KBiVMS User's Manual

Version 1.12.3

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## Welcome

Thank you for using our KBiVMS

This user's manual is designed to be a reference tool for operation of your system. Here you can find detailed operation information about KBiVMS.

# 1. Overview and Environment

## 1.1 Overview

The software is to manage small quantity security surveillance devices. It releases with the

device and does not support the products from other manufacturers. It has the following features:

- · View real-time video of several camera channels.
- View the playback video files from various cameras.
- · Support multiple scheduled arms to realize auto PC guard.
- Support e-map; you can clearly view and manage all device locations.
- Video wall plan setup and can output video wall video at the same time.
- · Support extension applications, can send out alarm information to external programs.

## 1.2 Performance

- System max supports 36-channel at CIF resolution.
- · Each storage server max supports to save 32-channel video

## **1.3 Environments**

Item	Requirements
OS	Windows 7/ Windows 8/ Mac (KBiVMS Mac version).
CPU	2.4GHz or higher.
Display card	Independent car and support directX 8.0c or higher.
Memory	1GB or higher.
Displayer Resolution	1024×768 or higher.

# 2. Installation and Upgrade

## 2.1 Installation

- Double click "KBiVMS.exe" to begin installation. See Figure
  - 2-1.

Please	select a language.	
	English	•



 Select installation language from the dropdown list and then click OK button to go to Welcome interface. See Figure 2-2.

KBiVMS Professional Video Management System	
Welcome to use KBiVMS Operator Installation	
Wholly new, flexible realtime preview with abundant functions Shining new tool bar, various functions, clear interface Multiple customized window layouts suitable for more surveillance environments Operation with view interfaces and groups	
Playback interface based on user experiences Simple and reasonable search steps, fluent operation Exported record files support clip operation while viewing, natural and fluent operation Combination of various search modes, meets various user experiences	
Local storage, PC-NVR Total storage solutions, enhance product quality Easily to create a record plan, what you see is what you get	
New tour settings, new alarm configuration, newi- Quick and accurately create tour tasks based on the monitor New scheme setting interface, orientation configuration, easy and clear to use the function	Next Cancel

Figure 2-2

 Click next button, you can see an interface is shown as in Figure 2-3. Here you can view End User License Agreement.

KBiVMS Professional Video Management System	
END-USER LICENSE AGREEMENT ("EULA") 1. Preface Please read the following Agreement carefully before installing the Software. This End User License Agreement ("EULA" or "Agreement") is an agreement between you ("You" or "User"), and the Software	4 III
provider, and the provider ("Provider") of approved services. By installing, copying, downloading or otherwise using the Software the User agrees to be bound by the terms of this Agreement. IF YOU DO NOT AGREE TO THE TERMS OF THIS EULA, YOU MAY NOT USE THE SOFTWARE. Please immediately stop installing, copying, or otherwise using the Software, plus delete any parts of the Software that you have installed or stored. 2. Definitions	
Software: In this Agreement "Software" means information processing program or supporting file composed of modules or functional units, with supporting files of all or part of source code, object code and relevant images, photos, icons, video, sound record, video record, music, text, code; plus descriptions, functions, features, contents, quality, tests, user manual, EULA and other hardcopies or electronic version of documents or technical files ("Software Product" or "Software") relevant to the Software of interest or Provider's products. You: In this Agreement "You" means any individual or individual entity, corporate entity including company, enterprise, organization or section that has obtained license to legally use of the Software. Probationary Period: In this Agreement "probationary period" means the period before completion of user registration which	
allows Users to evaluate the Software within its entity.	÷
C Refuse C Accept	
Back Next Can	cel

Figure 2-3

Please check the Accept item and then click Next button to continue. System pops up module installation dialogue box. See Figure 2-4.

•

Professional Video Managoment System Please select the to install. Click [Net		install. Delete the modules you do not want	
I KBIVMS I PC-NVR		Description KBIVMS is intelligent video management software to manage the embedded devices such as DVR, NVR, IPC, Decoder. KBI/MS supports real-time preview, remote playback, export and many intelligent functions such as alarm message receive and activation, remote device parameter setup, TV wall, E-map and ect	
Need Space(unit a	as MB): 328	Back	Next Cancel

Figure 2-4

• Check KBiVMS item and then click Next button, you can see there is an interface asking you to specify installation path. See Figure 2-5.

Click [Install] to continue. Click [Browse] to install in different folders.

C:\Program Files\Smart Professional Surveillance S	System) Browse
	date and replace, please continue. If you want to change the Backup configuration files before removing if you need them.
The free space of C is 36577MB	The free space of E is 135082MB
The free space of D is 71398MB	The free space of F is 126038MB
	Back Install

Figure 2-5

• After you select installation path click Next button, system begins installation. The interface is shown as in Figure 2-6.

	y new, f bundan				
CON 1020	mized window I view interfaces	e for more surv	eillance environ	ments	

Figure 2-6

• During the installation process, you can click Cancel button to exit. After installation, you can see an interface is shown as below. See Figure 2-7.

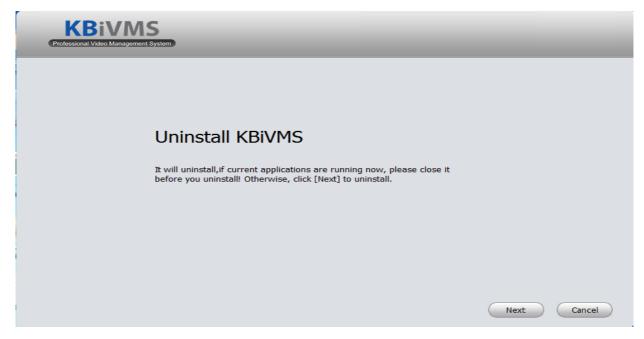


Figure 2-7

· Click Finish button, you can complete the installation.

## 2.2 Un-installation

1) From Start -> All programs->KBiVMS, select Uninstall KBiVMS item. System pops up the following dialogue box. See Figure 2-8.



- 2) Click Next button, you can see an interface shown as in Figure 2-9.
- 3) Check the box here to remove KBiVMS. You can check the box to remove PC-NVR too. Click Uninstall button to remove.

RBiVMS Professional Video Management System		
	Please choose the components that you want to uninstall,Delete the modules you do not want to install.Click [Uninstall] to continue. PC-NVR KBiVMS	
		Uninstall Cancel

Figure 2-9

# 3. Setting



Double click KBiVMS icon KBiVMS an go to the login interface.

## 3.1 Login Interface

Login interface is shown as in Figure 3-1.

- · User name: Input the user account
- · Password: Please input corresponding password to log in.
- OK: Click this button, system can verify the account and then enter the software homepage. (First time login shows device interface.)
- · Cancel: Click this button to exit login interface.

#### Note:

- If it is your first time to run the KBiVMS program, default user name is **admin** and its password is **admin** too. Admin is a super administrator and can not be removed. It can add, modify or delete other user.
- · For security reason, please modify your password after first log in.
- You can memory your password, so that when you can log in the next time, you do not need to input user name and password. Please note this function is for your convenient only. **Do not** enable this function in public PC.

KBiVMS Professional Video Management System	m
User Name:	admin
Password:	
	Remember Password
	Login Exit

Figure 3-1

## 3.2 Homepage

Click Login button, system begins verifying user name and password and then go to the homepage. See Figure 3-2.

1	KBiVMS Perfessional Video Management System	HOME PAGE	DEVICES	+ ADD					±≞?-∂	x
2	BASIC	PLAYBACK	ALARM	LOG	VDEOTALK				<b>09:53:59</b> 2015-12-09 User Name: admin Login Time: 19:53 2015-12-09	→ 5
3	ADVANCED	E-MAP	DISPLAY							
4	SETTINGS	DEVICE CFG	ALARM CFG	Cour & task	PC-IVR	VIDEO WALL	ACCOUNT	GENERAL	QUESTRULIANG	

Figure 3-2

Please refer to the following sheet for detailed information.

SN	Parameter	Function
1	Menu	Here you can view main page icons and current open function icon.
		Click add button to add a function icon on the top pane.
2	Basic	It includes live view, playback, alarm manager, and log.
3	Extension	It includes video wall, e-map, and display.
4	Settings	It includes devices manager, signals manager, alarm setup, tour and task, PC-NVR, video wall management, account, general setup and etc.
5	KBiVMS basic information	It is to display current time, username, login time.

## 3.3 General

If it is your first time to login the KBiVMS, you need to set system parameter. It includes network performance, log save time, login KBiVMS or not, picture and record saved path. Please follow the steps listed below.



button; you can go to the general interface. See Figure 3-3.

## 3.3.1 Basic

It is to set capability, language, time and etc.

Profession	BiVMS	HOME PAGE GENERA	DEVICES ADD	Å ≞ ? - ♬ :
*	Basic			
	File	Set KBiVMS basic pa	rameters such as log saved time,	instant playback time, network capability and etc. System needs to restart to activate language and time setup.
≙	Alarm	Log Saved Time	30Days 🔻	(Activated after restart)
	Version	Instant Playback Time Network Capability	5Min 💌	
		Network Capability	Low  Resume LiveView Status	
			<ul> <li>Auto login device</li> <li>Auto login KBiVMS</li> </ul>	(Activated after restart)
			Auto login Windows	
		User Name Password		
		Language	English	
		Time Format	Sync Time 08:00:00 \$	Sync Now (Activated after restart)
		Short Cut	Real Display Full Screen	(Activated atter restart) F2
		Device User Name:	admin	Default Save
		Device User Password:		QUESTEK LANS Internet access

Figure 3-3

Please refer to the following sheet for detailed information.

Item	Function		
LogSavedHere you can set log save time. System automatically overwriteTimefiles once it reaches the period you set here.			
Instant Playback Time It is to set instant playback time. If you set 5 minutes, then video starting 5 minutes prior to current time.			
Network capability	It is for you to set network function. It includes: "Low", "10M", "100M", "1000M".		
Resume Previous State	System restores previous liveview status after it restarts.		
Auto login device	When program start up, auto login existing device or not. If you select this parameter, then at next login, it auto logs in existing device.		

ltem	Function			
Auto login KBiVMS	Check the box here, you can login KBiVMS directly without inputting user name and password.			
AutologinCheck the box here and then input user name and password, yWindowscan go to the Windows OS after the computer restarts.				
Language	Software language.			
Sync time	Check the box here to enable time synchronization function and then input synchronization time. KBiVMS can auto synchronize time with the PC at the time you specified. Click Sync now button to begin synchronization now.			
Time Format	System time format. It includes 12H/24H.			
Short Cut	Set preview window, record playback, alarm management, e-map and etc.			
Device User Name	Set device login username.			
Device User Password	Set login password.			

### 3.3.2 File Path

File configuration interface is shown as below. See Figure 3-4.

Here you can set snapshot picture and record file default save path.

Configuration file path: It is to import or export configuration file. If you change path to D disk, you can export current software user information to D disk. If current software has installed at the D disk, you can import user information to current software.

	VMS o Management System	HOME PAGE GEN	ERAL DEVICES	+ ADD	_	_	\$ ≞ ? - ₫
ф Ва	asic						
P) Fi	le	Set KBiVMS file	path (such as snapshot, red	cord, user configuration and etc.)			
🔨 Al	arm	Snapshot Path	C:/Program Files (x	86)/KBiVMS/KBiVMS/Capture	Browse	)	
<b>V</b> e	ersion	Record Path		86)/KBiVMS/KBiVMS/Record	Browse	)	
		Config Path	C:/Program Files (x	86)/KBiVMS/KBiVMS	Browse	)	
							Default Save
							QUESTEK_LAN5

Figure 3-4

## 3.3.3 Alarm Prompt

It is to set alarm prompt audio. The interface is shown as below. See Figure 3-5.

Please select corresponding prompt audio for the specified alarm type.

Check the box at the bottom of the interface to enable e-map function. The e-map can flash when the corresponding alarm occurs.

Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam audio and trigger map alam flash function or not.         Image: Set RBX/MS global alam alam alam alam alam alam alam a	KBiVMS Prefessional Video Management System	HOME PAGE GENER	AL DEVICES ADD	± ≞ ? – ₫ ×
Disk Full       Program Files (x86)/KBiV/MS/kBiV/MS/sound/en/disk full.wav       Browse       Image: Compare Files (x86)/KBiV/MS/kBiV/MS/sound/en/disk full.wav         Disk Error       Program Files (x86)/KBiV/MS/KBiV/MS/sound/en/disk full.wav       Browse       Image: Compare Files (x86)/KBiV/MS/kBiV/MS/sound/en/disk full.wav         External       Im Files (x86)/KBiV/MS/KBiV/MS/sound/en/external alarm wav       Browse       Image: Compare Files (x86)/KBiV/MS/sound/en/external alarm wav         V       E-Map flashes when an alarm occurs       Image: Compare Files (x86)/KBiV/MS/KBiV/MS/sound/en/external alarm wav       Browse       Image: Compare Files (x86)/KBiV/MS/sound/en/external alarm wav	File Alarm	Link Video Type Camera Masking	Main Stream  V V Open Audio C Loop Play ram Files (x86)/KBIVMS/KBIVMS/sound/en/video shelter.way Browse	
		Disk Full Disk Error	Program Files (x86)/KBiVMS/KBiVMS/sound/en/disk full.wav Program Files (x86)/KBiVMS/KBiVMS/sound/en/disk fault.wav Program Files (x86)/KBiVMS/Sound/en/disk fault.wav Program Files (x86)/KBiVMS/KBiVMS/Sound/en/disk fault.wav Program Files (x86)/KBiVMS/Sound/en/disk fault.wav	
			☑ E-Map flashes when an alarm occurs	Default Save

Figure 3-5

### Tips

You can click Default button to restore factory default setup.

User config file storage path is used to import and export user config file. If current user config file storage path is modified to other path, then it means all users' config info are exported. If user re-install, he can export previous all user's config info to current client.

If he re-install the software and import previously exported user config info, after being saved, original user config info will be successfully imported into current client.

## 3.3.4 Version

Click the version button; you can go to the following interface. Here you can view software version information.

## 3.4 Account

Here you can add, modify or delete a user.

### 3.4.1 Add role

1) Click in the Settings pane, and then click role button, you can go to the following interface. See Figure 3-6.

	iVMS		<b>1</b>		+		오프 ? - 61
Professional V User	rideo Management System	HOME PAGE	ACCOUNT GENER	AL DEVICES	ADD		
Add	Delete						
All	Role		Members		Ор	peration	
1	admin		1				
							QUESTEK_LANS Internet access

Figure 3-6

2) Click Add button, the interface is shown as in Figure 3-7.

_	Add Role	×
Role Name		
Remarks		
Role Rights	<ul> <li>Channel Rights</li> <li>Liveview</li> <li>Playback</li> <li>Export</li> <li>Ptz</li> <li>Menu Rights</li> <li>Liveview</li> <li>Playback</li> <li>Alarm</li> <li>Log</li> <li>Video Wall</li> <li>E-Map</li> </ul>	
	Sav	re Cancel

Figure 3-7

- 3) Please input a role name and check the corresponding role rights. You can input some reference information if necessary.
- 4) Click Save button.

### Tips

Select a role and then click Modify/Delete button to modify or delete a role.

## 3.4.2 Add user

1) Click in the Settings pane, and then click user button, you can go to the following interface. See Figure 3-8.

1 admin admin / / / / / / / / / / / / / / / / / / /	<b>KB</b> iVMS		💰 🔒 🔸		± ≞ ? = c
Add       Delete         All       Name       Role       Remarks       Operation         1       admin       admin       *		HOME PAGE ACCOUNT	GENERAL DEVICES ADD		
All Name Role Remarks Operation					
		Role	Remarks	Operation	
	1 admin	admin		1	
					QUESTEK_LANS Internet access

Figure 3-8

2) Click Add button, you can see system pops up the following interface. See Figure 3-9.

		Add User		×
User Name		Role	admin 💌 Add Role	
Password		Confirm Password		
Remarks		_		
User Rights	<ul> <li>Channel Rights</li> <li>Liveview</li> <li>Playback</li> <li>Export</li> <li>Ptz</li> <li>Menu Rights</li> <li>Liveview</li> <li>Playback</li> <li>Alarm</li> <li>Log</li> <li>Video Wall</li> <li>E-Map</li> </ul>	Channel Rights	Save Cancel	

Figure 3-9

- 3) Select a role from the dropdown list, input user name, password and confirm password. Input some description information if necessary. Select rights for the new user.
- 4) Click Save button to add a new user.

Please refer to the following sheet for detailed information.

Item	Function
User name	Please input user name here.
Role	You can select user role from the dropdown list. Or you can click Add role button to add a new role.
Password	Please set user password.
Confirm password	Please input new password again.
User Rights	Here you can check the box to select corresponding rights for current user. If the new user is a manager, system checks all rights by default.

5) Click Save button to add a new user.

#### Tips

Select a user name and then click Modify/Delete button to modify or delete a user.

## 3.5 Device Manager

Here you can add, modify and delete a device. You can also implement device channel group function.

