



Quick Guide

GD-KB-AT2430P

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Manual



<https://download.grundig-security.com/UG-GD-KB-AT2430P-2021-05-18-V5-EN.pdf>

Safety



Safety Manual

<https://download.grundig-security.com/Grundig-Product-Safety-2024-04-24-V1.pdf>

1 Product Description

1.1 Appearance

The GD-KB-AT2430P keyboard consists of a touchscreen and a joystick panel. The joystick panel is detachable and can be separated from the keyboard. Refer to the following figure for keyboard appearance.



Figure 1-1 Keyboard Appearance

Front Panel

Refer to the following table for description of keyboard appearance.

Table 1-1 Keyboard Appearance Description

No.	Name	Description
1	Touchscreen	10.1" capacitive touchscreen for display, configuration and operation of the keyboard.
2	Joystick	Used for PTZ control.
3	Capture Button	Used for picture capture.

Refer to the following table for description of joystick operations.

Table 1-2 Joystick Operation Description

Operation	Function
Up	PTZ control mode: Move the PTZ up.
Down	PTZ control mode: Move the PTZ down.

Operation	Function
Left	PTZ control mode: Move the PTZ left.
Right	PTZ control mode: Move the PTZ right.
Rotate anticlockwise	Zoom out (ZOOM-)
Rotate clockwise	Zoom in (ZOOM+)

Interfaces

Eight interfaces and one button are provided on the rear panel of GD-KB-AT2430P keyboard.

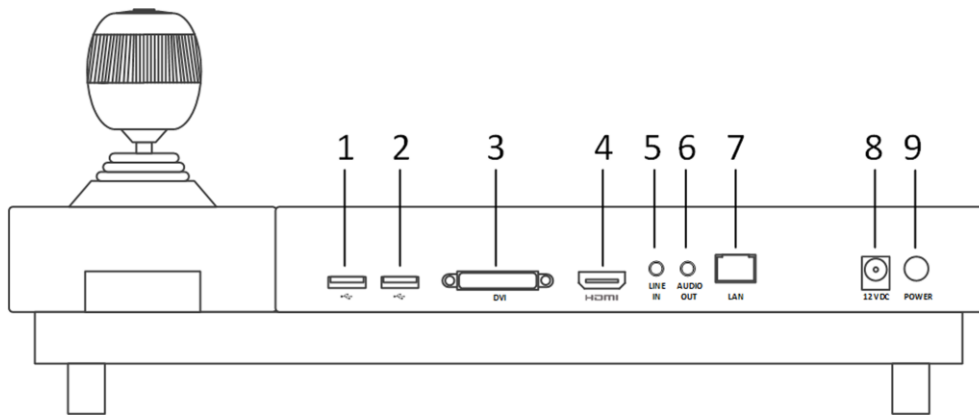


Figure 1-2 Rear Panel of GD-KB-AT2430P

Refer to the following table for description of the interfaces.

Table 1-3 Description of Interfaces

Number	Name	Description
1	USB Interface	One for connecting to the USB device. One for connecting to the joystick.
2		
3	DVI	DVI video output connector.
4	HDMI	HDMI video output connector.
5	LINE IN	3.5 mm connector for audio input.
6	AUDIO OUT	3.5 mm connector for audio output (the external amplifier must be connected).
7	LAN Network Interface	1 10M/100M/1000M adaptive Ethernet interface.
8	Power Input	12 VDC power input.
9	Power Switch	Press to wake up the touchscreen, or turn the keyboard into sleeping mode. Hold (for 3 s) to power on/off, or reboot the device.

2 Activate Keyboard

The network keyboard is inactive by default. You should activate it before performing other operations. Then you can log in and log out of the keyboard.

Set an admin password to activate the keyboard for the first-time access. No operation is allowed before activation. You can activate it by the local keyboard operation or changing settings in the software.

Steps

1. Enter the device password.
-

Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

2. Confirm the password and click **Activate**.
-

Note

You can activate the network keyboard on the Web when PC and the keyboard are on the same network segment.

What to do next

You can log in the keyboard and operate it now.

3 Configure Network

3.1 Set Wired Network

Setting the wired network parameters to connect to the network.

Before You Start

Make sure the network cable is appropriately connected.

Steps

1. Click  on the home page and choose **Ethernet**.
2. Switch on **Ethernet** to enable Ethernet configuration.
3. Set network parameters. You can connect to network by two following ways.

