



DS-1600KI Keyboard

User Manual

Legal Information

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

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Chapter 1 Product Description

1.1 Product Overview

Introduction

DS-1600KI is a fully touch-enabled and detachable network keyboard independently developed by Hikvision.

In addition to displaying images, the 10.1" capacitive touchscreen supports DVI and HDMI video outputs. The software system runs on Android 6.0. It is compatible with all series of Hikvision IP cameras, NVRs/DVRs, and control center platform such as HikCentral. It supports recording, picture capturing and two-way audio, as well as the video wall control and scene switch of platform and decoding devices.

The four-axis joystick can be used to the PTZ control of speed dome and quick location of the target. The joystick panel is detachable for convenience.

Key Features

- 10.1" capacitive touchscreen
- Detachable design of the touchscreen and joystick
- Capable of decoding 4-ch at 1080p resolution
- Up to 16-division window display
- Supports H.265 encoding format
- Live view on touchscreen
- DVI and HDMI outputs to monitor
- Local playback of video
- Controllable of up to 8,000 devices
- Accessible to private products including DVR, DVS, NVR, network camera, speed dome, etc.
- Control of decoders for video decoding and output on video wall
- Accessible by platforms and matrix access gateway
- Supports video wall configuration and scene switch
- Smart scaling of video wall layout
- Flexible PTZ control including setting and calling the preset, calling the patrol, auto-scan, setting and calling the pattern, light on/off, wiper on/off, focus control and iris control; You can control the directions, zoom in, zoom out and capture pictures via the joystick
- Upgrade and configuration files import/export by USB flash drive
- Recording, picture capturing and two-way audio; Saving files in USB flash drive or uploading to FTP server
- Two-level user authority and up to 32 user accounts are configurable, including 1 admin and 31 operators
- Wired and Wi-Fi network connection

1.2 Appearance

The DS-1600KI 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 DS-1600KI Keyboard Appearance

Front Panel

Refer to the following table for description of keyboard appearance.

Table 1-1 Keyboard Appearance Description

Number	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.
Left	PTZ control mode: Move the PTZ left.
Right	PTZ control mode: Move the PTZ right.

Operation	Function
Upper left	PTZ control mode: Move the PTZ upper left.
Upper right	PTZ control mode: Move the PTZ upper right.
Lower left	PTZ control mode: Move the PTZ lower left.
Lower right	PTZ control mode: Move the PTZ lower right.
Rotate anticlockwise	Zoom out (ZOOM-)
Rotate clockwise	Zoom in (ZOOM+)

Interfaces

Eight interfaces and one button are provided on the rear panel of DS-1600KI keyboard.

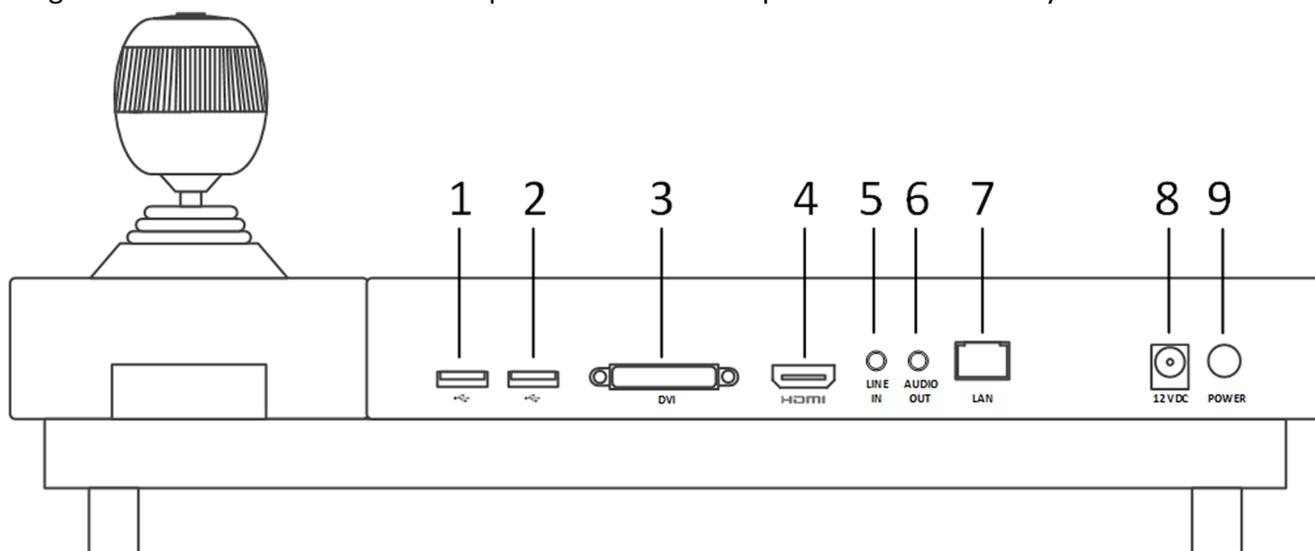


Figure 1-2 Rear Panel of DS-1600KI

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).

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Number	Name	Description
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.

Chapter 2 Start-up

2.1 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. Here we introduce the local operation. Refer to SADP user manual for SADP operation.

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 SADP 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**.

What to do next

You can log in the keyboard and operate it now.

2.2 Change Password

You can reset the keyboard password by SADP.

