# **Network Keyboard**

**User Manual** 

### **Preventive and Cautionary Tips**

Before connecting and operating your keyboard, please be advised of the following tips:

- Ensure unit is placed in a well-ventilated, dust-free environment.
- Keep all liquids away from the keyboard.
- Please check the power supply to avoid the damage caused by voltage mismatch.
- Please make sure the keyboard work in the allowed range of temperature and humidity.
- Please keep the device horizontal and avoid the installation under severe vibration environment.
- The dust board will cause a short circuit after damping; please use brush to dedust regularly for the board, connector, chassis fan, etc.

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# **Chapter 1 Introduction**

### 1.1 Overview

PTZKB836 Network Keyboard can be used to control the camera/speed dome, display of decoded video on video wall, control of matrix, as well as support 1 channel of video view at up to 1080P resolution. Designed with touch screen, it is easy to operate and configure settings.

### **1.2** Features

#### Hardware

- 7" TFT touch screen at 800×480 resolution;
- 4-axis joystick;
- Shortcut keys for dome control, setting and calling of preset, patrol and pattern;
- Shortcut keys for playback operation;
- Shortcut keys for input group and output group;
- Shortcut keys for wiper and light control operation.

#### Software

- Administrator and operator user management;
- Support upgrade by U-flash disk;
- Auto searching connected devices in the same network area;
- Support 3 operators, and each user is allowed to operate 1280 devices;
- Import and export of keyboard configuration parameters;
- Macro command operation;
- Storage of record files and captured pictures to U-flash disk or FTP server;
- Play back record files from the U-flash disk;
- Play back the remote record files by time or by file;
- Two-way audio;
- Support configuration by WEB server;
- Support configuration by the Keyboard Configuration Tool;
- Configuration and control of the MVC system;
- Support control of the analog matrix with the protocol of ZT-1.0, ZT-2.0, EXTRON or CREATOR;
- Control of up to 255 analog domes by RS-485 connection;
- Accessible by the platform software.

#### **Decoding Capability**

- Provide 1-ch video decoding and local decoding;
- Support standard MPEG4, private H.264 and standard H.264 encoding formats;
- Decoding at up to 1080P resolution.

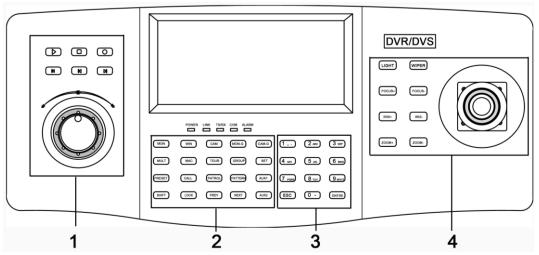
#### **Display of Decoded Video on Monitor**

• Display of decoded camera on selected window;

- Display of decoded camera group on selected window;
- Sequence display of decoded camera group on monitor;
- Sequence display of decoded camera group on monitor group;
- Display of video via MVC on video wall.

# **1.3** Appearance

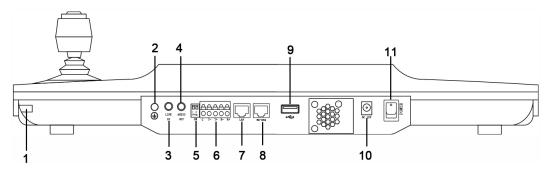
#### Front View:



#### Description of panel:

Serial No.	Description	Serial No.	Description
1	Record playback	2	Functional buttons
3	Numeric buttons	4	PTZ control area

Interface Description:



Serial No.	Description	Serial No.	Description
1	Touch pen	2	GND
3	Line In	4	Audio Out
5	Reserved	6	RS-485 Interface
7	LAN	8	RS-232 Interface
9	USB Interface	10	12 VDC Power Supply
11	Power On/Off		

# **Chapter 2 Operation Guide**

# 2.1 User Account

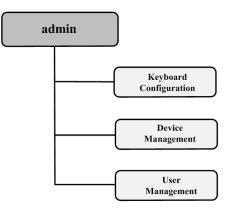
The keyboard user account is classified to two types: the **admin** and the **operator**.

The **admin** user is authorized with the following operation permissions:

- 1. Add a maximum of 3 operators;
- 2. Configure the keyboard parameters;
- 3. Add, edit and delete device;
- 4. Add, edit and delete user, as well as assign device for the user;

The **operator** user is allowed to operate the assigned device only;

Up to 1280 devices can be assigned for each operator.



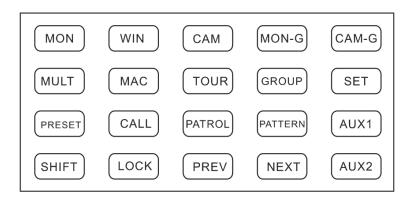
## 2.2 Indicators & Buttons



**LED Indicators on Panel:** 

LED Indicator	Description		
POWER	Normally lights when the keyboard is powered on.		
LINK	Lights when the keyboard is connected with the		
	network.		
Tx/Rx	Flickers when the keyboard is transmitting/receiving		
	data.		
сом	Reserved		
ALARM	Reserved		

#### **Functional Buttons:**



MON	WIN	САМ	MON-G	CAM-G
Select monitor	Select window	Select camera	Select monitor group	Select camera group
MULT	MAC	TOUR	GROUP	SET
Multi-division	Call	Set or call tour	Set or call group	Set mode
PRESET	CALL	PATROL	PATTERN	AUX1
Set preset	Call preset	Set or call patrol	Set or call pattern	AUX 1
SHIFT	LOCK	PREV	NEXT	AUX2
Shift	Lock screen	Previous camera	Next camera	AUX2

#### LOCK Button:

The *LOCK* button on the keyboard is used to lock the keyboard and mouse operation. After being locked, it is unallowable to operate all keys (except *LOCK* and *SHIFT*), joystick, mouse and the touch screen.

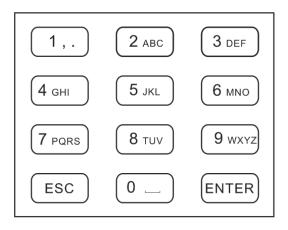
In the any interface or operation status, you can press and hold the *LOCK* key or press the *SHIFT* + *LOCK* keys to lock the keyboard operation.

In the lock status, you can press and hold the *LOCK* key or press the *SHIFT* + *LOCK* keys to unlock the keyboard operation.

*Note:* The keys will be locked as well when the screen is automatically locked.

#### **Numeric Buttons:**

The numeric buttons are used to input numerals.

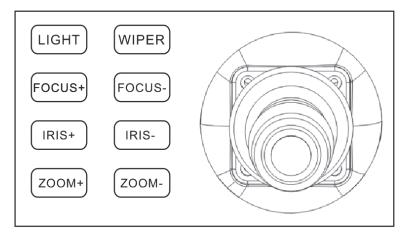


#### 4-axis Joystick:

Use the joystick to realize pan and tilt movement at 8 directions.

The 4-axis joystick can be used to control the zoom; and the central button used as Enter button and to realize picture capture as well.

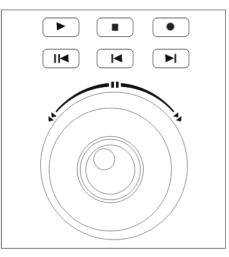
*Note:* The captured pictures can be saved in U-flash disk or uploaded to the FTP server.



#### **Playback Control:**

Rotate the outer ring of shutter in clockwise direction to increase speed, and up to 16X playing speed can be achieved. Rotate the outer ring of shutter in anti-clockwise direction to decrease speed, and 1/16X playing speed can be achieved.

In playback by file, rotate the inner ring of shutter to play the previous/next file.



Backward 5min	Stop	Record
Play/Pause	Previous File	Next File

# 2.3 Button Operation

## 2.3.1 Operating Video Wall Display

Button	Description	Example
MON	Num+MON: select the video output channel to	Press the 2+MON buttons to select the monitor
	be displayed on the video wall.	2.
	Note: When the Num=0, the system enters the	
	local live view mode.	
MULT	Num+MULT: select different multi-division	Press the 2+MON+4+MULT buttons to configure
	display modes for the selected output channel.	4-division display for the monitor 2.
WIN	<i>Num+MON+Num+WIN+Num+CAM:</i> the video	Press the 2+MON+3+WIN buttons to select the
	signal from the camera group can be outputted	window 3 of the monitor 2.
	to and displayed on the selected window of	
	monitor in cycle.	
САМ	<i>Num+CAM:</i> select the video input.	Press the 2+MON+3+WIN+5+CAM buttons to
		display the video input 5 on the window 3 of
		monitor 2.
MON-G	<i>Num+MON-G:</i> select the monitor group.	Press the 1+MON-G buttons to select the
		monitor group 1.
CAM-G	<i>Num+CAM-G:</i> select the camera group.	Press the 1+MON+1+CAM-G buttons to select
		the camera group 1 to be displayed on the
		monitor 1.
SET	SET+Num+TOUR/GROUP/PATROL/PATTERN: set	Press the SET+1+PATTERN buttons to set the
	the tour, group, patrol and pattern.	pattern 1.
TOUR	SET+Num+TOUR: set the tour.	Press the SET+1+TOUR buttons to set the tour 1.
	Num+TOUR: call the defined tour.	Press the 1+TOUR buttons to call the pre-defined
		tour 1.
GROUP	SET+Num+GROUP: set the group.	Press the SET+1+GROUP buttons to set the group
	Num+GROUP: call the defined group.	1.
		Press the 1+GROUP buttons to call the defined
		group 1.

### 2.3.2 PTZ Control Buttons

Button	Description	Example
PRESET	Num+PRESET: move the pan/tilt/zoom to the	Press the 1+PRESET buttons to set the preset 1.
	desired position, and then press the	
	Num+PRESET buttons to set the preset.	
CALL	Num+CALL: call the defined preset.	Press the 1+CALL buttons to call the preset 1.
PATROL	SET+Num+PATROL: set the patrol.	Press the SET+1+PATROL buttons to set the
	Num+PATROL: set the defined patrol.	patrol 1.
		Press the 1+PATROL buttons to call the patrol 1.
PATTERN	Num+PATTERN:	Press the SET+1+PATTERN buttons to set the
		pattern 1.
		Press the 1+PATTERN buttons to call the pattern
		1.

### 2.3.3 Other Buttons

Button	Description	Example
MAC	Num+MAC: call the MAC command.	Press the 1+MAC buttons to call the MAC
		command 1.
SHIFT	SHIFT+LOCK: lock/unlock the system.	Press the SHIFT+LOCK buttons to lock/unlock the
		system.
LOCK	Lock/unlock the system.	Press and hold the LOCK button or press the
		SHIFT+LOCK buttons to lock/unlock the system.
PREV	Select the previous camera for live view on	
	keyboard or on TV wall.	
NEXT	Select the next camera for live view on keyboard	
	or on TV wall.	
AUX1	Press the AUX1 button to realize its defined	
	function (two-way audio, picture capture or vide	
	wall/scene switch).	
AUX2	Press the AUX2 button to realize its defined	
	function (two-way audio, picture capture or vide	
	wall/scene switch).	

# 2.4 Input Method Shift

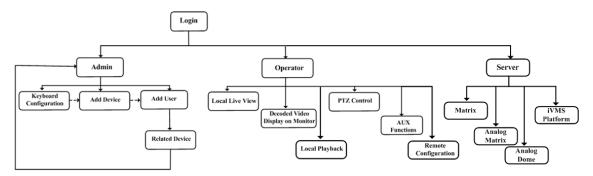
Click the tab on the soft keyboard to enter the interface for inputting the English letters, and the can be used to switch the uppercase/lowercase.

													ab	IC					
1	1		2	1	3		4		5	6	5	7	7	1	8	(applied)	9	0	and the second
C	5	V	V	E		F	2	٦	r	,	(	ι	J		I	(	С	Р	1
	A		S		C	2	F		6	;	H	1	J		k	(	I	-	
		,	Z		×		C		1	1	E	3	Ν	1	N	1	E	3	
	a _																		

Click the tab on the soft keyboard to enter the interface for inputting the numerals.

X		123		
1	2	I	3	
4	5	6		
7	8	1	9	
	0		8	
	<u> </u>			

# 2.5 Basic Operation Procedure



**Admin:** For the first time to operate the keyboard, you should configure the keyboard parameters in Keyboard Configuration menu, add device and operator, and then link the added device to assigned operator.

**Operator:** The operator is allowed to operate local live view, remote configuration of encoder/decoder parameters, display of decoded video on monitor, local playback, PTZ control, AUX functions, etc.

Server: Control the matrix system, analog matrix, analog dome and iVMS platform.

# 2.6 Quick Configuration Guide

#### Steps:

1. When the keyboard has started up, it enters the following interface:

	Rey.	board	
9			
board	k	Server	
	9	9	board Server

2. For basic keyboard operation, select the Keyboard icon to continue and enter the login interface.

User Lo	ogin
User Name Password	admin
Remember Password	✓
Login	Exit

3. Select **admin** on the login interface and then input the admin password (default: 12345) to enter the admin interface of keyboard operation.



Click Keyboard > Network to enter the Network Settings interface.
 Configure the network settings of the keyboard, including the Port, IP address, Subnet Mask, Default Gateway, Preferred DNS and Alternate DNS. Click Apply to save the settings.

	Keyboard Network Settings	
Version	DHCP:	
Network	Port: 8000	
	IP Address: 172 . 6 . 23 . 190	
Hardware	Subnet Mask: 255 . 255 . 255 . 0	
Time	Default Gateway: 172 . 6 . 23 . 1	
Language	Perferred DNS Server:	
Calibration	Alternate DNS Server:	
Calibration	MAC Address: 00:40:30:11:11:fd	
Upgrade	Apply	
Logout		eturn

- 5. Click **Return** to back to the main interface.
- 6. Click **Device** on the **admin** main interface to enter the device management menu.
- Click Add Device to enter the Device-Add Device interface. Input the device name, device IP/domain name, port, user name and password, and then click Add to add the device.

Devi	ce Add Device	
Device Name: IP/Domain:		
Port:	8000	
User Name:	admin	
Password:		
	Add Cancel	

8. Return to the **Device-Device List** interface, and the successfully added device is shown on the list. Click **Return** to back to the main interface.

Auto Search	Device ·	Device L	.ist		Add Device
Device Type	Device Name	IP/Domai	n	Port	Status Edit
Unknown		172.6.23.	61	8000	Offline 📝
DVR		172.9.16.	105	8000	Online 📝
DEC	6408hd-t	172.6.22.	190	8000	Online 📝
IP Camera	ipdome	172.6.21.	164	8000	Online 📝
Unknown		172.6.22.	119	8000	Offline 📝
	<b>D</b> 1/1			- (	
Total 5 items	Page 1/1	M	<	N TO	
Logout		k	De	lete	Return

9. Click **User** on the main interface to enter the **User-User List** interface.

	Add User			
User Name	Device	Edit	Login	Delete
admin		<b>1</b>		
op1			2	<b>T</b>
Logout			k	Return

10. In the User List interface, click **Add User** to enter the **Add User** interface. Input the user name, password and verify the password. Finally, click **Add** to finish the adding of user.

Us	ser Add User
User Name :	01
Password:	*****
Confirm:	*****
	Add Cancel
ł	

11. Return to the User List interface, and click of the selected user to enter the User-Device interface.

User Device							
01	· · · · · · · · · · · · · · · · · · ·			Add Dev	vice		
Device Type	Device Name	IP Address	Port 8	Status De	lete		
Total 0 items	Page 1/1		ы То	<b>∢</b> 1 ▶ P	+		
Logout				Retur	n		

12. Click Add Device to enter the User-Add Device interface. Select the device by clicking the checkbox, and click Add to add the device for the current user.

$\bigcap$	User Add Device						
	Device Type	Device Name	IP Address	Port	Status		
	Unknown		172.6.23.61	8000	Offline		
~	DVR		172.9.16.105	8000	Online		
~	DEC	6408hd-t	172.6.22.190	8000	Online		
-	IP Camera	ipdome	172.6.21.164	8000	Online		
	Unknown		172.6.22.119	8000	Offline		
	4						
Tot	tal 5 items	Page 1/1	H	To 🚺	▶P ⇒		
	Add				Exit		

- 13. The added device (s) for the current user can be displayed on the User List interface.
- 14. You can directly click the *log* (Login) icon of a user to switch its operating interface.
  Or you can click Logout on the admin main interface, the message box "Logout Now?" will pop up. Click Yes to confirm the logout, or No to cancel the operation.

	Add User			
User Name	Device	Modify	Login	Delete
admin		<b>*</b>		
01	<b>.</b>	±\$		<b>1</b>
02				Û
03 🛋		<b>=</b> <i>y</i> /		<b></b>
Logout				Return

# 2.7 Quick Operation

#### **Multi-division Display**

The *Operator* user is allowed to select different multi-division display modes for the selected output channel. Currently, 1/4/9/16-division display modes are configurable.

#### Steps:

- 1. Press the Num + MON keys to select the monitor.
- 2. Press the Num + MULT keys to select the multi-division display mode for the output channel.