Static IP

Static IP addresses don't change. Using the static IP method, you must set your own IP address, network gateway, subnet mask and other parameters.

DHCP

With DHCP, you don't need to set your IP address; it is assigned dynamically.

3.2 Set Wireless Network

The keyboard has Wi-Fi module that can connect to wireless network.

Before You Start

A Wi-Fi network must be appropriately configured.

Steps

1. Click  on the home page and choose **WLAN**.
2. Switch on **WLAN** to enable automatic acquisition of WLAN information.
You can obtain Wi-Fi information nearby or enter Wi-Fi information manually to add network.
3. Connect to an existing Wi-Fi hotspot or add a new network.

Connect to a nearby Wi-Fi hotspot

1. Click the Wi-Fi hotspot in the Wi-Fi list.
2. Enter the password and connect to the network.

Add a new Wi-Fi network

1. Click **Add Network** at the bottom of the Wi-Fi list.
2. Enter the SSID name manually.
3. Select the Security Type.
4. Enter the password to connect to the network.

4 Manage Keyboard

4.1 Manage Device

4.1.1 Add and Edit Device

Add Device Manually

You can add devices manually by inputting device parameters. Up to 8,000 devices can be added by the admin.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device**.

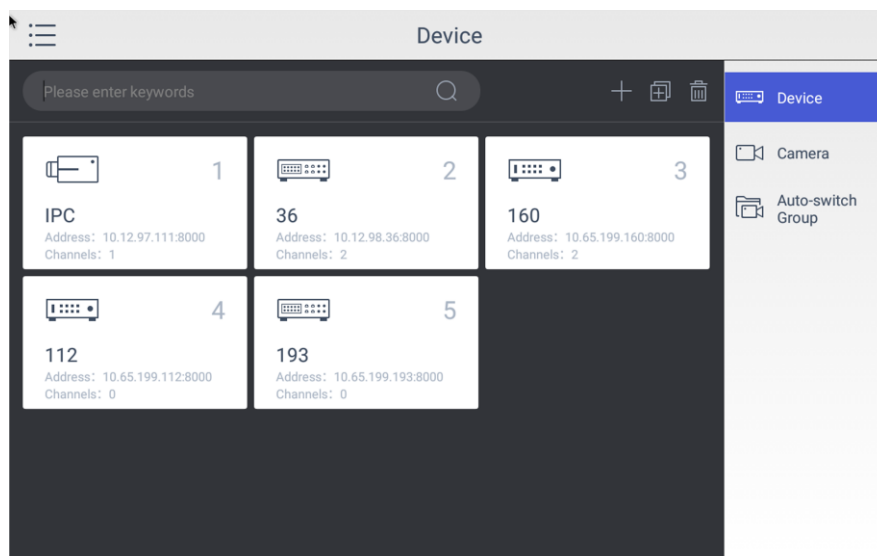
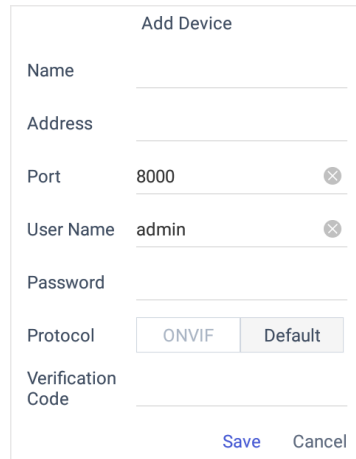


Figure 4-1 Device Management Interface of the Admin

4. Click  to enter the **Add Device** interface.
5. Input device parameters including **Name**, **Address**, **Port**, **User Name**, **Password**, and **Protocol**.

Note

- It will keep using the original device name if you leave **Device Name** empty.
- In **Protocol**, you can select **Default** for same brand devices, or select **ONVIF** for devices from other manufacturers.



The 'Add Device' form contains the following fields and controls:

- Name:** A text input field.
- Address:** A text input field.
- Port:** A text input field with the value '8000' and a clear button (X).
- User Name:** A text input field with the value 'admin' and a clear button (X).
- Password:** A text input field.
- Protocol:** Two radio buttons labeled 'ONVIF' and 'Default'.
- Verification Code:** A text input field.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom right.