Steps

1. Select the checkbox before the ID of the DS-1600KI keyboard.
2. Click **Forgot Password**.

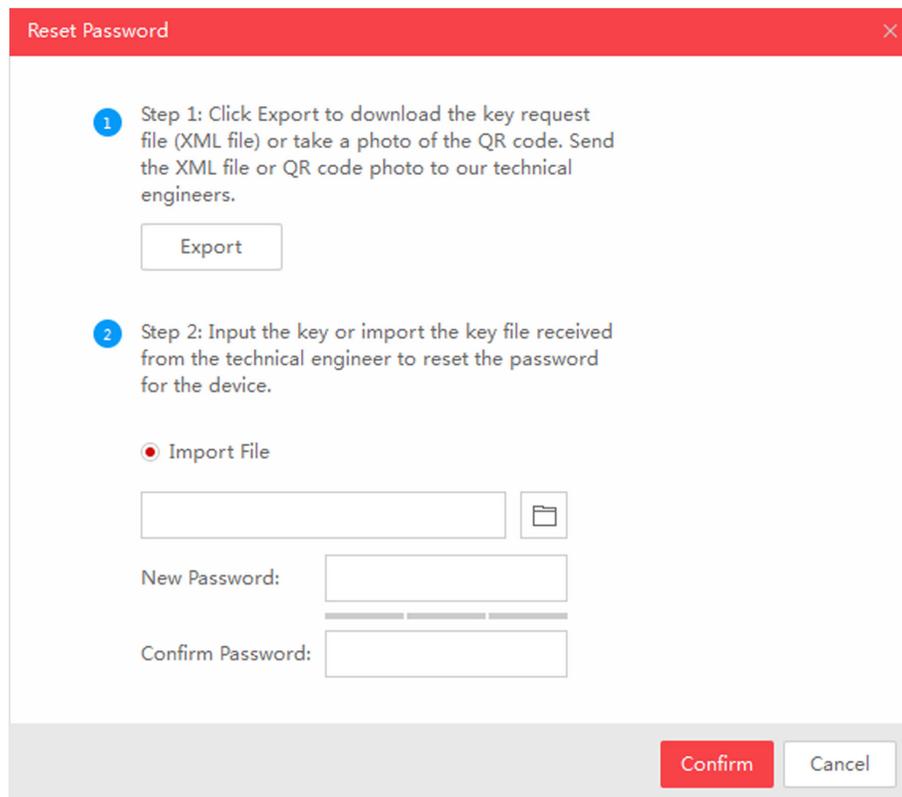


Figure 2-1 Reset the Password

3. Click **Export** to download the key request file.
4. Set the file path in the pop-up window.
5. Click **Select Folder** to save the device key request file on your PC.

 **Note**

The exported key request file is XML file which is named as **Device Serial No.-System Time**.

6. Send the key request file to our technical engineers and the engineer will send you a key file back.
 7. Click  to select the key file (XML file) returned by the technical engineer.
 8. Click **Open**.
 9. Enter the new password in **New Password** and **Confirm 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.

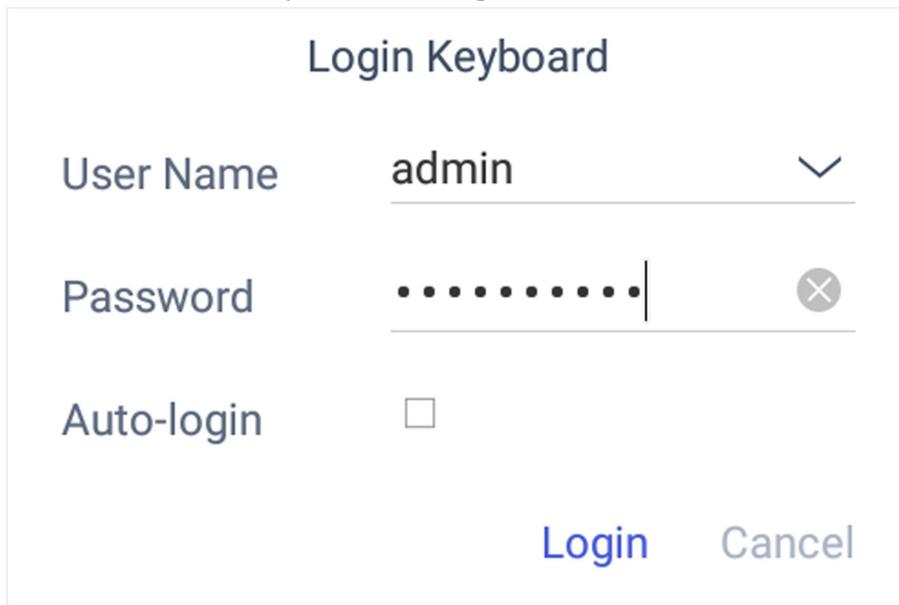
10. Click **Confirm** to reset the password.

2.3 Login and Logout

Log in the keyboard to operate it. Log out to lock your operation.

Steps

1. Click **Keyboard** on the menu.
2. Select the account and enter the password to login.



The screenshot shows a login dialog box titled "Login Keyboard". It contains three input fields: "User Name" with the text "admin" and a downward arrow icon; "Password" with a series of dots and a clear button (an 'X' in a circle); and "Auto-login" with an unchecked checkbox. At the bottom right of the dialog are two buttons: "Login" and "Cancel".

Figure 2-2 Login Interface

3. **Optional:** You can check **Auto-login** to enable automatic login.

Note

For admin user, 7 failed login attempts will lock the keyboard. For other users, 5 failed login attempts will lock the keyboard. When the device is locked, it will be unlocked after 30 minutes.

4. **Optional:** You can log out the keyboard anytime.
 - 1) Click **Keyboard** on the menu.
 - 2) Click  on the upper-left corner.
 - 3) Click **Users**.
 - 4) Click , then a logout message box will pop up.
 - 5) Click **Logout**.

Chapter 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 a existing Wi-Fi hotspot or add a new network.

Connect to a nearby Wi-Fi hotspot

- a. Click the Wi-Fi hotspot in the Wi-Fi list.
- b. Enter the password and connect to the network.

Add a new Wi-Fi network

- a. Click **Add Network** at the bottom of the Wi-Fi list.
- b. Enter the SSID name manually.
- c. Select the Security Type.
- d. Enter the password to connect to the network.