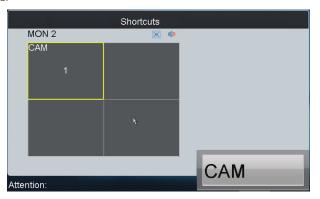


#### **Display of Decoded Video on Monitor**

Steps:

- 1. Press the *Num + MON* keys to select the monitor.
- Press the Num + WIN keys to select the display window on the monitor.
   You can also directly touch the screen to select the display window.
- 3. Press the Num + CAM keys to select the input camera.

Example: You can press the "1+MON, 2+WIN, 3+CAM" keys to decode the video signal from camera 3 and display it on window 2 of monitor 1.



# Chapter 3 Local Keyboard Configuration by Admin

You can configure the keyboard by locally, WEB page or by the configuration tool. This chapter introduces the local keyboard configuration.

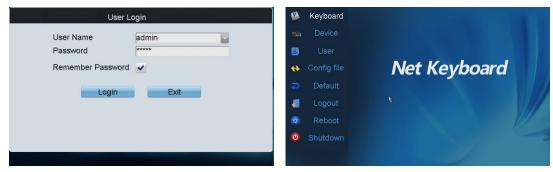
# 3.1 Login

#### Steps:

1. Click the Keyboard icon on the startup interface.

	Net
	2
Keyboard Server	Keyboard

- 2. Select admin on the login interface and then input the admin password (default: 12345).
- 3. You can check the checkbox of Remember Password to save the login password for future use.
- 4. Click **Login** to enter the main interface of *admin*.



### 3.2 Keyboard Management

On the main interface of *admin*, click the **Keyboard** on the left navigation bar to enter the Keyboard Management interface. In the Keyboard Management interface, you can view the device version information, configure network parameters, configure hardware settings, adjust time, select language, screen calibration and upgrade system.

### 3.2.1 Viewing Version Information

Click Version to enter the Keyboard-Version interface to view the current version information of the keyboard.



### 3.2.2 Configuring Network Settings

Configure the network settings of the keyboard, including the **Port**, **IP** address, Subnet Mask, Default Gateway, **Preferred DNS** and **Alternate DNS**. Click **Apply** to save the settings.

*Note:* Make sure the DHCP is supported by the router before enabling the function.

	Keyboard N	etwork Settings	
Version	DHCP:		
Network	Port:	8000	
Network	IP Address:	172 . 6 . 23 . 190	
Hardware	Subnet Mask:	255 . 255 . 255 . 0	
Time	Default Gateway:	172 . 6 . 23 . 1	
Language	Perferred DNS Server	r:[	
Calibration	Alternate DNS Server		
Calibration	MAC Address:	00:40:30:11:11:fd	
Upgrade		Apply	
Logout		Return	

### 3.2.3 Configuring Hardware Settings

**Sound Effect/Alarm Sound/Key Light**: Click the corresponding checkbox to solution to enable the function, or remain it as to disable the function.

**Keyboard Lock Delay, Screen Off Delay**: Use the  $\blacktriangleleft$  or  $\triangleright$  to decrease or increase the key lock timeout and the screen-close timeout, with the range of 0~10 minute (s) configurable. When the value is set to 0, the key and screen will be unlocked.

Background Contrast: Click is to select the value from the drop-down menu, with the 3: 1, 1: 1, 1: 3 and

non-transparent optional.

*Note:* The Background Contrast refers to the contrast of the local decoded video and menu, and is valid only for the local live view.

Mouse Speed: Select the mouse speed to level 0~3.

Screen Brightness: Select the screen brightness to level 0~4.

#### Click Apply to save the settings.

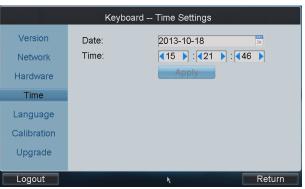
	Keyboard Hardware Settings
Version	Sound Effect:
h la facara da	Alarm Sound:
Network	Key Light:
Hardware	Keyboard Lock Delay: <10 <p>Minute(s)</p>
Time	Screen Off Delay: <a>410</a> Minute(s)
Language	Background Contrast: Non-Transparent
	Mouse Speed:
Calibration	Screen Brightness:
Upgrade	Apply
Logout	Return

### 3.2.4 Configuring Time Settings

Date: Click to select the date from the calendar.

Time: Click ◀ or ▶ to decrease or increase the time value.

Click Apply to save the settings.



### 3.2.5 Selecting Language

Language: Click i to select English as the system language.

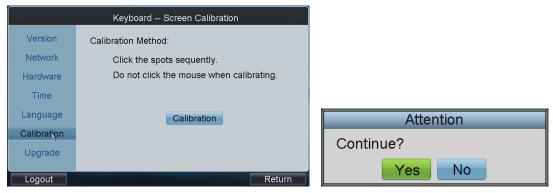
Click Apply to save the setting.

Keyboard Language Settings					
Version	Language:	English	~		
Network	0.0	Apply	_		
Hardware					
Time					
Language					
Calibration		<u>`</u>			
Upgrade		ž			
Logout			Return		

### 3.2.6 Calibrating Screen

In order to use the touch screen correctly, it needs to calibrate the screen positioning properly. *Steps:* 

- 1. Click Calibration to start the calibration of touch screen positioning.
- 2. The system will pop up the Hint message box. Click Yes to continue the calibration.



- 3. Use the touch pen to click the three spots marked as "+" by following the hints.
- 4. The system will pop up the hint "Screen Calibration completed", click **OK** to finish the operation.

+		
ł		Attention
	+	Continue?

### 3.2.7 Upgrading Device

#### Upgrade by FTP

1. Input the address of the FTP server and then click **FTP Upgrade** to operate the upgrade.

*Note:* You must create the FTP server connection first by TFTP or WFTP in PC before operating the FTP upgrade. Please refer to *Appendix2* for the upgrading.



2. If the upgrading is failed, the corresponding error message box will pop up.



Note: When the upgrading is successful, the keyboard will restart automatically to complete the upgrade.

#### Upgrade by USB-flash Disk

Steps:

- 1. Insert the U flash disk to the USB interface and then click USB Upgrade to enter the USB upgrade interface.
- 2. Select the upgrade file from the disk and finally click **Upgrade** to start upgrading.

*Note:* The upgrade file must be *digicap.dav*.

Keyboard USB Upgrade						
Refresh USB1-	1	Upgrade				
File Name	Size Type	Edit Date				
com.edwardkim.a	840KB File	2013-10-12 11:40:40				
📄 digicap.dav	k 9,379KB File	2013-10-25 18:37:46				
📄 files-1.pdf	18,318KB File	2013-09-10 10:32:32				
📄 files.pdf	3,885KB File	2013-09-10 10:31:30				
iVMS-5060_V3.2.1	15, 129KB File	2013-09-23 22:25:32 🗧				
PBMPtoJPG.zip	385KB File	2013-09-12 11:12:12				
software guide.pd	11,641KB File	2013-09-12 11:25:42				
		_				
Logout		Return				

3. If the upgrading is failed, the corresponding error message box will pop up.

Note: When the upgrading is successful, the keyboard will restart automatically to complete the upgrade.

# 3.3 Device Management

Click Device on the admin main interface to enter the Device-Device List interface.

Auto Search	Device -	- Device L	₋ist		Add Device
Device Type	Device Name	IP/Domai	in	Port	Status Edit
Unknown		172.6.23.	61	8000	Offline 📝
DVR		172.9.16.	105	8000	Online 📝
DEC	6408hd-t	172.6.22.	190	8000	Online 📝
IP Camera	ipdome	172.6.21.	164	8000	Online 📝
Unknown		172.6.22.	119	8000	Offline 📝
Total 5 items				То	
Total 5 items	Page 1/1	M	<	N TO	<1 ▶P ⇒
Logout		k	De	lete	Return

### 3.3.1 Adding a Device

Task1: Add Device by Auto Searching *Steps:* 

1. Click Auto Search button at the upper left corner to enter the Device-Auto Search interface.

*Note:* Only the device that is in the same network segment with the keyboard can be searched out by the keyboard.

		Dev	ice A	uto Se	arch			
User Name	admin			Pass	word:	**		
Devi	ce Serial	No.	IP Add	Iress		Port	Status	
DS-20	D4232FV	VD-IS201	172.6.	23.6		8000	🕕 Not Ad	dded
DS-20	D4024F-	A2013082	172.6.	23.136		8000	🕴 Failed	
DS-71	08HVI-SL	.0820131(	172.6.	23.71		8000	Addec	1
Total 3 iter	ne	Page 1	/1	14	< •	ы То	1 P	-
	115	Fage I.	/ 1	Id	• •			
Add							Exit	

- 2. After the searching is completed, all devices searched out and their information will be displayed in the list below. Select the device from the list, and then input the login user name and password.
- 3. Click Add to add it to the system.

*Note:* You can also select multiple devices to be added at a time if they have the same login user name and password by checking the checkboxes in front of them.

**Status:** In the status bar, the icon 0 indicates the device is not added, 2 indicates the device is failed to be added, and the 2 indicates the device is successfully added.

4. After having added the devices, click **Exit** to return to the **Device-Device List** interface, where you can view the information of added devices.

#### Task2: Add Device by Manually

Add Device: Click Add Device to enter the Add Device interface. Input the device name, device IP, port, user name and password, and then click Add to add the device.

If the input message is incorrect or the device is offline, the message box "Adding Device failed" will pop up.

Device Add Device	
Device Name:	
Port: 8000	
User Name: admin	Attention
Password:	
Add Cancel	Adding device failed.
	OK

### 3.3.2 Editing/Deleting Device

#### Edit Device

On the Device-Device List interface, click 📝 of the device from the list to be edited and enter the Device-Edit

**Device** interface. You are allowed to edit the device name, port, user name and password. Finally, click **Edit** to edit the device information.

Note: The user name and password here refer to that are used for to log in the device from keyboard.

Device Edit Device						
6408hd-t						
0408110-L						
172.6.22.190						
8000						
8000						
admin						
Edit Cancel						

#### **Delete Device**

On the **Device-Device List** interface, select the device from the list to be deleted, and click **Delete** to delete it. In the pop-up message box, click **Yes** to finish the deletion.

Attention				
Delete the selected device(s)?				
Yes No				

# 3.4 User Management

Click User on the admin main interface to enter the User-User List interface.

	Add User			
User Name	Device	Edit	Login	Delete
admin				
op1		<u>س</u>		<b>1</b>
Logout			k	Return

### 3.4.1 Adding an User

Steps:

1. Click Add User to enter the User-User List interface.

U	ser Add User
User Name :	01
Password :	*****
Confirm:	*****
	Add Cancel
4	

2. Input the user name, password and verify the password.

3. Click Add to finish the adding of user.

### 3.4.2 Setting the Related Device

#### Purpose:

To the added operators, they do not have the permission of adding devices. Perform the following procedures to relate devices to the operators.

Steps:

1. In the User-User List interface, click so enter the User-Device interface.

	Us	er User l	_ist	Add User		User	Device			
User Name	Device	Edit	Login	Delete	01				Ac	ld Device
admin		-1			Device Type	Device Name	IP Address	Port	Status	Delete
op1		±₽		<b></b>	·					
01				<b>1</b>						
					Total 0 items	Page 1/	I 14	< ► ₩	To 1	P
	_									
Logout			k	Return	Logout					Return

Click Add Device to enter the User-Add Device interface. Select the device by clicking the checkbox, and click
 Add to add the device for the current user.

User Add Device								
Device Type	Device Nan	ne IP Address	Port	Status				
DVR	Embedded	Ne172.6.23.196	8000	Online				
Total 1 items	Page 1/1		To <mark>&lt;</mark> 1	P ⇒				
Add				Exit				

3. The successfully added device is listed on the User-Device interface.

User Device								
Operator:	01			Add	Device			
Device Type	Device Name	IP Address	Port	Status	Delete			
DVR	7308HF	172.10.26.25	8000	Online	Û			
DVR	Embedded Net E	172.6.23.196	8000	Online	Û			
IPC	IP CAMERA	172.6.23.136	8000	Online	<b>t</b>			
Tatal O Hama	Dawa 444		Ŧ	- 44				
Total 3 items	Page 1/1	4 4	⊩ н Т		▶ P ⇒			
Logout				R	eturn			

4. After having configured the above settings, click **Logout** on the admin main interface, the message box "Logout Now?" will pop up. Click **Yes** to confirm the logout, or **No** to cancel the operation.

**Deleting a Device** 

Enter the User-Device interface, you can select the device from the list and click 🗰 to delete the related device

for the current user. In the pop-up message box, click Yes to confirm the deletion.

#### **Operator** User Login

On the **User-User List** interface, you can click interface. (Login Operator) to directly switch to the *Operator* user login interface.

	Us	er User L	₋ist	Add User
User Name	Device	Edit	Login	Delete
admin		-ø		
op1		<b>.</b>		<b>.</b>
01		×9		<b></b>

### 3.4.3 Editing User Password/Deleting User

Edit User Password: On the User-User List interface, you can click is to change of password of the selected user.

User Change Password	
New Password: ***** Confirm: OK Cancel	

**Delete User:** Click 💼 to delete the selected user.

### 3.4.4 Importing/Exporting Configuration File

#### Purpose:

The configuration files of the device can be exported to local device for backup; and the configuration files of one device can be imported to multiple device devices if they are to be configured with the same parameters.

Click **Config file** on the **admin** main interface to enter the file Export/Import Configuration interface.

Import/Export Configuration File						
Refresh	USB1-1		<b>F</b>	Free Spa	ace: 6.81G	В
File Name		Size	Туре	Edite	ed Date	
📑			Folder	2013	-10-28 10:8	58:48
			¥			
		Dalata				
New Folde	er	Delete	Impo	π	Export	
Logout					Re	eturn

#### **Importing Configuration File**

- 1. Insert the U-flash disk to the USB interface on the keyboard.
- 2. Enter the disk to select a file.
- **3.** Click **Import** to import the configuration file.

Import/Export Configuration File						
Refresh USB1-	·1	Fre	ee Space: 6.81GB			
File Name	Size	Туре	Edited Date			
- 📑		Folder	2013-10-28 10:59:3	39		
📄 kbCfg.bin 🖕	1,430KE	3 File	2013-10-28 10:59:3	39		
New Folder	Delete	Import	Export			
Logout			Retur	'n		

#### **Exporting Configuration File**

- **1.** Insert the U flash disk to the USB interface on the keyboard.
- 2. Click **Export** to export the configuration file named in *kbCfg.bin*.

Export/Import Configuration								
Refresh USB1-	1	F 💽	Free Space: 454MB					
File Name	Size	Туре	Modified Date					
- 🚉		Folder	1970-01-01 00:00:00					
📄 digicap.mav	15,968KB	File	2011-10-08 18:59:28					
📄 kbCfg.bin	1,729KB	File	2011-10-25 15:00:28					
New Folder	Delete	Impo	rt Export					
Logout			Return					

If the imported configuration file is not correct, the message box "Importing file failed: file type mismatched" will pop up.

# 3.5 Default

#### Purpose:

There are two types of restoring default supported: Simple and Complete.

- Simple: Remain the password of admin and network parameters, and restore other parameters to default.
- **Complete:** Restore all the parameters of the keyboard to default.

#### Steps:

1. Click Default on the admin main interface. And select default type in the pop-up box.



2. Click Yes to continue the operation, or No to cancel the operation.

# 3.6 Logout

Click **Logout** on the **admin** main interface, and the message box "Logout now?" pops up. Click **Yes** to confirm the logout, or **No** to cancel the operation. After logout, the system will return to the User Login interface.

## 3.7 Reboot

Click **Reboot** on the **admin** main interface, the message box "Reboot now?" will pop up. Click **Yes** to confirm the reboot, or **No** to cancel the operation.

# 3.8 Shutdown

Click **Shutdown** on the **admin** main interface, the message box "Shut down now?" will pop up. Click **Yes** to confirm the shutdown, or **No** to cancel the operation.

# Chapter 4 Local Keyboard Configuration by Operator

#### Steps:

- 1. On the User Login interface, select the user name (operator) and enter password.
- 2. If needed, check the checkbox of Remember Password to save the login password for future use.
- 3. Click Login to enter the operator main interface.

User Lo	gin
User Name Password	01
Remember Password	~
Login	Exit

4. Enter the main interface.



Click the **Device List** on the main interface to enter the Device List interface.

The list will display all devices which can be controlled by the current login user.

k	Dev	vice List						
Device Type	Device Name	IP Addres	s	Po	rt	Status	Con	fig
Unknown		172.6.23.	61	80	00	Offline	6	
Unknown		172.9.16.	105	80	00	Offline		
DEC	Embedded mu	172.6.22.	190	80	00	Online		
IP Camera	ipdome	172.6.21.	164	80	00	Online		
Unknown		172.6.22.	119	80	00	Offline		
						-		
Total 5 items	Page 1	/1		• •	M	To <1	P	+
Logout							Return	

# 4.1 Encoder Settings

Click Solution of an encoder on the **Device List** interface and enter its remote settings interface. You can configure the settings for network, RS-232/RS-485 serial port, camera, alarm, exception, stream media, etc.

k	Dev	rice List				
Device Type	Device Name	IP Addres	s	Port	Status	Config
Unknown		172.6.23.6	51	8000	Offline	<b>\$</b>
Unknown		172.9.16.1	105	8000	Offline	6
DEC	Embedded mu	172.6.22.1	190	8000	Online	
IP Camera	ipdome	172.6.21.1	164	8000	Online	
Unknown		172.6.22.1	119	8000	Offline	
Total 5 items	Page 1	/1	<b>I A</b>	• •	To <1	▶ P ⇒
Logout					F	Return

### 4.1.1 Network Settings

Click Network on the remote settings interface to enter the Network Settings interface.