Figure 4-2 Add Device Manually

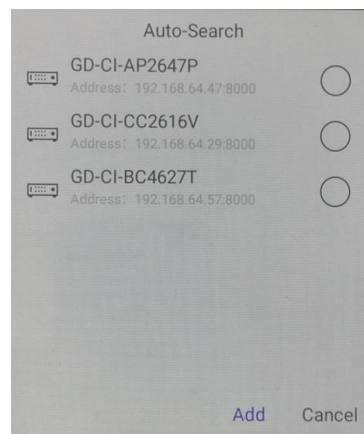
6. Click **Save** to finish adding.

Add Device by Searching Online Devices

You can also add devices by online searching

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device**.
4. Click  to enter **Auto Search** interface. All online devices in the same network segment will be displayed in the list.



The 'Auto-Search' screen displays a list of discovered devices with their addresses and selection radio buttons:

Device Model	Address	Select
GD-CI-AP2647P	192.168.64.47:8000	☐
GD-CI-CC2616V	192.168.64.29:8000	☐
GD-CI-BC4627T	192.168.64.57:8000	☐

Buttons: 'Add' and 'Cancel' at the bottom right.

Figure 4-3 Auto Search Result

5. Select the device(s) as you desired.
6. Enter **User Name**, and **Password**.
7. Click **Save**.

Note

If you want to add multiple devices, all device user names and passwords must be the same.

Add Device by Importing from USB Flash Drive

You can add devices in batch by importing device information from USB flash drive.

Before You Start

You need a USB flash drive to import devices. Make sure you have added at least one device.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Camera**.
4. Optional: If you don't know the import file format, you can export a file to find out.
 - 1) Click .
 - 2) Enter the admin password.
 - 3) Select a file where you want to export.
 - 4) Click **Export** to export the excel file.
 - 5) Edit the excel sheet in other device, then save it in USB flash drive.
5. Click .
6. Enter the admin password.
7. Select the import file from the USB flash drive.
8. Click **Confirm**.

Find Added Devices

In the device/camera management interface, you can quickly search the added device/camera by IP address, keywords, or name.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device**.
4. You can input device ID, IP address, keywords or name in the text field to search device.
5. Click .

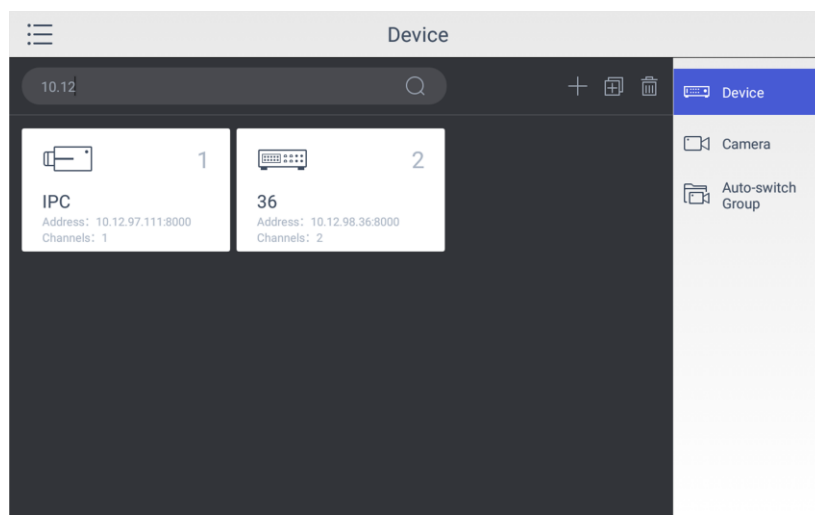


Figure 4-4 Search Device

Edit Device Property

You can view and edit details of the added devices in **Device** interface.

Before You Start

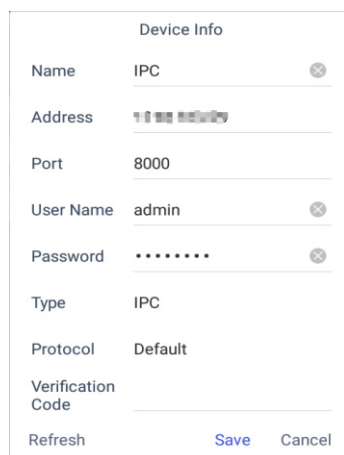
Ensure you have at least added one device.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device**.
4. Click on the name of the added device to view device details.
5. Modify the device parameters on the pop-up window.

Note

Only **Name**, **User Name**, and **Password** are editable.



The image shows a 'Device Info' pop-up window with the following fields and values:

Device Info	
Name	IPC
Address	192.168.1.100
Port	8000
User Name	admin
Password	*****
Type	IPC
Protocol	Default
Verification Code	
Refresh Save Cancel	

Figure 4-5 Edit the Device

6. Click **Save** to confirm the modification.

4.1.2 Manage Connected Cameras

You can view and edit connected camera information.