#### Auto Add



- 1) Click **(**I) icon. System displays device manager interface.
- 2) Click Refresh, search device within the LAN. You also can enter device segment, and click search to search devices within the same segment.
- 3) Check device, click Add as auto add device. You also can double click the device you want to add. The added device will be shown in list below, where you can view device type, channel and status. You can modify, logout and delete the device.

#### Manually Add

You can refer to the steps listed below to add, modify or delete a device manually or automatically.



1) Click icon in the settings pane, system goes to the device manager interface; you can see an interface is shown as in Figure 3-10.

Ali       IP       Type       Mac       Port         Refresh       Add         II Devices 3       Online 2         Ali       Name       Type       Port         II Devices 3       Online 2         II Devices 3       Online 2         II Devices 3       NVR       In 15.6.33       Strate       SN       Operation         I Devices 3       NVR       In 15.6.33       Strate       SN       Operation         I Devices 3       NVR       In 15.6.33       Strate       SN       Operation	IP         Type         Mac         Port           Add		ional Video Management System	HOME PAGE	DEVICES	+ ADD	_	_	_		<b>₽</b> ? - □
Refresh         Add           Il Devices:3         Online:2           All         Name           I 10:15.6.33         NVR           10:15.6.33         NVR           10:15.6.33         SmartIPC	Add         s3       Online:2         Name       Type       IP/Domain Name       Port       Channel No.       State       SN       Operation         10.15.6.33       NVR       10.15.6.33       37777       24/1/16/6       Online       YPA4BQ030W00043       I Image: State         10.15.6.83       SmartIPC       10.15.6.83       40008       1/1/1       Online       PFC4FZ012W00021       IImage: State	nline D	evices:0				Device Network	Section: 10 . 15 . 6	5 0 — 10 15 .	6 25	55 Search
Il Devices:3         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ030W00043         Image: State St	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         VPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	All	IP	🛦 Туре		Mac		Port			
I Devices:3         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ030W00043         Image: State Sta	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         VPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Il Devices:3         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ030W00043         Image: State St	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         VPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Devices:         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         1015.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ030W000043         Image: State	Online:2         Name       Type       IP/Domain Name       Port       Channel No.       State       SN       Operation         10.15.6.33       NVR       10.15.6.33       37777       24/1/16/6       Online       VPA4BQ030W00043       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Devices:         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         1015.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ0300V00043         Image: Comparison of the comparison o	Online:2         Name       Type       IP/Domain Name       Port       Channel No.       State       SN       Operation         10.15.6.33       NVR       10.15.6.33       37777       24/1/16/6       Online       VPA4BQ030W00043       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Devices:         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         1015.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ0300V00043         Image: Comparison of the comparison o	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         VPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Devices:         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ0300W00043         Image: Comparison of the comparison	Name       Type       IP/Domain Name       Port       Channel No.       State       SN       Operation         10.15.6.33       NVR       10.15.6.33       3777       24/1/16/6       Online       YPA4BQ030W000043       IS X         10.15.6.33       SmartIPC       10.15.6.83       40008       1/1/1       Online       YPA4BQ030W000043       IS X										
Devices:         Online:2           All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ0300W00043         Image: Comparison of the comparison	Name       Type       IP/Domain Name       Port       Channel No.       State       SN       Operation         10.15.6.33       NVR       10.15.6.33       3777       24/1/16/6       Online       YPA4BQ030W00043       IS X         10.15.6.33       SmartIPC       10.15.6.83       40008       1/1/1       Online       PFC4FZ012W00021       IS X										
All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         YPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           I 0.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Image: Contract of the state										
All         Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           1         10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         YPA4BQ030W00043         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Name         Type         IP/Domain Name         Port         Channel No.         State         SN         Operation           I 0.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Image: Contract on the state	Refres	ih Add								
1         10.15.6.33         NVR         10.15.6.33         37777         24/1/16/6         Online         YPA4BQ030W00043         Image: Comparison of the state of the s	I 0.15.6.33         NVR         10.15.6.33         3777         24/1/16/6         Online         YPA4BQ030W00043         I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Refres	h Add								
2 🕞 10.15.6.83 SmartIPC 10.15.6.83 40008 1/1/1/1 🛑 Online PFC4FZ012VV00021 🖊 💽 🗙	□ 10.15.6.83 SmartIPC 10.15.6.83 40008 1/1/1/1 ■ Online PFC4FZ012W00021 ✓ 💽 🗙										
		l Devic	es:3 Online:2	1	IP/Domain Name	Port	Channel No.	State	SN	Opera	tion
	□ 10.15.6.84 DVR 10.15.6.84 40002 0/0/0/0 ■ Offline(Locked)	Devic	es:3 Online:2	Туре							
🛛 3 📮 10.15.6.84 DVR 10.15.6.84 40002 0/0/0/0 📕 Offline(Locked) 🖊 💽 🗶		l Devic All	es:3 Online:2 Name	Type NVR	10.15.6.33	37777	24/1/16/6	Online	YPA4BQ030W00043	/ 0	×
		l Devic All	es:3 Online:2 Name 10.15.6.33 10.15.6.83	Type NVR SmartIPC	10.15.6.33 10.15.6.83	37777 40008	24/1/16/6	Online Online	YPA4BQ030W00043	/ 0	x x
		l Devic All 1	es:3 Online:2 Name 10.15.6.33 10.15.6.83	Type NVR SmartIPC	10.15.6.33 10.15.6.83	37777 40008	24/1/16/6	Online Online	YPA4BQ030W00043	/ 0	x x
		Devic All 1	es:3 Online:2 Name 10.15.6.33 10.15.6.83	Type NVR SmartIPC	10.15.6.33 10.15.6.83	37777 40008	24/1/16/6	Online Online	YPA4BQ030W00043	/ 0	x x
		Devic All 1	es:3 Online:2 Name 10.15.6.33 10.15.6.83	Type NVR SmartIPC	10.15.6.33 10.15.6.83	37777 40008	24/1/16/6	Online Online	YPA4BQ030W00043	/ 0	x x
		l Devic All 1	es:3 Online:2 Name 10.15.6.33 10.15.6.83	Type NVR SmartIPC	10.15.6.33 10.15.6.83	37777 40008	24/1/16/6	Online Online	YPA4BQ030W00043	/ 0	x x

Figure 3-10

2) Click Manual Add button, the interface is shown as in Figure 3-11. Please input the corresponding information and then click Add button.

	Manual Add	×
Input Info		
Device Name:		
Register Mode:	IP/Domain	
IP/Domain Name:		
Port:	37777	
Group Name:	Default Group	
User Name:		
Password:		
	Get Info	
Device Details		
Device SN:		
Туре:		
Video Input:		
Video Output:		
Alarm Input:		
Alarm Output:		
	(Save and Continue) Add Cance	

Figure 3-11

Please refer to the following sheet for detailed information.

ltem	Function
Device name	Please input a device name here.
Register Mode	By IP/domain and SN.
IP/Domain name	Device IP address or domain name.
SN	Device SN. Note: For P2P device only.
Port	Device IP port. It is 37777 by default.
Group Name	You can choose one group.
User name	The user name you login the device.
Password	The password you login the device.

 Config device input info, and click on Get Info. System auto gets device info as in Figure 3-12.

Device Details	
Device SN:	
Туре:	
Video Input:	
Video Output:	
Alarm Input:	
Alarm Output:	
	Save and Continue Add Cancel

Figure 3-12

Device SN	Device SN. Read-only.
Туре	Device type.
Video input	Device video input channel amount. Click , set device no., click no. column, and may enter no.
Video output	Device video output channel amount.
Alarm input	Device alarm input channel amount.
Alarm output	Device alarm output channel amount.
Туре	Device type.

4) Click Add. You can click Save and Continue to add next device. Added devices are shown as in Figure 3-13.

line D	evices:				Device Network	Section: 10 . 18 . 116	. 0 - 10 . 18 .	.116 .255	earcl
]All	IP	🔺 Type		Mac		Port			
Refres	bb Add								
Devic		Туре	IP/Domain Name	Port	Channel No.	State	SN	Operation	
Devic All	es:30 Online:0	1	IP/Domain Name 10.1.1.66	Port 37777	Channel No.	State Offline(Can not fi	SN	Operation	
Devic All 1	es:30 Online:0	🛦 Туре							
Devic All ] 1 ] 2	es:30 Online:0	Type IPC	10.1.1.66	37777	0/0/0/0	Offline(Can not fi	YZC4CZ051W00013	/ Œ ×	
Devic All ] 1 ] 2 ] 3	es:30 Online:0 Name 10.1.1.66 10.15.1.66	Type IPC IPC	10.11.66	37777	0/0/0/0	Offline(Can not fi Offline(Can not fi	YZC4C2051W00013 YZC4E2008W0001	/ Œ ×	
Devic  A    1  2  3  4	es:30 Online:0	Type IPC IPC SmartIPC	10.11.66 10.15.1.66 10.15.100.25	37777 37777 37777	0/0/0/0 1/0/0/0 1/0/2/1	<ul> <li>Offline(Can not fi</li> <li>Offline(Can not fi</li> <li>Offline(Can not fi</li> </ul>	YZC4C2051W00013 YZC4E2008W0001 PA2KQ00100075	/ E × / E × / E × / E ×	
Devic  All   1   2   3   4   5	es:30 Online:0 Name 10.1.1.66 10.15.1.66 10.15.100.25 10.15.22.100	Type       IPC       IPC       SmartIPC       NVR6000	10.1.1.66 10.15.1.66 10.15.100.25 10.15.22.100	37777 37777 37777 37777	0/0/0/0 1/0/0/0 1/0/2/1 128/2/16/8	<ul> <li>Offline(Can not fi</li> <li>Offline(Can not fi</li> <li>Offline(Can not fi</li> <li>Offline(Can not fi</li> </ul>	YZC4C2051W00013 YZC4E2008W0001 PA2KQ00100075	/ E × / E × / E × / E ×	
Refres Devic All 1 2 3 4 4 5 6 7 7	es:30 Online:0 Name 10.1.1.66 10.15.1.66 10.15.1.00.25 10.15.22.100 10.15.23.32		10.11.66 10.15.1.66 10.15.100.25 10.15.22.100 10.15.23.32	37777 37777 37777 37777 37777 37777	<ul> <li>0/0/0/0</li> <li>1/0/0/0</li> <li>1/0/2/1</li> <li>128/2/16/8</li> <li>1/0/0/0</li> </ul>	<ul> <li>Offline(Can not fi</li> </ul>	YZC4C2051W00013 YZC4E2008W0001 PA2KQ00100075	/ E × / E × / E × / E ×	

Figure 3-13

Click Status, to view operation status, disk status, external alarm, motion detect and etc. of each device.

### Tips

Select a device in the list, and then:

- click to modify, or click it to delete it.
- Click G to login the device manually.
- Click G to logout the device manually.
  - Click button and then select save path to save current device list to .xml file.
- 5) Click Import to batch import local config in .xml format. Or you can import with Easy 4IP account. See Figure 3-14.

Devi	ice Import :
From local disk	From www.easy4ip.com
File path:	Browse



If PC running KBiVMS is connected to NKB network keyboard, then in Figure 3-12 there will be an will icon.

1. Click , system pops up device no. setup box, see Figure 3-15.

No.	Channel Name	Number
18	adfadfadsfasdfadsf3443rfadfadfa	2018
19	CAM 19	2019
20	CAM 20	2020
21	CAM 21	2021
22	CAM 22	2022
23	CAM 23	2023
24	CAM 24	2024
25	CAM 25	2025
26	CAM 26	2026
27	CAM 27	2027
28	CAM 28	2028
29	CAM 29	2029
30	CAM 30	2030
31	CAM 31	2031
32	IP PTZ Dome	2032

Figure 3-15

. Click list, you may edit/input no., see Figure 3-16.

序号	通道名称	编号	1
1	通道一	2001	
2	CHA2-iHCVR-145-channel1?????	2002	
3	通道二	3333	

Figure 3-16

NKB keyboard can encode channel and control channel, as it can directly open channel video by encoding. For more information, please refer to NKB user's manual.

## 3.6 Device CFG

After you added a new device, you can go to the signals manager interface to set parameters.



On the homepage, click button in the Settings pane, you can go to the following interface. See Figure 3-17.



Figure 3-17

**3.6.1 General** 3.6.1.1 Network

Here is for you to set network information such as TCP/IP, connection, PPPoE, DDNS, IP filter, SMTP, Multicast, and alarm centre.

#### 3.6.1.1.1 TCP/IP

Here you can set corresponding parameter when you are using TCP/IP connection. See Figure 3-18.

		Network - 10.15.6.33		×
тср/ір				
Connect	Mode			
PPPoE	MAC Address	90:02:A9:24:65:59		
DDNS	IP Address	10.15.6.33		
IP Filter	Subnet Mask	255.255.0.0		
SMTP	Default Gateway Preferred DNS	8.8.8		
Multicast	Alternate DNS	8.3.4.4		
Alarm Centre				
			Apply Save Cancel	

Figure 3-18

#### 3.6.1.1.2 Connect

Here you can set max login account amount, TCP port, UDP port, HTTP port, RTSP port and etc. See Figure 3-19.

		Network - 10	15.6.33	x
тср/ір	Max Connect	128	(1-20)	
Connect	TCP Port	37777	(1025-65535)	
PPPoE	HTTP Port	80	(1-65535)	
DDNS				
IP Filter				
SMTP				
Multicast				
Alarm Centre				
			Apply	Save Cancel

Figure 3-19

### 3.6.1.1.3 PPPoE

PPPoE interface is shown as below. See Figure 3-20.

Input "PPPoE name" and "PPPoE password" you get from your ISP (Internet service provider). Click OK button, you need to restart to activate your configuration.

After rebooting, device will connect to internet automatically. The IP in the PPPoE is the device dynamic value. You can access this IP to visit the device.

		Network - 10.15.6.33		×
тср/ір	🔿 Enable			
Connect	User			
PPPoE	Password			
DDNS	IP Address	0.0.0.0		
IP Filter	DDNS	0.0.0.0		
SMTP				
Multicast				
Alarm Centre				
			Apply Save	Cancel
				Cancel

Figure 3-20

#### 3.6.1.1.4 DDNS

DDNS setup interface is shown as in Figure 3-21.

You need a PC of fixed IP in the internet and there is the DDNS software running in this PC. In other words, this PC is a DNS (domain name server).

In network DDNS, please select DDNS type and highlight enable item. Then please input your PPPoE name you get from you IPS and server IP (PC with DDNS). Click OK button and then reboot system.

Click Ok button, system prompts for rebooting to get all setup activated.

After rebooting, open IE and input as below:

http://(DDNS server IP)/(virtual directory name)/webtest.htm

Server Type Server IP Port Domain Name User Name Password	Private DDNS	<ul> <li>Enable</li> <li>(1~65535)</li> </ul>		
Port Domain Name User Name	7070	(1*65535)		
Domain Name User Name	7070	(1~65535)		
User Name				
Password				
		-		
Update Interval	5	Minutes (5~1092)		
			App	Apply Save

Figure 3-21

Please refer to the following sheet for detailed information.

Parameter	Function
Server Type	You can select DDNS protocol from the dropdown list and then enable DDNS function.
Server IP	DDNS server IP address.
Port	DDNS server port.
Domain Name	Your self-defined domain name.
User Name	The user name you input to log in the server.
Password	The password you input to log in the server.
Update interval	Device sends out alive signal to the server regularly.
	You can set interval value between the device and DDNS server here.

#### 3.6.1.1.5 IP Filter

IP filter interface is shown as in Figure 3-22. You can add IP in the following list.

After you enabled whitelist function, only the IP listed below can access current device.

If you enable blacklist function, the following listed IP addresses can not access current device.

		Network - 10.1	15.6.33	×
TCP/IP	🕑 Enable			
Connect	Whitelist	😡 Blacklist		
PPPoE	Add	Blacklist		
DDNS	Index	IP Address	Operation	
IP Filter				
SMTP				
Multicast				
Alarm Centre				
			Apply Sav	re Cancel

Figure 3-22

### 3.6.1.1.6 SMTP (Email)

The SMTP interface is shown as in Figure 3-23. Here you can set email receiver, encryption mode, send out interval and etc.

_		Network - 10.15.6.33		×
TCP/IP	🕑 Enable			
Connect	SMTP Server	219.142.78.230		
PPPoE	Port Anonymity	25 (1	L-65535)	
DDNS	User Name	lxjdahd		
IP Filter	Password			
SMTP	Sender Encrypt Mode	Ixjdahd@sina.com	Attachment	
Multicast	Subject	HCVR ALERT		
Alarm Centre	Receiver	1033889159@qq.com	€⊝	
	interval Time Health Email		econds(0-3600)	
	Interval	60 V	linutes(30-1440) Test	
			Apply Save (	Cancel

Figure 3-23

Please refer to the following sheet for detailed information.