Chapter 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**.

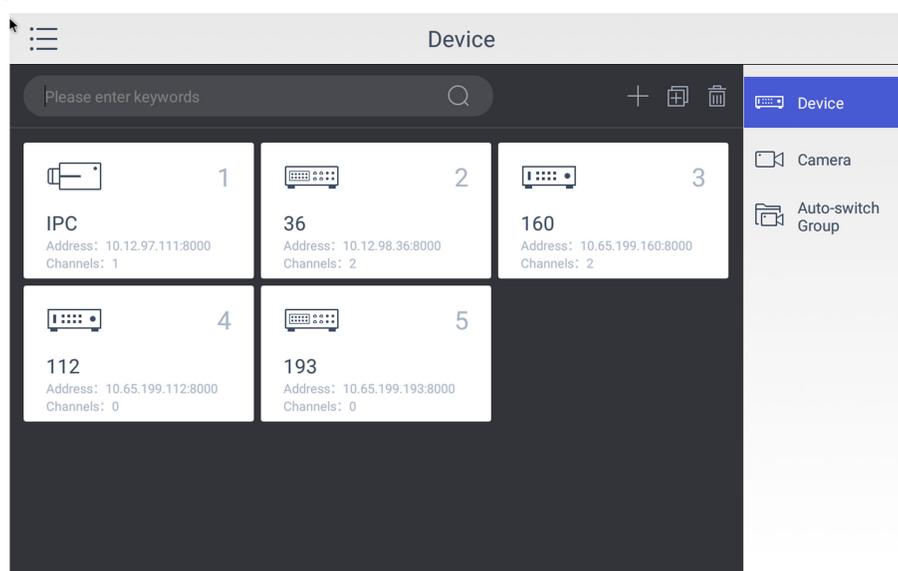


Figure 4-1 Device Management Interface of the Admin

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 some brand devices, or select **ONVIF** for devices from other manufacturers.

Add Device

Name

Address

Port

User Name

Password

Protocol

Verification Code

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.

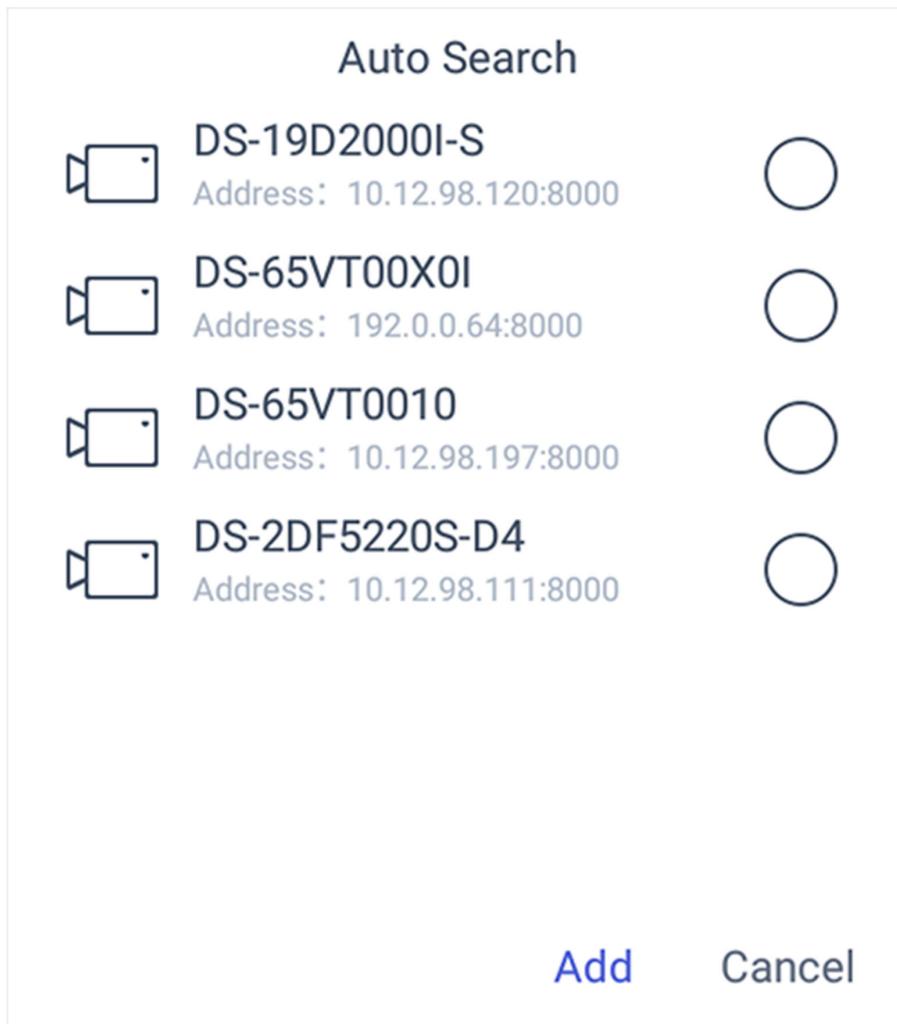


Figure 4-3 Auto Search Result

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 .