Before You Start

Ensure you have added at least one camera and logged in the admin user account.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device** → **Camera**.
4. Click the camera as you desired and then you can view its details.

Name

The camera name.

Channel ID

The camera serial number according to the added sequence.

Protocol

The transfer protocol.

Stream

The stream type.

Device

The device name.

Address

The IP address and port of the corresponding device.

Channel No.

The channel number of added camera.

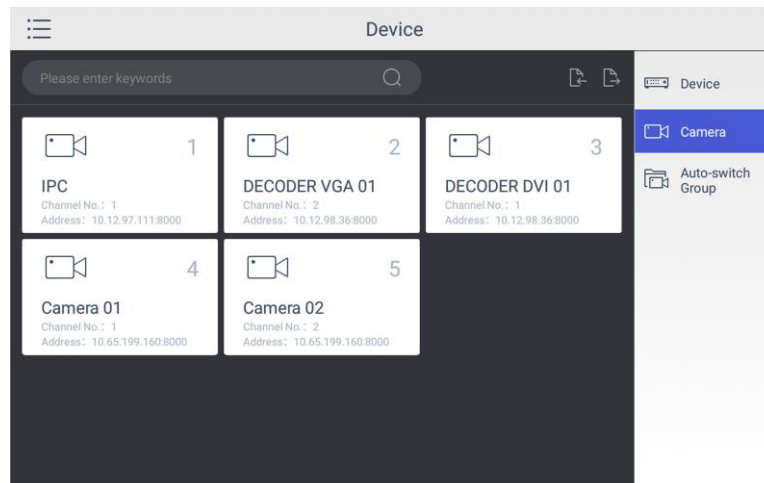


Figure 4-6 Camera Management Interface

5. Modify the camera details. Only **Name**, **Channel ID**, **Protocol**, and **Stream** are editable.

Note

The range of **Channel ID** is from 1 to 999999999, and the ID cannot be repeated.

6. Click **Save** to finish modification.

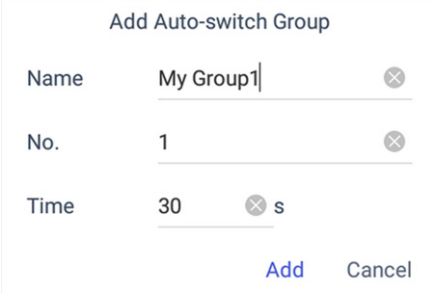
4.1.3 Manage Auto-switch Group

Create Auto-switch Group

It would be easier to manage your devices by adding relevant cameras into a group. For example, you can add all the underground garage cameras into one auto-switch group, so you can view the group to view the cameras in it.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device** → **Auto-switch Group**.
4. Click .
5. Enter the group parameters.



The dialog box titled "Add Auto-switch Group" contains three input fields: "Name" with the text "My Group1", "No." with the value "1", and "Time" with the value "30" followed by a unit selector set to "s". Each input field has a clear (X) button. At the bottom right are "Add" and "Cancel" buttons.

Figure 4-7 Create a New Group

Name

Enter the group name as desired. Special characters, including / : * ? ' " < > | %, are not allowed, and the length cannot exceed 32 characters.

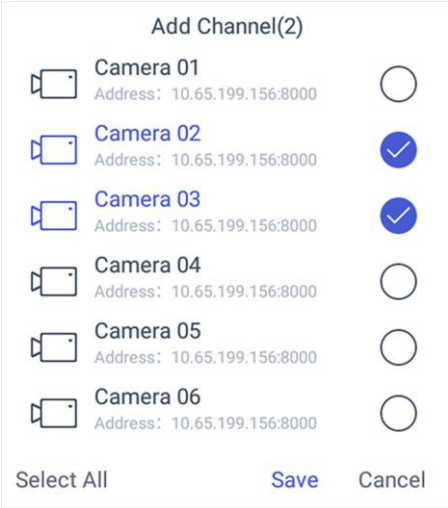
No.

Enter the group number as desired. The range is from 1 to 16, and it cannot be repeated. Up to 64 cameras can be added in each group, no more than 16 groups can be added.

Time

Enter the cycle dwell time for each channel as desired. The range is from 10s to 10000s. The default dwell time is 30s.