Parameter	Function		
Enable	Please check the box here to enable email function.		
SMTP Server	Input server address and then enable this function.		
Port	Default value is 25. You can modify it if necessary.		
Anonymity	For the server supports the anonymity function. You can auto login anonymously. You do not need to input the user name password and the sender information.		
User Name	The user name of the sender email account.		
Password	The password of sender email account.		
Sender	Sender email address.		
Encrypt mode	System supports SSL/NONE/TLS.		
Subject	Input email subject here.		
Attachment	System can send out the email of the snapshot picture once you check the box here.		
Receiver	Input receiver email address here. Max three addresses.		
Interval	The send interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or the abnormity event activates the email, system sends out the email according to the interval you specified here. This function is very useful when there are too many emails activated by the abnormity events, which may result in heavy load for the email server.		
Health mail	Please check the box here to enable this function.		
Health mail interval	This function allows the system to send out the test email to check the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. System can send out the email regularly as you set here.		
Test	The system will automatically sent out an email once to test the connection is OK or not .Before the email test, please save the email setup information.		

#### 3.6.1.1.7 Multicast

The multicast interface is shown as in Figure 3-24.

Multicast is a transmission mode of data packet. When there is multiple-host to receive the same data packet, multiple-cast is the best option to reduce the broad width and the CPU load. The source host can just send out one data to transit. This function also depends on the relationship of the group member and group of the outer.

		Network - 10.15.6.33			×
тср/ір	Main				
Connect	O Enable Multicast Address	239.255.42.42	(224.0.0.0~239.255.255.255)		
PPPoE	Port	36666	(1025~65000)		
DDNS					
IP Filter					
SMTP					
Multicast					
Alarm Centre					
			Apply	Save	Cancel

Figure 3-24

### 3.6.1.1.8 Alarm Server

The alarm centre interface is shown as below. See Figure 3-25.

This interface is reserved for you to develop. System can upload alarm signal to the alarm centre when local alarm occurs.

Before you use alarm centre, please set server IP, port and etc. When an alarm occurs, system can send out data as the protocol defined, so the client-end can get the data.

_		Network - 10.15.6.33		×
тср/ір	🔿 Enable			
Connect	Protocol Type	Alarm Centre		
PPPoE	Host IP	10.1.0.2		
DDNS	Port Schedule Login	1 Every Day	At 08:00 💌	
IP Filter				
SMTP				
Multicast				
Alarm Centre				
			Apply (	Save Cancel

Figure 3-25

## 3.6.1.2 Remote

Here you can add remote device manually or automatically. See Figure 3-26.

	-	_	Remote Device - 1	10.15.100.244	_	
	P	Port	Device Name	Protocol Type	Device Type	
1 1	0.15.100.25	37777	10.15.100.25	Private	IP Camera	
2 1	0.15.7.123	40000	10.15.7.123	Private	DVR2116	
3 1	0.15.7.109	37777	10.15.7.109	Private	EV\$5000	
4 1	0.15.22.100	37777	10.15.22.100	Private	NVR6000	
5 1	0.15.5.3	37777	10.15.5.3	Private	PC-NVR	
6 0	.0.0.0	37777	0.0.0.0	Private	PC-NVR	
7 1	0.15.6.142	37777	10.15.6.142	Private	PC-NVR	
8 1	0.15.6.188	37777	10.15.6.188	Private	PC-NVR	
Search	Add				Type All	Types
Search	Add				Type All	Types
	Add	Port	Device Name	Remote Channel	Type All	Types Device Type
			Device Name 10.15.100.25	Remote Channel	1	
Device Channel	IP				Protocol Type	Device Type

Figure 3-26

Click Search device button, system can list all the devices on the same IP section. Select a device and then click Add button; you can add a remote device.

Click Manual add button, System pops up the following dialogue box. See Figure 3-27. Please input the corresponding information and then click OK button to add a remote device.

	Manual Add	×
Name		
IP Address		
Protocol Type	Private	•
Port	37777	
User Name		
Password		
Remote Channel	1	
Local Channel	1	•
	ОК	Cancel

Figure 3-27

### 3.6.1.3 Encode

## 3.6.1.3.1 Audio/Video

The interface is shown as below. See Figure 3-28. Here you can set audio/video bit stream.

udio/Video	Main Stream		Extra Stream	
napshot	Stream Type	General	🔘 Video Setup	•
	Encode Type		Encode Type	
overlay	Resolution		Resolution	
	FPS		FPS	
	StreamCtrl		StreamCtrl	
	Bit Stream	V	Bit Stream	
	Iframes	(1-150)	Iframes	(1-150)
	🔿 Audio Setup	🔿 Audio1 🔿 Audio2	🔿 Audio Setup	🔿 Audio1 🕥 Audio2
	Encode Mode	<b>X</b>	Encode Mode	<b>V</b>
	🔿 Watermark			
	Characters			

### Figure 3-28

Please refer to the following sheet for detailed information.

Parameter	Function
Video setup	Check the box here to enable extra stream video. This item is enabled by default.
Stream type	It includes main stream, motion stream and alarm stream. You can select different encode frame rates form different recorded events.
Encode mode	It is to set audio/video encode mode. Default setup is H.264.
Resolution	System supports various resolutions, you can select from the dropdown list.
FPS	PAL : 1 ~ 25f/s ; NTSC : 1 ~ 30f/s.
Bit stream	In VBR mode, it is the max value of the bit stream. In the CBR mode, it is a fixed value.
Ref Stream	According to selected encode mode, resolution, display bit stream. (range)
Iframes	Interval between key frames.

Audio encode mode	Check the box here to enable audio function and select encode type from the dropdown list.
Watermark /watermark character	This function allows you to verify the video is tampered or not. Here you can select watermark bit stream, watermark mode and watermark character.
Сору	Click it to copy current setup to other channel(s).

## 3.6.1.3.2 Snapshot

The snapshot interface is shown as below. See Figure 3-29.

		Encode - 10.15.6.33(0	CAM 24)	×
Audio∕Video	Snap Mode	Regular	v	
Snapshot	Size		Enable	
Overlay	Quality	Worst		
	Snap Interval		(S/Sheet)	
Copy None 😽			(Apply) (Sa	ve (Cancel)

Figure 3-29

#### Please refer to the following sheet for detailed information.

Parameter	Function
Snapshot type	<ul> <li>There are three modes.</li> <li>Regular: It enables snapshot function as you set on the snapshot plan.</li> <li>Trigger: It enables snapshot function when motion detect occurs.</li> <li>ALM: It enables snapshot function when an alarm occurs.</li> </ul>
Image size	It is the same with the resolution of the main stream.
Quality	It is to set the image quality.
Interval	It is to set snapshot frequency.
Сору	Click it; you can copy current channel setup to other channel(s).

#### 3.6.1.3.3 Overlay

	End	code - 10.15.6.33(CAM 24)	_	
Audio/Video	Channel Name	_		
Snapshot		2014-12-11 08:42:15	Region Overlay	<b>× +</b>
Overlay			Network Mo	nitor
			🔘 Channel Dis	play
			Time Display	/
			Y/M/D	v
			12-H	V
	CAM 24			
opy None		( Appl	y ) (Save	Cance

Here is for you to overlay information on the video. See Figure 3-30.

## Figure 3-30

Please refer to the following sheet for detailed information.

Parameter	Function
Channel Name	Set channel name.
Region overlay	There are two types: Local liveview/network monitor. Local liveview: It is to shield the corresponding video under local liveview mode. Network monitor: It is to shield the corresponding video under network monitor mode.
Channel display	You can enable this function so that system overlays channel information in video window. Please input channel name here. You can use the mouse to drag the channel title position.
Time display	You can enable this function so that system overlays time information in video window. You can use the mouse to drag the time title position. You can view time title on the live video of the WEB or the playback video.
Date format	Select date format from the dropdown list if you want to overlay date information.

Time format	Select date format from the dropdown list if you want to overlay time information.
Сору	Click it; you can copy current channel setup to other channel(s).

## 3.6.1.4 Image

Here you can set camera property. See Figure 3-31.

	Image - 10.15.6.33(2)	_			×
	2014-08-04 09:30:40				
	Co	olor Mode	Standard	Gentle	Flamboyant
		Hue	0	•	46
	100 million 100	Brightness	0	0	48
		Contrast	0	0	45
		Saturation	••	)	31
IPC					
Copy None		Ap		Save	Cancel

Figure 3-31

Please refer to the following sheet for detailed information.

Parameter	Function
Color mode	It is to set color mode.
Hue It is to set color hue.	
Brightness	It is to adjust color whole brightness. The large the value is, the bright the video is and vice versa.
	When you set, the dark pane and the bright pane of the video can be increased or decreased accordingly at the same time.
Contrast	It is to set video contrast. The large the value is, the big the contrast is, vice, versa.
Saturation	It is to set color saturation. The larger the value is, the strong the color is and vice versa.

## 3.6.1.5 PTZ Control

It is for you to set PTZ parameters. See Figure 3-32.

PTZType		▼	
Protocol		<b>v</b>	
Address	0	÷.	
Baud Rate	1200	-	
Data Bit	5	•	
Stop Bit	1 bit	•	
Parity	None	<b>v</b>	

Figure 3-32

Please refer to the following sheet for detailed information.

Parameter	Function
Protocol	Select the corresponding dome protocol such as PELCOD.
Address	Set corresponding dome address. Default value is 1. <b>Please note</b> your setup here shall comply with your dome address; otherwise you can not control the speed dome.
Baud Rate	Select the dome baud rate. Please set according to the speed dome dial switch setup.
Data Bit	Please set according to the speed dome dial switch setup.
Stop bit	Please set according to the speed dome dial switch setup.
Parity	Please set according to the speed dome dial switch setup.

## 3.6.2 Event

3.6.2.1 Video Detect

The video detect includes three types:

- Motion detect: Through analyze video, system can enable motion detect alarm when it detects any moving signal that reaches the sensitivity threshold you set here.
- Video loss: This function allows you to be informed when video loss phenomenon occurred. You can enable alarm output channel and then enable show message function.
- Camera masking: When someone viciously masks the lens, or the output video is in onecolor due to the environments light change, the system can alert you to guarantee video continuity.

	Video Detect - 10.15.7.123(CAM 11)	×
Video Loss	☑ Enable	
Camera Masking	Arm/Disarm Period Set	
Motion Detect	Sensitivity 3	
	Anti-dither 5 🔷 s(0~600)	
	Zone Set	
	Delay Time 10 😓 \$(10~300) 🔲 Upload To Cloud	
	Alarm Output	
	Delay Time 10 🗘 Min(1~300)	
	TZ Link Set	
	□ Tour	
	Snapshot 1 2 3 4 5 6 7 8 9 10 11 12 ►	
	Upload To Cloud	
	Show Msg Send Email 🛛 Alarm Upload 📄 Buzzer 📄 SMS	
Copy None	Apply Save Ca	ancel

#### Here we use motion detect interface as an example. See Figure 3-33.

## Figure 3-33

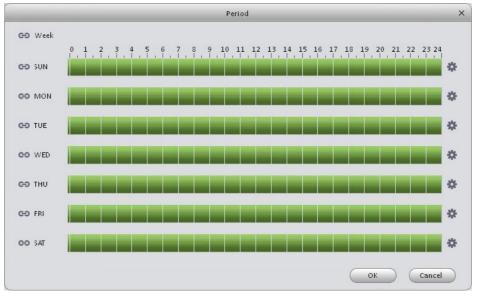
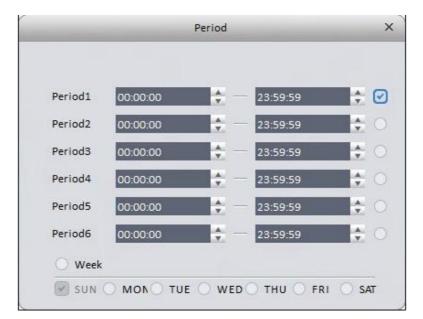


Figure 3-34





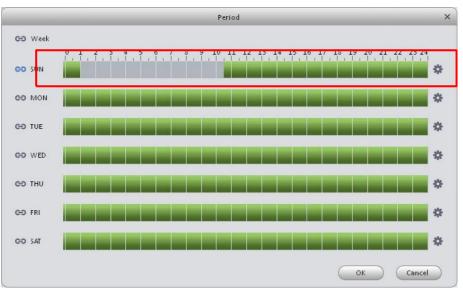


Figure 3-36

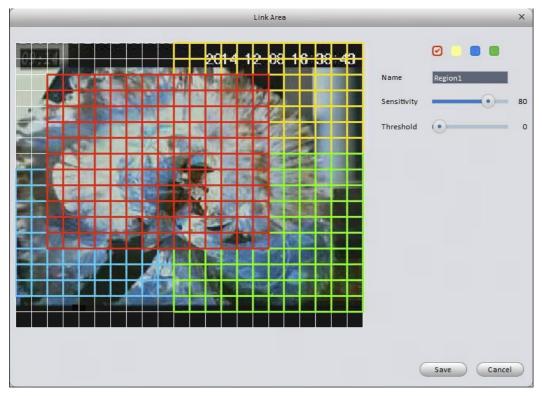


Figure 3-37

	PTZ Control	_	×
Channel 1	Preset 💌	1	
	0	OK Cano	el

Figure 3-38

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	You need to check the box to enable motion detection function.

Parameter	Function
Arm/disarm Period	Motion detection function becomes activated in the specified periods. See Figure 3-34.
	There are six periods in one day. You can click to set (Figure 3-35) or use mouse to draw the corresponding period on the time bar directly (Figure 3-36).
	Click OK button, system goes back to motion detection interface, please click OK button to exit.
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 5s to 100s.
Zone	You can click this button to set motion detection zone. The interface is shown as in Figure 3-37. Do remember clicking OK button to save your motion detection zone setup.
Record channel	If you select this parameter, then you perform motion detection alarm recording to this channel.
	Please note you need to select auto record in Record-> record control
Record Delay	System can delay the record for specified time after alarm ended.
Upload To Cloud	Check if to upload to Cloud.
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Delay time	System can delay the alarm output for specified time after an alarm ended.
Show msg	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function. System begins 1-wiindow or multiple-window tour display among the channel(s) you set to record when an alarm occurs.
PTZ Activation	Here you can set PTZ movement when alarm occurs. See Figure 3-38.

# 3.6.2.2 Alarm

Before operation, please make sure you have properly connected alarm devices such as buzzer. The input mode includes local alarm and network alarm.

The local alarm interface is shown as in Figure 3-39.

	Alarm Setting - 10.15.100.244	×
📃 Alarm Input Enable	1 Alarm Alias	
Arm/Disarm Period	Set	
Anti-dither	0 Second(0~600)	
Device Type	NC	
📃 Record Channel	1 2 3 4 5 6 7 8 9 10 11 12 >	
Record Delay	10 Second(10*300)	
📗 Upload To Cloud	d	
📃 Alarm Output	1 2 3	
Output Delay	10 Second(1~300)	
🔲 PTZ Link	Set	
Tour	1 2 3 4 5 6 7 8 9 10 11 12	
🔲 Snapshot	1 2 3 4 5 6 7 8 9 10 11 12 >	
📗 Upload To Cloud	d	
📃 Show Msg	📄 Send Email 📄 Alarm Upload 📄 Buzzer 📄 SMS	
Copy current configuration to	None Save C	Cancel

# Figure 3-39

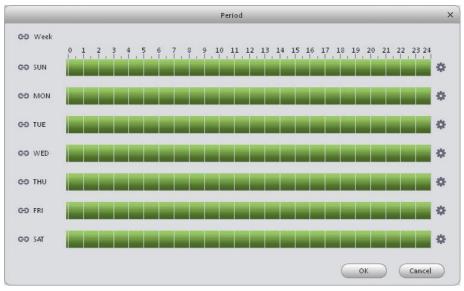
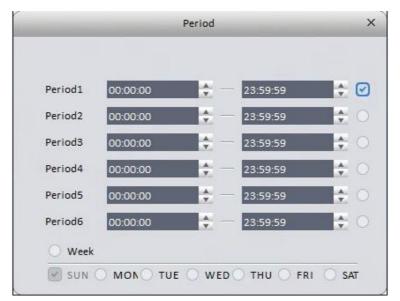


Figure 3-40





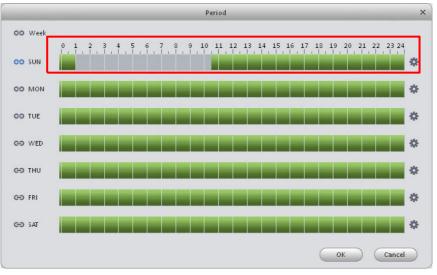


Figure 3-42



Figure 3-43

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	You need to check the box to enable this function. Please select a channel from the dropdown list.
Arm/disarm Period	This function becomes activated in the specified periods. There are six periods in one day. See Figure 3-40. There are six periods in one day. You can click to set (Figure 3-41) or use mouse to draw the corresponding period on the time bar directly (Figure 3-42). Click OK button, system goes back to alarm interface, please click OK button to exit.
Anti-dither	System only memorizes one event during the anti-dither period.
Device (Sensor) type	There are two options: NO/NC.
Record Delay	System can delay the record for specified time after alarm ended.
Output delay	System can delay the alarm output for specified time after an alarm ended.
Record channel	If you select this parameter, then you perform local alarm recording to this channel.
	Please note you need to select auto record in Record-> record control
Record Delay	Means when alarm link ends, record delay for a certain period of time before stop.
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.

Parameter	Function
Show msg	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function.
Snapshot	If you select this parameter, then the channel is config with alarm snapshot function.

