Build Time	2015-12-28 20:23:31	
- 🕼 D05	bullu fillie	2013-12-20 20.23.31	
- 🕼 D06	<b>B</b>		
- 🕼 D07	Run Status	0	
- 🕼 D08	_		
- 🥏 D09	Record Channels	1	
- 🕼 D10			
- 🕼 D11	Alarm In Channels	2	
- 🕼 D12			
- 🕼 D13	Alarm Out Channels	1	
- 🕼 D14			
- 🕼 D15	Nat Status	2:123.59.25.129/1/Connected	
└ 🕼 D16			
🔮 10.10.200.188			
		OK	

#### 4.1.7 Tool Manager

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

VMS	Home Device Conf	ig Monitor(1)	🕇 About 🛛 – 🗆 🗙
Default Group     ≪ 10.10.13.11     ↔ 0.10.200.205	Resume Default User Manager Please select the items	you want to restore default!	
<ul> <li>C D03</li> <li>C D06</li> <li>C D07</li> <li>C D08</li> <li>C D09</li> <li>C D10</li> <li>C D11</li> <li>C D12</li> </ul>	☐ General Config ☐ Record Config ☐ Network Config	Encode Config     Alarm Config     Network Service	
← 013 ← 014 ← 015 ← 015 ← 016 ← 010.200.188	디 Display Config	□ User Manager □ Camera Parameter	
			Apply OK Cancel

Restore default configuration (able to set default selectively)

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

VMS	Home	Device Config Monitor(	1)	👕 About 🛛 – 🗆 >
Default Group ▲ Default Group ▲ 10.10.13.11 ■ 10.10.200.205 ■ D01 ■ D02 ■ D03 ■ D04 ■ D05 ■ D04 ■ D05 ■ D06 ■ D07 ■ D08 ■ D09 ■ D11 ■ D12 ■ D11 ■ D12 ■ D13 ■ D14 ■ D15 ■ D15 ■ D16 ■ 10.10.200.188	Resume Default No. 1	er Manager	Group edmin	ModUser ModGroup ModPassworc AddUser AddGroup DeleteUser DeleteGroup Refresh
				Apply OK Cancel

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, and 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, and users among a group can specify authority within the group.
  - 3. User management have user groups and individual user group names and user names cannot 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.

VMS	Home	Device Config	Monitor(1)	T About – 🗆 🗙
□       □       Default Group         ■       10.10.13.11         ■       10.10.200.205         ■       □         □       □         □<	CAM	01 <sub>34</sub>		2016-2-23 13:57:32   Channel Name   Channel Display   Time Display   Transparency   175   Record Status   Alarm Status   Anti Shake   Region Mask Overlay
				Apply OK Cancel

【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 cannot detect storage device. Could be a damaged link to the storage device or a storage device damage.

VMS	Home Device Config Monitor(1)	<b>1</b> About	- 🗆 X
□       Default Group         ✓       10.10.13.11         □       10.10.200.205         ✓       D01         ✓       D02         ✓       D03         ✓       D03         ✓       D03         ✓       D05         ✓       D05         ✓       D06         ✓       D07         ✓       D08         ✓       D10         ✓       D10         ✓       D12         ✓       D13         ✓       D14         ✓       D15         ✓       1010.200.188	Event Storage Device Not Exist C Enable C Screen Tip Buzzer Send Email	K	e

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

VMS	Home Device Config Monitor(1)	🕈 About	- 🗆 X
□       Default Group         ✓       10.10.13.11         □       □0.10.200.205         ✓       D01         □       □0.10.200.205         ✓       D01         □       □0.10.200.205         ✓       D03         □       D03         □       □03         □       □04         ○       D06         □       □07         □       □08         □       □10         □       □11         □       □12         □       □13         □       □14         □       □15         □       □10.0.200.188	Event Sorage Space Lack Alarm C Enable Lower Limit S % % Screen Tip Buzzer Send Email	OK Canc	el

 $\mbox{\tt Storage Failure \tt ]}$  : It would happen alarm once device detect the storage device is damaged.