6. Click **Add**.



The dialog box titled "Add Channel(2)" lists six cameras. Each entry includes a camera icon, the name (Camera 01 to Camera 06), and the address (10.65.199.156:8000). To the right of each entry is a selection circle. Camera 02 and Camera 03 have blue checkmarks inside their circles. At the bottom left is a "Select All" button, and at the bottom right are "Save" and "Cancel" buttons.

Figure 4-8 Add Camera(s) to the New Group

7. Select the camera(s).

8. Click **Save** to finish creating auto-switch group.

Edit Auto-switch Group

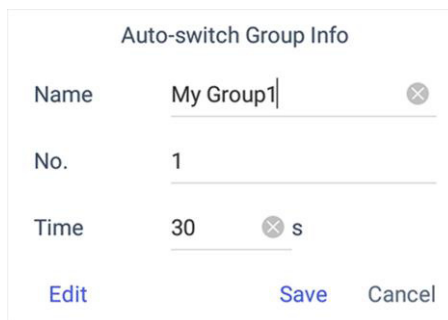
You can view and modify auto-switch group details in **Auto-switch Group** interface.

Before You Start

Ensure you have groups added.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Device** → **Auto-switch Group**.
4. Click on the added group.



The dialog box titled "Auto-switch Group Info" contains the following fields and buttons:

Name	My Group1	
No.	1	
Time	30	 s
Edit Save Cancel		

Figure 4-9 Edit the Group

5. Edit group parameters of **Name**, **No.**, and **Time**.
6. Click **Edit** to edit channel(s) in the group.
7. Click **Save** to confirm the modification.

4.2 Live View on Screen

4.2.1 View Video with Keyboard

After device is successfully added, you can view the live video of the added network cameras or video encoders.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Live View**.
4. Optional: You can click  to select the window division mode.
5. Select a display window.
6. Select a camera to display by two selectable ways.

In keyboard panel

Enter the serial number in the numeric panel, and click  or  to play

the live video of corresponding camera or camera group on the window.

In the list

1. Click **List** or **Group**.
2. Select a camera or group from the list to play.

Note

- Up to 16 cameras can be selected for live view at the same time.
- For group, auto-switch is not supported in multi-screen mode.
- Hold down the title bar to move the channel selection panel.
- Click  to delete the entered information if you entered incorrectly.
- Click  or  to preview the previous or next camera or group.
- Enter 0 in the numeric panel and click  to stop the live view.

7. Optional: You can click  to perform operations including full screen, capture picture, record video, two-way audio, and view parameters of the camera on live view.

Note

If you perform operations of capture picture and record video, make sure to connect the keyboard with a USB flash drive, or provide a valid and correct network connection between PC (running FTP server) and the keyboard, and set the FTP parameters of keyboard correctly. Refer to Set Storage for FTP configuration.

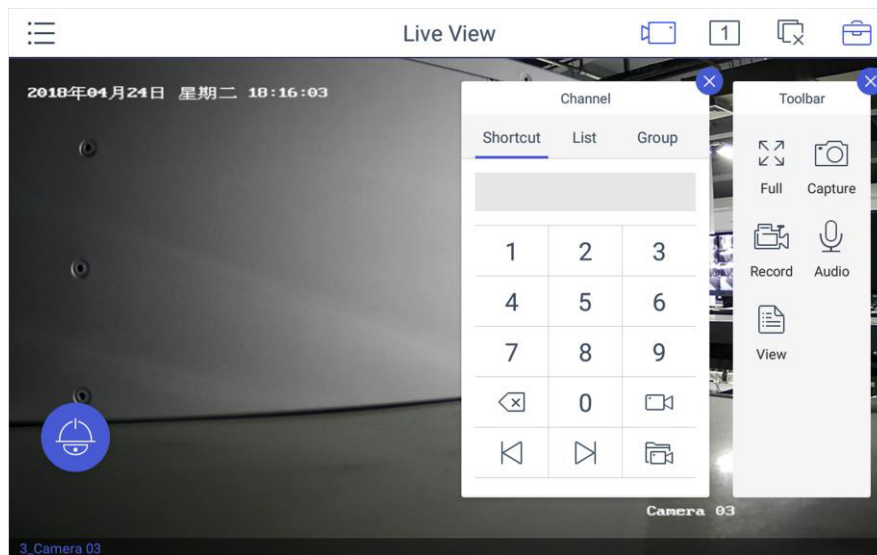


Figure 4-10 Live View

4.2.2 PTZ Control

You can click  in the live view mode to achieve PTZ control operation. The PTZ control should be supported by the added device.