Network Settings				
Network				
Serial	General Settings	Set		
Camera	PPPoE	Set		
Alarm	DDNS	Set		
Exception	NTP	Set		
Maintenance	Network Disk	Set		
Reboot				
Stream Media		¥		
Logout			Return	

You can enter the following settings interface to configure the network parameters:

**General Settings**: Configure the NIC type, IP address, port, gateway, subnet mask, MAC address,-DNS server address, and HTTP port of the current encoder device.

PPPoE: Configure the user name and password of PPPoE settings.

**DDNS**: Enable DDNS, select the protocol type to IPServer, DynDns, PeanutHull or NO-IP, and configure the corresponding settings.

NTP: Configure NTP settings to synchronize the time of device to the selected time zone.

Network Disk: Set the IP address, file path and type of the network disk to use.

### 4.1.2 Serial Port Settings

Click Serial on the remote settings interface to enter the Serial Settings interface.

c				
	Serial	Port Settings		
Network				
Serial				
Camera	RS232	S	et	
Alarm				
Exception	RS485	S	et	
Maintenance				
Reboot			7	
Stream Media				
Logout				Return

You can set the RS232 port and RS485 parameters.

Baudrate       9600       Channel No.       Channel 1         Data Bit       8       Baudrate       9600       Data         Stop Bit       1       Data Bit       8       Data Bit         Parity       None       Data       Baudrate       9600       Data         Flow Control       None       Parity       None       Parity       None       Data         Usage       Transparent Channel       Decoder Type       PELCO-D       Decoder Address       0	RS232 Settings	RS485	5 Settings	
Usage Transparent Channel  Decoder Type PELCO-D	Baudrate 9600 Data Bit 8 Stop Bit 1	Channel No. Baudrate Data Bit Stop Bit	Channel 1 9600 0 8 0 1 0	
Apply Cancel Apply Cancel	Usage Transparent Channel	Decoder Type Decoder Address	PELCO-D	

### 4.1.3 Camera Settings

Click Camera on the remote settings interface to enter the Camera Settings interface.

You can configure the video display, video parameters, record settings, motion detection, video loss detection, tampering alarm, privacy mask, and IPC management (for hybrid DVR and NVR only).



#### **Configuring Video Display**

On the **Video Display** interface, you can select the camera name for configuration, edit the camera name, select display or not display of the name/date /week, set the date/time format and OSD display. You can also copy the current settings to other camera (s).

с	SD Settings	
Camera	Channel 1	
Camera Name	Camera 01	
Display Name	<	
Display Date	~	
Display Week	~	
Date Format	MM-DD-YYYY	
Time Format	24-hour	
Display Mode	Non-Transparent & Not 🗸	
Copy to	All	Сору
Apply		Cancel

#### **Configuring Video Parameters**

On the **Video Parameters** interface, you can select the camera name for configuration, set the main/sub stream, stream type, resolution, frame rate, bit rate type, Max. bit rate, and image quality. You can also copy the current settings to other camera(s).

Vid	eo Parameters		
Camera	Channel 1	~	
Encoding Parameters	Main Stream(Normal)	-	
Stream Type	Video & Audio	~	3
Resolution	960*576(WD1)	~	
Frame Rate	25(PAL)/30(NTSC)	~	
Bit Rate Type	Variable	~	
Max. Bit Rate	1792Kbps	~	
Image Quality	Medium	~	
Copy to	All	~	Сору
Apply			Cancel

#### **Configuring Record Settings**

#### 1. Configuring Advanced Settings

On the **Record Settings** interface, select the camera for configuration. Click **Advanced** to enter the **Advanced Settings** interface where you can configure the pre-record, post-record, expired time, redundant record, record audio, etc.

Advanced	Record Settings	Edit	Advanced Settings
Camera	Channel 8		Pre-record 5s
00 Mon	06 12	18 24	Post-record 5s
Tue Wed			Expired Time(Day) 0
Thu			Redundant Record No
Fri Sat			Record Audio
Sun			
Continuous	Motion Detection	Alarm	
Motion   Alarm Copy to	Motion & Alarm	Copy	
Apply k		Cancel	ОК Сап

Pre-record: The time you set to record before the scheduled time or event. For example, when an alarm triggered the recording at 10:00, if you set the pre-record time as 5 seconds, the camera records it at 9:59:55.Post-record: The time you set to record after the event or the scheduled time. For example, when an alarm

triggered the recording ends at 11:00, if you set the post-record time as 5 seconds, it records till 11:00:05.

**Expired Time:** The expired time is the longest time for a record file to be kept in the HDD, if the deadline is reached, the file will be deleted. You can set the expired time to 0, and then the file will not be deleted. The actual keeping

time for the file should be determined by the capacity of the HDD.

**Redundant Record:** Enabling redundant record or capture means you save the record and captured picture in the redundant HDD.

Record Audio: Choose "yes" to record the sound, "no" to record the image without sound.

#### 2. Editing Recording Schedule

On the Record Settings interface, click Edit to enter record schedule setting interface.

Record Schedule				
Enable Schedule Day	Mon			
All Day Type	Continuous			
1 (0) :(0) (0) :(0) Type	Continuous			
2 <0 > <0 > <0 > <0 > Type	Continuous			
3 40 ): 40 ) 40 ): 40 ) Type	Continuous			
4 40 • 40 • - 40 • 40 • Type	Continuous			
5 <0 > <0 > <0 > <0 > Type	Continuous			
6 <0 > <0 > <0 > <0 > Type	Continuous			
7 <0 > <0 > <0 > <0 > Type	Continuous			
8 <0 : <0 - <0 : <0 > Type	Continuous			
Save	Cancel			

#### Steps:

- 1. Click the checkbox of Enable Schedule item.
- 2. Select the day you want to set recording schedule. You can also select it to All Week.
- 3. To schedule an all-day recording, click the checkbox of the All Day item.
- 4. Select the recording type for the selected day to Continuous, Motion Detection, Alarm, Motion / Alarm or Motion & Alarm.
- Configure the period for each day and select the recording type for the selected period.
   *Note:* Up to 8 periods can be configured for each day.
- 6. Click Save to save the current settings and Cancel to return to the previous interface.
- 7. On the Record Settings interface, you can view the configured recording schedule.
- 8. If you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- 9. Click Apply to save the current settings and Cancel to return to the previous interface.

#### **Configuring Motion Detection**

Follow the steps to set the motion detection parameters for the Encoder device. In the live view mode, once a motion detection event takes place, the device can analyze it and do many actions to handle it. Enabling motion detection function can trigger certain channels to start recording, or trigger full screen monitoring, audio warning, notify the surveillance center and so on. In this chapter, you can follow the steps to schedule a record which triggered by the detected motion.

#### Steps:

1. On the Camera Settings interface, click **Set** beside Motion Detection to enter the **Motion Detection Settings** interface.

Motion Detection					
Camera	Channel 1				
Enable	✓				
Sensitivity	Low				
Area Settings	Set 👌				
Arming Schedule	Set				
Linkage Action	Set				
Apply	Cancel				

- 2. Select the camera for configuring motion detection.
- 3. Click the checkbox of **Enable** item to enable motion detection.
- 4. Set the sensitivity level. Up to 6 levels and OFF are selectable.
- 5. Click the **Set** button beside Area Settings to set motion detection area.



- 6. Click **Start Drawing**, and then use the mouse to click two points on the live view screen to draw area for motion detection.
- 7. To clear the motion detection area (s), click Clear All.
- 8. Click the **Set** button beside Arming Schedule to configure the arming schedule of motion detection for the current camera.

	Arming Schedul	le
Day	Tue	
1	<b>∢</b> 3 <b>)</b> : <b>∢</b> 0 <b>)</b>	<24▶ <0 ▶
2	1	
3		
4		
5		
6		
7		
8		
Сору То	All Week	Сору
ОК		Cancel

9. Click the **Set** button beside Linkage Action to configure the linkage method. If the Trigger Alarm Output is selected, you should click the **Set** button to configure the triggered alarm output (s).

Linkage Action	Trigger Alarm Output
Linkage Action	Output All 1 2 3 4
Full Screen Monitoring Audible Warning Notify Surveillance Center	Status VVV IP Camera All 1-1 Status
Save Cancel	OK Cancel

- 10. After having configured the above setting and if you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- 11. Click Apply to save the current settings and Cancel to return to the previous interface.

### **Configuring Video Loss Detection**

Detect the video loss of a camera and take alarm response action(s).

### Steps:

1. On the Video Loss interface, click **Set** beside Video Loss to enter the **Video Loss Detection** interface.

	Video	Loss		
	Camera Enable Arming Schedule Linkage Action:	Channel 1	Audible W	/arning
	✓ Notify Surve		Email Lini Set	kage
Apply				Cancel

- 2. Select the camera for configuring video loss detection.
- 3. Click the checkbox of **Enable** item to enable video loss detection.
- 4. Click the **Set** button beside Arming Schedule to configure the arming schedule of video loss detection for the current camera.

Arming Schedule						
Day	Tue	v				
4	3       0          1       0          0       0          0       0          0       0          0       0          0       0          0       0          0       0          0       0          0       0          0       0          0       0	<24				
8						
Сору То	All Week	~	Сору			
ОК			Cancel			

5. Set the Linkage Action by selecting the methods list below. If the Trigger Alarm Output is selected, you should click the Set button to configure the triggered alarm output (s).

	Trigger Alarm	Output	
Output Al Status IP Camera Al Status	· • • • •		
0	DK	Cancel	

- 6. After having configured the above setting and if you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- 7. Click Apply to save the current settings and Cancel to return to the previous interface.

### **Configuring Video Tampering Alarm**

Trigger alarm when the lens is covered and take alarm response action(s).

### Steps:

1. On the Camera Settings interface, click **Set** beside Tampering Alarm to enter the **Tampering Alarm** settings interface.

Tampering Alarm						
Camera	Channel 1					
Enable	~					
Sensitivity	Low					
Area Settings	Set					
Arming Schedule	Set					
Linkage Action:						
Full Screen	Monitoring 🛛 🔤 Audible Warning					
<ul> <li>Notify Surve</li> </ul>	eillance Center ✔ Email Linkage					
✓ Trigger Alar	rm Output Set					
Apply	Cancel					

- 2. Select the camera for configuring video tampering detection.
- 3. Click the checkbox of **Enable** item to enable video tampering detection.
- 4. Set the sensitivity level to High, Middle or Low.
- 5. Click the **Set** button beside Area Settings to set video tampering detection area. Please refer to the settings of motion detection area.
- 6. Click the **Set** button beside Arming Schedule to configure the arming schedule of video loss detection for the current camera.
- 8. Set the Linkage Action by selecting the methods list below. If the Trigger Alarm Output is selected, you should click the Set button to configure the triggered alarm output (s).
- 9. After having configured the above setting and if you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- 10. Click Apply to save the current settings and Cancel to return to the previous interface

### **Configuring Privacy Mask**

You are allowed to configure the four-sided privacy mask zones that cannot be viewed by the operator.

### Steps:

1. On the Camera Settings interface, click Set beside Privacy Mask to enter the Privacy Mask settings interface.

Priva	acy Mask	
Camera	Channel 1	~
Enable	×	
Area Settings	Set	
Apply		Cancel

- 2. Select the camera for configuring privacy mask.
- 3. Click the checkbox of **Enable** item to enable privacy mask.
- 4. Click the **Set** button beside Area Settings to set privacy mask area. Please refer to the settings of motion detection area.
- 5. Click Apply to save the current settings and Cancel to return to the previous interface.



### **Configuring IP Camera**

If the current Encoder device is Hybrid DVR or NVR type, you can also enter the **Channel List** interface by clicking **Set** beside IP Camera Management on the Camera Settings interface.

### Adding IP Camera:

- 1. Click the IP Camera List tag to enter the IP camera management interface.
- 2. Click **Add** to enter the IP Camera Parameters interface.

			nel List				IP Ca	mera Parameters	
	Camerà List 🔛Anal	-					No.	D3	-
No. D1	IP/Domain Name 172.6.23.3	Port 8000	Channel 1	Online	Edit Dele		Registration Mode	P Address	
D2	172.6.23.4	8000	1	Offline			Port User Name	8000 admin	
							Password		_
							Channel No. Factory	1	
								•	-
A	ylqq		Refresh	Add	Cancel	OK			Cance

- Configure the Camera No., Registration Mode (IP address/domain name), IP address/ Domain name, Port, User Name, Password, Channel No. and Factory (protocol type) to add the IP camera.
- 4. Click **OK** to save the settings.
- 5. On the Channel List interface, click **Apply** to finish the adding of the IP camera.

### **Editing Status of Analog Camera:**

For Hybrid DVR, you can view the status of the connected analog camera, as well as increase the number of IP camera to add by changing the disabling the analog camera (s).

- 1. Click the Analog List tag to enter the analog camera management interface. You can the information of the connected analog camera.
- 2. Click Status to enter the Analog Camera Status interface.

	Channe	el List					_	_	Ana	log	Car	nera	Stat	us	_	
🛐 IP Camera List	Analog List							_		_						
Channel No.	IP Address	Port		Enable	-	An	alog	Cai	mer	αĿ	nabi	ed S	tatus	<b>S</b> :		
A1	Local	N/A		Yes		All	1	2	:	3	4	5	6	7	8	
A2	Local	N/A		Yes	-		~		/	~	~			~	~	
A3	Local	N/A		Yes			9	1	0	11	12	13	14	15	16	
A4	Local	N/A		Yes			~			~	~	~	~	~	~	
A5	Local	N/A		Yes												
A6	Local	N/A		Yes												
A7	Local	N/A		Yes												
A8	Local	N/A		Yes				Ар	ply					Canc	el	
A.9	Local	N/A		Yes	-											
ОК			Status	Cancel												

3. You can de-select the camera (s) to disable the analog camera(s) connected.

Note: Please refer to the User Manual of DS-9000 or DS-7600 for detailed instructions.

## 4.1.4 Alarm Settings

Click **Alarm** on the remote settings interface to enter the **Alarm Settings** interface where you can configure the alarm input, alarm output and manual alarm.

Alarm Settings								
Network								
Serial								
Camera	Alarm Input	Set						
Alarm	Alarm Output	Set						
Exception	Manual Alarm	Set						
Maintenance	Manual Alami	561						
Reboot								
Stream Media								
Logout			Return					

### 1. Configuring Alarm Input

- (1) Click Set beside Alarm Input to enter the Alarm Input Settings interface.
- (2) Select the alarm input for configuration.
- (3) Edit the Alarm Name.
- (4) Select the Alarm Type to Normally Open or Normally Close.

	Alarm	Input Settings	
	Alarm Input	Alarm 1	
	IP Address	Local	
	Alarm Name		
	Alarm Type	Normally Open	
	✓ Handling Alarn	ı	
	Arming Schedule	Set	χ.
	Linkage Action	Set	ł
	Copy to	All	Сору
Apply			Cancel

(5) Set the handling action for the selected alarm input by clicking the checkbox of Handling Alarm.

Configure the Arming Schedule and Linkage Action to set up its alarm response actions, as well as triggered camera and PTZ linkage (calling defined preset / patrol / pattern).

Linkage Action	Linkage Action				
Linkage Action Triggered Camera PTZ Linkage	Linkage Action Triggered Camera PTZ Linkage				
<ul> <li>Full Screen Monitoring</li> <li>Audible Warning</li> <li>Notify Surveillance Center</li> <li>Email Linkage</li> <li>Trigger Alarm Output Set</li> </ul>	PTZ Camera Channel 1				
Save Cancel	Save				

- (6) After having configured the above setting and if you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- (7) Click **Apply** to save the current settings and **Cancel** to return to the previous interface.

Note: Please refer to the User Manual of the current DVR for detailed instructions.

### 2. Configuring Alarm Output

- (1) Click Set beside Alarm Output to enter the Alarm Output Settings interface.
- (2) Select the alarm output for configuration.
- (3) Set the Hold For (duration) time for the alarm output.

Alarm Output Settings								
Alarm Output	Alarm 1							
IP Address Alarm Name	Local							
Dwell Time	5s 🔽							
Arming Schedule	Set							
Copy to	All	Сору						
Apply		Cancel						

- (4) Set the Dwell Time (duration) for the alarm output.
- (5) Configure the Arming Schedule of the alarm output.
- (6) After having configured the above setting and if you want to configure the other cameras with the same settings, choose the camera and click **Copy**. You can also select **All** to copy the current settings to all cameras.
- (7) Click Apply to save the current settings and Cancel to return to the previous interface.

### 3. Configuring Manual Alarm

- (1) Click Set beside Manual Alarm to enter the Manual Alarm Settings interface.
- (2) Select the alarm output (s) for manual triggering.

Manual Alarm					
Output Status IP Camera Status	Ali 1 2 3 4 Ali 1-1 3-1				
	ОК	Cancel			

(3) Click **OK** to return to the Alarm Settings interface.

## 4.1.5 Exceptions

Configure the exception handling method (s) for each exception type.

#### Steps:

- 1. Click Exceptions on the remote settings interface to enter the Exception Settings interface.
- Select the exception type to configure with handling method (s). The exception types include: HDD Full: The HDD is full.