# 3.6.2.3 Abnormality

It includes six statuses: No device, no space, device error, net offline, IP conflict and MAC conflict. See Figure 3-44 through Figure 3-49.

		Abnormality - 10	.15.6.86	_		×
No storage device	🕑 Enable					
No Space	🔿 Alarm output					
Storage device error	Output Delay	10	Second(1*300)			
Offline	O Show Msg	🚫 Send Email	🔵 Alarm Upload	🔘 Buzzer	O SMS	
IP Conflict						
Mac Conflict						
				Apply	Save C	ancel

Figure 3-44

		Abnormality - 10	.15.6.86			
No storage device	🕑 Enable					
No Space	Free Space	20	%(0-99)			
Storage device error	🚫 Alarm Output					
Offline	Output Delay	10	Second(1~300)			
IP Conflict	🚫 Show Msg	🔘 Send Email	🔘 Alarm Upload	🔘 Buzzer	O SMS	
Mac Conflict						
				Apply	ОК Са	incel

Figure 3-45

		Abnormality - 10	.15.6.86	_	_	×
No storage device	🕑 Enable					
No Space	🔘 Alarm Output					
Storage device error	Output Delay	10	Second(1-300)			
Offline	O Prompt	🔘 Send Email	🔿 Alarm Upload	🔵 Buzzer	O SMS	
IP Conflict						
Mac Conflict						
				Apply	Save (	Cancel

Figure 3-46

		Abnormality - 10.15.6.86	×
No storage device	🕝 Enable		
No Space	O Record	1 2 3 4	
Storage device error	Record Delay	10 Second(10~300)	
Offline	🔿 Alarm Output		
IP Conflict	Output Delay	10 Second(1~300)	
Mac Conflict	O Show Msg	Send Email Buzzer SMS	
		Apply Save Ca	ancel

Figure 3-47

		Abnormality - 10.15.6.86		
No storage device	🕑 Enable			
No Space	O Record	1 2 3 4		
Storage device error	Record Delay	10. Secon	nd(10~300)	
Offline	🔘 Alarm Output			
IP Conflict	Output Delay	10 Seco	nd(1~300)	
Mac Conflict	Show Msg	🚫 Send Email	🔘 Buzzer	O SMS
			Apply	Save Cancel

Figure 3-48

		Abnormality - 10.15.6.86			×
No storage device	🕝 Enable				
No Space	🔘 Alarm Output				
Storage device error	Output Delay	10 Secon	d(1~300)		
Offline	Show Msg	🔘 Send Email	O Buzzer	O SMS	
IP Conflict					
Mac Conflict					
			Apply	Save C	Cancel

Figure 3-49

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.

3.6.3.1 Smart Config

KBiVMS supports to add SmartIPC and config added intelligent device, including audio detection config and face recognition. After config is complete, you can go to live interface for preview. Please refer to Ch 4.1.1. See Figure 3-48.

	:	Smart Config - 10.15.	117.109(Channel 1)	_	×
Audio Detect	Anomaly Enable				
Face Detect	Mutation Enable				
	Sensitive	00	100		
	Mutation Threold	0.	100		
	Arm/Disarm Period	Set			
	Anti-dither		Second(0~600)		
	🔲 Record Channel				
	Record Delay	-	Second(10~300)		
	📃 Alarm Output				
	Output Delay		Second(1~300)		
	PTZLink	Set			
	🔲 Tour Turning				
	🔲 Snapshot				
	🔲 Show Msg	🔲 Send Email	📄 Alarm Upload	🥅 Веер	🔲 SMS
Copy current configuration to Nor	ne 🔽			Apply	Save Cancel

Figure 3-50

Parameter	Note
Abnormal Enable	If enable this parameter, then audio detection alarm is enabled.
Mutation Enable	<ul> <li>May config sensitivity and mutation threshold.</li> <li>If select this parameter, then mutation detect is enabled.</li> <li>Sensitivity : 1-100 level adjustable. The smaller the value is, the more input sound volume change exceeds constant environmental sound and is judged as abnormal audio. User shall adjust according to actual environment.</li> <li>Mutation threshold : 1-100 level adjustable. It is used to set filter of environmental sound intensity. If environmental noise is high, then you shall set this value high. Please set and adjust according to actual environment.</li> </ul>

Parameter	Note
Arm/Disarm	Set alarm arm/disarm period.
Period	Click set pop up Arm/Disarm Period box for setup.
Anti-dither	Means only record one motion detection event within the period. Value range 0s ~ 100s.
Record	If select the parameter, then alarm record the channel.
Channel	Go to "Record >Record Control" and select auto record.
Record Delay	Means when alarm link is end, motion detection record will remain for a period of time before stop.
Alarm Output	If select the parameter, then enable alarm link output port, so when alarm occurs, it can link corresponding alarm output device.
Output Delay	Means when alarm link ends, alarm will remain for a period of time before stop.
Snapshot	If select this parameter, then select this parameter, then this channel config motion detection snapshot function.
Send EMAIL	If select this parameter, then when alarm occurs, it send Email to user.
Alarm Upload	If select this parameter, then when alarms occurs, alarm will be sent to center.
SMS	If select this parameter, then when alarm occurs, user will receive SMS.

Face Detect is shown in Figure 3-49.

	3	Smart Config - 10.15.1	117.109(Channel 1)	_	×
Audio Detect	📄 Enable Face Detec	t			
Face Detect	Arm/Disarm Period	Set			
	Anti-dither		Second(0~600)		
	🔲 Enable Face Enhar	ncement			
	🔲 Record Channel				
	Record Delay		Second(10~300)		
	🔲 Alarm Output				
	Output Delay		Second(1~300)		
	TZ link	Set			
	🔲 Tour Turning				
	🔲 Snapshot				
	Show Msg	🔲 Send Email	🦳 Alarm Upload	🕅 Beep	SMS
Copy current configuration to	None			Apply	Save Cancel

Figure 3-51

Parameter	Note
Enable	If select this parameter, it will link alarm.
Arm/Disarm	Set alarm arm/disarm period.
Period	Click setup to pop up arm/disarm period box.
Enable Face Enhancement	If select this parameter, then it enable dynamic trick.
Record	If select this parameter, then the channel has record of alarm.
Channel	Go to "Record > Record Control" and select "auto" record.
Record Delay	Means when alarm link ends, motion detection delays for a period of time.
Alarm Output	If select this parameter, then enable alarm link output port, when alarm occurs, may link alarm output device.
Output Delay	Means when alarm link ends, alarm delays for a period of time.
Snapshot	If select this parameter, then it configures dynamic snapshot function for this channel.
Send EMAIL	If select this parameter, then when alarm occurs, it send Email to user.
Alarm Upload	If select this parameter, then when alarms occurs, alarm will be sent to center.

Parameter	Note
SMS	If select this parameter, then when alarm occurs, user will receive SMS.

## 3.6.4 Record/Storage

### 3.6.4.1 Schedule

Record setup has record plan and record control.

- Record plan (schedule): Record during set period.
- · Record control: Select mode of record.

You can set the corresponding period to enable schedule record function. You can follow the steps listed below to set schedule record function.

1) Click Schedule button, you can go to the following interface. See Figure 3-52.

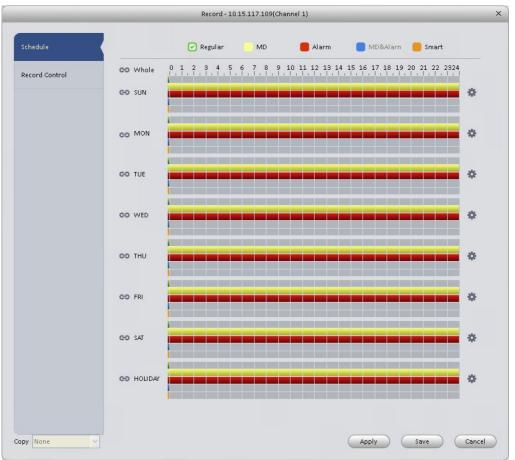


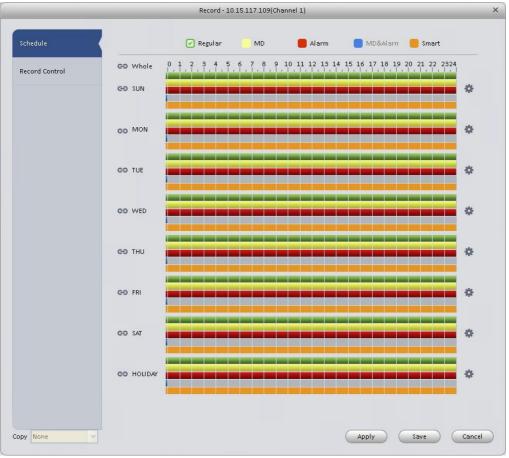
Figure 3-52

 Click solution after corresponding date, you can see an interface shown as below. See Figure 3-53.

Rec Plan									-
					Regular	Motion	Alarm	MD&Alarm	Smart
Period1	00:00:00	÷	23:59:59	÷				0	
Period2	00:00:00	*	23:59:59	÷				0	
Period3	00:00:00	÷ —	23:59:59	÷					
Period4	00:00:00	¢ —	23:59:59	÷		0		0	
Period5	00:00:00	÷	23:59:59	÷				0	
Period6	00:00:00	*	23:59:59	÷					
) All									
SUN 🕑			O WED		🔿 тни	O FRI	🔘 sat		47
						(	Save	Cancel	$\supset$



3) Set record period and check the box to select record type. Click OK button, now you can see an interface shown as in Figure 3-54.



#### Figure 3-54

You can view the current time period setup from the color bar.

- · Green color stands for the general record.
- · Yellow color stands for the motion detect record.
- · Red color stands for the alarm record.
- · Blue color stands for MD and alarm record.
- · Orange color stands for smart alarm record.

## Tips

Choose the channel you want, then click save button to copy current setup

#### 3.6.4.1.1 Record Control

It is for you to set record control mode. See Figure 3-55.

		Record Settin	g - 10.15.7.123	B(CAM 11)			×
Schedule Record Control	Pre-Record Main Stream Sub Stream	4 <ul> <li>Schedule</li> </ul>	€ S(0*3 Manual Manual	0) O Stop			
Copy None					Apply	Save	Cancel

#### Figure 3-55

Please refer to the following sheet for detailed information.

Parameter	Function				
Pre-record	Please input pre-record time here.				
Main stream	It is to set main stream record mode. It includes: Schedule/manual/stop.				
Sub stream	It is to set sub stream record mode. It includes: Schedule/manual/stop.				

### 3.6.4.2

#### 3.6.4.3 Disk

3.6.4.3.1 Local Store

The local interface is shown as in Figure 3-56. Here you can save data to local SD card or HDD and meanwhile view health status of HDD.

		Disk Ma	anager - 172.7.56	5.101		
ocal Store	Device Name	HDD Operation	Disk Type	State	Free/Total Space	SMART
	Disk 1	Set as read-write	Read-Write	Normal	0G/931.4G	1
emote Store						

Figure 3-56

3.6.4.3.2 Remote store

It is for you to upload data to a PC via FTP. See Figure 3-57.

Disk Manager - 10.15.22.100	×
Local Store 🔄 Enable	
Remote Store * Host IP 10.15.12.16	
* Port 21	
User Name Martin	
Password Anonymity	
Remote Directory /share/ii/oo/pp	
File Length 0 M	
Upload Interval 0 Second	
Channel 1	
Week Sun.	
Period 1 00:00:00 💠 - 00:00:00 🛟 - Alarm - MD - Others	
Period 2 00:00:00 - 00:00:00 - Alarm MD Others	
Apply Save Cancel	

Figure 3-57

## 3.6.5 Maintenance

3.6.5.1 Account

Here you can add/modify/delete a group or add/modify/delete a user. System default user group is admin/user. System default user is admin/888888/666666.

Click Account button in Signals interface and then click Role button. See Figure 3-58.

User       Add       Delete         Role       I Group Name       Memo       Operation         I admin       administrator group       X         I user       user group       X			Account	- 10.15.22.100		×
Role       All       Group Name       Memo       Operation         1       admin       administrator group       **         2       user       user group       **						
Image: Solution of the second seco	User	Add	Delete			
2 user user group / X	Role	- All	Group Name	Memo	Oper	ation
		1	admin	administrator group	/	
		2	user	user group	/	×
Cancel						
Cancel						
Cancel						
Canrel						
Cancel						
Cancel						
Cancel						
Cancel						Connel
						Cancel

Figure 3-58

Click Add button, you can see system pops up the following interface. See Figure 3-59. Please input a group name and then select corresponding rights, input some note information for your reference if necessary. Click OK button to exit.

Group Name		
Memo		
Rights List 🛛 🔿 Che	eck All	
O Shutdown		f
O Monitor_01		
🔘 Replay_01		
O Record		
🔘 Backup		
		Cancel

Figure 3-59

Go to the User interface, here you can add/remove user and modify user name. See Figure 3-60.

User	Add	Delete			
Role	All	User Name	Group Name	Memo	Operation
	1	888888	admin	admin(888888) 's acc	/ ×
	2	666666	user	666666 user's account	/ ×
	3	admin	admin	admin 's account	/ ×
	4	default	user	default account	/ X

Figure 3-60

Click Add button, you can see the following interface. See Figure 3-61. Please input user name, password, and select a group from the dropdown list. Select corresponding rights and then click OK button.

#### Tips

If you want to multiple users to use this account login at the same time, you need to check the box to select reusable function.

	Add User	
User Name		📃 Reuseable
Password		
Confirm Password		
Group	admin 🔽	
Memo		
Rights List	🔲 Check All	
Ctr Panel		
🔲 Shutdown		
Monitor		
Playback		
Record		
🔲 Backup		
📃 HDD Manager		

Figure 3-61

3.6.5.2 Maintenance

3.6.5.2.1 Host

Here you can set system time, date format, record period and etc. See Figure 3-62.

	Mai	ntenance - 10.15.11	.7.109(Channel 1)		_	×
Local Setup	Device Name	YZC4EZ008WC	0019			
DateIime	Device No	8				
R\$232	Language Video Standard	English PAL	v			
Auto Maintenance	Pack Duration	8	minute(1~6	0)		
Version	When disk is full	Overwrite	<b>T</b>			
				Apply	Save	Cancel

Figure 3-62

Please refer to the following sheet for detailed information.

Parameter	Function
Device name	It is to set device name.
Device No.	When you are using one remote control to manage multiple devices, you can give a serial numbers to the device.
	Before the operation, please make sure you have clicked address button on the remote control and input a number for current device.
Language	You can select the language from the dropdown list.
	Please note the device needs to reboot to get the modification activated.
Video Standard	This is to display video standard such as PAL.
HDD full	<ul> <li>Here is for you to select working mode when hard disk is full. There are two options: stop recording or rewrite.</li> <li>If current working HDD is overwritten or the current HDD is full while the next HDD is no empty, then system stops recording,</li> <li>If the current HDD is full and then next HDD is not empty, then system overwrites the previous files.</li> </ul>
Pack duration	Here is for you to specify record duration.

#### 3.6.5.2.2 Date&Time

The date and time interface is shown as in Figure 3-63.

	Ма	intenance - 10.15.117.109(Channel 1)	×
Local Setup	Date Format	YYYY-MM-DD	
Date <u>T</u> ime	Time Format	24-H	
R\$232	System Time	2014-12-11 🛓 15:23:59 🛓 Sync PC	
Auto Maintenance	🔘 DST Enable DST Typ	) Date 🔾 Week	
Version	Start Time	2014 V Jan V 1 V 00:00	
	End Time	2014 🗸 Jan 🔻 1 🔍 00:00 🔦	
	Time Zone NTP Server	GMT+08:00 V	
	Port	123 (1-65535)	
	Update Period	10 Minute(0-65535)	
		Apply Save	Cancel

Figure 3-63

Please refer to the following sheet for detailed information.

Parameter	Function
Date format	Here you can select date format from the dropdown list.
Time Format	There are two options: 24-H and 12-H.
Time zone	The time zone of the device.
System time	It is to set system time. It becomes valid after you set.
Sync PC	You can click this button to save the system time as your PC current time.
DST enable	Here you can set day night save time begin time and end time. You can set according to the date format or according to the week format.
NTP	You can check the box to enable NTP function.
NTP server	You can set the time server address.
Port	It is to set the time server port.
Update period	It is to set the sync periods between the device and the time server.

3.6.5.2.3 RS232

The RS232 interface is shown as in Figure 3-64.

	1	Maintenance - 10.15.11	17.109(Channel 1)			×
Local Setup	сом	COM1	•			
Datelime	Function	Console	•			
_	Data Bit	8	T			
R\$232	Stop Bit	1	V			
Auto Maintenance	Baud Rate	115200	•			
	Parity	None	•			
Version						
				Apply	Save	Cancel

## Figure 3-64

Please refer to the following sheet for detailed information.

Parameter	Function
СОМ	You can select from the dropdown list.
Function	<ul> <li>There are various devices for you to select.</li> <li>Console is for you to use the COM or mini-end software to upgrade or debug the program.</li> <li>The control keyboard is for you to control the device via the special keyboard.</li> <li>Transparent COM (adapter) is to connect to the PC to transfer data directly.</li> <li>Protocol COM is for card overlay function.</li> <li>Network keyboard is for you to use the special keyboard to control the device.</li> </ul>
Baud Rate	Default setup is 115200.
Data Bit	Default setup is 8.
Stop bit	Default setup is 1.
Parity	Default setup is none.