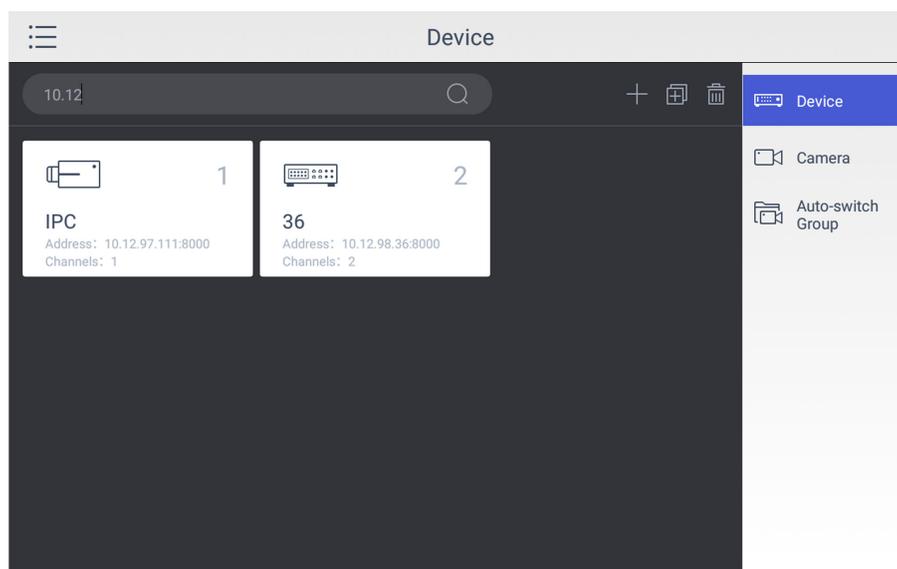


Figure 4-4 Search Device

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.

Device Info	
Name	198 <input type="text"/>
Address	10.65.199.198
Port	8000
User Name	admin <input type="text"/>
Password <input type="text"/>
Type	DS-6916UD
Protocol	PRIVATE
Channels	2
Refresh	<input type="button" value="Save"/> <input type="button" value="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.

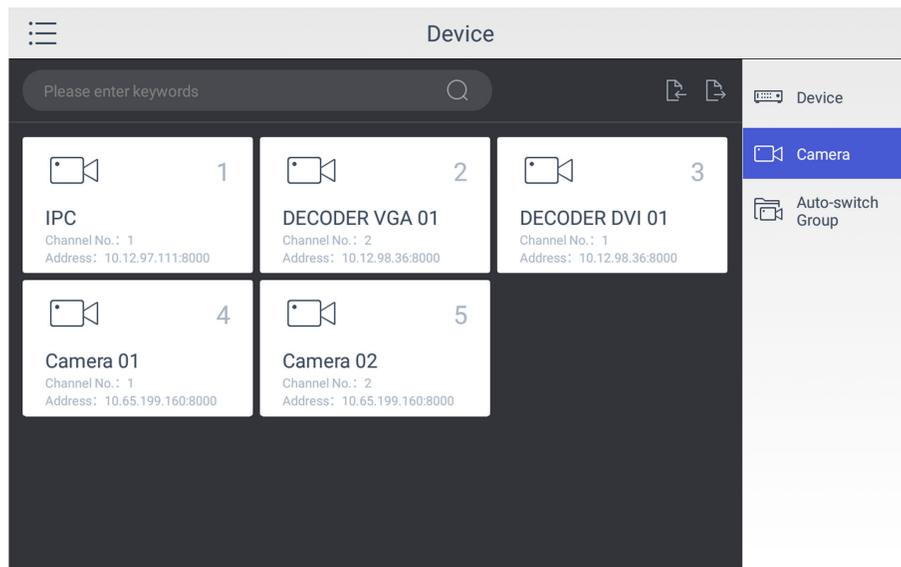


Figure 4-6 Camera Management Interface

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

 **Note**

The range of **Channel ID** is from 1 to 99999999, and the ID cannot be repeated.

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

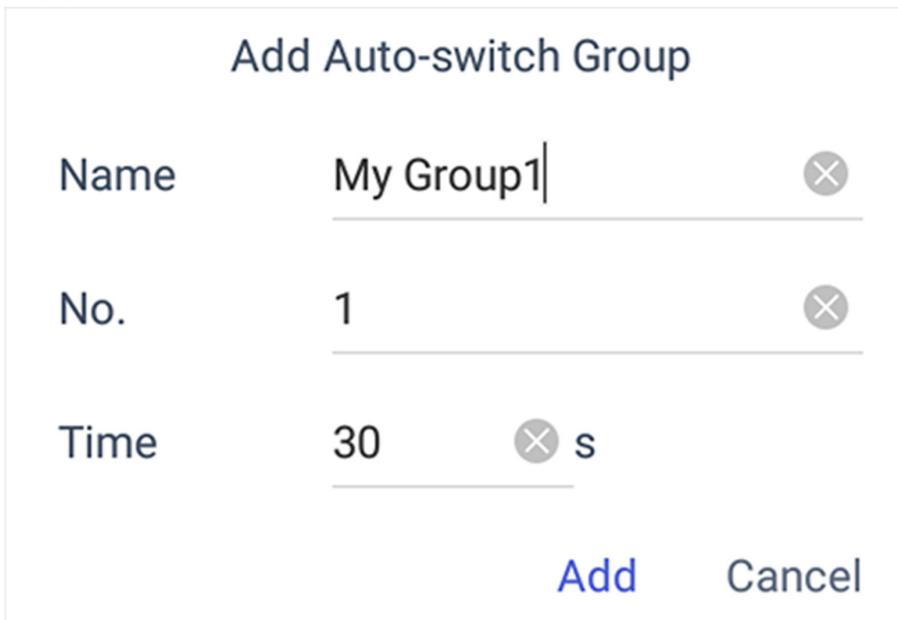
4.1.3 Manage Auto-switch Group

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.



Add Auto-switch Group

Name	My Group1	
No.	1	
Time	30	 s

Add **Cancel**

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.