HDD Error: Writing HDD error, unformatted HDD, etc.

Network Disconnected: Disconnected network cable.

**IP Conflicted:** Duplicated IP address.

Illegal Login: Incorrect user ID or password.



3. Select the handling method (s) by clicking the checkbox (s) for the selected exception type.

Audible Warning: Audible beep when an alarm is detected.

**Notify Surveillance Center:** Send an exception or alarm signal to remote alarm host when an event occurs. The alarm host refers to the PC installed with Remote Client.

Email Linkage: Send an email with alarm information to a user or users when an alarm is detected.

**Trigger Alarm Output:** Trigger an alarm output when an alarm is triggered. You can click the **Set** button to set the alarm output (s) to trigger.

4. Click **Apply** to save the current settings.

### 4.1.6 Maintenance

Click Maintenance on the remote settings interface to enter the Device Management interface.

Device Maintanence					
Network	HDD Management	Set			
Serial	User Management	Set			
Camera	Device Information	Set			
Alarm	Device Upgrade	Set			
Exception	Import/Export	Set			
Maintenance	Restore Default	Set			
Reboot	Remote Panel	Set			
Stream Media					
Logout		Return			

HDD Management: Set and initialize HDD, and set HDD in group management.

User Management: Add/edit/delete user account, and assign operating permissions for each user.

**Device Information:** View the version and basic information of the encoder device.

Device Upgrade: Remotely upgrade the device by USB file.

Import/Export: Import/export configuration files.

Restore Default: Restore factory default settings.

Remote Panel: Use the remote front panel of the device to realize operation.

## 4.1.7 Stream Media Settings

### Purpose:

The stream media sever only takes effect when the video needs to be decoded and displayed on the video wall. The decoder connects with the stream media server to get the video stream.

### Steps:

1. Click Stream Media on the remote settings interface to enter the Stream Media Settings interface.

Stream Media Settings					
Network	Enable	~			
Serial	Server IP	172.9.10.3			
Camera	Server Port	554			
Alarm	Server Protocol	TCP			
Exception	Copy to all	~	_		
Maintenance					
Reboot		Apply			
Stream Media					
na Logout na			Return		

- 2. Enable the Stream Media by checking the checkbox.
- 3. Input the IP address and port of the server.

Note: The Server IP refers to the IP address of the PC on which the stream media software is running.

- 4. You can check the checkbox of Copy to all to copy the current stream media settings to all encoding devices under the current login user. If you uncheck it, the stream media settings are applicable to the current encoding device only.
- 5. Click **Apply** to save the settings.

# 4.2 Decoder Settings

Click the settings. Click the Click

On this interface, you can configure the settings for network, RS-232/RS-485 serial port, output, decoding status, maintenance, etc.

Device List			Network Settings						
Device Type	Device Name IP A	ddress	Port	Status	Config	Network			
DVR	Embedded Ne172.	6.23.72	8000	Online	6	Serial	General Settings	Set	
DEC	Embedded mu 172.	6.22.190	8000	Online	6	Senar	PPPoE		
Unknown	172.	6.21.164	8000	Offline	6	Output	PPPOE	Set	
NVR	Embedded Ne172.	6.23.12	8000	Online	6	Video Wall	DDNS	Set	
IP Camera	1 172.	6.23.6	8000	Online	6	Decoding Status	NTP	Set	
DVR	Embedded Ne172.	6.23.65	8000	Online	6	Ŭ	N11	Set	
						Maintenance			
						Reboot			
Total 6 items	Daga 1/1			To dd					
Total o items	Page 1/1	4 4	• •	To <1	▶ P ⇒				
Logout				F	Return	Logout III		in R	eturn

## 4.2.1 Network Settings

Click Network on the remote settings interface to enter the Network Settings interface.

You can configure the general settings, advanced settings, PPPoE, DDNS and NTP parameters of the decoder.

Network Settings					
Network					
Serial	General Settings	Set			
Output	PPPoE	Set			
Video Wall	DDNS	Set			
Decoding Status	NTP	Set			
Maintenance					
Reboot					
Logout			Return		

Please refer to the Network Settings of the Encoder for details.

## 4.2.2 Serial Port Settings

Click Serial on the remote settings interface to enter the Serial Port Settings interface.

Serial Port Settings					
Network					
Serial					
Output	RS232	Set			
Video Wall					
Decoding Status	RS485	Set			
Maintenance					
Reboot					
Logout			Return		

You can set the RS232	port and RS485	parameters.
-----------------------	----------------	-------------

RS232 Settings	RS485 Settings
RS232 Settings Baudrate 50 Data Bit 5 Stop Bit 1 Parity None Flow Control None	Channel No.     Image: Channel No.       Baudrate     9600       Data Bit     8       Stop Bit     1       Parity     None       Flow Control     None       Decoder Type     Image: Channel No.
Apply	Cancel Apply Cancel

### 4.2.3 Output Settings

You can configure parameters for the display of decoded output video on monitor.

### Steps:

1. Click **Output** on the remote settings interface to enter the **Output Settings** interface.

	Output Set	tings	
Network	Display Channel	VGA 1	~
Serial	Enable Audio		
Outpat	Audio Window	1	
	Video Format	PAL	<b>~</b>
Video Wall	Resolution	1080P_50HZ	~
Decoding Status	Division Mode	1	~
Maintenance	Window	1	
Reboot	Decoding Channe		Save
		Apply	Clear
Logout			Return

- 2. Select the display channel.
- 3. Enable audio and configure it for a window if required.
- 4. Set the video format and resolution of the decoded video output.
- 5. Select the window-division mode (1/2/4-division).
- 6. Configure window for relevant channel.
  - (1) Select a window and its relevant channel.
  - (2) Click Save to save the current widow settings.
  - (3) Repeat the same steps to configure the other windows for their related channels.
- 7. After having configured the above settings, click **Apply** to finish the settings or **Clear** to cancel the settings.

### 4.2.4 Video Wall

If the connected decoder is DS-6400HDI-T or DS-6400HDI-S, the video wall display is supported. You can decode the video signal and display it on the video wall.

### Steps:

1. Click Video Wall on the remote settings interface to enter the Video Wall interface.

Video Wall Settings					
Network	Video Wall No.	Video Wall No.	1		
Serial	Enable	~			
Output	Mode	1 x 2			
Video Wall	Decoding Channe	el2	~		
Decoding Status	Resolution	720P_60HZ			
Maintenance	Screen No.	1	~		
	Output Channel	VGA2	Save		
Reboot		Annulu			
		Apply	*		
Logout			Return		

- 2. Select the video wall No. to configure and enable the video wall display by checking the **Enable** checkbox.
- 3. Select the window-division mode.
- 4. Set the decoding channel and the output resolution.
- 5. Select the screen No. of the selected video wall and the output channel of the decoder.
- 6. After having configured the above settings, click **Apply** to finish the settings.

## 4.2.5 Decoding Status

Click Decoding Status on the remote settings interface to enter the Decoding Status interface.

You can view the working status of each decode channel, including the decode state, stream type, package mode, video/audio frame rate, etc.

Decoding Status					
Network	Decoding Channel	1	~		
Serial	Decoding Status	On			
Output	Stream Type	Std264			
Video Wall	Package Mode	RTP			
Decoding Status	Video Frame Rate	25			
,	Audio Frame Rate	0			
Maintenance	Width&Height	1280x720			
Reboot	Video Format	NULL			
		Refresh			
Logout			Return		

## 4.2.6 Maintenance

Click Maintenance on the remote settings interface to enter the Device Management interface.

Device Maintanence					
Network					
Serial	User Management	Set			
Output	Device Information	Set			
Decode State	Device Upgrade	Set			
Maintenance	Import/Export	Set			
Reboot	Restore Default	Set			
Logout			Return		

User Management: Add/edit/delete user account, and assign operating permissions for each user.

Device Information: View the version and basic information of the decoder device.

Device Upgrade: Remotely upgrade the device by USB file.

Import/Export: Import/export configuration files.

Restore Default: Restore factory default settings.

## 4.3 Input Settings

Click Input on the main interface to enter the Input Settings-Input List interface.

The list has displayed all device cameras which can be controlled by the current login user.

Search by IP or domain is supported. Input the IP address or domain of the device in the text field and click the **Search** button.

Note: The camera name shown in the Camera Name is obtained from the corresponding device.

Char	inel-zero	Input Set	ttings I	Input L	ist	Inp	ut Gr	oup
IP/Do	main					5	Searc	h
No.	Name	Device	Туре	IP Add	ress	Port	Edit	Live
1	Camera 01	Embedde	DVR	172.6.2	23.72	8000		6
2	Camera 01	ipdome	IP Came	172.6.2	21.164	8000	2	6
3	Camera 02	Embedde	DVR	172.6.2	23.72	8000		<b>6</b> -
4	Camera 03	Embedde	DVR	172.6.2	23.72	8000	2	<u> </u>
5	Camera 04	Embedde	DVR	172.6.2	23.72	8000		6
6	Camera 05	Embedde	DVR	172.6.2	23.72	8000	1	6
7	Camera 06	Embedde	DVR	172.6.2	23.72	8000		6
Q	Comero 07	Embedde		170 6 1	72 70	2000		🥋 🔽
Total	17 items F	age 1/3	I4	•	ы То	<b>∢</b> 1	ÞP	-
Lo	ogout						Retur	'n

## 4.3.1 Starting Local Live View

Steps:

1. Select a camera from the input list and click the 📧 icon to start the local live view.



2. You can press the NEXT or PREV button to view the video of the next or previous camera.

## 4.3.2 Live View by Channel-zero

### Steps:

1. Click the Channel-zero button on the Input Settings-Input List interface to enter the Channel-zero

settings interface:

	Input s	ettings Channe	l-zero
Device	Туре	IP Address	Port Live Vi
Embedded Net DVR	DVR	172.6.23.72	8000 💰
			\$
Total 1 items	Page 1/1		H TO €1 P →
Logout			Return

2. Select an encoding device from the list and click the sicon to enter the local live view by the channel-zero.

*Note:* The channel-zero must be supported by the connected encoding device and has been enabled.

## 4.3.3 Editing a Camera

Select a camera from the Input **Settings-Input List** interface, and click do edit the camera name, camera No., protocol and stream type.

*Note:* The Camera No. should be set uniquely from 1 to 999999.

	Input	Settings Edit Camera	
	Camera Name Camera No.	Camera 03 4	
	Protocol Stream Type Device	TCP Main Stream Embedded Net DVR	X
	IP Address Port	172.6.23.72 8000	3
OK			Cancel

## 4.3.4 Setting Input Group

Steps:

- 1. Click Input Group to enter the Input Settings-Input Group interface.
- 2. Click to select the group No. from the drop-down menu, set the cycle time for the group and click the **Save** button.

		Input Se	ettings Input (	Group	Add Can	nera
Group	) No.: 1	Cycle	Time 10	S	Save	
No.	Name	Device	Type IP Add	ess	Port De	elete
				_		
Total (	0 items	Page 1/1	4	N TO	1 🕨 P	-

*Note:* Up to 16 camera groups can be added.

3. Click the Add Camera key to enter the Add Camera interface:

Input Settings Add Camera					
No.	Name	Device	Туре	IP Address	Port
1	Camera 0173	7308HF	DVR	172.10.26.25	8000
2	Camera 02	7308HF	DVR	172.10.26.25	8000
3	Camera 03	7308HF	DVR	172.10.26.25	8000
4	Camera 04	7308HF	DVR	172.10.26.25	8000
5	Camera 05	7308HF	DVR	172.10.26.25	8000
6	Camera 06	7308HF	DVR	172.10.26.25	8000
7	Camera 07	7308HF	DVR	172.10.26.25	8000
8	Camera 08	7308HF	DVR	172.10.26.25	8000
otal 9 ite	ms Page	1/2	<b>I4</b>	▶ N To <b>∢</b> 1	▶ P 🚽
Add				Statement of the local division in which the local division in the local division in the local division in the	Finish

- 4. Select the cameras from the list to be added to the group, and then click Add to finish the setting.
- 5. Click **Finish** to return to the **Input Group** interface, where you can view the successfully added cameras for the current group.

You can click 🔟 to delete the added camera.

## 4.4 Output Settings

Click **Output** on the main interface to enter the **Output Settings** interface.

Search by IP or domain is supported. Input the IP address or domain of the device in the text field and click the **Search** button.

The list has displayed all output channels added to the current login user.

Wall	/Scene	Output Se	ttings Outpι	ıt List	Outp	ut Group
IP/Don	nain				Se	earch
No.	Туре	Device	IP Address	Port	Edit	Playb
1	VGA1	Embedded multi	[172.6.22.190	8000		0
2	VGA2	Embedded multi	172.6.22.190	8000	2	0
3	VGA3	Embedded multi	172.6.22.190	8000	2	<b>(</b> )
4	VGA4	Embedded multi	172.6.22.190	8000	2	6
5	VGA5	Embedded multi	172.6.22.190	8000	2	0
6	VGA6	Embedded multi	172.6.22.190	8000	2	6
7	VGA7	Embedded multi	172.6.22.190	8000	2	6
Q	VCAR	Embedded multi	172 6 22 100	8000		<b>~</b>
Total 2	20 items	Page 1/3	M • •	⊫ To	(1	▶P ⇒
Log	gout				R	teturn

## 4.4.1 Playback on Monitor

Select an output channel from the output list and click the sicon to enter the Playback interface. *Note:* Before operating the playback, you must configure the output settings first. Please refer to *4.2.3 Output Settings*.

### **Playback by File**

Steps:

1. Click the **By File** tab to enter the playback by file interface.

M	/ION:1 Playback
🚰By File 🌇By Time	
Display Window	1
Camera No.	7
Record Type	All All
By Card No.	
Start Time	2013-10-22 26
End Time	2013-10-22 26
	<23 ▶: <59 ▶: <59 ▶
Logout	Search Return

2. Input the display window.

*Note:* Please refer to the window-division mode in the *4.2.3 Output Settings* before inputting the display window here.

3. Input the Camera No. for playback.

If the encoding device is ATM DVR, you can input the Card No.

- 4. Select the record type and file type.
- 5. Set the start time and end time of the video files for playback.
- 6. Click Search to search the matched video files.
- 7. The searching results can be viewed on the Playback File List interface.

	Play	oack File List	P	layback
File Name Start Time		End Time	Size	Туре
ch01_08(2013-01-2	5 11:28:59	2013-01-25 12:33:56	725.1M	B Unlock
ch01_08(2013-01-2	5 12:33:5 <mark>6</mark>	2013-01-25 14:05:44	1016.4	/IEUnlock
ch01_08(2013-01-2	5 14:05:44	2013-01-25 14:52:19	521.9M	B Unlock
ch01_08(2013-01-2	5 <b>14</b> :54:11	2013-01-25 14:57:35	26.9MB	Locked
ch01_08(2013-01-2	5 15:01:14	2013-01-25 15:43:12	467.1M	B Unlock
ch01_08(2013-01-2	5 15:43:12	2013-01-25 17:13:33	1016.4	//EUnlock
ch01_08(2013-01-2	5 17:13:33	2013-01-25 18:42:56	1016.2	/IEUnlock
ch01_08(2013-01-2	5 18:42:56	2013-01-25 19:22:55	457.7M	B Unlock
Total 8 items	Page 1/1	N 4 P N	To <mark>∢</mark> 1	▶P ⇒
Logout				Return

8. Select the file for playback from the list and click **Playback** to play back the video file.

*Note:* The Playback Control buttons on the left side of the control panel are supported during the playback.

### **Playback by Time**

#### Steps:

1. Click the **By Time** tab to enter the playback by time settings interface.

M	ON:1 Playback	
Display Window Camera No.	1	
Start Time	2013-10-22	
End Time	<b>40 )</b> : <b>40 )</b> : <b>40 )</b> 2013-10-22 <b>26</b>	
Logout	Playback	Return

2. Input the display window.

*Note:* Please refer to the window-division mode in the *4.2.3 Output Settings* before inputting the display window here.

- 3. Input the Camera No. for playback.
- 4. Set the start time and end time of the video files for playback.
- 5. Click Playback to start playback.

Note: The Playback Control buttons on the left side of the control panel are supported during the playback.

## 4.4.2 Editing an Output Channel

Select an output channel from the on the **Output Settings-Output List** interface, and click  $\square$  to edit the output No..

Note: The Output No. should be set uniquely from 1 to 999999.

M	ION:1 Playback	
🔀 By File 🤮 By Time		
Display Window Camera No.	1	
Start Time	2013-10-22 26 <b>(0)</b> : <b>(0)</b> : <b>(0)</b>	
End Time	2013-10-22	
Logout		Return

## 4.4.3 Setting Output Group

Steps:

- 1. Click Output Group to enter the Output Settings-Output Group interface.
- 2. Click to select the group No. from the drop-down menu.