Set and Call a Preset

A preset is a predefined image position which contains information of pan, tilt, zoom, focus and other parameters.

Steps

1. Click **Preset** in the PTZ control panel.
2. Use the joystick to move the camera to the desired scene.
3. Click  to set the preset.

Note

Up to 300 presets can be configured.

What to do next

You can click a preset from the list to call the preset.

Call a Patrol

A patrol is a scanning track specified by a group of user-defined presets, with the scanning speed between two presets and the dwell time at the preset separately programmable.

Before You Start

Set the patrol for the camera through Web Browser, client software, etc.

Steps

1. Click **Patrol** in the PTZ control mode.
2. Click a patrol from the list to call it.

Note

Up to 8 pre-defined patrols can be called.

Set and Call a Pattern

You can record the pan/tilt movements and zoom control of the PTZ camera, and call the pattern.

Steps

1. Tap **Pattern** in the PTZ control panel.
2. Tap  to start recording path of the desired pattern.
3. Use the joystick and other buttons to control the PTZ movement, including pan/tilt movements, zoom and focus control, auto-scanning, etc.
4. Tap  to stop recording of this pattern path.

Note

Up to 4 patterns can be configured.

What to do next

You can tap a pattern from the list to call the pattern.

4.2.3 Play Video on Video Wall

You can play live video on video wall window.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Video Wall**.
4. Select a playing window.
5. Click  to expand the channel panel.
6. Select the camera No. you want to play on the selected display window.
 - 1) Click **Shortcut**.
 - 2) Enter the camera/group No. in the numeric panel.
 - 3) Click  or  on the display window.

Note

- You can also select camera by clicking the camera or group from **List** or **Group** interface.
 - You can see the camera No. on the display window. If you select a group, the display window will show **G**.
-

7. Optional: You can perform PTZ control by clicking , refer to **PTZ Control** for specifications.
8. Optional: You can achieve functions such as capture picture, record video, and refresh display interface by clicking .

4.2.4 Save Current Video Wall Settings as a Scene

You can save your current video wall settings as a scene.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Video Wall**.
4. Select a display window on the configured video wall layout.
5. Click  to expand the toolbar.
6. Click **Scene** to access the scene list.
7. Select the scene in the list.
8. Click **Save** to save the current video wall scene.

4.2.5 Video Wall Playback

You can playback and view videos on video wall.

Before You Start

Ensure you have added decoding device channel to the video wall.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Video Wall**.
4. Select a window on the video wall interface.
5. Click .
6. Select the date as you desired.

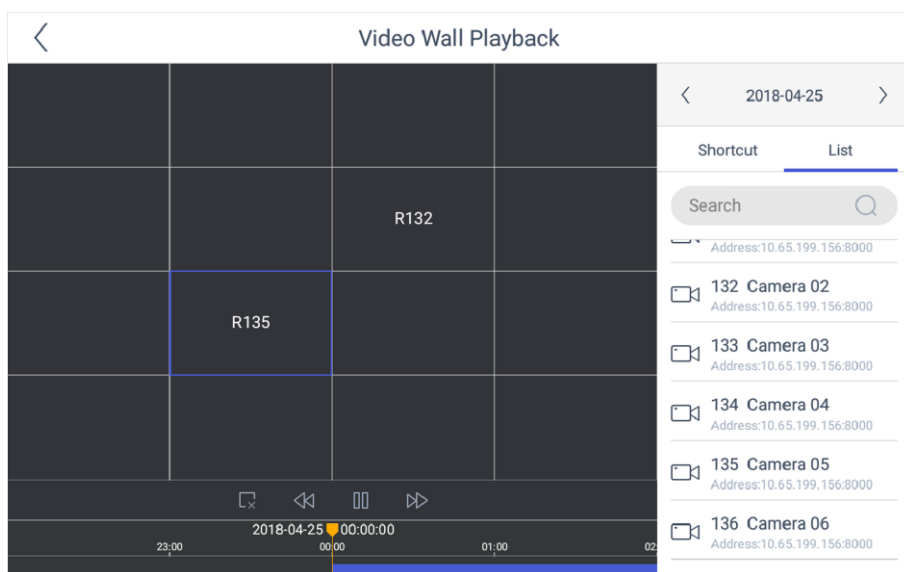


Figure 4-11 Video Wall Playback

7. Optional: You can switch channel by two ways.

In keyboard panel Enter the serial number in the numeric panel, and click .