#### 3.6.5.2.4 Auto Maintenance

Here you can set auto-reboot time and auto-delete old files setup. You can set to delete the files for the specified days. See Figure 3-65.

	Mair	ntenance - 10.15.117.	109(Channel 1)		×
Local Setup	Auto Restart	Tuesday	02:00	<u>▲</u> ▼.	
DateIime	Auto Delete Files	Never	v		
R\$232		Restart			
Auto Maintenance					
Version					
				Apply (	Save Cancel

Figure 3-65

3.6.5.2.5 Version

Version interface is shown as below. See Figure 3-66.

	Mair	ntenance - 10.15.117.109(Channel 1)	×
Local Setup	Software Version:	2.400.0000.3.R, build : 2014-11-7	
Date <u>T</u> ime	SN: Copyright 2014. All R	YZC4EZ008W00019	
R\$232	Copyright 2014. An A	gilis reserved	
Auto Maintenance			
Version			
			Cancel

Figure 3-66

## 3.6.5.3 WEB

Click it to go to the WEB of the device. See Figure 3-67. The following figure is for reference only.

http://10.15.7.15/config/index.htm?dXNlcm5hbWU9Y	WRtaW4mcGFzc3dvcmQ9YWRtaW4- Win	dows Internet Explorer	
COO V http://10.15.7.15/config/index.htm?dXNlcm5hbWU9	/WRtaW4mcGFzc3dvcmQ9VWRtaW4=	📀 🗹 🐓 🗙 🞯 Vahool	<del>ار</del>
File Edit View Favorites Tools Help			
Favorites Mttp://10.15.7.15/config/index.htm?dXNicm5hbWU	I9Y		
Channel			
> Conditions		Channel 1	
> Video&Audio		Channel 1	
> Channel Name			
Network		Period 🗹 00:00 - 24:00 🔲 00:00 - 24:00	
▶ Event		Hue 💬5050	
Storage		Brightness 🔆	
⊳ System		Contrast D5050	
Mathematical Advanced		Saturation 🖄 50 50	
▶ Information			
		Color Mode Standard 💌 Standard 💌	
	Customized Defects	Count	
	Customized Default	Cancel	

Figure 3-67

# 3.7 Alarm Setup

### 3.7.1 Set Alarm Scheme

You can follow the steps listed below to set an alarm scheme.

1) Click the icon in the Settings pane, you can go to alarm configuration interface. See

Figure 3-68.

KBiVMS Professional Video Management System	HOME PAGE		DOUNT GENERAL	DEVICES	+ ADD	1 A A ? - 67 :
Add Delete	Import Export	$\supset$				
All Status Name			C	escription		Operation
						QUESTEK_LAN5

Figure 3-68

- 2) Set alarm sources.
  - a) Click Add button in Figure 3-68, system goes to alarm sources setup interface. See Figure 3-69.
- 3) Here you can input a scheme name and some reference information. select the alarm type from the dropdown list.

a) Check the box to select a channel you want to set alarm scheme on the left pane; you can add it to the list on the right pane.

		_	New Scheme		×
	* Name Untitled 1	Descrip	tion		Enable when create
1 Alarm sources	Alarm Type Camera Masking	•			
<ul> <li>2 Alarm link</li> <li>3 Schedule</li> </ul>	Instatistics         Image: Content of the image: Contentof the image: Content of the image: Contentof the image: Content	No. 1	Channel 10.15.100.25/Channel 1	Alarm Type Camera Masking	Operation X
	10.15.9.58				
				Next	Cancel

Figure 3-69

b) Click Alarm Link on the left pane or click next button in Figure 3-69, you can go to the following interface. Please check the trigger channel in Figure 3-70 and alarm output channel in Figure 3-71.

		New Scheme					
* N	ame Untitled 1	Description	_	-	-	🔽 🗹 Enable	when create
) Alarm sources	Channel Alarm Out						
Alarma Ital	Input search criteria	Link Channel	Push Video	Record	Preset	Stay Time(s)	Operation
Alarmlink	Default Group     Solution     Solution     Solution     Solution	10.15.120.111/CAM 2			N/A	20	×
) Schedule	<ul> <li> <ul> <li>10.15.100.25</li> <li>√</li> <li>10.15.20.111</li> <li>10.15.21.00</li> <li>10.15.23.33</li> <li>10.15.5.122</li> <li>10.15.5.156</li> <li>10.15.5.156</li> <li>10.15.5.156</li> <li>10.15.5.166</li> <li>10.15.5.167</li> <li>10.15.5.168</li> <li>10.15.5.88</li> <li>10.15.5.88</li> <li>10.15.6.633</li> <li>10.15.6.634</li> <li>10.15.6.64</li> <li>10.15.7.109</li> <li>10.15.7.123</li> <li>10.15.7.141</li> <li>10.15.7.141</li> <li>10.15.7.141</li> <li>10.15.7.141</li> <li>10.15.7.148</li> <li>10.15.9.168</li> <li></li></ul></li></ul>						
	F 100 10 10 00 90		(	Back		Next	C

Figure 3-70

		New Scheme			
	* Name Untitled 1	Description	_	🔽 🗹 Enable	when create
1 Alarm sources	Channel Alarm Out				
	Input search criteria	Link Out	Auto Start	Stay Time(s)	Operation
2 Alarm link	📄 📃 🗁 Default Group	10.15.22.100/AlarmOut1	Yes	20	×
3 Schedule	10.1.71     10.15.1.82     10.15.100.24     10.15.100.24     10.15.100.24     10.15.100.24     10.15.100.25     10.15.22.100     ✓    ▲ JarmOut1     ✓    ▲ JarmOut2     ✓    ▲ JarmOut2     ✓    ▲ JarmOut5     ▲ JarmOut5     ▲ JarmOut5     ▲ JarmOut6     ▲ JarmOut6     ▲ JarmOut7     ▲ JarmOut7     ▲ JarmOut8     □ 10.15.5.156     □ 10.15.5.156     □ 10.15.5.157     ■ 10.15.5.38     □ 10.15.5.38     □ 10.15.5.38     □ 10.15.5.38     □ 10.15.5.38     □ 10.15.5.38     □ 10.15.5.88     ■ 10.15.6.33     ■ 10.15.6.85	10.15.22.100/AlarmOut2	Yes	20	×
	I I I I I I I I I I I I I I I I I I I		Back	Next C	Cancel

Figure 3-71

c) Click Period button on the left pane or click next button in Figure 3-70, you can go to the following interface. See Figure 3-72.

		New Scheme	×
	* Name Untitled	Description	en create
1 Alarm sources			
2 Alarm link			
3 Schedule	Sun	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	•
	Mon		\$
	Tue		\$
	Wed		\$
	Thu		\$
	Fri		*
	Sat		\$
		Back Confirm Can	icel

Figure 3-72

Click after a date to set alarm activation period. There are six periods in one day. See Figure 3-73. Click OK button to exit.

_	Schem	e Tim	ie Setup	-	-	>
Period 1	00:00	A V		23:59		Å.
Period 2	00:00	A V	-	00:00	8	÷
Period 3	00:00	*		00:00		*
Period 4	00:00	A V	_	00:00		+
Period 5	00:00	A. V		00:00		*
Period 6	00:00	A V		00:00	8	÷.
🔲 All						
💟 Sun 📃 Thu	📄 Mon		🔲 Tue	[	🗌 Wed	
		C	ок	)	Cancel	

Figure 3-73

d) Click OK button, you can view the scheme information on the alarm setup interface. See Figure 3-74.

KBi\ Professional Video N		HOME PAGE	ALARM CFG	ACCOUNT	GENERAL	DEVICES	+ ADD	-	-	±≞? - ₫×
Add	Delete	Import	Export							
All St	tatus Name				Desc	ription				Operation
										QUESTEK_LAN5 Internet access

Figure 3-74

### 3.7.2 Enable/Disable/Export Scheme

After you added a scheme, you can view the following contents for operation information.

Delete current scheme.
Disable current scheme.
Enable current scheme.
Add : Add scheme.
Add : Add scheme.
Delete : Select one or more scheme(s) and then click this button to delete.
Import : Import scheme information.
Export : Export scheme information.

# 3.8 Video Wall Configuration

This function allows you to output video to the video wall. Please follow the steps listed below.



1) Click

, system goes to video wall setup interface. See Figure 3-75.

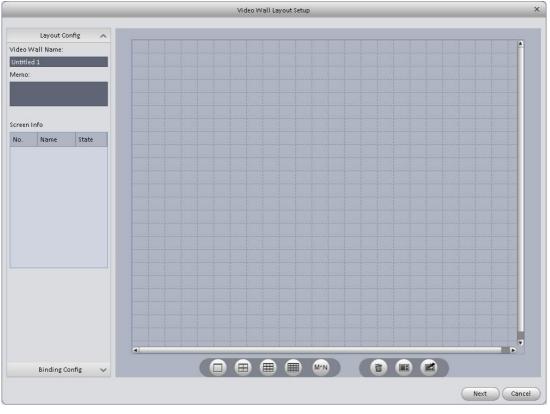


Figure 3-75

- 2) Config video wall.
  - a) Enter video wall name and description.
  - b) Click 🔲 🕮 🎟 📖 below, select layout as 1\*1, 2\*2, 3\*3, 4\*4 or M\*M.

Click screen to draw video wall physical layout, see Figure 3-74.

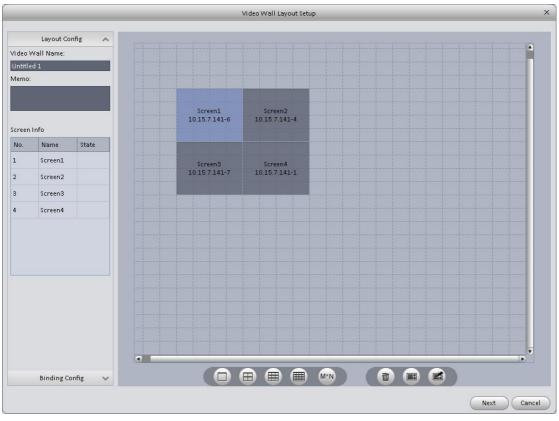


Figure 3-76

#### Note

Use Ctrl+left click mouse to select several screens, right click mouse to select splicing or

click E, you can combine several screens to a splicing screen. Right click mouse, select

unbind splicing or click e, you can cancel splicing.

· Select a screen and right click to select rename or delete, you can rename screen name or

delete a screen. Click you can delete all screens.

c) Click Next button, you can go to video wall input binding interface.

#### 3) Binding decoder channel

Select a decoder channel and then drag it to the corresponding screen of the video wall. See Figure 3-75.

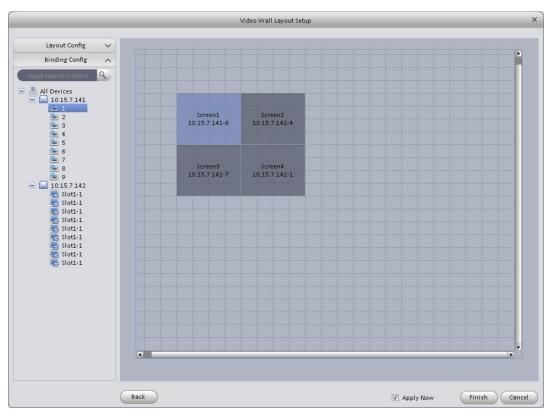


Figure 3-77

### Note:

When a screen binds M30, you need to splice physical layout **m**, otherwise you cannot bind.

4) Check the box to enable setup immediately and then click Finish button, you can see an interface shown as in Figure 3-78.

Professional V	iVMS deo Managoment System	HOME PAGE		G ACCOUNT	GENERAL	DEVICES	+ ADD	±≞?-∂×
Add Video	Wall Del	ete						
	Status	Name	Memo	Operation				
								 QUESTEK_LAN5 Internet access 0/0

Figure 3-78

In Figure 3-78, double click a video wall, or select a video wall and then click Modify button ,

you can change its setup. You can also click Delete button or to remove. Click , you can change video wall on/off setup.

# 3.9 Tour & Task

•

3-79.

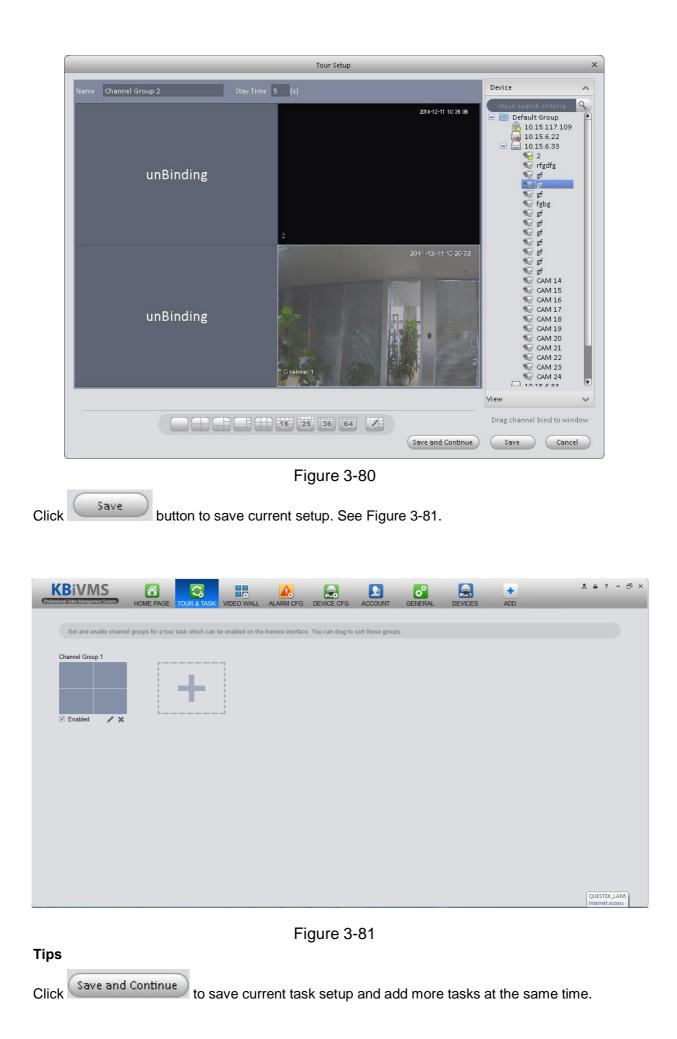
It is to realize monitor tour among each window. Please follow the steps listed below to set.



in the Settings pane, you can go to monitor tour interface. See Figure

Profe	KBIVMS IN TOUR & TASK VIDEO WALL ALARM CFG DEVICE CFG ACCOUNT GENERAL DEVICES ADD	×
	Set and enable channel groups for a tour task which can be enabled on the liveview interface. You can drag to sort these groups.	
	QUESTEK_LANS Internet access	
	Figure 3-79	
•	Click button to add task interface. See Figure 3-82.	
•	Input task name, stay time.	
•	Click	
	interface to select window amount.	

• Drag channel(s) on the right pane to the windows on the left pane. See Figure 3-80.



In Figure 3-81, you can check the enable button to open current scheme. Or you can go to the homepage and then click Liveview button () to go to the following interface. See Figure 3-82. Click () at the bottom of the interface to enable the scheme.

Pedessional Video Management System	Home Page Liveview(1)	TOUR & TASK VIDEO WALL	ALARM CFG DEV	CE CFG ACCOUNT	GENERAL AD	Device ▲  Input search criteria  Default Group  Default Group  Up: 192.168.2.9  KB-3001C  KB-2004C  KB-2004C  KB-1002C  New Group
		16 25 36 64	Full-Win V	53		

Figure 3-82

# 3.10 PC-NVR

#### Important

٠

Before you use this function, please make sure you have installed PC-NVR and the PC-NVR applications are running now!

This function allows you to storage record file on the PC to effectively use wideband. You can add, modify or delete PC-NVR and set PC-NVR parameter. Please follow the steps listed below.



in the Settings pane, you can go the PC-NVR interface. See Figure 3-83.

KBiVMS Professional Video Management System	HOME PAGE		R & TASK VIDEO WALL	ALARM CFG		+ ADD	±≞?-∂
Name: PC_NVR	IP: 192.168.2.231	Port: 37777	Status: Online				ტ
<ul> <li>Remote Device</li> <li>Disk Management</li> </ul>	267543.						
Record Plan	нен 192.168КВ-1301С 🗙						
Version							
							QUESTEK_LANS Internet access

Figure 3-83

- 2) Remote device
  - a) Click button, you can see an interface shown as in Figure 3-84. Here you can add channels.