	Output Se	ettings Output Group	Add Sutput
Group No.:	1		
No. Туре	Device	Device IP Address	Port Delete
Total 0 items	Page 1/1		(1 )P ⇒
Logout			Return

3. Click the Add Output key to enter the Add Output interface:

No.	Туре	Device	Device	IP Address	Port	
25	VGA5	DECODER	DEC	172.10.19.251	8000	
26	VGA6	DECODER	DEC	172.10.19.251	8000	
27	VGA7	DECODER	DEC	172.10.19.251	8000	
28	VGA8	DECODER	DEC	172.10.19.251	8000	
29	BNC1	DECODER	DEC	172.10.19.251	8000	
30	BNC2	DECODER	DEC	172.10.19.251	8000	
31	BNC3	DECODER	DEC	172.10.19.251	8000	
32	BNC4	DECODER	DEC	172.10.19.251	8000	
					_	
Total 40 i	Total 40 items Page 4/5 ⊮ ◄ ► ► To <4 ► P →					

- 4. Select the outputs from the list to be added to the group, and then click **Add** to finish the setting.
- 5. Click **Finish** to return to the **Output Group** interface, where you can view the successfully added output channels for the current group.

You can click 🔟 to delete the added output.

## 4.4.4 Setting Video Wall / Scene

### Steps:

1. Click the Wall/Scene button to enter the Video Wall/Scene List.

Video Wall/Scene List							
No.	Name	Device		IP Ac	dress	Port	Edit
1	Screen 1	Embedde	ed mu	172.6	6.22.190	8000	
2	Screen 2	Embedde	ed mu	172.6	5.22.190	8000	
3	Screen 3	Embedde	ed mu	172.6	5.22.190	8000	
4	Screen 4	Embedde	ed mu	172.6	5.22.190	8000	2
							_
Total 4 items	Page	1/1	M	• •	ы То	<b>1</b>	▶ P →
Logout						F	leturn

- 2. Click  $\boxed{2}$  to enter the editing interface.
- 3. Edit the No. for the video wall / scene on your demand.

	Video Wall/Scene Edit	
No. Name Device IP Address Port	5 Video Wall/Scene Edit Video Wall1 Embedded multiDecoder 172.6.22.190 8000	¥
OK		Cancel

4. Click **OK** button to save the setting.

## 4.5 Macro Settings

The macro command can be used for operating a series of continuous actions in sequence. **Operation:** Press the "Num + MAC" keys to call the programmed macro command.

Click Macro on the main interface to enter the Macro Settings interface.

	٩	/lacro Set	tings	Macro	List	Ad	d Macı	°0
No.	Macro Name			N	/iew	Run	Delet	te
Total 0 iten	ns Pag	e 1/1	M	< •	ы То	<b>√</b> 1	ÞP	•
Logout							Return	

### Adding Macro

Click **Add Macro** to enter the **Macro Setting-Add Macro** interface. Edit the macro name, and press the command keys on the keyboard to enter the text box below. Finally, click **Add** to add the current macro command.

### Notes:

- Up to 128 macro commands can be added.
- Max. 6 numerals can be included in a macro command.
- The local decoding and live view operation is not supported currently.

	Macro Settings Add Macro	
Macro Name	macro	
Please press to ir	nput macro:	
1+MON+4+WIN	+5+CAM	
Attention:		
Add		Cancel

### **Viewing Macro**

The added Macro commands are listed on the Macro Settings-Macro List interface.

You can click it to view each macro command.

	Macro Settings View Macro	
Macro Name:	1	
Macro Content:		
1+MON+2+WIN	+4+CAM	
Prev	Page Next Page	ye
		Cancel

### **Running Macro**

Select a command from the list and click **I** to run the command, or directly click **Num + MAC** keys on the interface to call the macro command.

		Macro S	Settings	s M	acro	List	A	dd Mac	ro
No.	Macro Nam	e			Vi	ew	Run	Dele	te
1	1					?		1	
Total 1 item	ns Pa	age 1/1		•	•	M	Го < 1	P	•
Logout								Returr	1

### **Deleting Macro**

You can click 💼 to delete the added macro command.

# 4.6Playback

The video files stored in the encoding device can be played back through the related decoder. Three playback modes are available: playback by USB file, playback by time and playback by file.

Click **Playback** on the main interface to enter the Local Playback interface.

	Local Playback	
🕿USB 🔛By File 🔛B	y Time	
Refresh		Playback
File Name	Size Type	Edited Date
7		
Logout		Return

## 4.6.1 Playback by USB File

### Steps:

- 1. Connect your USB disk to the keyboard.
- 2. Click the USB File tab on the Local Playback interface to enter the Playback by Local File interface.

	Local Playback	
🕰 USB 🔯 By File 🔯 By	/ Time	
Refresh USB1-	1	Playback
File Name	Size Type	Edited Date
2013091017§1-nv	4,861KB File	2013-09-23 14:16:00
C1528MG.pdf	3,233KB File	2013-09-10 10:10:28
📄 ch01_2013091215	57KB File	2013-09-12 15:40:18 😑
📄 ch01_2013091215	2KB File	2013-09-12 15:40:18
📄 ch01_2013091215	48KB File	2013-09-12 15:45:42
📄 ch01_2013091215	2KB File	2013-09-12 15:45:42
📄 com.edwardkim.a	840KB File	2013-10-12 11:40:40 🚽
Logout		Return

- 3. Select the video file from the USB disk for playback.
- 4. Click **Playback** to play the selected video file.



## 4.6.2 Playback by File

### Steps:

1. Click the **By File** tab on the Local **Playback** interface to enter the Playback by File interface.

Loca	l Playback
🕰USB 🎑 By File 🞑 By Time	
Camera No.	
Record Type	All
File Type	All
By Card No.	
Start Time	2013-10-22 26
End Time	2013-10-22 26
	<23 ▶: <59 ▶: <59 ▶
Logout	Search Return

- 2. Input the Camera No. for playback.
- 3. Select the record type and file type.

If the encoding device is ATM DVR, you can input the Card No.

4. Set the start time and end time of the video files for playback.

- 5. Click Search to search the matched video files.
  - (1) The searching results can be viewed on the Playback File List interface.

Playback File List Playback					
File Name Start Time ch01_08(2011-09-05 23:54:20	End Time 2011-09-06 00:00:01	Size 57.7MB	Type Unlock		
Total 0 items Page 1/1	14 <b>a</b> b bi	To 1	►P ⇒		
Logout		1.	Return		

(2) Select the file for playback from the list and click Playback to play back the video file.

## 4.6.3 Playback by Time

1. Click the By Time tab on the Local Playback interface to enter the Playback by Time interface.

Local Playback					
🚰 USB 🔛 By File 🏠 By Time					
Camera No. Start Time	1 2013-10-03 25 ∢0 ▶: ∢0 ▶				
End Time	2013-10-22     20       ₹23     :     ₹59				
	Playback				
Logout	Return and				

- 2. Input the Camera No. for playback.
- 3. Set the start time and end time of the video files for playback.
- 4. Click **Playback** to play back the recoding file.

## 4.7 Advanced Settings

Click **Advanced** on the main interface to enter the **Advanced Settings** interface where you can configure the password, AUX key, live view performance and PTZ speed control settings.

	Advanced settings Password				
Password	User Name	01			
Aux Key	Current Password				
FTP Settings	New Password				
Performance	Confirm				
		Apply			
Logout			Return		

## 4.7.1 Password Settings

Click **Password** on the Advanced Settings interface to enter the Password Settings interface.

It is allowed to edit the password for the current login user.

Enter the current password and new password, and then click **Apply** to finish the password modification.



### 4.7.2 AUX Key Settings

Click Aux Key on the Advanced Settings interface to enter the Aux Key Settings interface.

On the **Advanced Settings-Aux Key** interface, the **Aux Key 1** and **Aux Key 2** correspond to the AUX1 and AUX2 keys on the keyboard respectively.

The function of AUX1/AUX2 can be set to Two-way Audio, Picture Capture or Video Wall/Scene Switch control.

Click 📓 to select the Aux function for each Aux Key, and then click **Apply** to save the settings.



## 4.7.3 Live View & PTZ Speed Settings

Click **Performance** on the Advanced Settings interface to enter the network performance and PTZ speed settings interface.

It allows you set the network performance of local live view on keyboard. Five levels are selectable.

You can also set the PTZ movement speed of the connected PTZ camera by using the joystick. Four levels are selectable.

Advanced Settings Performance		
Password	Live View	Real-time and fluent
Aux Key	PTZ Speed	Middle
FTP Settings		Apply
Performance		
		ł
Logout		Return

## 4.7.4 FTP Settings

The video files or captured pictures can be uploaded to FTP server.

### Steps:

1. Click FTP Settings on the Advanced Settings interface to enter the FTP Settings interface.

Advanced settings FTP Settings		
Password	Enable FTP	<ul> <li>Image: A start of the start of</li></ul>
Aux Key	IP Address	172.6.23.11
FTP Settings	User Name	test
Performance	Password	*****
	File Path	g:\file
		Apply
Logout		Return

2. Check the checkbox of Enable FTP.

Note: If the Enable FTP is unchecked, the video files or captured pictures will be saved in the U-flash disk.

- 3. Enter the IP address of the FTP server.
- 4. Enter the user name and password for login to the FTP server.
- 5. Enter the file path to which the video files and captured pictures are uploaded.
- 6. Click **Apply** to save the settings.

## 4.8Logout

Click **Logout** on the main interface, and the message box "Logout now?" will pop up. Click **Yes** to confirm the logout, or **No** to cancel the operation.

After logout of current login user, the system will return to the User Login interface.

User Lo	ogin
User Name Password	01
Remember Password	Exit

# 4.9 Reboot

Click **Reboot** on the main interface, the message box "Reboot now?" will pop up. Click **Yes** to confirm the reboot, or **No** to cancel the operation.

# 4.10 Shutdown

Click **Shutdown** on the main interface, the message box "Shut down now?" will pop up. Click **Yes** to confirm the shutdown, or **No** to cancel the operation.

# **Chapter 5 Keyboard Operation**

## 5.1 Shortcut Operation

The operating user must log in the keyboard to realize all shortcut operations (except LOCK).

Shortcut Operation: Press the Num keys on the keyboard to enter the shortcuts operation interface.

#### Notes:

- When user enters the shortcuts operation interface by inputting the *Num* key, press *ESC* to cancel the inputted numeral from the screen and start the shortcut operation.
- When user enters the shortcuts operation interface by inputting the SET key, user should press it again before starting the shortcut operation.

In the shortcuts operation interface, the left part has displayed the current output channel, and user can select different window-division display modes, set input channel for each window, or configure other shortcut operations.

And the right part of the interface is used for displaying the current key input and some shortcut operations.



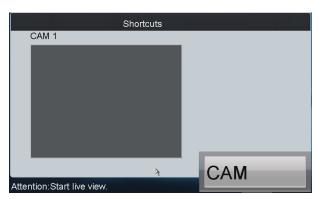
## 5.2 Local Live View

The local live view refers to display the video signal from the input channel through the network keyboard. Currently, only the 1-window display mode for 1 decoding channel is supported. In the preview mode, user can operate other shortcut functions.

#### Steps:

- 1. Press the 0+MON keys to enter local preview.
- 2. Press the Num + CAM keys to select the camera input for display on the screen.

*Note:* In the local operation status, it is unallowable to operate the window (WIN), camera group (CAM-G), multi-division display (MULT) and camera tour (TOUR) functions.



3. Press the ESC key on the keyboard to enter full-screen preview mode.



### Notes:

- Up to 1080P resolution is supported for local live view.
- User can press the *0+CAM* keys to stop the live view of the current window.

## 5.3 Display of Decoded Video on Monitor

## 5.3.1 Setting Multi-division Display

You can select different multi-division display modes for the selected output channel. Currently, 1/4/9/16-division display modes are configurable.

#### Steps:

- 1. Press the *Num + MON* keys to select the monitor.
- 2. Press the Num + MULT keys to select the multi-division display mode for the output channel.

*Note:* In the local live view mode when you input *0+MON* keys, the multi-division display mode is not supported.



*Note:* Corresponding error message will appear on the screen when user performs wrong operation. E.g., when the multi-division number entered is not supported by the current output channel, the message "Window mode error." will appear.

## 5.3.2 Setting Camera to Monitor

The selected input signal can be outputted and displayed by the decoding channel on the monitor. Currently, the supported decoding resolution includes: QCIF, CIF, 2CIF, DCIF, 4CIF, 720p, 1080p, VGA, UXGA, etc. The output interface can be selected to BNC/VGA/HDMI/DVI.

Steps:

- 1. Press the Num + MON keys to select the monitor.
- Press the Num + WIN keys to select the display window on the monitor. You can also directly touch the screen to select the display window.
- 3. Press the Num + CAM keys to select the input camera.

#### Example:

You can input the "1+MON, 2+WIN, 3+CAM" keys to decode the video signal from camera 3 and display it on window 2 of monitor 1.

When you press the *0+CAM* keys, it will stop the dynamic decoding of the current window. If no display window is selected, the decoding of the 1<sup>st</sup> window will be stopped by default.



#### Description of icons:

	M R		
Switch to full screen of sub screen	Restore	Audio off	Audio on

Notes:

- In the local live view mode, when you input 0+MON keys, only the single-window display mode is supported.
- Corresponding error message will appear on the screen when you perform wrong operation.

## 5.3.3 Setting Camera Group to Monitor

The video signal from the selected camera group can be outputted to and displayed by the decoding channel on monitor.

- When the number of cameras is equal to or less than the number of display windows on screen, e.g., 8 cameras→9 windows, then each camera will be displayed on its corresponding monitor respectively, e.g., camera 1 on window 1, camera 8 on window 8, etc.
- 2. When the number of cameras is more than the number of display windows on screen, e.g., 34 cameras  $\rightarrow$  16

windows, then the camera 1-16 will be displayed on window 1-16, camera 17-32 on window 1-16, and camera 33-34 on window 1-2 in cycle view mode.

*Note:* The dwell time for the cycle view is set in the input group setting interface, refer to Setting Input Group. *Steps*:

- 1. Press the Num + MON keys to select the monitor.
- 2. Press the Num + CAM-G keys to select the input camera group to be decoded and displayed on the monitor.



Notes:

- In the local live view mode when you input *0+MON* keys, the multi-division display mode is not supported.
   When you press the *0+CAM* keys, it will stop the dynamic decoding of the current window.
- Corresponding error message will appear on the screen when you perform wrong operation.

### 5.3.4 Setting Camera Group to Window

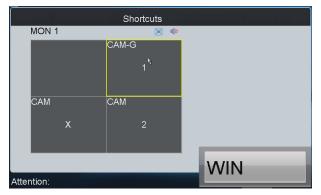
The video signal from the camera group can be outputted to and displayed on the selected window of monitor in cycle.

*Note:* The dwell time for the cycle view is set in the input group setting interface, refer to Setting Input Group. *Steps*:

- 1. Press the Num + MON keys to select the monitor.
- 2. Press the Num + WIN keys or directly touch on the screen to select the display window.
- 3. Press the Num + CAM-G keys to select the camera group.

Example: You can input the "1+MON, 2+WIN, 3+CAM-G" keys to decode the video signal from camera group 3 and display it on window 2 of the monitor 1.

*Note:* In the local live view mode when you input *0+MON* keys, the cycle view function is not supported. When you press the *0+CAM* keys, it will stop the dynamic decoding of the current window.



*Note:* Corresponding error message will appear on the lower-left corner of the screen when you perform wrong operation.

## 5.3.5 Setting Camera Group to Monitor Group

The selected camera group signal can be outputted and displayed by the decoding channel on the selected monitor group.

- When the number of cameras in the camera group is equal to or less than the number of monitors in the monitor group, e.g., 8 cameras →9 monitors, then each camera will be displayed on its corresponding monitor respectively, e.g., camera 1 on monitor 1, and camera 8 on monitor 8, etc.
- When the number of cameras in the camera group is more than the number of monitors in the monitor group, e.g., 34 cameras →16 monitors, then the camera 1-16 will be displayed on monitor 1-16, camera 17-32 on monitor 1-16, and camera 33-34 on monitor 1-2 in cycle view mode.

*Note:* The default dwell time of cycle view is 30 sec.

### Steps:

1. Press the *Num* + *MON-G* keys to select the monitor group.

Press the Num + CAM-G keys to select the camera group to be viewed in cycle on the specified monitor group.
 Note: In this operation mode, each output channel in the selected monitor group will be displayed on the screen in 1-division mode by default.

	Shortcuts	
MON-G 1		
CAM-G 1		
		CAM-G
Attention:		

## 5.3.6 Setting a Tour

Up to 64 cameras can be set in a tour, with the dwell time configurable. The default dwell time is 30 seconds.

When the system is not in the playback mode, you can directly press the SET key then the Num + TOUR keys to enter the tour settings interface.

### Steps:

- 1. Press the SET key to enter the tour settings interface.
- 2. Press the Num + TOUR keys to set the selected tour.
- 3. Press the Num + ENTER keys to set the dwell time of the camera and the camera number.
- 4. Repeat Step 3 to set other cameras.
- 5. Press the SET key to finish the tour settings.

Note: The tour settings will not be saved after the keyboard is rebooted.

S	hortcuts
	Set: TOUR 1 Dwell Time: 5 CAM:
Attention:	ENTER

Up to 8 tours can be supported currently.

The dwell time of the tour is the length of time used for switching from one camera to the next camera in the tour. All cameras are set with the same dwell time.

Notes:

- When the device is restarted, all the tour settings will be invalid.
- All programmed parameters will be cleared if you press the Num + TOUR keys again in the process of setting tour.
- Corresponding error message will appear on the screen when you perform wrong operation.