- In the list**
1. Click **List**
 2. Select a camera in the list.

Note

The channel of the selected window must be from a decoding device.

8. Drag the slider to set required playback time.

9. Use the toolbar to perform playback operations, including stop playing video, start/pause playing video, slow forward speed, and fast forward speed.

4.3 Video Playback

The videos stored in the encoding device within 24 hours can be played back on the keyboard.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Playback** on the menu to enter the play back interface.
4. Select the date as you desired.

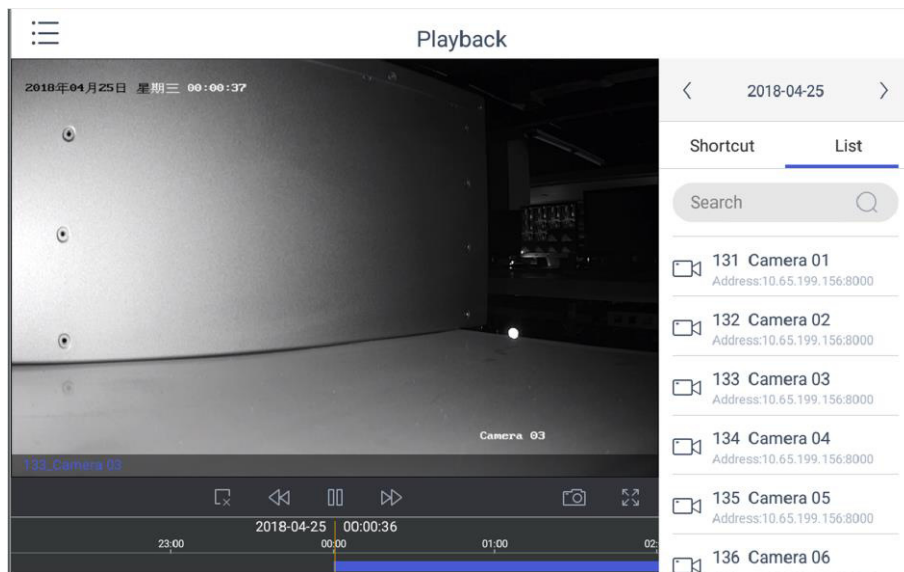


Figure 4-12 Video Playback

5. You can switch channel by two ways.

In keyboard panel Enter the serial number in the numeric panel, and click .

- In the list**
1. Click **List**
 2. Select a camera in the list.

6. Drag the time bar to set required playback time.
7. Use the toolbar to perform playback operations, including stop playing video, start/pause playing video, slow forward speed, and fast forward speed.

Note

To control the play speed, you can also move joysticks left or right to slow or fast forward the video respectively.

4.4 Control DVR/NVR

The keyboard can operate the added DVR/NVR and achieve PTZ control operation.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Operate DVR**.
4. Select the NVR/DVR from the right list as you desired.
5. Apply the buttons on the control panel to achieve DVR/NVR functions such as switching the camera, playing the video, recording, entering menu, main/spot output switching, Aux functions, etc.

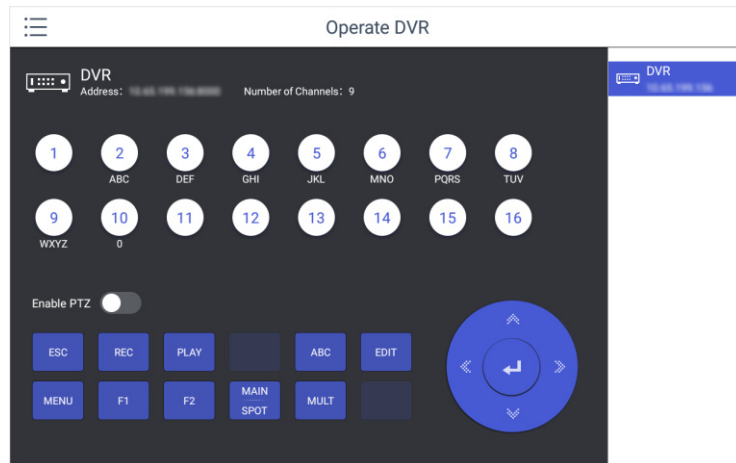


Figure 4-13 DVR/NVR Remote Panel

6. Optional: You can switch on **Enable PTZ** to achieve functions such as PTZ control, iris control, focus, wiper, light, etc.