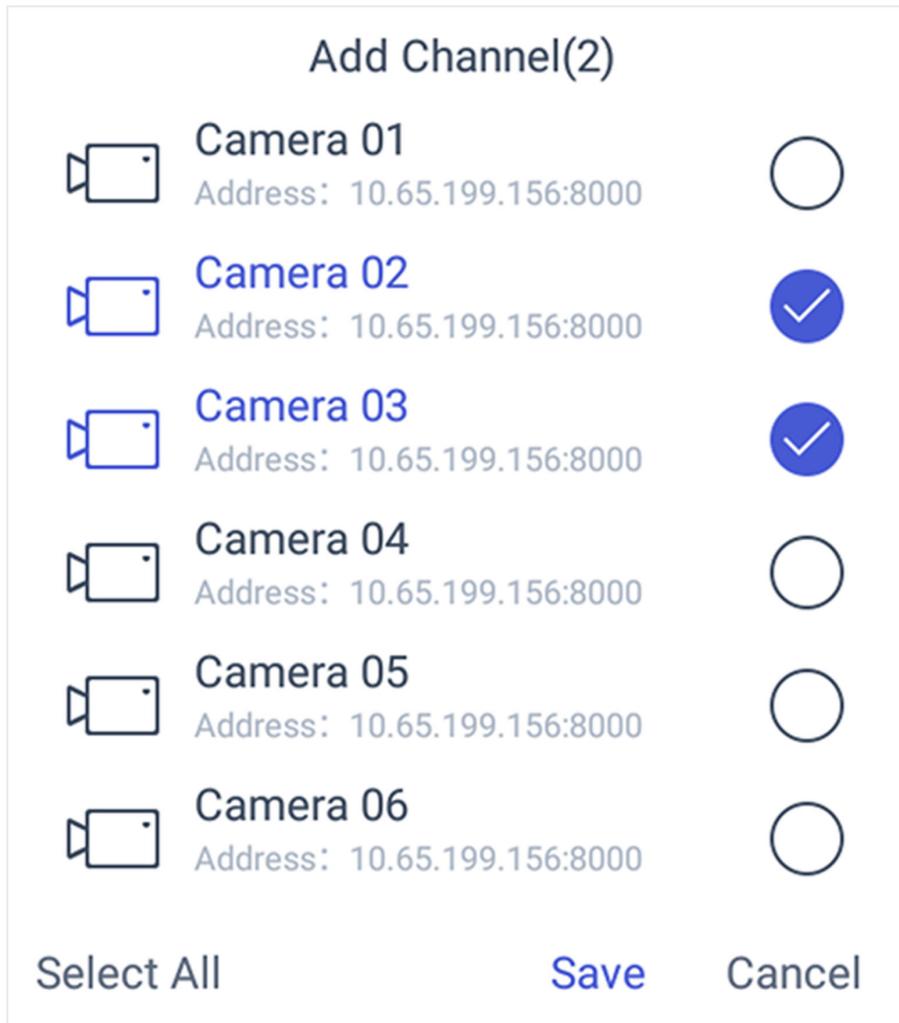
No.

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 screenshot shows a dialog box titled "Add Channel(2)". It contains a list of six camera entries, each with a camera icon, a name, and an address. To the right of each entry is a circular checkbox. Camera 02 and Camera 03 have blue checkmarks inside their checkboxes, indicating they are selected. Camera 01, Camera 04, Camera 05, and Camera 06 have empty checkboxes. At the bottom of the dialog, there are three buttons: "Select All", "Save", and "Cancel".

Camera Name	Address	Selected
Camera 01	10.65.199.156:8000	<input type="checkbox"/>
Camera 02	10.65.199.156:8000	<input checked="" type="checkbox"/>
Camera 03	10.65.199.156:8000	<input checked="" type="checkbox"/>
Camera 04	10.65.199.156:8000	<input type="checkbox"/>
Camera 05	10.65.199.156:8000	<input type="checkbox"/>
Camera 06	10.65.199.156:8000	<input type="checkbox"/>

Select All Save Cancel

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

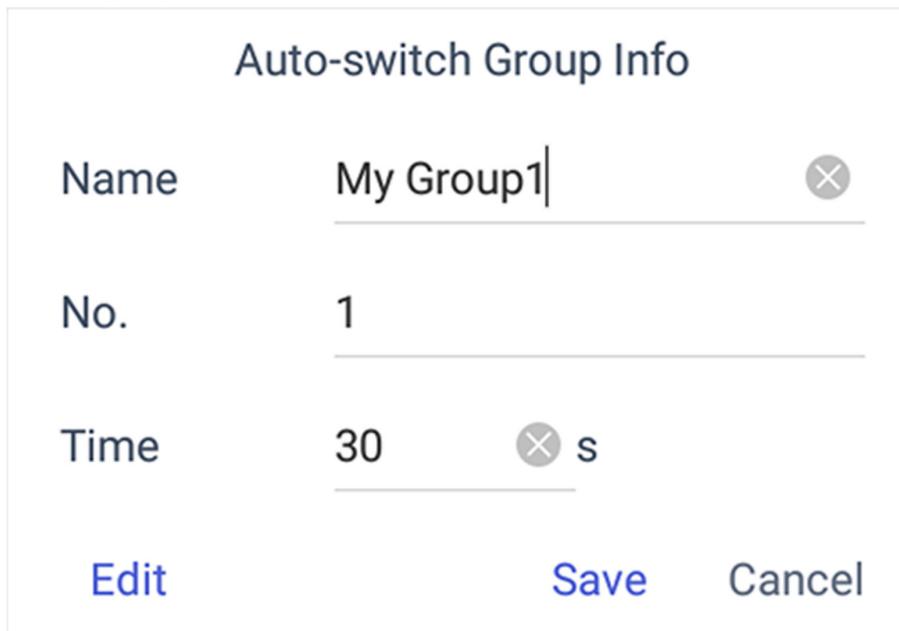
You can view and modify auto-switch group details in **Auto-switch Group** interface.

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 screenshot shows a dialog box titled "Auto-switch Group Info". It contains three input fields: "Name" with the text "My Group1", "No." with the text "1", and "Time" with the text "30 s". Each input field has a small "x" icon to its right. At the bottom of the dialog, there are three buttons: "Edit", "Save", and "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

- Click **List** or **Group**.
- 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.