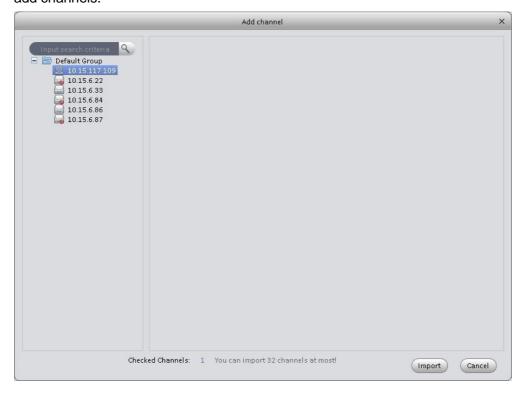


Figure 3-84

- b) Please select a device and then check the record channels
- c) Click Save button.
- 3) Disk manager

KBiVMS support disk allocation management of PC-NVR.

Note: Before allocation, make sure the disk has at least 7G in free space.

- a) In Figure 3-83, click disk manager button on the left pane, you can go to the setup interface.
- b) You can select saved disk and input the space then click Allocate. See Figure 3-85.

KBiVMS Professional Video Managoment System	HOME PAGE		A TASK VIDEO WALL	ALARM CFG		ACCOUNT	+ ADD	2	<u> </u>	₽×
Name: PC_NVR	IP: 192.168.2.231	Port: 37777	Status: Online							Q
Remote Device					_					
Disk Management	Total/Free: 0.00G/0	.00G	When disk is	full: Overwrite	Y					
Record Plan		C: Status: Free	Allocate	(6G ~ 23G)						
Uersion		Free space:24.48G	Allocate	(86 ~ 236)						
		D: Status: Free Free space:114.45G	Allocate	(6G ~ 113G)						
									QUESTEK_LAN Internet acces	V5 s

#### Figure 3-85

#### 4) Add record plan

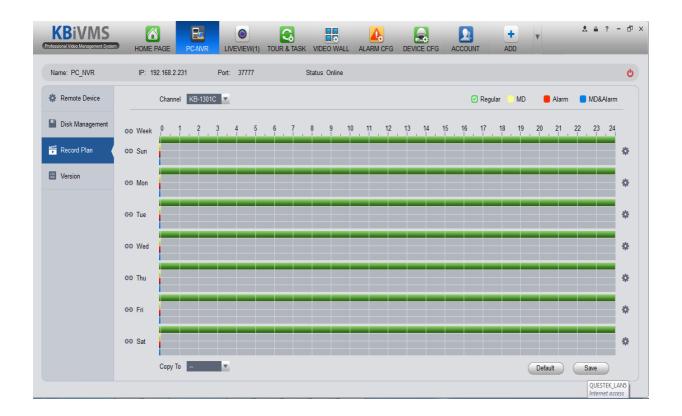
a) In Figure 3-83, click Record Plan button on the left pane. And then select a channel from

the dropdown list and then click button \*\*. You can go to the following interface. See Figure 3-86.

Period Setup								
				Regular	MD	Alarm	MD&Alarm	
Period 1	00:00:00	23:59	9:59 🛟					
Period 2	00:00:00	<b>÷</b> — 23:59	9:59 🛟					
Period 3	00:00:00	💠 — 23:59	9:59 🛟					
Period 4	00:00:00	<b>÷</b> — 23:59	9:59 🛟					
Period 5	00:00:00	23:59	9:59 🛟					
Period 6	00:00:00	🔹 — 23:59	9:59 🛟					
- 🗌 Weel	r ———							
Sun 📃	🔄 Mon	📃 Tue	🔲 Wed	🔲 Thu	🔄 F	ri 📃	Sat	

Figure 3-86

- b) Please set period information and type.
- c) Please set the corresponding time.
- d) Click OK button. You can see an interface shown as in Figure 3-87.



e) Click Save.

# Tips

After you complete setup for one channel, you can click Dropdown in Figure 3-87 to copy current setup to other channel(s).

5) View version.

# 4. Basic Operation

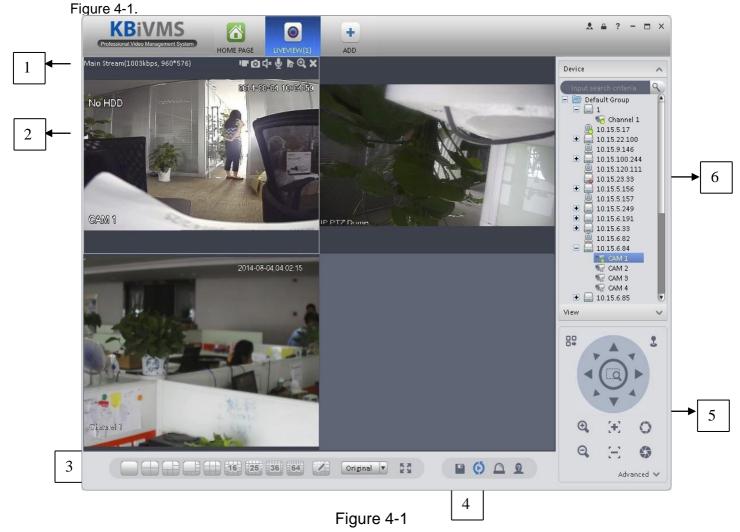
# 4.1 Liveview

# 4.1.1 Real-time Liveview

After you set channel group, you can realize real-time liveview, record, snap, PTZ operation and etc.

0

On the homepage, click in the Basic pane, you can go to the liveview interface. See



Please refer to the following sheet for detailed information.

g contents for detailed information. record. o. ectional talk.
nd then click this button to custmoze its scale.
as image. You can view under View, ur interface. I to tour task before you can view it in er to Ch 3.9.
series product only. direction, zoom in, zoom out, iris and et preset, tour, aux function and so on.
he corresponding channel. group and drag a device to it. can select main stream/sub stream or cup interface.
as image. You can view under Vie ur interface. I to tour task before you can view i er to Ch 3.9. series product only. direction, zoom in, zoom out, iris a et preset, tour, aux function and so he corresponding channel. group and drag a device to it. can select main stream/sub strean

Select a liveview window, double click a device channel on the right pane to open the video. Double click a group name; you can open all channels under current group. Right click device channel, you can switch between main stream/extra stream.

Right click liveview window, you can see an interface shown as in Figure 4-2.

×	Close Video	
	Close All Video	
4-	Start Audio	
4	Start Talk	
	Start Record	
٥	Snapshot	
	Triple Snapshot	
	Start Instant Playback	
	Playback	
0	Fisheye Installation Mode	•
	Fisheye View	•
	Window Scale	•
	Stream Type	•
	Adjust	
	IVS Overlay	•
	Channel Cfg	
	Full Screen	

Figure 4-2

Please refer to the following sheet for detailed information.

Item	Function
Close video	Click it to close current window.
Close all video	Click it to close all windows.
Start audio	Click it to enable audio function.
Start talk	Click it to enable bidirectional talk function.
Start record	Save audio/video of current window to a record file.
Snapshot	Snapshot current window. Click it once to save one picture.
Triple Snapshot	Snapshot current window. Click it once to save three pictures by default.
Start instant playback	It is to enable instant playback in current window.
Playback	Click it to go to the playback interface to playback record of current window.
Fisheye installation mode	It is to adjust fisheye installation mode. It includes: ceiling mount, wall mount and ground mount.
Fisheye view	It is to adjust fisheye view mode.
Window scale	It is to adjust window scale.

Item	Function
Stream type	Switch between main stream/sub stream
Adjust	Set video brightness, contrast, hue and saturation.
Channel setup	Click it to go to the channel setup interface (chapter 错误! 未找到引用源。).
Full-screen	Click it to switch to full screen mode. You can double click video window or right click mouse and then select exit full screen/press Esc to exit.

### 4.1.2 Record

During the liveview process, you can follow the steps listed below to record.

On the liveview interface, right click mouse and then select record button.

Or you can click the button The top of the video window to record.

The icon becomes *when device is recording.* 

You can right click mouse to select stop record or click the **I** at the top of the video window to stop record.

The default record save path is KBiVMS/Record. Here you can go to chapter 3.3 General and then select file setup icon to modify record save path.

### 4.1.3 Snapshot

During the liveview process, you can follow the steps listed below to snapshot.

1) On the liveview window, right click mouse and then select snapshot. You can see system pops up snapshot dialogue box. See Figure 4-3.

#### Tips

You can also click at the top of the video window to snapshot.

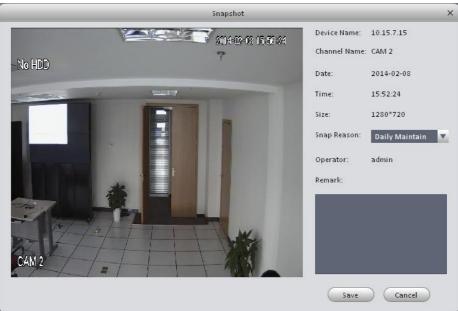


Figure 4-3

- 2) Please select corresponding parameter from the snapshot reason dropdown list and then input the information in the Remarks column.
- 3) Click save button, you can see system prompts "Successfully saved snapshot!".

On the Liveview window, right click mouse and then click Triple snapshot, you can snap three pictures at one time. You can see the corresponding dialogue box if the snapshot succeeds. The default picture save path is KBiVMS/capture. Here you can go to chapter 3.3 General and then select file setup icon to modify picture save path.

#### 4.1.4 Fisheye

Installation of fisheye includes in-ceiling, wall mount and ground. In-ceiling supports 8 views, the ground mounted 1+4 mode is illustrated by Figure 4-4.

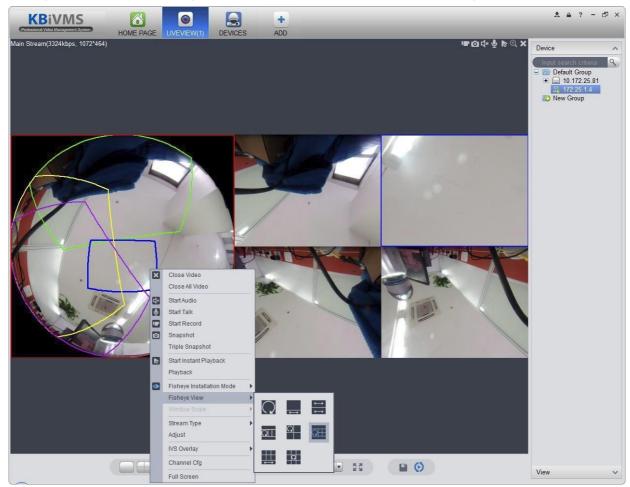


Figure 4-4

In the left, fish eye splits into 4 scene boxes, if you drag one box with mouse, as : U, the corresponding above scene box will rotate.

Wall mount supports 5 views, and ground supports 7 views.

#### 4.1.5 Smart Alarm

If the system configures SmartIPC device, then you can configure rule for smart channel of the device in Liveview interface.

Step 1. In Liveview interface, device list on the right, right click intelligent device, select IVS Channel Cfg. See Figure 4-4.

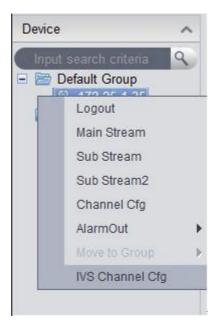


Figure 4-5

Step 2. In channel list dropdown list, select channel, see Figure 4-5.

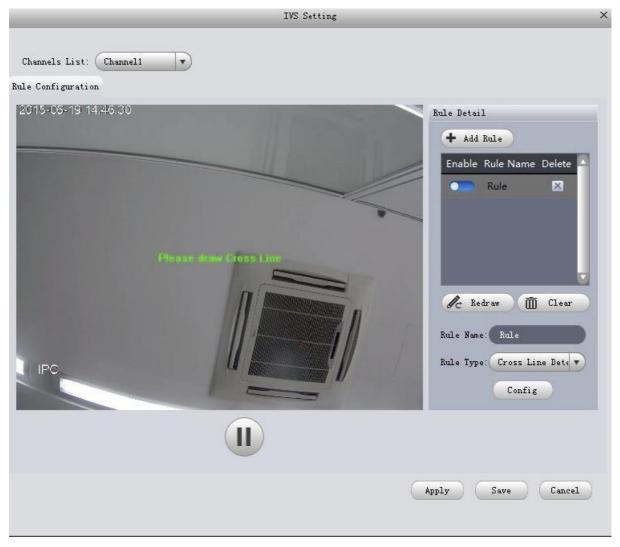


Figure 4-6

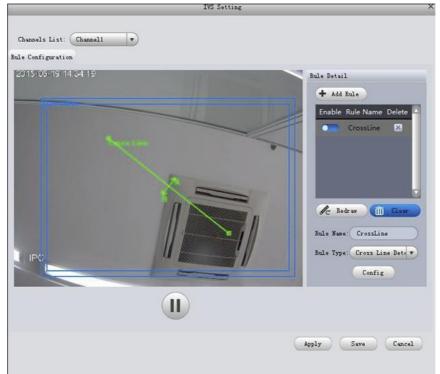
Step 3. Click + Add Rule . See	Figure 4-6.
[]	Rule Detail
	+ Add Rule
	Enable Rule Name Delete
	🕥 Rule1 🛛
	Redraw 面 Clear
	Rule Name: Rule1
	Rule Type: Cross Line Dete
	Config

Figure 4-7

Step 4. Configure rule name, and select rule type.

Step 5. In video window, draw detection region, and right click to complete drawing.

- · Click Redraw to draw detection region again.
- · Click Clear to clear drawn detection region.
- See Figure 4-7.



Step 6. Click Config. Step 7. Set parameters, select "A<- ->B", "A-->B" or "A<--B", see Figure 4-8.

Config	X
Parameters Configuration Time Setting Alarm Message	
Direction: A<>B V	
OK Cana	rel

Figure 4-9

Step 8. Click Time Setting, set time, see Figure 4-9.

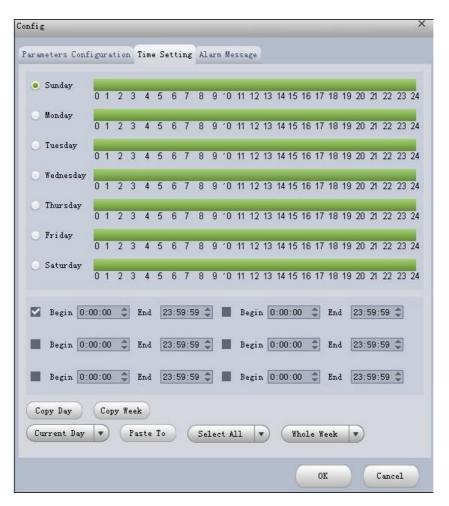


Figure 4-10

Step 9. Click Alarm Message.

Step 10. Check alarm output, record, snapshot and click OK.

Step 11. Click Apply.

When alarm occurs, in LOG interface, you can select alarm log for type, and IVS device for device name to search alarm info. See Figure 4-10.

Client	Video Management System HO	ME PAGE LO			TOUR & TASK VI	DEO WALL	ALARM CFG	DEVICE CFG	+ ADD	T	<u> </u>
St	art Time 2015-12-09 00:00:00	)	<ul> <li>End Tim</li> </ul>	e 2015-12-09 23:59:59	)	V					Search
	Type System 💌 A	All	<ul> <li>Key Word</li> </ul>	s	_						Export
<b>1</b> 0.	Time	▲ User Name	Event Type	Device Name	Channel Name	Remarks					
	2015-12-09 09:53:45	admin	User Login								

Figure 4-11

# 4.1.6 PTZ

If the device type is PTZ dome camera, you can click the PTZ button to set. See Figure 4-12.





Please refer to the following sheet for detailed information.

ltem	Function
PTZ menu	Click BP to go to the PTZ menu. See Figure 4-13.
Mouse simulator	Click , you can use your mouse to set camera movement direction.
Direction buttons	It is to set camera movement direction. There are total 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.
Zoom	It is to control speed dome to realize zoom function.
Focus	It is to adjust video definition.
Iris	It is to adjust brightness.

Item	Function
Step	It is to control PTZ movement speed. It supports value 1 to value 8.
	There are 128 presets by default.
Dresst	You can set camera to a specified preset.
Preset	Use direction keys to move the camera to your desired location and then input preset value. Click Set button, you have set one preset.
Tour	This function allows the camera to move between several presets.
Horizontal rotate	It is to enable horizontal rotate function.
Scan	It is to set two limits so that the camera can move back and forth.
Pattern	The camera can memorize dome operation such as pan, tilt, and zoom to repeat.
Aux	It is to set aux positioning.

#### 4.1.6.1 Preset

This function allows you to set camera to a specified position.

#### Preset setup

Please note system supports 128 presets by default.

- 1) In Figure 4-12, use direction keys to move the camera to your desired location.
- 2) Click Indropdown list, select preset; click I and click I dropdown list. Select number within 1~128.
- 3) Click 🗹 to set corresponding preset. .

#### 4.1.6.2 Tour

This function allows camera to go between several presets.

#### Important

#### Before you use this function, please set at least two presets.

#### Tour setup

1) In Figure 4-12, select Tour from the dropdown list and then click 🗱 button. See Figure 4-14.