VMS	Home Device Config Monitor(1)	About	- 🗆 X
□       □       Default Group         □       10.10.13.11         □       10.10.200.205         □       □         □       □0.1         □       □0.1         □       □0.1         □       □0.1         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □0.0         □       □11         □       □12         □       □13         □       □15         □       □15         □       □16         10.10.200.188       □	Event Screen Tip Buzzer Send Email	Cance	4

IP Conflict: recorder fined a device using same IP address as its own, and triggers the alarm

VMS	A Home	Q Device Config	Monitor(1)		🕈 About	– 🗆 X
Default Group ↓ 10.10.13.11 ↓ 10.10.200.205 ↓ 001 ↓ 002 ↓ 003 ↓ 004 ↓ 005 ↓ 006 ↓ 006 ↓ 007 ↓ 008 ↓ 009 ↓ 010 ↓ 011 ↓ 012 ↓ 013 ↓ 014 ↓ 015 ↓ 016 ↓ 015 ↓ 016 ↓ 016 ↓ 016 ↓ 017 ↓ 010 ↓ 010	Event E Screen T Buzzer	<b>[P Conflict</b> [p	▼ I <sup>-</sup> Enable	Apply Ot	Canco	21

VMS	Home	Q Device Config	Monitor(1)	1	About	– 🗆 X
□       Default Group         →       10.10.13.11         □       10.10.200.205         □       □<	Event Screen Ti Buzzer Record	Network Abort	▼ Fnable	Apply OK	Cance	

[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	Home Device Config Monitor(1)	🕇 About	- 🗆 X
<ul> <li>☐ Default Group</li> <li>✓ 10.10.13.11</li> <li>⇒ 10.10.200.205</li> <li>✓ D01</li> <li>⊂ D02</li> <li>⊂ D03</li> <li>⊂ D04</li> <li>⊂ D05</li> <li>⊂ D06</li> <li>⊂ D07</li> <li>⊂ D08</li> <li>⊂ D09</li> <li>⊂ D10</li> <li>⊂ D11</li> <li>⊂ D12</li> <li>⊂ D13</li> <li>⊂ D14</li> <li>⊂ D15</li> <li>⊂ D15</li> <li>⊂ D16</li> <li>2 10.10.200.188</li> </ul>	Motion DetectCamera Masking Video Loss         Image: Period Setting         Period Setting         Interval 2       Seconds         AlarmOut       Channel1 • Enable □ Delay 10 • Seconds         Record       Channel1 • Enable □ Delay 10 • Seconds         Snapshot       Channel1 • Enable □ Delay 10 • Seconds         Snapshot       Channel1 • Enable □ Delay 10 • Seconds         Snapshot       Channel1 • Enable □         PTZ Activation       Channel1 • OFF • Write Log ON • •         Buzzer       OFF • FTP OFF •		
	Appi	ОК	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.

	-				Setting			
Week	Mo	nday	<u> </u>					
2	0	: 0	24	: 0		: 0	0	: 0
	0	: 0	0	: 0	0	: 0	0	: 0
Sunday		4 1		8 4	1. 1	12	4 12	4
Monday		a n			r i	bi V	1 K	1
Tuesday		a i		n i	1 7	ſ	1 1	
Wednesday						k.		
Th <mark>ursday</mark>		1 1			1 1		3. U	
Friday						М.,		
Saturday		* *					4 K	
			OK	1	Cancel	6		

【 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	Device Config	Monitor(1)	_	T About	- 🗆 X
Default Group ✓ 10.10.3.11 ⊖ 10.10.200.205 ○ D01 ○ D02 ○ D03 ○ D04 ○ D05 ○ D06 ○ D07 ○ D08 ○ D09 ○ D10 ○ D10 ○ D11 ○ D12 ○ D13 ○ D14 ○ D15 ○ D14 ○ D15 ○ D10	Motion Detect Car Enable Sensitivity Period AlarmOut Record Snapshot		eo Loss  Enable  Delay 10  Enable  Delay 10  Enable  Delay 10  Enable  Enable	Seconds Seconds		
					Apply OK	Cancel

Set method: refer to Motion Detect.

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

below:

VMS	Home Device Config Monitor(1)	🕈 About 🛛 – 🗆 🗙
Image: Constraint of the state of the		About – Li X
	Appl	ly OK Cancel

Set method: refer to Motion Detect.