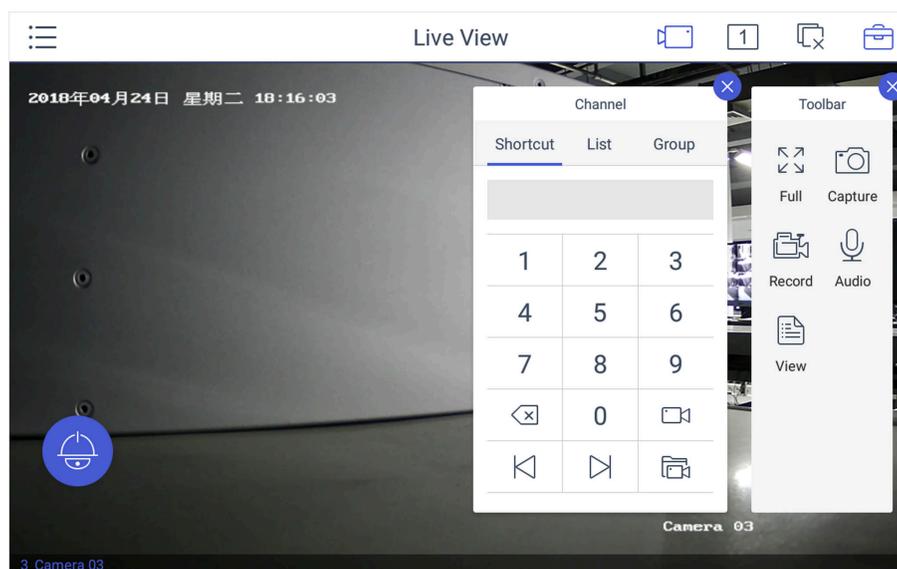


Figure 4-10 Live View

4.2.2 PTZ Control

You can click  in the live view mode to achieve PTZ control operation, including pan/tilt movement, zoom in/out, wiper on/off, etc. 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. Click **Pattern** in the PTZ control panel.

2. Click  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. Click  to stop recording of this pattern path.

Note

Up to 4 patterns can be configured.

What to do next

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

4.3 Manage Video Wall

4.3.1 Edit Video Wall Layout

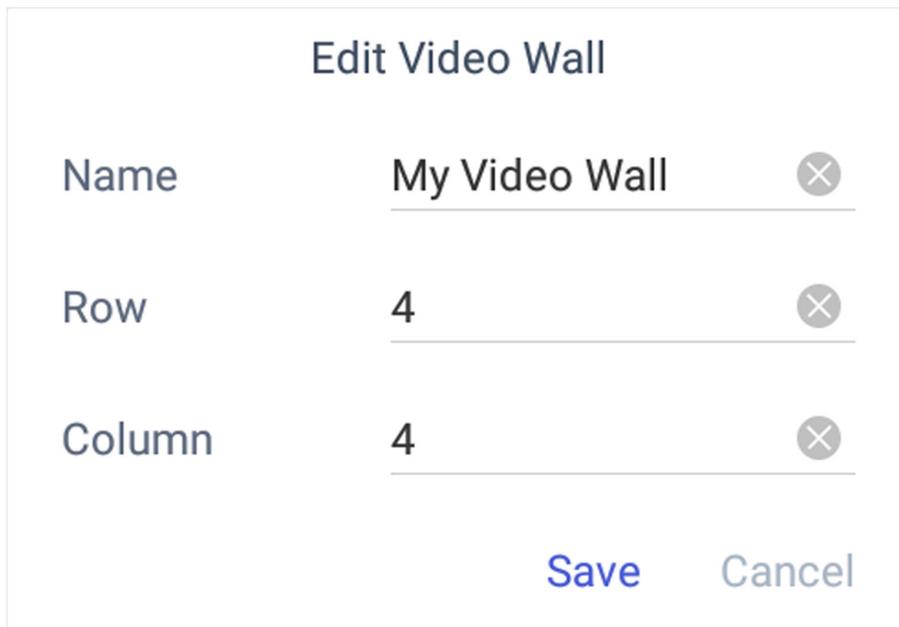
You can edit the layout of the video wall, including the name, row and column.

Steps

1. Click **Keyboard**.
2. Click  .
3. Click **Video Wall**.
4. Click  .
5. Click **Config** on toolbar panel.
6. Click  .
7. Enter the parameters of video wall.

Note

You can add 2 to 10 rows and 2 to 15 columns.



Edit Video Wall

Name	My Video Wall	✕
Row	4	✕
Column	4	✕

Save Cancel

Figure 4-11 Edit the Video Wall

Name

Edit a name for the video wall as desired.

Row

The row of the video wall.

Column

The column of the video wall.

8. Click **Save** to save the settings.

4.3.2 Configure Video Channels on Video Wall

You can select and configure the output channel for each video wall window. For some other video wall devices, you can get the output channels automatically.

Steps

1. Click **Keyboard**.
2. Click ☰ .
3. Click **Video Wall**.
4. Click 📁 .
5. Click **Config** on the toolbar panel.
6. Select the playing window on the video wall.