Preset	Time(s)	Operation
1	10	+

Figure 4-14

- 2) Input tour number/tour name.
- 3) Select preset number from the dropdown list and input stay time.
- 4) Click **s** button to add one preset to the tour. Select another preset number from the dropdown list and then click Add button again to add more preset to the tour.
- 5) Click OK button to complete the tour setup.
- 6) Click 😃 button to tour.
- 4.1.6.3 Pan
- 1) Click Pan dropdown list, select Pan.
- 2) Click 😃 to enable Pan.
- 4.1.6.4 Scan
- 1) Click Scan dropdown list, select Scan.
- 2) Click PTZ button, to rotate left, click Kee, set left border.
- 3) Rotate PTZ to right, click met right border.
- 4) Click 😃 to enable Scan. PTZ will rotates within the range of two borders.

#### 4.1.6.5 Pattern

Pattern is the process of recording.

1) Click Rattern dropdown list click Pattern.

- In <u>1</u> dropdown list select number of pattern, you can set up to 5 patterns.
- 3) Click I, after button is red, operate on 8 buttons of PTZ to start setup of pattern.
- 4) Click 🚯, complete pattern setup.
- 5) Click 😃, deivce will rotate accoridng to set pattern.

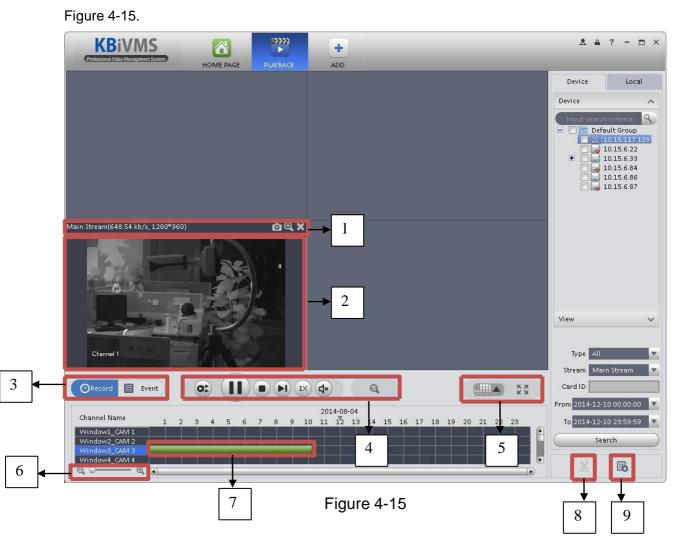
#### 4.1.6.6 Aux

- 1) Click Aux dropdown list, select Aux.
- 2) In Aux order box, input any number between 1~255. Each number has a corresponding function.
- 3) Click 🕛, display function of Aux order.

# 4.2 Playback

After you recorded a file, you can go to this interface to playback.

On the homepage, click in the Basic pane, you can go to the playback interface. See



SN	ltem	Function
1	Shortcut operation column	<ul> <li>There are shortcut operations to download record file and snapshot.</li> <li>Image: Snapshot.</li> <li>Image: Zoom in window</li> <li>Image: Close current window.</li> </ul>
2	Playback window	Playback record
3	Mode	There are two playback mode: by time/by event.
4	Playback tool bar	It is to control the playback process, audio and etc : Window sync operation button. When this function is enabled, the operation of the playback bar is for all windows. When it is in for current selected window only. Will : It is to switch playback and pause. : It is to switch playback and pause. : Stop playback. : Stop playback. : Forward. : It is to control the playback speed. : It is to adjust volume. : Motion detect the zone.
5	Window display mode setup	It is to set window split mode. The value ranges from 1- window to 36-window. Select a window and then click this button to realize customized setup. Full screen.
6	Time bar control	It is to zoom in /zoom out time line.
7	Time bar	Playback time process.
8	Time clip	It is to edit the time line to download the specified records.
9	Export process	It is to export the records of the specified period.

#### 4.2.1 Playback Device Record

Please follow the steps listed below to search the record you want and then playback.

- 1) In Figure 4-15, click Device button on the upper right intergface.
- 2) Check a channel (or some channels) on the device list on the top right pane.

- 3) Select record type, stream type and record start time and end time.
- 4) Click Search. See Figure 4-8. By default, system search record by "time".

KBiVMS Professional Video Management System		& ≞ ? - ⊡ ×
НОМЕ РАGE PLAYBA	ADD	Device Local Device Input search criteria Defailt Group Defailt Group Defailt Group Defailt Group 通道二 電道二 電道二 電道二 電道二 電道二 電道二 電道二 電
		<ul> <li>通道八</li> <li>通道八</li> <li>172.7.56.102</li> <li>172.7.56.108</li> <li>172.7.57.41</li> <li>11</li> </ul>
		View 🗸
	1X       Q         2014-12-08         9       10         11       12         13       14         14       15         15       16         16       17         18       19         20       21         22       23	Card ID From 2014-12-08 00:00:00 V To 2014-12-08 23:59:59 V Search E

Figure 4-16

- · Green color stands for the general record.
- · Yellow color stands for the motion detect record.
- Red color stands for the alarm record.
- Blue color stands for card no. record.
- 5) Click to play record.
- 6) Click at to intelligently search motion detection. System shows motion detection window.
- 7) Left click to select motion detection area with the box.
- 8) Click search motion detection. The purple time bar represents found motion detection in Figure 4-9.



Figure 4-17

- 9) Click **V** to play motion detection in video window.
- Re-select motion detection area.
- U: Exit intelligent search.
- 10) Click event below video window. System search record file by event.
- 11) Click

, to playback record. See Figure 4-17.

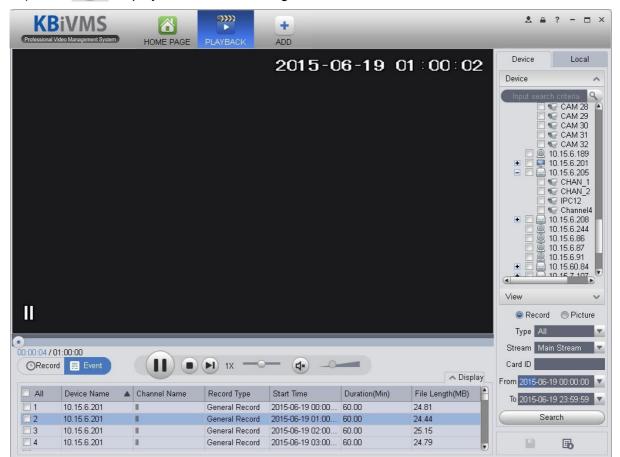


Figure 4-18

12) Select Picture on the right.

13) Configure search time, click Search. System shows snapshot, see Figure 4-18.

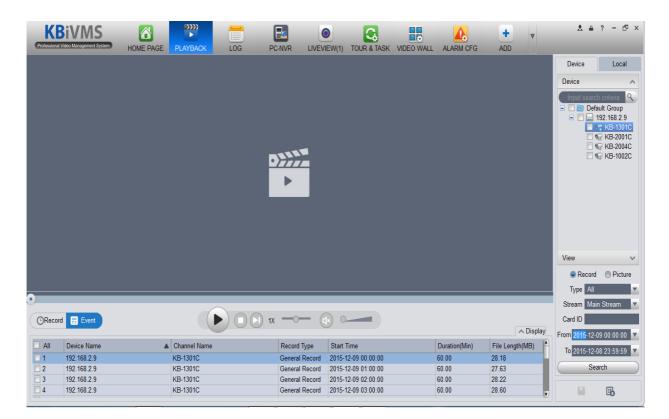


Figure 4-19



You can click to view snapshot.

14) (optional) You also can playback record under View.

a) In Liveview interface, click 🛄 at bottom.

System pops up Figure 4-19.

_	Save View	×
View Name:		
☑.	Add to Tour Task	
	ОК	Cancel

Figure 4-20

- b) Input video name, click OK.
- c) On the right, click View tab, right click newly added view, select Playback.
- d) System auto jumps to playback window, and shows process bar at the bottom.

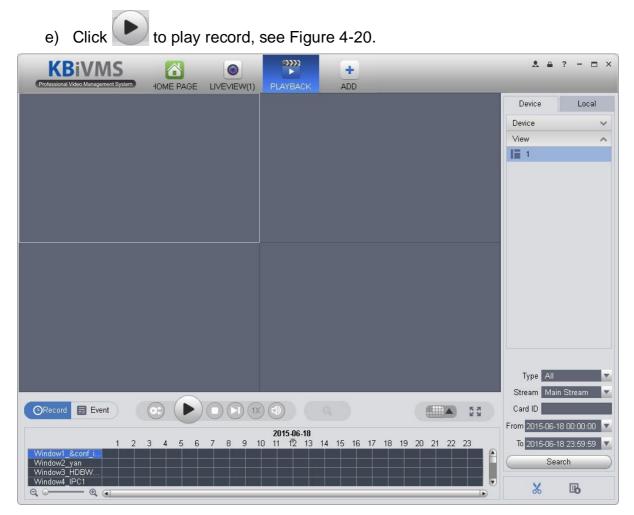
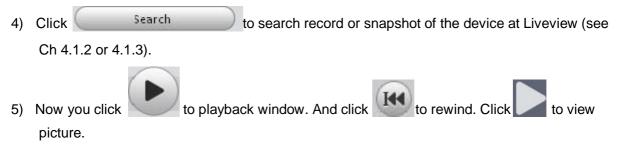


Figure 4-21

## 4.2.2 Playback Local Record

Please follow the steps listed below to search the record you want and then playback.

- 1) In Figure 4-15, click Local button on the right pane.
- 2) Check a channel (or some channels) on the device list on the top right pane.
- 3) Set search for record or picture, and select local record or picture time to search.



## 4.2.3 Export

There are three ways for you to select export records.

 In Device record interface, select periods on the time line and then click to export records.

- In Record event interface, select record type and then click 🛄 to export records.
- In Local record interface, check the records first and then click 🔛 to expoer records.

You can see the export interface is shown as in Figure 4-22. Select the corresponding export path and then click OK button to export.

_	Expo	rtSetup	_	3
Path	ss_Trunk\bi	n\Record\DownL	.oad\ Br	owse
Export Format	ASF		V	
Export Sm	art Player			
	756MB	ОК	200	cel

Figure 4-22

You can click 🚯 to view exporting and exported conditions.

## 4.2.4 Fisheye Playback

You can use fish eye to playback device record and local record.

For example to play local record.

In playback window, click local record tab.

After you search out record, you can select fisheye view to playback the record. See Figure 4-23.

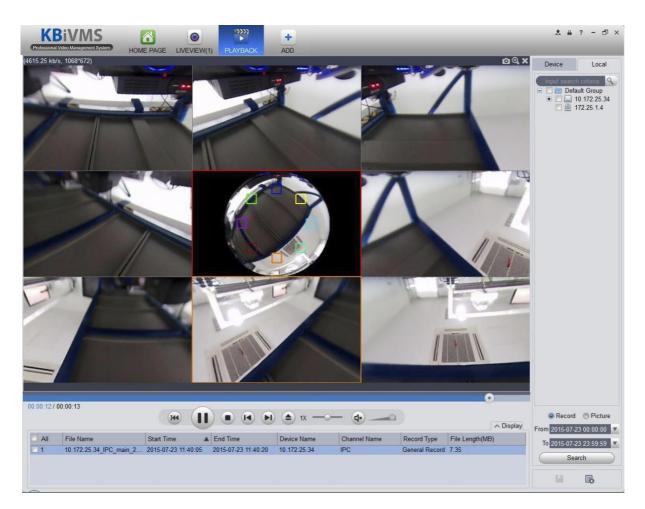


Figure 4-23

# 4.3 Alarm Manager

If you have set an alarm scheme, you can see the corresponding alarm in the Alarm manager interface. You can refer to chapter 3.7.1 to set an alarm scheme first.

Click icon

in the basic pane, you can go to Alarm manager interface. See Figure 4-24.

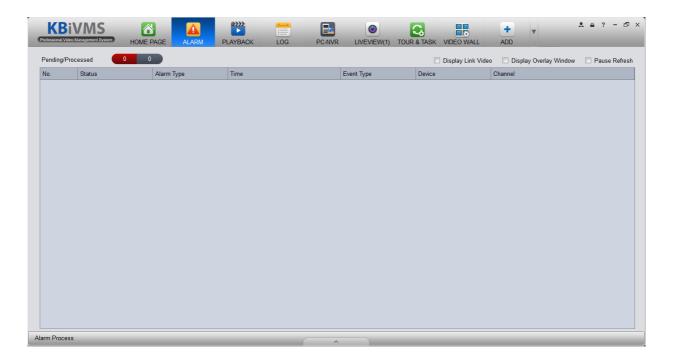


Figure 4-24

If you have set alarm activation video function in your alarm scheme setup (chapter 3.7), you can see system instantly shows video window. See Figure 4-25.

If you check the box at the bottom of the interface to pause refresh, the new alarm info will not be shown in alarm list instantly. Click Alarm Manager at the right bottom of the interface, system goes to the alarm manager interface for you to view the corresponding alarm record.

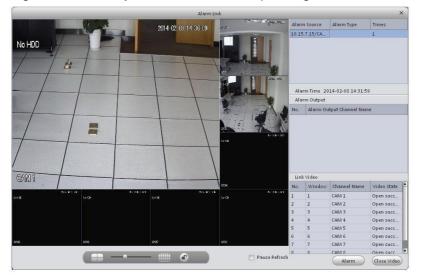


Figure 4-25

# 4.4 Log

Log interface is shown as in Figure 4-26.

C		
-	- 1	
-		in

- 1) In homepage, click \_\_\_\_\_in BASIC area.
- 2) Select Client log and select start time/end time, and select type from the dropdown list. Click Search button, you can see the log information.

St	Log Device Log art Time 2015-12-09 00:00:0	00	<ul> <li>End Time</li> </ul>	2015-12-09 23:59 59
51		0		
	Type All Type	_	Device Name	192.168.2.9 Export
	-			
No.	Time	User Name	Log Type	Note
1	15-12-09 06:25:52	default	Smart Info	Port:1 No.:9VVLNZ7M Modle:ST3500312CS Describe: Smart ID Threshold Value:Worst Status Attribute 188 0
2	15-12-09 06:25:52	default	Smart Info	Port:1 No.:9VVLNZ7M Modle:ST3500312CS Describe: Smart ID Threshold Value:Worst Status Attribute 1 6
3	15-12-09 09:58:33	admin	User logged in	User Name:admin Group:admin
4	15-12-09 09:59:02	admin	Event End	Event Type:Video Loss Channel:<2> End Time:2015-12-09 09:58:02
5	15-12-09 09:59:07	admin	Record Playback	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: admin Channel: 1 File Name: 2015-12-09 09:00:0
6	15-12-09 09:59:07	admin	Record Search	Type: Record Search Type: HardDisk IP Address: Login Local Group: admin User Name: admin Channel:1 Record Type:Regular&& Alarm&
7	15-12-09 09:59:07	admin	Stop	Type: Stop Type: HardDisk IP Address: Login Local Group: admin User Name: admin Channel: 1 File Name: 2015-12-09 09:00:002015-12
8	15-12-09 09:59:51		Record Playback	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: Channel: 1 File Name: 2015-12-09 09:00:0020
9	15-12-09 09:59:51		Record Playback	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: Channel: 1 File Name:2015-12-09 09:00:0020
10	15-12-09 09:59:51		Record Playback	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: Channel: 1 File Name: 2015-12-09 09:00:0020
11	15-12-09 09:59:51		Record Playback	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: Channel: 1 File Name: 2015-12-09 09:00:0020
12	15-12-09 09:59:51			Type: Record Playback Type: HardDisk IP Address; Login Local Group: admin User Name: Channel:1 File Name:2015-12-09 09:00:0020
13	15-12-09 09:59:51		,	Type: Record Playback Type: HardDisk IP Address: Login Local Group: admin User Name: Channel: 1 File Name:2015-12-09 09:00:0020
10	13-12-03 03.33.31		Record Flayback	Type, receive negotive type, nerobise in Address, Login Local Group, admin Oser Hame, Channel, Fried Name, 2013-12-03 03:00.00-20

Figure 4-26

3) Click Search. See Figure 4-25.

	t Time 2015-06-18 00			<ul> <li>End Tin</li> </ul>	ne 2015-06-19 23:59:5	59	V	Search
	Type System	- All		Key Wor		27		Export
	1) [2]						_	
√o.	Time		User Name	Event Type	Device Name	Channel Name	Remarks	
	2015-06-19 10:46:3	14	admin	User Login				

Figure 4-27

- 4) Click Device log tab.
- 5) Select start time/end time, type and device name from the dropdown list.
- 6) Click Search button. See Figure 4-26.