## 5.3.7 Calling a Tour

### Steps:

- 1. Press the Num + MON keys to select the monitor for display.
- 2. Press the Num + TOUR keys to call the programmed tour to be displayed on the selected monitor.



## 5.3.8 Setting a Group Tour

enter the group tour settings interface.

Multiple camera groups can be displayed on the specified monitors in tour respectively. Each user account is allowed to set up to 8 group tours, and each group can include 8 camera groups to specified monitors. When the system is not in the playback mode, user can directly press the SET key and then Num + GROUP keys to

### Steps:

- 1. Press the SET key to enter the settings interface.
- 2. Press the Num + GROUP keys to set the group tour.
- 3. Press the Num + ENTER keys to set the monitor (MON) number.

- 4. Press the Num + ENTER keys to set the camera group (CAM-G) number.
- 5. Repeat step 3-4 to set other monitors and camera groups.
- 6. Press the SET key to finish the group tour settings.

	Shortcuts			
MON 1 CAM	8	<b>(</b> 0	Set: GROUP 1	
	1,2		Monitor: CAM-G:	3
Attention:			ENTE	R

### Notes:

- The group tour settings will not be saved after keyboard reboot. And if you press the Num + GROUP keys in the process of setting the group tours, all previous settings will be cleared.
- Corresponding error message will appear on the screen when you perform wrong operation.

## 5.3.9 Calling a Group Tour

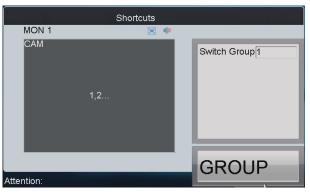
Multiple camera groups can be automatically displayed on related monitors respectively in tour by calling the programmed group tour, e.g., camera group 1 on monitor 1, camera group 2 on monitor 2, etc.

If multiple camera groups are configured for the same monitor, then it is available for the display of the last programmed camera group only.

The dwell time of group tour can be configured.

### Steps:

Press the *Num* + *GROUP* keys to directly call the programmed group tour.

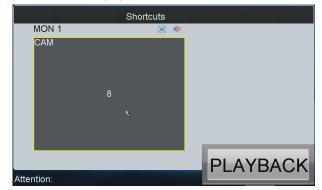


## 5.3.10 Operating Instant Playback

The recording files of the previous 5 seconds can be played back via the keyboard instantly. *Steps:* 

- 1. Press the Num + MON keys to select the monitor.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the Num + CAM keys to select the camera.

4. Press the 🕨 key to enter the instant playback interface.



### Notes:

- The local playback by time is not supported.
- You can press the 🕒 button to stop the instant playback.

**Other playback operation:** Rotate the outer ring of the shutter in clockwise direction to speed up the playback, with the max. speed capable of reaching 16X. And by rotating the outer ring of the shutter in anti-clockwise direction you can speed down the playback, with the min. speed capable of reaching 1/16X.

### 5.3.11 Operating Image Switch

### Steps:

- Set the usage of the Aux Key as the Video Wall/Scene Switch.
   Please refer to the AUX Key Settings for detailed instructions.
- Check the No. of Wall/Scene you want to set.
   Please refer to the 4.4.4 Setting Video Wall / Scene for detailed instructions.
- 3. Press Num + AUX keys to select the video wall/scene.
- 4. Press Num + WIN keys to select the screen (not for video wall).
- 5. Press Num + CAM/CAM-G to switch the selected camera or camera group on the screen.



6. Press 0 + CAM keys to stop decoding.

# 5.4 PTZ Control

## **5.4.1 PTZ Control Function**

If the camera connected to the keyboard supports PTZ function, you are allowed to operate the LIGHT/FOCUS/IRIS/ZOOM/WIPER buttons to realize PTZ control.

Two operation methods can be used to realize PTZ control:

### Method 1:

1. Press the Num + MON keys to select the monitor.

2. Press the *Num* + *WIN* keys to select the display window.

*Note:* When the current window is in cycle view mode, the keyboard will be unable to automatically connect with the camera and now it is invalid to operate the joystick.

### Method 2:

- 1. Press the Num + CAM keys to directly select the camera.
- When the camera connected to the keyboard supports PTZ function, operate the joystick and LIGHT/WIPER/FOCUS±/IRIS±/ZOOM buttons to realize PTZ control.

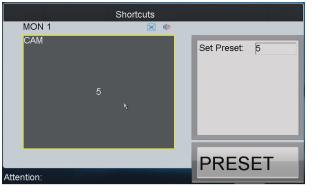
## 5.4.2 Setting a Preset

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Operate the joystick to move PTZ to the desired position and then press the PRESET key to complete the preset settings. You are also allowed to directly select the camera by inputting Num + CAM keys and then press the PRESET key to start patrol settings.

### • Setting a Preset by Output Channel

### Steps:

- 1. Press the *Num* + *MON* keys to select the output channel.
- 2. Press the *Num* + *WIN* keys to select the display window.
- 3. Operate the joystick to move PTZ to the desired position.
- 4. Press the *Num* + *PRESET* keys to set the current position as the preset with entered number.



*Note:* Corresponding error message will appear on the screen when you perform wrong operation.

Setting a Preset by Input Channel

### Steps:

- 1. Press the Num + CAM keys to select the input channel.
- Operate the joystick to move PTZ to the desired position.
   Press the Num + PRESET keys to set the current position as the preset with entered number.



### Notes:

- It is invalid to input the 0+CAM keys in the current operation mode.
- Corresponding error message will appear on the screen when you perform wrong operation.

### 5.4.3 Calling a Preset

The programmed preset can be called to achieve the desired position. Select the output monitor or window and then press the *CALL* key on the keyboard to call the preset. You are also allowed to directly select the camera by pressing Num + CAM keys and then press the *CALL* key to realize preset callup.

### • Calling a Preset by Output Channel

### Steps:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the *Num* + *WIN* keys to select the display window.
- 3. Press the Num + CALL keys to call the programmed preset.

Note: This operation is valid only when the preset function is supported by the connected camera/dome.



*Note:* Corresponding error message will appear on the screen when you perform wrong operation.

• Calling a Preset by Input Channel

### Steps:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the Num + CALL keys to call the programmed preset.

*Note:* It is invalid to input the 0+CAM keys in the current operation mode.



*Note:* Corresponding error message will appear on the screen when you perform wrong operation.

## 5.4.4 Setting a Patrol

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Press the SET key on the keyboard and then press PATROL key to enter the patrol settings interface. You are also allowed to directly select the camera by inputting Num + CAM keys and then press the SET key to start patrol settings.

### • Setting a Patrol by Output Channel

### Steps:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the SET key to enter the settings interface.
- 4. Press the Num + PATROL keys to enter the patrol settings interface.
- 5. Input Num and press the ENTER key to set the preset number, stop time and speed respectively.
- 6. Repeat Step5 to set other presets.
- 7. Press the SET key again to finish the patrol settings.



### Notes:

- Corresponding error message will appear on the screen when you perform wrong operation.
- All programmed parameters will be cleared if you press the Num + PATROL keys again in the process of setting the patrol.

#### • Setting a Patrol by Input Channel

### Steps:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the SET key to enter the settings interface.
- 3. Press the Num + PATROL keys to enter the patrol settings interface.

- 4. Input Num and press the ENTER key to set the preset number, stop time and speed respectively.
- 5. Press the SET key again to finish the patrol settings.

Shortcuts	
CAM 5	
ħ	Set: PATROL 1 Preset: 2 Dwell Time: 10 Speed: 30
Attention:	ENTER

### Notes:

- It is invalid to input the 0+CAM keys in the current operation mode.
- Corresponding error message will appear on the screen when you perform wrong operation.

## 5.4.5 Calling a Patrol

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Press the PATROL key on the keyboard to call the programmed patrol. You are also allowed to directly select the camera and then press the PATROL key to realize patrol callup.

### • Calling a Patrol by Output Channel

### Steps:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the *Num + PATROL* keys to call the programmed pattern.

Note: This operation is valid only when the patrol function is supported by the connected camera/dome.



Note: Corresponding error message will appear on the screen when you perform wrong operation.

### • Calling a Patrol by Input Channel

### Steps:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the Num + PATROL keys to call the programmed patrol.

*Note:* It is invalid to input the *0+CAM* keys in the current operation mode.



*Note:* Corresponding error message will appear on the screen when you perform wrong operation.

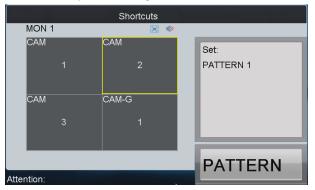
## 5.4.6 Setting a Pattern

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Press the SET key on the keyboard and then press PATTERN key to enter the pattern settings interface. You are also allowed to directly select the camera and then press the SET key to start pattern settings.

• Setting a Pattern by Output Channel

Steps:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the SET key to enter the settings interface.
- 4. Press the Num + PATTERN keys to set the pattern number.
- 5. Operate the joystick to control PTZ movement.
- 6. Press the SET key again to finish the pattern settings.

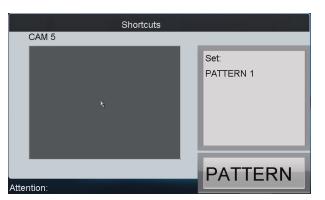


*Note:* It is invalid to input the *0+CAM* keys in the current operation mode.

### • Setting a Pattern by Input Channel

Steps:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the SET key to enter the settings interface.
- 3. Press the Num + PATTERN keys to set the pattern number.
- 4. Operate the joystick to control PTZ movement.
- 5. Press the SET key again to finish the pattern settings.



Note: Corresponding error message will appear on the screen when you perform wrong operation.

## 5.4.7 Calling a Pattern

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Press the PATTERN key on the keyboard to call the programmed pattern. You are also allowed to directly select the camera by inputting Num + CAM keys and then press the PATTERN key to realize pattern callup.

#### • Calling a Pattern by Output Channel

Steps:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the *Num* + *WIN* keys to select the display window.
- 3. Press the *Num* + *PATTERN* keys to call the programmed pattern.

Note: This operation is valid only when the pattern function is supported by the connected camera/dome.

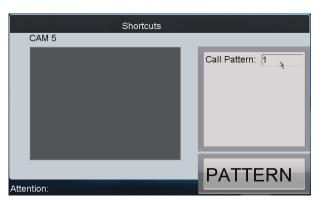
		Shortcuts	
MON 1		💌 🔍	
САМ	1	CAM 2	Call Pattern: 1
CAM		CAM-G	
		1	
Attention:			PATTERN

• Calling a Pattern by Input Channel

#### Steps:

- 1. Press the *Num* + *CAM* keys to select the input channel.
- 2. Press the *Num* + *PATTERN* keys to call the programmed pattern.

*Note:* It is invalid to input the *0+CAM* keys in the current operation mode.



Note: Corresponding error message will appear on the screen when you perform wrong operation.

## 5.4.8 Calling Pan Scan

Select the output monitor or window and the keyboard is capable of automatically connecting with its corresponding camera. Press the PATTERN key on the keyboard to call the pan-scan. You are also allowed to directly select the camera by inputting Num + CAM keys and then press the PATTERN key to realize pan-scan callup.

#### • Calling Pan-scan by Output Channel

Steps:

- 1. Press the *Num* + *MON* keys to select the output channel.
- 2. Press the *Num* + *WIN* keys to select the display window.
- 3. Press the PATTERN key to call the pan-scan.
- 4. Press the *PATTERN* key again to stop the pan-scan.

*Note:* This operation is valid only when the pattern function is supported by the connected camera/dome.

#### • Calling Pan-scan by Input Channel

#### Steps:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the PATTERN key to call the pan-scan.
- 3. Press the PATTERN key again to stop the pan-scan.

*Note:* It is invalid to input the *0+CAM* keys in the current operation mode.

Note: Corresponding error message will appear on the screen when you perform wrong operation.

## 5.5 Aux Functions

The keyboard is designed with AUX1 and AUX2 keys on its panel. You are allowed to configure Aux function for AUX1/AUX2 key on the operator user interface. By default settings, the AUX1 is selected to two-way audio and the AUX2 to picture capture function.

### 5.5.1 Two-way Audio

The two-way audio between the keyboard and the currently selected device can be realized through Aux key. Start two-way audio with the output channel:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the AUX1/AUX2 key to start two-way audio.

Start two-way audio with the input channel:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the AUX1/AUX2 key (configured with the Two-way Audio function) to start two-way audio.
- During the two-way audio:
- 1. You can stop it by pressing the 0+AUX1/AUX2 keys;
- When you input Num + MON keys and then presses the AUX1/AUX2 key, it will switch the keyboard to take two-way audio with the nearest device;
- 3. If it needs to take two-way audio with the camera, it needs to press the ESC key, input the *Num + CAM* keys and then press the *AUX1/AUX2* key to start the two-way audio.

When the network is disconnected in the process of two-way audio, you should press the *0+AUX1/AUX2* keys to stop the two-way audio first and then start it again. When you intend to start the two-way audio between the keyboard and the remote device which is taking two-way audio with other device, the error message will appear on the screen.

*Note:* When the current window is configured with more than channels for display (in cycle view mode), the error message will appear on the screen as well.

### 5.5.2 Picture Capture

The video picture from the camera can be captured and saved in U-flash disk or uploaded to FTP server through the keyboard operation.

Operation method 1:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the *AUX1/AUX2* key (configured with the Picture Capture function) to start picture capture. Operation method 2:
- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the central button of the joystick.
- The captured picture will be uploaded to FTP server (when FTP server is configured) or saved in the local U-flash disk.

*Note:* When the current window is configured with multiple channels for display (in cycle view mode), the error message will appear on the screen as well.

## 5.5.3 Recording

The video from the camera can be recorded and saved in the local U-flash disk or uploaded to FTP server as well. Operation method 1:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the *Num* + *WIN* keys to select the display window.
- 3. Press the REC key to start video recording.

Operation method 2:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the REC key to start video recording.

*Note:* During the recording, the REC key on the keyboard lights in red. When you exit the operation interface, the recording continues and you are allowed to stop it. When the window is configured with multiple channels for display (in cycle view mode), the error message will appear on the screen. And if the current window or output channel is performing playback by time, then the recording operation is not allowed.

### **5.5.4 Other Functions**

The PREV and NEXT keys on the keyboard are used to select the previous or next camera during the shortcut operation.

Operation method 1:

- 1. Press the Num + MON keys to select the output channel.
- 2. Press the Num + WIN keys to select the display window.
- 3. Press the *PREV/NEXT* key to select the previous or next camera.

*Note:* If the current window is not in the dynamic decoding mode, it is invalid to press the PREV/NEXT key. When the window is configured with multiple channels for display (in cycle view mode), the error message will appear on the screen.

Operation method 2:

- 1. Press the Num + CAM keys to select the input channel.
- 2. Press the *PREV/NEXT* key to select the previous or next camera.

## **Chapter 6 Keyboard Configuration by WEB Server**

You are also allowed to configure the keyboard parameters by WEB server.

## 6.1 Configuring by Admin

## 6.1.1 Login

Open WEB browser, input the IP address of the keyboard (e.g., http://172.6.24.64) and click Enter.

The system pops up a login interface. Input the user name (admin) and password (default: 12345), and then click **OK** to log into the keyboard.

Windows Security	
The server 172.6.23.11 at Net Keyboard requires a username and password.	
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).	
admin  admin  Constant of the second	
	_
OK Cancel	]

After successful login, you enter the main interface:



### 6.1.2 Keyboard Management

Click Keyboard on the left navigation bar to enter the Keyboard management interface:

Version	Hardware		
Keyboard	Taluwale		
User	Sound Effect:	Alarm Sound:	Key Light:
Device	💿 On 🌑 Off	🝳 On 🌑 Off	💿 On 🔍 Off
Work Status	0 0.11		
Default	Screen Brightness:		
Upgrade	Background Contrast:	Non Transparent	<b>*</b>
Import/Export Config File Reboot	Keyboard Lock Delay:	0	Minute(s)
Shutdown	Screen Off Delay:	10	Minute(s)
	Save		
	Network		
	IP Address:	172.6.23.190	
	Port:	8000	
	Subnet Mask:	255.255.255.0	
	Default Gateway:	172.6.23.1	
	Perferred DNS Server:		
	Alternate DNS Server:		
	Save		

On this interface, you can configure the hardware and network parameters of the keyboard.

## 6.1.3 User Management

Click User on the left navigation bar to enter the User management interface:

Version	Add	Delete			
Keyboard					
User		User Name	Device	Change Password	Delete
Device		admin		<b>~</b>	
Work Status		01	80	<b>&amp;</b>	2
Default					
Upgrade					
Import/Export Config File					
Reboot					
Shutdown					

On this interface, you can add, edit or delete the user account.

#### Adding a User

Click the **Add** button to enter the Add Users interface. Input the user name and password to create a new user account.

Add Users		×
UserName:	04	]
New Password:	•••••	
Confirm Password:	•••••	]
		Ok

#### Editing a User

Select a user from the list and click the  $\bigotimes$  icon to enter the following interface to change its password.

Change Password		×
UserName:	02	
New Password:		
Confirm Password:		
		Ok

#### **Deleting a User**

Select a user from the list and click the 🔤 icon. In the pop-up message box, click **OK** to delete the selected user

account.

Message from webpage	×
Are you sure to delete th	is user?
ОК	Cancel

#### Setting User-Device

Select a user from the list and click the **button** button to enter the User-Device interface.