#### 4.1.11 Alarm Input

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

VMS	Home Device Config Monitor(1)	About - □ ×
Default Group     ✓ 10.10.13.11     ✓ 10.10.23.11     ✓ 001     ✓ 001     ✓ 002     ✓ 003     ✓ 004     ✓ 005     ✓ 006     ✓ 007     ✓ 008     ✓ 009     ✓ 010     ✓ 011     ✓ 012     ✓ 013     ✓ 014     ✓ 015     ✓ 014     ✓ 015     ✓ 016     ✓ 10.10.200.188	Fenable   Type   Normal Open *   Period   Setting   Interval   1   Seconds   AlarmOut   Channel1 *   Enable Delay 10   Seconds   Snapshot   Channel1 *   Enable Delay 10   Seconds   Snapshot   Channel1 *   Enable Delay 10   Seconds   Snapshot   Channel1 *   Enable E   PTZ Activation   Channel1 None *   None *   Buzzer   OFF *   Send Email   OFF *   Buzzer   OFF *   OFF *	DK Cancel

Alarm Input interface of IPC

VMS	Home Device Config Monitor(1)	About – 🗆 🗙
☐ Default Group     ✓ 10.10.13.11     ✓ 10.10.200.205     ✓ D02     ✓ D03     ✓ D04     ✓ D05     ✓ D05     ✓ D06     ✓ D07     ✓ D08     ✓ D09     ✓ D10     ✓ D11     ✓ D12     ✓ D13     ✓ D14     ✓ D15     ✓ D16     ✓ 10.10.200.188		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	🛃 Device Config	Monitor(1)		🕇 About 🛛 – 🗆
Default Group * 10.10.13.11 * 10.10.200.205 • D01 • D02 • D03 • D04 • D05 • D04 • D05 • D06 • D07 • D08 • D09 • D10 • D10 • D11 • D12 • D13 • D14 • D15 • D16 • 10.10.200.188	AlarmMode Auto Manual Closed Status			Аррју	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 below: 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

VMS	-	6 Home		🛃 te Config	Monitor	(1)	_	_	🕈 About	- 🗆 >
□       Default Group         →       10.10.201.205         →       10.10.200.205         →       D01         →       D01         →       D02         →       D03         →       D04         →       D05         →       D06         →       D07         →       D08         →       D10         →       D11         →       D12         →       D14         →       D15         →       D16         ♀       10.10.200.188	1	No. A	Type 	Status	Total Size OMB	Free Size OMB	Record StartTime	Record EndTime	R/W Dísk Snapshot Dísk Read Only Dísk Redundant Dísk Format Recover Partítion	Cancel

[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:

VMS	Home De	vice Config	Monitor(1)			-	_	<b>1</b> About	- 🗆 ×
<ul> <li>Default Group</li> <li>▲ 10.10.13.11</li> <li>➡ 10.10.200.205</li> <li>➡ D01</li> <li>➡ D02</li> <li>➡ D03</li> <li>➡ D04</li> <li>➡ D05</li> <li>➡ D06</li> <li>➡ D07</li> <li>➡ D08</li> <li>➡ D09</li> <li>➡ D10</li> <li>➡ D11</li> <li>➡ D12</li> <li>➡ D13</li> <li>➡ D14</li> <li>➡ D15</li> <li>➡ D16</li> <li>➡ 10.10.200.188</li> </ul>	<ul> <li>              Redundancy      </li> <li>             Record 5         </li> <li>             Mode         </li> <li>             Week         </li> </ul> <li>         TimeSection1         <ul>             TimeSection3         </ul></li> TimeSection4	Minute Second All days 00:00	23:59 × 23:59 × 23:59 ×	al General F F	C Close Detect ア 「	Alarm F F	Apply	OK C	ancel

**(**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

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

	ome Dev	vice Config	M	onitor(1)				_	1 About	- 🗆 X
□         Default Group           □         0.10.213.11           □         0.10.200.205           □         0.00           □         0.00           □         0.00           □         0.00           □         0.03           □         0.04           □         0.05           □         0.07           □         0.08           □         0.09           □         0.11	Pre Snap 2 Mode Week TimeSection 1 TimeSection 2 TimeSection 3	Pictures C Auto All days 00:00 00:00		C Manua 2359 - 2359 - 2359 - 2359 - 2359 - 2359 - 2359 - 2359 -	al ر	Close Detect	Alarm	Apply OK	Cancel	

【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

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

VMS	6 Home	Alarm Config	Monitor(1)	_	🕈 About	- 🗆 >
Global Config						
Monitor Detect	🔽 Sound	C:/Program Files (x86)	/VMS/sound/motion.wav	Play		
🔽 Camera Masking	🔽 Sound	C:/Program Files (x86)	/VMS/sound/cover.wav	Play		
🔽 Video Loss	🔽 Sound	C:/Program Files (x86)	/VMS/sound/lost.wav	Play		
🔽 IO Alarm	🔽 Sound	C:/Program Files (x86)	/VMS/sound/outAlarm.wav	Play		
			Apply			