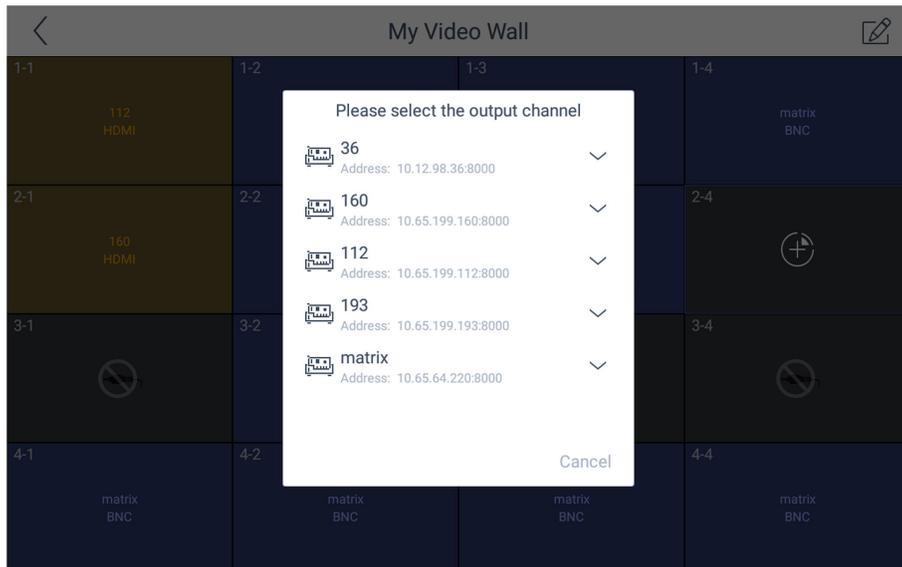


Figure 4-12 Select the Output Channel

7. Select the output channel as you desired.

Note

- If you want to delete the output channel, hold the configured window and click  on the upper-right corner
- At **Video Wall** interface, you can also open, close, and move window by holding the window.

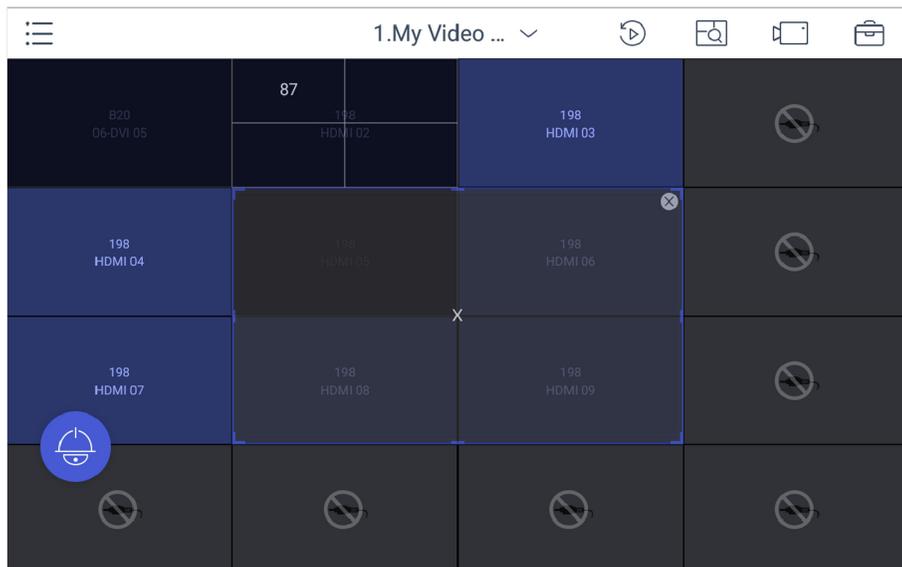


Figure 4-13 Delete the Output Channel

What to do next

You can log in the keyboard and operate it now.

4.3.3 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 .

4.3.4 Configure Display Window

For the devices supporting window roaming (e.g., DS-96000NI-I/H, DS-B20), you can move the playing window within the video wall as desired, close the window and adjust the window to match it with the borders.

Before You Start

Ensure the connected decoding device supports window roaming function.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Video Wall**.
4. Select a window as you desired.
5. Hold the window until the window frame appears.

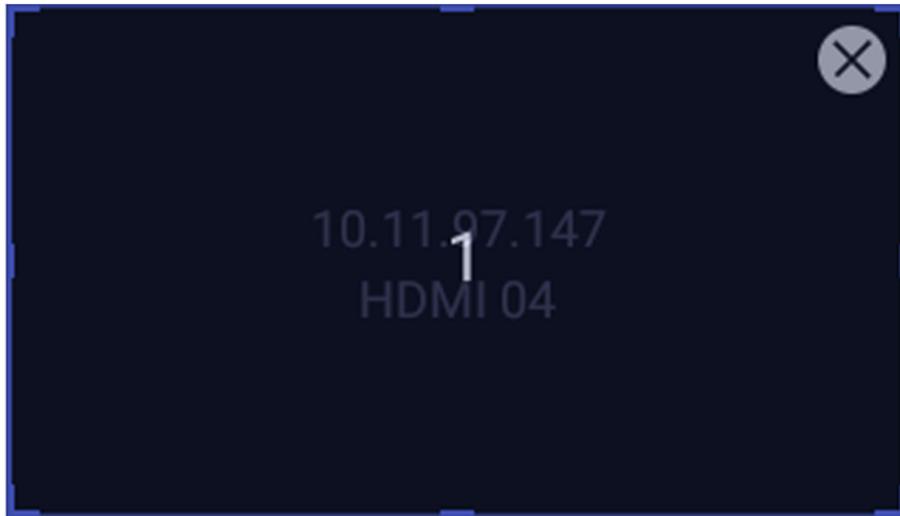


Figure 4-14 Window Roaming

6. You can move the playing window within the video wall as desired and adjust its size.
7. The dotted borders will display during moving the window. You can double-click the window to adjust it to match the borders.
8. **Optional:** Click  in toolbar to split the window.

4.3.5 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.

4.3.6 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.