User Device					×
Add Delete					
Device Type	Device Name	IP Address	Port	Status	Delete
		Total 0 items	Page 0/0 14 4	▶ № то	▼ P

On this interface, you can add device for the current user.

Click **Add** to enter the User-Add Device interface on which it displays all devices already added to the keyboard by *admin.* 

User I	Device					
Add	Delete					
	Device Type	Device Name	IP Address	Port	Status	Delete
-	DVR	7308HF	172.10.26.25	8000	Online	8
	Unknown		172.10.21.151	8000	Offline	8
	Unknown		172.6.23.121	8000	Offline	8
·	IPC	IP CAMERA	172.6.23.136	8000	Online	<b>8</b>
	Unknown		172.6.23.106	8000	Offline	<b>2</b>
-	Unknown		172.6.23.42	8000	Offline	8
	Unknown		172.6.22.87	8000	Offline	<b>8</b>
	DEC	Embedded multiDecoder	172.6.22.64	8000	Online	8
	Unknown		172.6.21.32	8000	Offline	8
			Total 9 items	Page 1/1 4	∢ ⊳ ⊵i To	• 1 ▼P

Select the device (s) from the list and then click Add button to finish the adding of device (s) for the current user.

User	Device					
Add	Delete					
	Device Type	Device Name	IP Address	Port	Status	Delete
	DVR	Embedded Net DVR	172.6.22.101	8000	Online	8
	MATRIX ACCESS GATEWAY	Video Matrix	172.9.122.253	8000	Online	8
	IPDOME	Net IPDOME	172.6.22.202	8000	Online	2
			Total 3 items	Page 1/1 🛛	I I D D To	• 1 <b>▼</b> P

On the User-Device interface, you can view the successfully added devices for the current user.

You can also select the device from the list and click the 📓 icon to delete it.

## 6.1.4 Device Management

Click **Device** on the left navigation bar to enter the Device management interface:

Basic Information	Add	Delete										
Keyboard		Device Type	Device Name	IP Address	Port	Status	_	Edit	_	D	elete	
User		Unknown	Dence Manie	172.6.23.72	8000	Offline		2010			2	
Device		Unknown		172.6.23.12	8000	Offline		8			e× 2	
Work Status		IP Camera	1	172.6.23.6	8000	Online		87 82			c× 2	
Restore Default		Unknown	1	172.6.23.65	8000	Offline		e/ 8/			cx 2	
Upgrade		DEC	Embedded multiDecoder	172.6.22.190	8000	Online		8/ 8/			c# 2	
Import/Export Config. File		Unknown	Embedded multiDecoder	172.6.22.190	8000	Offline					€¥ ₽2	
Reboot		Unknown		1/2.0.21.104	0000	Olime		8			č:	
Shutdown												
						Total 6 items	Page 1/1	14	<b>۱</b>		To 1	P

On this interface, you can add, edit or delete the device.

#### Adding a Device

Click **Add** to enter the Add User interface. Input the name, IP, port and login user name/password of the device to add.

Click **OK** to finish the adding of the device.

Add Device		
Device Name:	6400HDI-S	
IP/Domain:	172.6.22.65	
Port:	8000	
User Name:	admin	
Password:	••••	

The successfully added devices will be displayed on the list of Device Interface.

#### **Editing a Device**

Select a device from the list and click the 📓 icon to enter the following interface to change its Device Name.

Edit Device		
Device Name:	Embedded multiDecoder	
IP/Domain:	172.6.22.190	
Port:	8000	
User Name:	admin	
Password:		

#### **Deleting a Device**

Select a device from the list and click the 📓 icon to delete it.

### 6.1.5 Maintenance

#### **Checking Device Work Status**

Click the Work Status on the left navigation bar to check the work status of the keyboard.

Basic Information										
Keyboard										
User	Rem	ote Host Address	172.6.	23.6		Remote	Host Port:	8000		
Device	Rem	ote Host Channe	I No.: 1			Transm	ission Protocol:	TCP		
Work Status	Stre	am Type:	Main S	tream	~	User Na	ame:	admin		
Restore Default Upgrade	Pas	sword:								
Import/Export Config. File	e Decod		10							
Reboot		· ·				1 145.64		101 5 1	101 5 5 .	<u> </u>
Shutdown		Camera No.	Decoding Status Remote Live View	Encoding Type Standard 264	Package Format	Image Width 1920	Image Height 1080	Video Format PAL	25	Decoded Video Frame Rate 570
			Remote Live view	Standard 264	RIP	1920	1080	PAL	20	570

#### **Restoring Default**

Click the Restore Default on the left navigation bar to enter the default interface.

Basic Information		
Keyboard		
User	🗊 Restore ti	he default settings?
Device	INCOMP IN	le deladit settings?
Work Status		
Restore Default	Complete	Simple
Upgrade		
Import/Export Config. File		
Reboot		
Shutdown		

Select the default type on your demand, Complete and Simple are selectable.

Please refer to *Default* for the details of two default types.

#### Import/Export Configuration File

Click the **Import/Export Config. File** on the left navigation bar to enter the configuration file management interface.

*Note:* For the first time use of the import/export configuration file function, a plug-in needs to be installed. A hint will appear on the lower-half of the screen:" Please click here to download and install the plug-in. Close the browser when installing the plug-in." Click the hint and follow the pop-up instruction to install the plug-in.

Import/Export Configuration file	
Import Configuration file:	
Configuration file:	Browse
Status:	Import
Export Configuration file:	
Status:	Export
Please click here to download and install the plug-in.	Close the browser when installing the plug-in.

To import the configuration file, click the **Browse** button and specify the directory of the file in the pop-up box, and click the **Import** button.

To export the configuration file, click the **Export** button and specify the saving directory of the exported file.

#### Upgrade

Click the **Upgrade** on the left navigation bar to enter the upgrade interface.

Basic Information		
Keyboard	Upgrade file:	Browse
User		
Device		
Work Status	Status:	Upgrade
Restore Default		
Upgrade		
Import/Export Config. File		
Reboot		
Shutdown		

Click the **Browse** to select the upgrade file directory in the pop-up box. Click the **Upgrade** button.

## 6.2 Configuring by Operator

### 6.2.1 Device List

On the login interface, input the user name and password of *operator*, and then click **OK** to log into the keyboard.

Windows Security
The server 172.6.24.64 at Hikvision requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
01 Password Remember my credentials
OK Cancel

	Device List					
Device List	Device Type	Device Name	IP Address	Port	Status	Configuration
Input Settings	IP Camera	1	172.6.23.6	8000	Online	<b>&amp;</b>
Output Settings	DEC	Embedded multiDecoder	172.6.22.190	8000	Online	
Aux Key Password	DVR	71HWI-SL	172.6.23.71	8000	Online	≥
Password Performance						
FTP Settings						
Reboot						
Shutdown						
Shutuown						
			Total	3 items Page 1/	1  ∢ ∢ ▶	▶l To 1 💌
			Iotai	Jitems Page I/		

On the device list, select an encoding device and click the 😺 icon to enter the Network-Stream media interface to configure stream media for the device.

Device list Stre	aam media	×
Enable		
Server IP	0.0.0.0	
Server Port	0	
Stream Protocol:	ТСР	
		ОК

## 6.2.2 Input Settings

Click Input Settings on the left navigation bar to enter the Input List interface:

Device List	Input Group	Channel-zero					
Input Settings	No.	Camera Name	Device	Туре	IP Address	Port	Edit
Output Settings Aux Key	1	DS-2CD4232FWD-IS	1	IP Camera	172.6.23.6	8000	2
Password	2	Camera 01	71HWI-SL	DVR	172.6.23.71	8000	2
Performance	3	Camera 02	71HWI-SL	DVR	172.6.23.71	8000	8
FTP Settings	4	Camera 03	71HWI-SL	DVR	172.6.23.71	8000	8
Reboot	5	Camera 04	71HWI-SL	DVR	172.6.23.71	8000	2
Shutdown	6	Camera 05	71HWI-SL	DVR	172.6.23.71	8000	8
	7	Camera 06	71HWI-SL	DVR	172.6.23.71	8000	۵
	8	Camera 07	71HWI-SL	DVR	172.6.23.71	8000	8
	9	Camera 08	71HWI-SL	DVR	172.6.23.71	8000	≫
				Total 9 iter	ms Page 1/1	I4 4 > >I	то 1 🕐 Р

#### **Editing a Camera**

By selecting a camera from the list and clicking the 🔗 icon, you are allowed to edit its name, No., protocol and stream type.

Camera Name:	Camera 02			
Camera No.:	3		(Range from 1 to 999999)	
Protocol:	ТСР	~		
Stream Type:	Main Stream	*		
Device:	71HWI-SL			
IP Address:	172.6.23.71			
Port:	8000			

#### Setting a Camera Group

1. Click the **Group** button on the Input List to enter the Input Group interface:

ect All Cameras Add Camera
s Port Delete

- 2. Select the Group No. and edit the cycle time in the given text filed, and click **Set** button.
- 3. Click the Add Camera key to enter the Add Camera interface:
- 4. Select the cameras from the list to be added to the group, and then click Add to finish the setting.

	No.	Camera Name	Device	Туре	IP Address	Port
	1	DS-2CD4232FWD-IS	1	IP Camera	172.6.23.6	8000
	2	Camera 01	71HWI-SL	DVR	172.6.23.71	8000
<b>~</b>	3	Camera 02	71HWI-SL	DVR	172.6.23.71	8000
	4	Camera 03	71HWI-SL	DVR	172.6.23.71	8000
<b>~</b>	5	Camera 04	71HWI-SL	DVR	172.6.23.71	8000
		Camera 05	71HWI-SL	DVR	172.6.23.71	8000
	7	Camera 06	71HWI-SL	DVR	172.6.23.71	8000
	8	Camera 07	71HWI-SL	DVR	172.6.23.71	8000
	9	Camera 08	71HWI-SL	DVR	172.6.23.71	8000
			Total 9 items	Page 1/1	I 4 ▶ ▶ To	1 💌 P

5. Return to the Input Group interface, and you can view the successfully added cameras for the current group.

ttings I	Input Group					
: 2	Cycle Time:	10 5	et	Delect All	Cameras	Add Camera
No.	Camera Name	Device	Туре	IP Address	Port	Delete
1	Camera 01	71HWI-SL	DVR	172.6.23.71	8000	2
1		71HWI-SL	DVR	172.6.23.71	8000	2
2		71HWI-SL	DVR	172.6.23.71	8000	2
3		71HWI-SL	DVR	172.6.23.71	8000	2
	2 No. 1 1 2	No. Camera Name 1 Camera 01 1 2	2     V     Cycle Time:     10     S       No.     Camera Name     Device       1     Camera 01     71HWI-SL       1     71HWI-SL       2     71HWI-SL	Cycle Time:         10         Set           No.         Camera Name         Device         Type           1         Camera 01         71HWI-SL         DVR           1         71HWI-SL         DVR           2         71HWI-SL         DVR	Z         Cycle Time:         10         Set         Delect All           No.         Camera Name         Device         Type         IP Address           1         Camera 01         71HWI-SL         DVR         172.6.23.71           1         71HWI-SL         DVR         172.6.23.71           2         71HWI-SL         DVR         172.6.23.71	Z         Cycle Time:         10         Set         Delect All Cameras           No.         Camera Name         Device         Type         IP Address         Port           1         Camera 01         71HWI-SL         DVR         172.6.23.71         8000           1         71HWI-SL         DVR         172.6.23.71         8000           2         71HWI-SL         DVR         172.6.23.71         8000

#### Viewing Channel-zero

Click the Channel-zero button to show the list of device which support the Channel-zero function.

ettings Channel-zero			
Device	Device Type	IP Address	Port
Embedded Net DVR	DVR	172.6.23.71	8000
Embedded Net DVR	DVR	172.6.23.65	8000
	Total 2	2 items Page 1/1 🕅 🖣	i 🕨 🕅 To 1

## 6.2.3 Output List

Device List	Output Group	Video Wall/Scene					
Input Settings	No.	Output Type	Device	Туре	IP Address	Port	Edit
Output Settings Aux Key	1	VGA1	Embedded multiDecoder	DEC	172.6.22.190	8000	2
Password	2	VGA2	Embedded multiDecoder	DEC	172.6.22.190	8000	2
Performance	3	VGA3	Embedded multiDecoder	DEC	172.6.22.190	8000	8
FTP Settings	4	VGA4	Embedded multiDecoder	DEC	172.6.22.190	8000	8
Reboot	5	VGA5	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
Shutdown	6	VGA6	Embedded multiDecoder	DEC	172.6.22.190	8000	8
	7	VGA7	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	8	VGA8	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	9	BNC1	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	10	BNC2	Embedded multiDecoder	DEC	172.6.22.190	8000	🤣
	11	BNC3	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	12	BNC4	Embedded multiDecoder	DEC	172.6.22.190	8000	🤣
	13	HDMI1	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	14	HDMI2	Embedded multiDecoder	DEC	172.6.22.190	8000	🤣
	15	HDMI3	Embedded multiDecoder	DEC	172.6.22.190	8000	🥪
	16	HDMI4	Embedded multiDecoder	DEC	172.6.22.190	8000	🤧
				Total 20 item	s Page 1/2 🖌 🕻	I <b>)⊳)</b> I To	0 <mark>1 ⊻</mark> P

Click **Output Settings** on the left navigation bar to enter the Output List interface:

#### **Editing an Output Channel**

By selecting an output channel from the list and clicking the 🔗 icon, you are allowed to edit its output No..

Output Setti	ngs Edit Output		×
Output No.:	1	(Range from 1 to 999999)	
Output Type:	VGA1		
Device:	Embedded multiDecoder		
IP Address:	172.6.22.190		
Port:	8000		
			ОК

#### Setting an Output Group

Click the **Output Group** key on the Output List to enter the Output Group interface to add an output group. Please refer to the same operating steps in *Setting an Input Group* section.

#### Setting Video Wall/Scene

Click the Video Wall/Scene button on the Output List to enter the video wall / scene setting interface.

1	Video Wall 01	Embedded multiDecoder	172.6.22.190	8000	
2	Video Wall 02	Embedded multiDecoder	172.6.22.190	8000	
3	Video Wall 03	Embedded multiDecoder	172.6.22.190	8000	- 1
4	Video Wall 04	Embedded multiDecoder	172.6.22.190	8000	5

Click the ಶ icon to edit the video wall / scene No..

## 6.2.4 AUX Functions

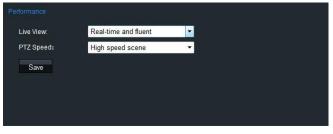
Click the Aux Key on the left navigation bar to enter the Aux Key settings interface:

Aux Key 1:	Two-way Audio	•
Aux Key 2:	Picture Capture	 •
Save		

On this interface, you can set the function of Aux Key 1 / Aux Key 2 to two-way audio, picture capture, or video wall/scene switch.

## 6.2.5 Live View & PTZ Speed Settings

Click **Performance** on the left navigation bar to enter the network performance and PTZ speed settings interface. It allows you set the network performance of local live view on keyboard. Five levels are selectable. You can also set the PTZ movement speed of the connected PTZ camera by using the joystick. Four levels are selectable.

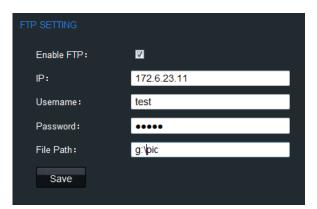


## 6.2.6 FTP Server Settings

The video files or captured pictures can be uploaded to FTP server.

Steps:

1. Click Ftp Setting on the left navigation bar to enter the FTP settings interface.



- 2. Check the checkbox of Enable FTP.
- 3. Enter the IP address of the FTP server.
- 4. Enter the user name and password of login to the FTP server.
- 5. Enter the file path to which the video files and captured pictures are uploaded.
- 6. Click **Save** to save the settings.

## **Chapter 7 Keyboard Configuration Tool**

#### Purpose:

The configuration tool of the PTZKB836 keyboard is used to facilitate the parameters configuration of the keyboard.

## 7.1 System Requirements

System requirement: 32-bit Windows XP / Windows 7.

Running conditions: please place the application program in the same directory where the *HCNetSDK.dll*, *hpr.dll*, and *Sadp.dll* files locate. If the *SADP* software is not useable, please install the *WinPcap\_4\_1\_2.exe* first.

## 7.2 Features

The following functions can be realized by operating the keyboard configuration tool:

- Add/Edit/Delete the user account.
- Add/Edit/Delete the device under the *Administrator*.
- Add/Delete the device under the *Operator*.
- Link the device to stream media server in single/batch mode.
- Delete the channel under the Operator.
- Save channel information of the user to local directory in text document.
- Import/Export the configuration file.
- Export the input/output list as the *.txt* file.
- Upgrade the keyboard.

## 7.3 Selecting Login Mode to Configuration Tool

Run the application program to enter the following interface:



Select the mode for configuration. Three modes are selectable: Local Config File, Remote Config File and Update Keyboard.

Local Config File: Use and edit the configuration file of the keyboard which has been exported to PC or local

storage device via U-flash disk.

- Remote Config File: Operate and edit the configuration file of the keyboard which has been exported to PC or local storage device via network.
- Update Keyboard: Upgrade the keyboard via network.