Client	Log Device Log				
St	tart Time 2015-06-19 00:00:0	0	<ul> <li>End Tir</li> </ul>	ne 2015-06-19 23:59:59 💌 💌	Search
	Туре All Туре	_	Device Nar	ne 10.15.1.68	Export
	1100		Denice Har		
No.	Time	▲ User Name	Log Type	Note	
1	2015-06-19 11:04:46	admin	Login	Address : 10.15.2.2	
2	2015-06-19 11:04:51	System	Event Begin	Channel NO. : 1, Event Type : Motion Detect	
3	2015-06-19 11:04:58	admin	Logout	Address : 10.15.2.2	
4	2015-06-19 11:05:03	System	Event End	Channel NO. : 1, Event Type : Motion Detect	
5	2015-06-19 11:06:09	admin	Login	Address : 10.15.65.33	
6	2015-06-19 11:06:19	admin	Logout	Address : 10.15.65.33	
7	2015-06-19 11:06:23	admin	Login	Address : 10.15.65.33	
8	2015-06-19 11:06:59	admin	Logout	Address : 10.15.65.33	
9	2015-06-19 14:00:36	admin	Logout	Address : 10.15.6.82	
10	2015-06-19 14:00:40	admin	Logout	Address : 10.15.6.82	
11	2015-06-19 14:43:44	admin	Login	Address : 10.15.6.82	
12	2015-06-19 14:43:44	admin	Login	Address : 10.15.6.82	
13	2015-06-19 14:57:02	admin	Login	Address : 10.15.6.82	
14	2015-06-19 15:19:48	admin	Login	Address : 10.18.116.106	
				Address : 10.15.6.82	

Figure 4-28

# 4.5 Video Talk

It supports call, live preview, remote unlock and message sending.

Fence station shall be selected as fence station in device type on WEB, and set its own to be Unit 0, Building 0. VTO select its building no. and unit no. according to actual condition on WEB. For example, Unit 1, Building 1. VTO WEB can create room no., VTH config its room no. and corresponding VTO on device local GUI.

Note:

After fence station and VTO web interface are configured, you need to add to KBiVMS Client, please refer to Ch 3.5 for steps to add device.

After device is added, in KBiVMS Client video talk interface, in the device tree on the right, building no., unit no. reported by each device will create device tree. Fence station shoes its own name.

Step 1. Configure.



a) In homepage Basic function area, click

System pops up video talk interface, see Figure 4-29.

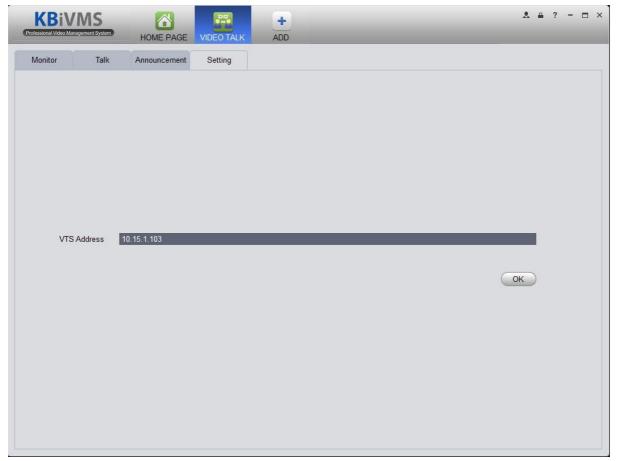


Figure 4-29

- b) Fill in VTS server address, which is the address required to create talk with the device, known as local device address.
- c) Click OK.

Step 2. Monitor.

a) Click Monitor tab.

In Monitor interface, you can unlock, one-way call fence station or VTO and other operations, see Figure 4-30.

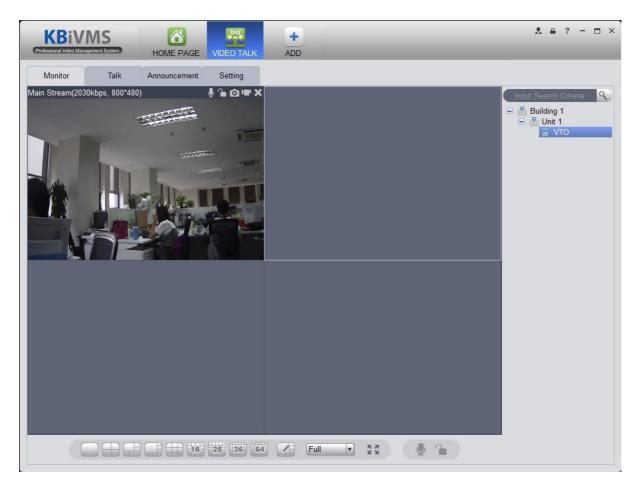


Figure 4-30

b) Click 💁 the window, or 🖳 at lower bottom, or right click to select

All of these allow client to one-way call VTO or fence station, so the VTO or fence station can hear call from client, while the client cannot hear sound from VTO or fence station.

c) Click The window, or the at lower buttom, or right click to select the unlock.

All of these allow client to unlock VTO or fence station.

d) Click , Im in the window, or right click to select snapshot, start record. You can snapshot or record the live preview.

In video window, right click menu includes snapshot, record, switch string type, adjust window scale and etc. Please refer to Ch 4.1.

Step 3. Talk.

a) Click talk tab.

According to fence station or VTO reported building no., unit no. and other VTH info, auto generate contact.

One row below contact is info of fence station or VTO in format of unit, including VTO, VTH, fence station(shown as device name) under this unit.

See Figure 4-31.

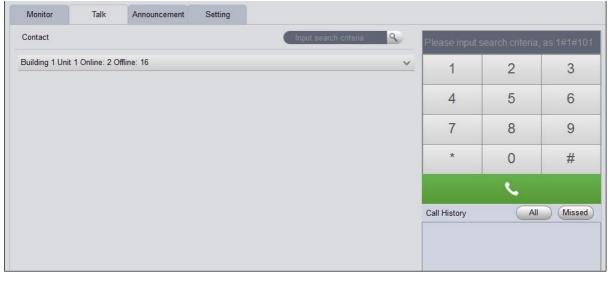


Figure 4-31

b) Click next to each row.

See Figure 4-32.

Monitor	Talk	Announcement	Setting						
Contact				Input sea	irch criteria	9	Please input s	earch criteria	, as 1#1#10
Building 1 Unit	1 Online: 2 C	Offline: 16				^	1	2	3
1-69 1#1	#6901		1-9901 VTH 1#1#9901 name	1-1 1# na	1#101		4	5	6
tel			tel	tel	C		7	8	9
1-10 1#1 nam	#102		1-103 VTH 1#1#103 name		1008 VTH 1#8008 me		*	0	#
tel	<b>C</b>		tel	tel	C		Call History		Missed
1-10 1#1: nam tel	¥104		1-105 VTH 1#1#105 name tel	1.2 1# na tel	1#201				
1-20 1#1: nam tel	¥202		1-203 VTH 1#1#203 name tel	1-2 1# na tel	1#204				

Figure 4-32

- If client needs to call VTO in a certain unit.
  - 1). Click on VTO name card.

Please note, only client can call VTO as an one-way talk. System pops up a box, see Figure 4-33.



Figure 4-33



System pops up dialogue box, click OK.
 You can remotely unlock VTO.

Click	

•

, to stop existing call.

Call window will not close.

ģ

If client needs to call a VTH in a specific room and unit.

1). Click on VTH name card.

Please note client and VTH can talk to each other as a bidirectional talk. System pops up a box, see Figure 4-34.



Figure 4-34

2). When VTH picks up, client can talk with VTH. See Figure 4-35.



Figure 4-35

• If VTH does not answer over 60s, then client pops up a box to ask if you want to dial again.

You can click to re-dial.

- If the VTH is busy or hang up call, client will ask you to try again later.
- · If VTO is calling client.

Client pops up VTO call box, see Figure 4-36.

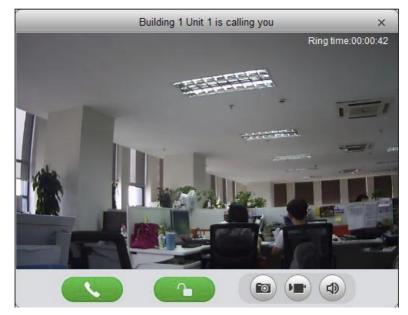


Figure 4-36

You can click

to answer VTO call, and start a bidirectional talk.



· If VTH is calling client.

Client pops up VTH call box, see Figure 4-37.



Figure 4-37

You can click to call VTH.

If there is missed call, in talk interface, in the lower-right, missed calls are shown here. See Figure 4-38.



Figure 4-38

You can view all call histories.

Click sto call missed call.

When you search in

and fuzzy room no. For example, input "1#1#" as to search all devices under unit 1, building 1. If input "1#1#10" as to search all VTHs under room no. 10.

You also can set name and telephone phone number on each device name card and when search, directly input "building no.#unit no.#name keyword" to search.

1	2	3
4	5	6
7	8	9
*	0	#

On the right, you can directly dial to callVTO as a one-way talk, to call VTH as a bidirectional talk.

Step 4. Announcement.

- a) Click announcement tab.
- b) Input title, contents, see Figure 4-39.

KBiV Professional Video Man		HOME PAGE	VIDEO TALK	+ ADD	_	± ≞ ? - □ ×
Monitor	Talk	Announcement	Setting			
New Mes	sage					Input Search Criteria
Title	welcome	_	_	_	Input max of 64 characters	Contraction     Contracti
Text	abcdefgabc	defgabcdefgabcdefga	ibcdefgabcdefgab	sdefgabcdefg		Image: 102         Image: 103         Image: 104         Image: 105         Image: 201         Image: 202         Image: 203         Image: 203         Image: 204         Image: 205         Image: 301         Image: 302         Image: 303         Image: 304         Image: 305
					Input max of 256 characters Clear Send	

Figure 4-39

c) In the device list on the right, check one or more VTHs, click send.

During sending, the send button is grey, and if you want to continue to send announcement, you shall wait until the send button resumes. You can view announcement information on VTH.

# 5. Extension

## 5.1 Video Wall

After you set video wall setup (chapter 3.8), you can output video to the video wall. You can follow the steps listed below to set.

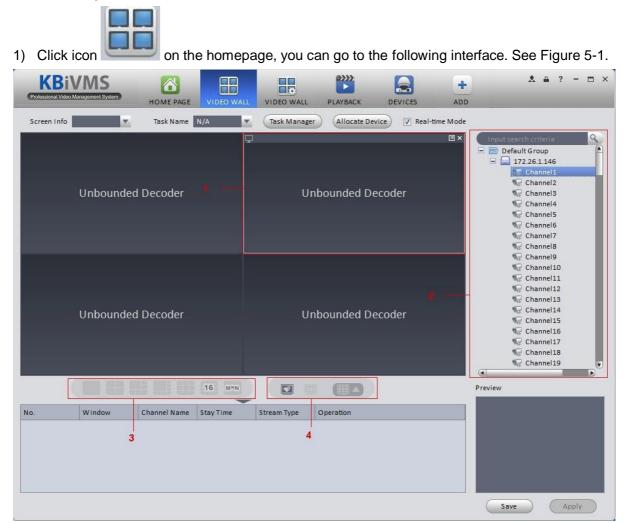


Figure 5-1

SN	Item	Function
1	Video window	Connect to NVD : Video window is fixed, cannot be dragged. Connect to M30 : Video window can be moved, max is 16.
2	Video channel	-

SN	Item	Function					
3	Video open window	Connect to NVD: Select one video window, click to open 1*1, 2*2, 3*3, 4*4 layouts of windows. Connect to M30 : Click open 1*1, 2*2, 3*3, 4*4 or M*N layouts of windows.					
4	Clear screen, open/close window	<ul> <li>Clear all video channels or layouts on screen.</li> <li>Screen on/off setup , to open/close TV wall displsy.</li> <li>Clear screen and open window.</li> </ul>					

- 2) Select corresponding video wall from the screen information dropdown list. You can check to select real-time mode if necessary. Once you enable real-time mode, system automatically output the video to the video wall after you complete the setup. Otherwise, it does not output the video to the video wall.
- 3) Drag the channel on the right pane to the corresponding screen and then binding. You can view details of binding video in Internet Explorer.
  - 1. In IE, enterM30 or NVD device's IP address.
  - 2. Download web service pack.
  - 3. After download is complete, system pops up login interface.
  - 4. Enter username and password, click Login to view details of bound video source. Default username and password is admin/admin.
- 4) Click save as task button, you can see system pops up a dialogue box for you to input task name.
- 5) Please input task name and click Save button.
- 6) Click Output video.

Please note:

- You can select video wall task from the task name dropdown list and then click the Output video button to view the video.
- Click task manager, you can view current task status. Or you can select one task and

click or to modify or delete current task.

#### 5.2 E-map



Click icon on the homepage, you can go to the e-map interface. You can view the device status on the e-map. On the view map interface, you can zoom e-map or open video, but you can not edit it. On the Edit e-map interface, you can edit e-map, add camera and etc.

Note:

If there is no map, you need to click Add Map, and enter map name to add map.

#### 5.2.1 Add E-map

If it is your first time to use e-map, you can see an interface shown as below. See Figure 5-2.

KBiVMS Professional Video Management System	HOME PAGE	E-MAP	+ ADD	_	-	?	 = ×
		No main map,	click Add! 🕂 Add Map				

Figure 5-2

Click Add map button, the interface is shown as in Figure 5-3.

Please input e-map name and then select e-map picture. You can input some reference information if necessary.

Add Map	
Name:	
Picture:	File
Describe:	
	Save Cancel

Figure 5-3

After you added an e-map, the interface is shown as below. See Figure 5-4.

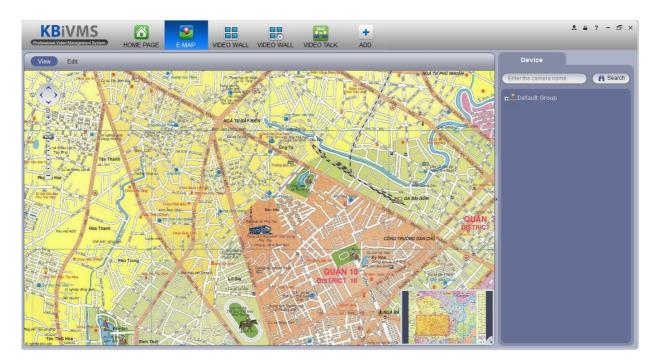


Figure 5-4

### 5.2.2 Edit E-map

Click Edit, you can go to the following interface. See Figure 5-5.Click Tools, you can edit emap, delete e-map, delete device, add area, modify area, delete area and etc. Drag a channel on the right pane to the e-map; you can add it to the e-map.

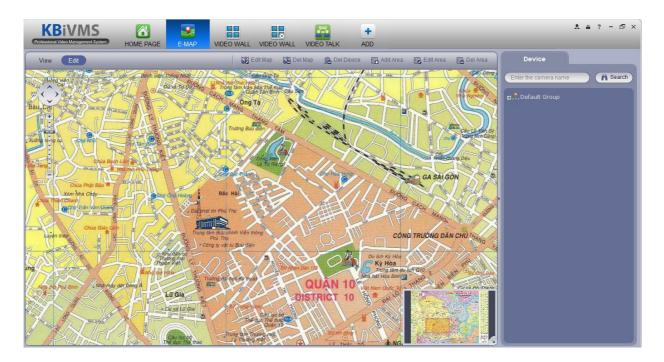


Figure 5-5

Click **Tool** button, you can see a function bar shown as below. See Figure 5-6.

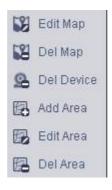


Figure 5-6

Please refer to the following sheet for detailed information.

Item	Function
Modify e-map	It is for you to change e-map name, picture, description
Delete e-map	Delete current e-map.
Delete device	Delete a device from the e-map.
Add area	Add hot zone on the e-map.

ltem	Function
Modify area	Change hot zone map name, picture and description.
Delete area	Delete corresponding hot zone.

### 5.2.3 Liveview E-map

After you edited the e-map, you can click View button to liveview. Buttons at the left top of the interface can zoom in, zoom out or move e-map. Double click a camera on the e-map, you can view video. See Figure 5-7.

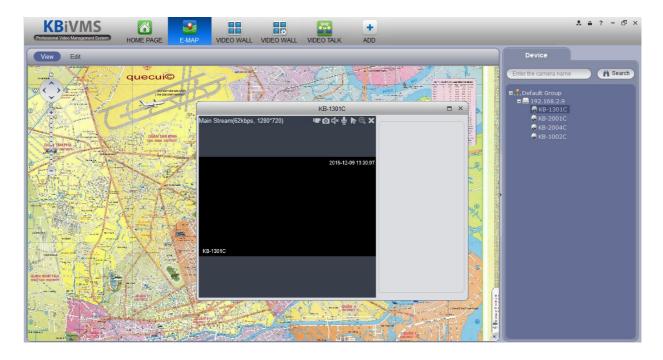


Figure 5-7

## 5.3 Device Display&Control

The device type supports KB7216D series product only. Here is for you to set split mode and display channel.



Click icon you can go to the following interface. Drag a channel on the right pane to the

window to bind.

Click the window display mode setup button at the bottom of the interface; you can see the 128channel of the KB7216D

. In Figure 5-8, you can view the 1-split mode. You can click channel range to select corresponding channel.

001_004	041_044	081_084	121_124
005_008	045_048	085_088	125_128
009_012	049_052	089_092	
013_016	053_056	093_096	
017_020	057_060	097_100	
021_024	061_064	101_104	
025_028	065_068	105_108	
029_032	069_072	109_112	
033_036	073_076	113_116	
037_040	077_080	117_120	

Figure 5-8

Move the mouse to a window, click Me, you can switch between main stream/extra

stream/auto. Click it to cancel binding. Or you can right click mouse to cancel binding or change bit stream type.

#### Note:

- This manual is for reference only. Slight difference may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website or contact your local service engineer for more information.