Note

Ensure the device that connects to DVR/NVR device supports PTZ control operation.



Figure 4-14 Enable PTZ

Table 4-1 Panel Description

Name	Function Description
ESC	Returns to the previous menu.
	Presses for arming/disarming the device in live view mode.
REC / SHOT	Enters the Manual Record settings menu.
	Presses this button followed by a numeric button to call a PTZ preset in PTZ control settings.
	Turns audio on/off in the playback mode.
PLAY / AUTO	Enters the playback mode.
	Automatically scans in the PTZ control menu
ZOOM+	Zooms in the PTZ camera in the PTZ control setting.
ABC / FOCUS+	Adjusts focus in the PTZ Control menu.
	Switches between input methods (upper and lower case alphabet, symbols and numeric input).
EDIT / IRIS+	Edits text fields. When editing, it also deletes the character in front of the cursor.
	Checks the checkbox in the checkbox fields.
	Adjusts the iris of the camera in PTZ control mode.
	Generates video clips for backup in playback mode.
	Enters/exits the folder of USB device and eSATA HDD.
MAIN / SPOT / ZOOM-	Switches between main and spot output.
	Zooms out the image in PTZ control mode.
F1 / LIGHT	Selects all items on the list when used in a list field.
	Turns on/off PTZ light (if applicable) in PTZ control mode.
	Switches between play and reverse play in playback mode.
F2 / AUX	Cycles through tab pages.
	Switches between channels in synchronous playback mode.
MENU / WIPER	Returns to the Main menu (after successful login).
	Presses and holds the button for five seconds to turn off audible key beep.
	Starts wiper (if applicable) in PTZ control mode.
	Shows/hides the control interface in playback mode.
MULT / FOCUS-	Switches between single screen and multi-screen mode.
	Adjusts the focus in conjunction with the A/FOCUS+ button in PTZ control mode.
IRIS-	Adjusts the iris of the PTZ camera in PTZ control mode.

4.5 Manage User

4.5.1 Add New Users with Admin Account

Multiple user accounts can be added to operate the keyboard. The admin user is assigned with the highest permissions, including viewing/deleting user accounts, adding devices to the users, and changing password. For the operator, you can view your assigned devices and change your own password.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **User**.
4. Click  to add new user.
5. Enter the user name and password.

Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

6. Click **Add**.
7. Select camera(s) from the device list to assign user device permission.
8. Click **Save** to save the settings.

Note

You can have only 1 admin user account and up to 31 operator accounts.

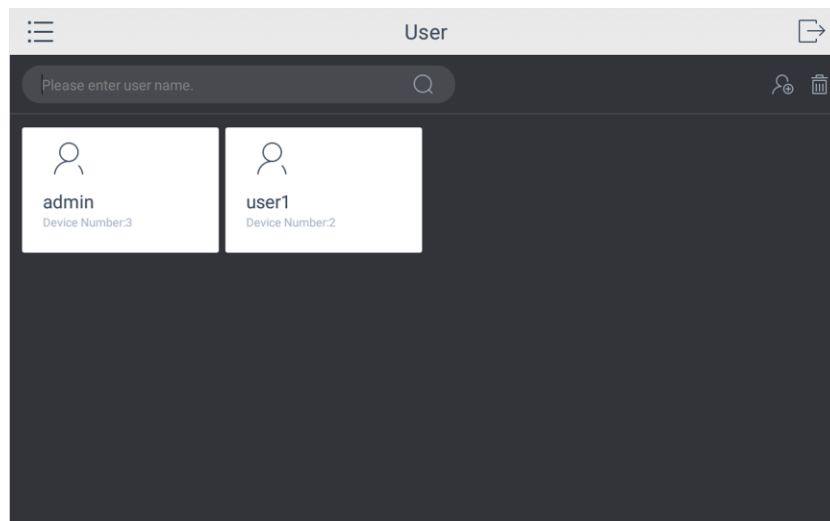


Figure 4-15 User Management

4.5.2 Edit User Accounts by Administrator

The administrator has the highest operation permissions that can change the settings of all other operators, including assigning device permission to the operator, and changing the password of other operator accounts.

Before You Start

Make sure you log in with the admin account.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **User**.
4. Select a user account as you desired.
5. You can change password or assign device permission to the user account.

Edit password

1. Click **Edit**.
2. Enter new password twice.
3. Click **Save** to confirm.

Edit device permission

1. Click **Device**.
2. Select device permission for the account.
3. Click **Save**.