## 7.3.1 Login by Local Configuration File

#### Before you start

Make sure the configuration file (*kbCfg.bin*) of the keyboard has been exported to your PC or local storage device. Please refer to *Chapter Importing/Exporting Configuration File* for exporting the config file.

#### Steps:

1. Click Local Config File icon to enter the following Login interface:

Login			×
Config File:	rogram Files\Keyboard\kbCfg.bin		
Username:	admin		
Password:	•••••		
	Cancel		

2. Click is to select the destination directory of the Config File from your PC or local storage device.

*Note:* The Config File must be in *kbCfg* format.

- 3. Input the admin and password for login.
- 4. Click Login.

The configuration file will be backed up in the *backup* folder by default. If the file has already existed in the *backup* destination folder, corresponding message box will pop up. Click **OK** to replace the existing file, or **Cancel** to keep the original file.

ogin	
	Tips 23 Backup Folder already has config file,cover it ? OK Cancel
	Login Cancel

## 7.3.2 Export/Login by Remote Configuration File

#### Steps:

1. Click Remote Config File icon on the Mode Choose interface to enter the Config File interface.

- 2. Click use to select the saving directory for the configure file.
- 3. Input the IP address and port number of the keyboard.
- 4. Input the user name and password for login to the keyboard.
- 5. Click **Export** to export the keyboard configure file to the defined directory, or click **Export&login** to export log in the software.

Config file path:	C-10		Cile - V	Kaula		L-C	Car latin	
Comig nie paul.	c. yrog	raiii	ries	NC YL	Juaru	WDC.	ig.bin	
Keyboard IP:	172	÷	6	÷	22	÷	11	
Port:	8000							
Keyboard Username:	admin							
Keyboard Password:	•••••							]
Export & login			Ex	port				Import

- 6. On the Login interface, select the configure file directory, and input the user name and password for login. Refer to Step2-4 in *错误! 未找到引用源。*.
- 7. After successful login, you will enter the main interface.

## 7.3.3 Remote Upgrade

#### Steps:

1. Click Upgrade Keyboard icon on the Mode Choose interface to enter the Remote Upgrade interface.

🔊 Update Keyboard		×
Update Mode:	Firmware Update 🗸	
Update File	•	
Keyboard IP:	: 172 . 6 . 24 . 63	
Port:	: 8000	
Keyboard Username:	admin	
Keyboard Password:	: •••••	
Update Status:	0	%
Update	Cancel	
Notice:Pleas	se not shut down the Keyboard while updating!	

- 2. Select the Update Mode to Firmware Update.
- 3. Click is to select the update file from the local disk.

- 4. Input the IP address and port number of the keyboard.
- 5. Input the user name and password for login to the keyboard.
- 6. Click **Update** to start upgrading the keyboard. The upgrading process can be viewed on the Status bar.

*Note:* Please do not shut down the keyboard when the upgrading is not finished.

## 7.4 Configuring Keyboard by Configuration Tool

## 7.4.1 Managing Device List

After successful login by Local File or Remote File mode, you can enter the following interface:

🖉 Ienu						
Device	User	Channel	Maintain	0the	r Back	Cur-user: admin
🗌 Channel Index	Port		IP		Channel No.	
Channel Type			Channel Modify		Channel Delete	Save Channel information
Username:			New Index: 1			
Input Channel Dutp	out Channe Wa	all/Scene	Single	Batch	ihannel Deleti	Save info to a text file

Click the **Device** on the menu bar to enter the Device Management interface:

Device	User	Channel	Maintain	0ther	Back	Cur-user: admin
	🗆 IP		Port	Username		
	17	2.10.26.25	8000	admin		
Normal Add	17	2.10.21.151	8000	admin		
		2.6.23.121	8000	admin		
	17	2.6.23.136	8000	admin		
	17	2.6.23.106	8000	admin		
		2.6.23.42	8000	admin		
	17	2.6.22.87	8000	admin		
SADP Add		2.6.22.64	8000	admin		
	17	2.6.21.32	8000	admin		
	_					
Modify Device						
Delete Device						
Delete Device						

#### **Adding a Device**

You can add a device by manually or by SADP software.

#### Normal Mode:

1. Click **Normal Add** to enter the **Add Devices** interface.

2. Select the Type to Single or Batch.

Single IP: add single device each time.

Batch IP: add multiple devices located in the same network segment.

Ø Add Device	-	_	×	Ø Add Device				-	×	
				_	Details TD					
Type:	Single IP	•		l ype:	Batch IP			•		
IP:	172 . 6	. 22 . 10		Start IP:	172 .	6	. 22	. 10		
End IP:				End IP:	172 .	6	. 22	. 20		
Port:	8000			Port:	8000					
Username:	admin			Username:	admin					
Password:	••••			Password:	•••••					
							r			
Add		Cance		Add			l	Cance	el	

- Enter the device IP for Single IP mode, or the Start IP and the End IP for the Batch IP mode.
   Note: The start IP and the end IP must be within the same network segment.
- 4. Enter the Username and Password for login.
- 5. Click Add to add the device (s).

#### SADP Mode:

You can use the SADP software to automatically search and add the online devices in the same network.

1. Click SADP Add

to enter the **Search online devices** interface.

2. The automatically searched devices will be displayed on the list. Select a device from the list and click **Add** to enter the **Add Devices** interface.

~	Device Type	IP	Port	Device Serie	Device Series	
001	DS_8632N_ST	172.6.23.144	8000	DS-8632N-ST16		💋 Add Device
002	DS-2CD783F-EP	172.6.23.136	8000	DS-2CD783F-EP		
003	DS-7216HVI-SH	172.6.23.105	8000	DS-7216HVI-SH	Soft Version	
004	DS-2CD8153F-E	172.6.23.121	8000	DS-2CD8153F-E		
						Type: Single IP
					Sub Mask	
					0.0.0.0	IP: 172 . 6 . 23 . 144
					IP	End IP:
					0.0.0.0	End IP:
					Port	Port: 8000
					0	Username: admin
					MAC	
						Password:
					Add Cancel	Add Cancel

- 3. Enter the Username and Password for login.
- 4. Click Add to add the device.

The successfully added devices will be displayed on the list of **Device** interface.

Device	User	Channel	Maintain	Other Bac	k Cur-user: admin
	🗆 IP		Port	Username	
	17	2.10.26.25	8000	admin	
Normal Add	17	2.10.21.151	8000	admin	
		2.6.23.121	8000	admin	
		2.6.23.136	8000	admin	
		2.6.23.106	8000	admin	
		2.6.23.42	8000	admin	
		2.6.22.87	8000	admin	
SADP Add		2.6.22.64	8000	admin	
	17	2.6.21.32	8000	admin	
	_				
Madif. Davies					
Modify Device					
Delete Device					
Delete Device					

## Modifying a Device

Select a device from the list, and click	Modify Device	to enter the Modify Device interface:
_		
Ģ	Modify Device	×
	IP:	172 . 10 . 26 . 25
	Port:	8000
	Username:	admin
	Password:	
	Mc	dify Cancel

You are allowed to modify the port, login user name and password. Click **Modify** to finish the modification.

### **Deleting a Device**

Select the device(s) from the list and	click Delete Device . The following	message box pops up:
	Confirm to delete?	
	OK Cancel	

Click **OK** to confirm the deletion.

## 7.4.2 Managing User List

Click the **User** on the menu bar to enter the Device Management interface:

Main Menu						
Device	User	Channel	Maintain	Other	Back	Cur-user: admin
		ername				
Add User	01					
Delete User						
Modify Password						
:You can dick the use d devices!	er to					

## Adding a User Account

💋 Main Menu						
Device	User	Channel	Maintain	0ther	Back	Cur-user: adm
	Use	ername				
	Add U	ser				
Add User						
		Username: 01				
		Username. 01				
		Password:	•			
		nfirm Password ••••	-1	_		
Delete User		rhirm Password	•1			
		Add	Cancel			
				_	-	
	<b>-</b>					
Modify Password						

- 2. Enter the username and password.
- 3. Click **Add** to add the new user account.

The successfully added user accounts are listed on the interface:

Device	User	Channel	Maintain	Other	Back	Cur-user: admin
Add User	Usi 01 02	ername				
Delete User						
Modify Password						

## **Deleting a User Account**

1. Select the user account(s) from the list, and click \_\_\_\_\_\_. The following message box pops up:

Device	User	Channel	Maintain	0ther	Back	Current User:admin
· · · · ·		ername				
Add User	<ul> <li>✓ 01</li> <li>○ 02</li> <li>○ 03</li> </ul>					
	Tips		X			
	1	Confirm to de choosed?	ete all users			
Delete User						

2. Click **OK** to confirm the deletion.

## **Modifying Password**

1. Select a user account from the list, and click Modify Password to enter the Modify Password interface:

Modify Password			×
Username:	02		
New Password:	•••••		
Confirm Password:	•••••		]
OK		Cancel	

- 2. Enter the new password.
- 3. Click **OK** to finish the password modification.

#### Adding the Device to User

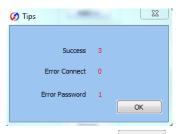
- 1. Select a user account from the list and double-click it to enter the User Devices interface.
- 2. Select a device or multiple devices from the device list on the left and then click

8000 8000 8000			
8000			
8000			
8000			
8000	Add>>		
8000			
8000			
8000			
8000			
	< <delete< td=""><td></td><td></td></delete<>		
	Stream		
	8000 8000 8000 8000	8000 Add>> 8000 8000 8000 8000 8000 8000 8000 80	8000 Add>> 8000 8000 8000 8000 8000 8000 8000 80

3. The device (s) successfully added for the current user will be displayed in the list on right.

Ø User's Device Manage	ement					×
□ IP	Port			□ IP	Port	
172.10.26.25	8000			172.6.23.136	8000	
172.10.21.151	8000					
172.6.23.121	8000					
172.6.23.106	8000					
172.6.23.42	8000					
172.6.22.87	8000		Add>>			
172.6.22.64	8000					
172.6.21.32	8000					
172.6.23.144	8000					
		1	< <delete< td=""><td></td><td></td><td></td></delete<>			
			( (Delete			
		U	Stream			

When you select multiple devices, the corresponding message box of the result will pop up:



You can select the added device from the list on right and click to delete it from the current user account.

#### **Adding Stream Media Server to Device**

1. On the User Devices interface, select a decoder or multiple decoders from the list of added devices on right,

and click Stream to enter the stream media server settings interface:

💋 Stream Media Setting	Part .	×
Stream Media Start: [	7	
Stream Media IP:		
Stream Media Port:	554	
Stream Media Potocol:	TCP Protocol	•
ОК	Canc	el

- 2. Check the checkbox of Stream Media Start to enable the stream.
- 3. Enter the Stream Media IP, Stream Media Port and the Stream Media Protocol (TCP/UDP).
- 4. Click **OK** to add the stream media server to the selected decoder(s).

*Note:* You can uncheck the checkbox of **Stream Media Start** and click **OK** to disable the stream media server for the device.

## 7.4.3 Managing Channel List

Click the **Channel** on the menu bar to enter the Channel Management interface:

Lenu						
Device	User	Channel	Maintain	Other	Back	Cur-user: admin
Channel Index	Port		IP	Ch	annel No.	
hannel Type			hannel Modify		Channel Delete	Save Channel informatio
Username:		N	ew Index: 1			-
Input Channel Du	tput Channe	Vall/Scene	Single	Batch	hannel Deleb	Save info to a text file

## Modifying Channel Index by Single

1. Enter the username of operator in the Channel Type field. Only the *operator* user account has the permission to operate channel management.

2.	Click	Input Channel	Output Channel	or	Wall/Scene	to get the channel list.

Device	User Channel	Maintain	Other Back <sub>Cur-t</sub>	user:admin
Channel Index	Port	IP	Channel No.	
1	8000	172.6.23.72	1	
2	8000	172.6.21.164	1	
3	8000	172.6.23.72	2	
50	8000	172.6.23.72	3	
5	8000	172.6.23.72	4	
6	8000	172.6.23.72	5	
7	8000	172.6.23.72	6	
8	8000	172.6.23.72	7	
9	8000	172.6.23.72	8	
51	8000	172.6.23.72	9	
52	8000	172.6.23.72	10	
53	8000	172.6.23.72	11	
54	8000	172.6.23.72	12	
55	8000	172.6.23.72	13	
56	8000	172.6.23.72	14	
57	8000	172.6.23.72	15	
58	8000	172.6.23.72	16	
50	0000	170 4 00 10	22	
nannel Type Username: 01		Channel Modify New Index: 50	Channel Delete Save Ch Thannel Delete Save in	nannel inform

- Select an item from the list, and enter the new index in the Channel Modify field.
   Note: The new index No. you enter must not exist in the channel list.
- 4. Click Single to finish the channel index modification.

#### **Modifying Channel Index in Batch**

- 1. Enter the username of operator in the Channel Type field. Only the *operator* user account has the permission to operate channel management.
- 2. Click Input Channel, Output Channel or Wall/Scene to get the channel or scene list.

Device	User	Channel	Maintain	0the	r	Back	Cur-user: admin	
Channel Index	Port		IP	(	Chan	nel No.		
1	8000		172.6.23.72		1			
2	8000		172.6.21.164		1			
] 3	8000		172.6.23.72		2			
50	8000		172.6.23.72	:	3			
5	8000		172.6.23.72		4			
6	8000		172.6.23.72	3	5			
51	8000		172.6.23.72		5			
52	8000		172.6.23.72		7			
53	8000		172.6.23.72	1	3			
54	8000		172.6.23.72		Э			
55	8000		172.6.23.72		10			
56	8000		172.6.23.72		11			
57	8000		172.6.23.72		12			
58	8000		172.6.23.72		13			
59	8000		172.6.23.72		14			
60	8000		172.6.23.72		15			
61	8000		172.6.23.72		16			
60	0000		170 6 00 10		<u>,</u> ,			
hannel Type		(°	hannel Modify			hannel Delete	Save Channel infor	matio
Username: 01		1	lew Index: 50					

3. Select multiple items from the list, and enter the new index in the Channel Modify field.

*Note:* The new index you enter refers to the starting index No. of the channel list.

<sup>Batch</sup> to finish the channel index modification. 4. Click

### **Deleting Channel(s)**

Select the channel(s) from the list to be deleted. 1.

		hannel Delet:	
2.	Click		to delete the selected channel(s).

Device	User	Channel	Maintain	0ther	Back	Cur-user: admin	
Channel Index	Port		IP	Chai	nnel No.		
1	8000		172.6.23.72	1			
2	8000		172.6.21.164	1			
3	8000		172.6.23.72	2			
50	8000		172.6.23.72	3			
5	8000		172.6.23.72	4			
6	8000		172.6.23.72	5			
7	8000		172.6.23.72	6			
8	8000		172.6.23.72	7			
9	8000		172.6.23.72	8			
51	8000		172.6.23.72	9			
52	8000		172.6.23.72	10			
53	8000		172.6.23.72	11			
54	8000		172.6.23.72	12			
55	8000		172.6.23.72	13			
56	8000		172.6.23.72	14			
57	8000		172.6.23.72	15			
58	8000		172.6.23.72	16			
1 50	0000		170 4 00 10	22			
thannel Type Username: 01 Input Channel Dutp	ut Channe) 🛛 🕅		Channel Modify New Index: 50 Single		Thannel Delete	Save Channel infor	

## Saving Channel(s)

On the Channel List interface, enter the username in the Channel Type field. 1.

Save info to a text file 2. Click the to save the channel information file (.txt) of the current login user to the directory

where the configuration file is located.

## 7.4.4 Importing Configuration File

1. Click the Maintain on the menu bar to enter the Keyboard Maintenance interface.

Device	User	Channe	1	Ма	intai	n	<b>O</b> t	her	Back	Current User:admin
									_	
		Config file:	_v1.0.0	0.1_buk	d3Wbto	ol_en\	kbCfg.bin			
		Keyboard IP:	172	. 6		24	. 64			
		Port:								
		Port	0000							
		Username:	admin					(Keyb	oard admir	istrator)
		Password:	•••••							
		1						1		
		l			Import					

- 2. Select the directory of the keyboard configuration file.
- 3. Enter the IP address of the keyboard.
- 4. Enter the username and password.
- 5. Click Import the configuration file to the keyboard.

The keyboard will restart after the configuration file has been imported.

# **Appendix 1: Specifications**

Model	PTZKB836					
Control Mode	IP-based					
TFT LCD Panel	7" TFT LCD monitor with touch panel					
TFT LCD Panel	Resolution: 800 × 480					
Joystick	4-axis joystick					
Audio	Line In	1-ch, 3.5 mm connector (2.0 Vp-p, 1 k $\Omega$ )				
Input / Output	Audio Out	1-ch, 3.5 mm connector (Linear, 560 $\Omega$ )				
	Network Interface	1 10M/100M/1000M Ethernet interface				
External Interface	RS-232 Interface	1 RS-232 interface				
External interface	RS-485 Interface	1 RS-485 interface				
	USB Interface	1, USB2.0 (for data storage and device upgrade)				
	Power Supply	12V DC				
	Power Consumption	≤ 15W				
General	Working Temperature	-10°C ~ +55°C				
General	Working Humidity	10% ~ 90%				
	Dimensions (W $\times$ D $\times$ H)	435 × 193 × 110 mm				
	Weight	2 Kg				