【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 unit, 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	Home	Tour Config	Monitor(1)	_	T Abou	t – □ ×
Config Tour List	Home	Tour Config	Monitor(1)			

Click the button of , you could add tour project.

v∎s Name: Project 1 Stay	ime: 10	_ (Seconds)	Devices
Unbinding Channe	Unbinding (	Channel	Default Group     ✓ 10.10.13.11     ✓ 10.10.200.205     ✓ 001     ✓ 002     ✓ 003     ✓ 004     ✓ 005     ✓ 005     ✓ 006     ✓ 005
Unbinding Channe	Unbinding (	Channel	- C D07 - C D08 - C D09 - C D10 - C D11 - C D12 - C D13 - C D14 View
	25 36 64	Save And Co	

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.

× Unbinding Channel	□       Default Group       ▲         □       ★       10.10.13.11         □       10.10.200.205         □       D01         □       ©         □       002         □       ©         □       003         □       ©         □       ©         □       ©         □       ©         □       ©         □       ©         □       003         □       ©         □       ©         □       ©         □       ©         □       ©         □       ©         □       ©         □       ©         □       005         □       ©         □       ©         □       ©         □       ©         □       ©         □       ©         □       □         □       □         □       ○         □       □         □       □         □       □         □       □
Unbinding Channel	- C D07 - C D08 - C D09 - C D10 - C D11 - C D11 - C D12 - C D13 - C D14 - View
	Unbinding Channel

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	Home	Tour Config	Monitor(1)	T	About -	- 🗆 ×
Config Tour List						
Project 1Stay 10 S	Project 2Stay	10 S 🛞 Project 35	Stay 10 S 💌			

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)

VMS	Home	<b>e</b> User Manager	Monitor(1)	1 About	- 🗆 X
User List					
Ä	r				
Name: admin		+ 1			
Passworc •••••	·	l			

Click the button of then could add new operator account, as shown below:

VMS	Home	<b>e</b> User Manager	Monitor(1)	T About	- 🗆 X
User List Name: admin Passworc	Name	e: operator	•		

### 4.5 Edit User

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

Name:	operator	
Password		
Confirm:	√	
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.

T Se	elect All		
N	lo.	Authority	<b>_</b>
	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 to delete this user account.

## 4.6 System Config

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

VMS	Home System Config Monitor(1)	🕇 About –
asic Config		
Log Saved Time	30days 💌	
Language	English	
Picture Path	C;/Program Files (x86)/VMS/data/users/admin/pictures Browse	
Download Path	C:/Program Files (x86)/VMS/data/users/admin/downloads Browse	
🔽 Remember lo	gin password	
□ Auto login		
□ Auto start ap	plication	
🗖 Auto Switchi	ng between Sub Stream and Main Stream	
□ Resume the I	ast preview status	
🗖 Show Start U	p Wizard	
	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.

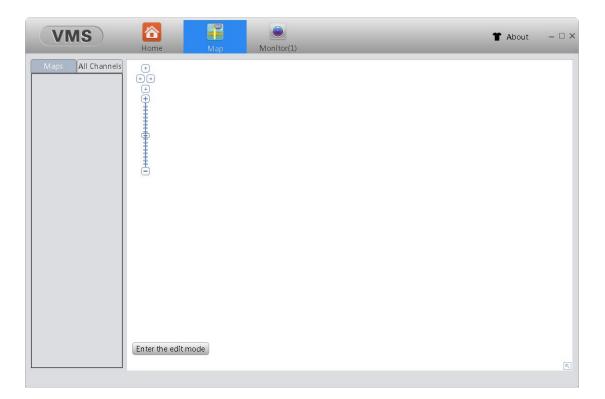
[Auto Switching between Sub Stream and Main Stream] tick it  $\checkmark$  in the check box then by default the live view would auto use main stream when less than 4 windows and the live view would auto use sub stream when more than 9 windows. If you use 6 windows or 8 windows, the maximum windows use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



【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:

Maps	All Channels
	😽 Add Map

Select the map picture and input the name.

🗑 Form	<u>×</u>
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 Backup

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.

VMS Arrow Backup Monitor(1)	T About
Devices database export path: C:/Program Files (x86)/VMS	Browse Export
Devices database import path: C;/Program Files (x86)/VMS	Browse Import