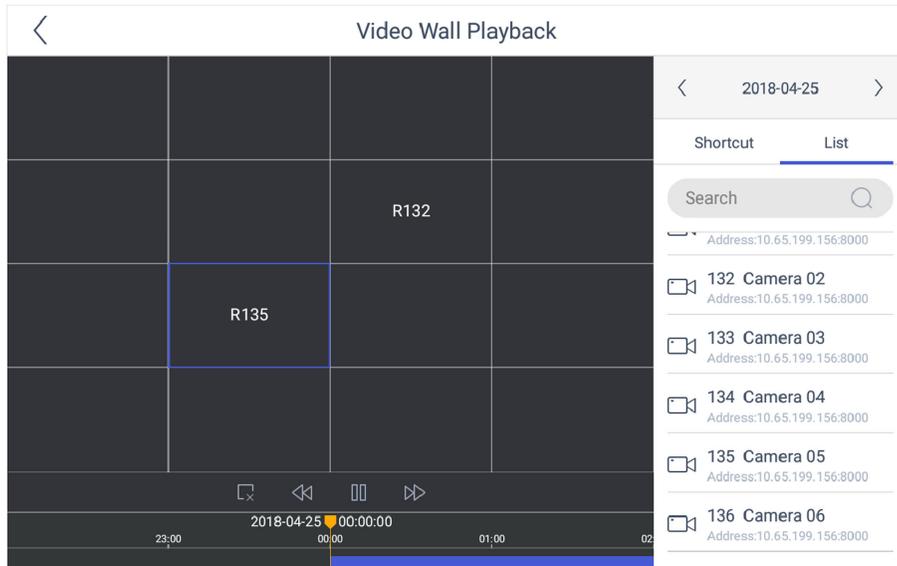


Figure 4-15 Video Wall Playback

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**
- a. Click **List**
 - b. 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.

4.3.7 Smart Scaling on Video Wall

For the large-scale video wall layout, you can use the smart scaling function to select and zoom in the required windows area.

Steps

1. Click **Keyboard**.
2. Click .
3. Click **Video Wall**.
4. Click  to open the smart scale control panel.

5. You can adjust the frame size with fingers.

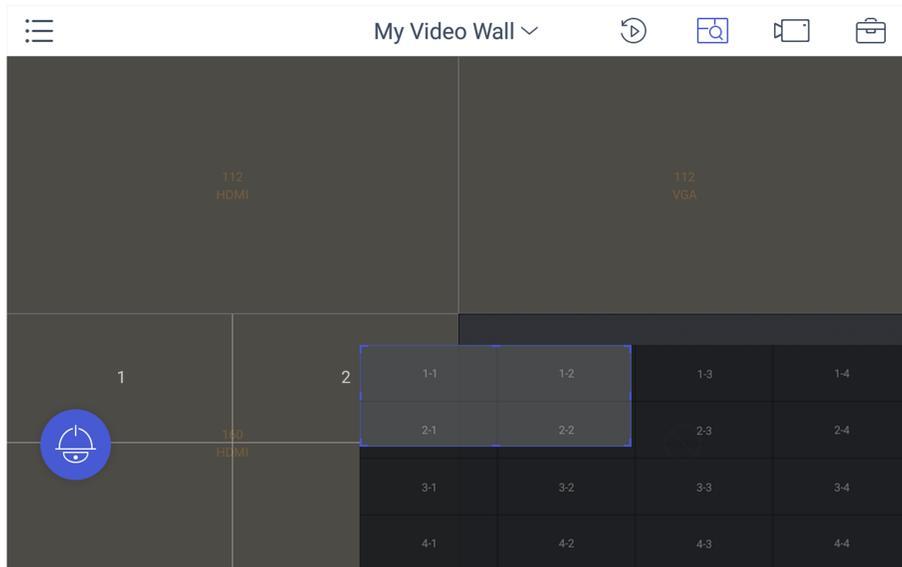


Figure 4-16 Smart Scaling

4.3.8 Video Wall Preview

You can preview videos on the local keyboard interface to check the layout and other effects of the video wall.

Ensure you have connected video wall controller or multi-function video center before previewing the video wall.

Select  →  to preview the video wall.

Note

Only one video wall can be previewed each time.

4.4 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.

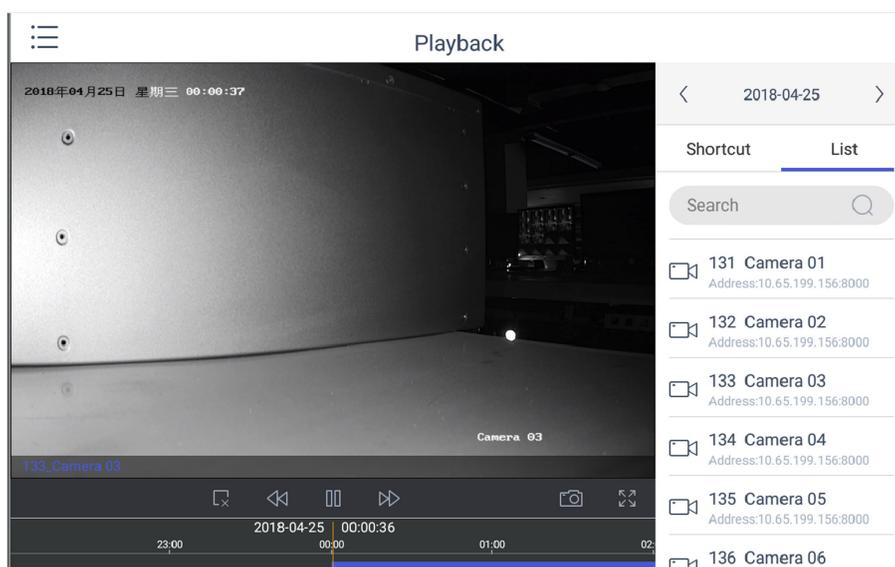


Figure 4-17 Video Playback

5. You can switch channel by two ways.

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

In the list

- Click **List**
- 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.

4.5 Control DVR

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

Steps

- Click **Keyboard**.
- Click .
- Click **Operate DVR**.
- Select the NVR/DVR from the right list as you desired.
- 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.

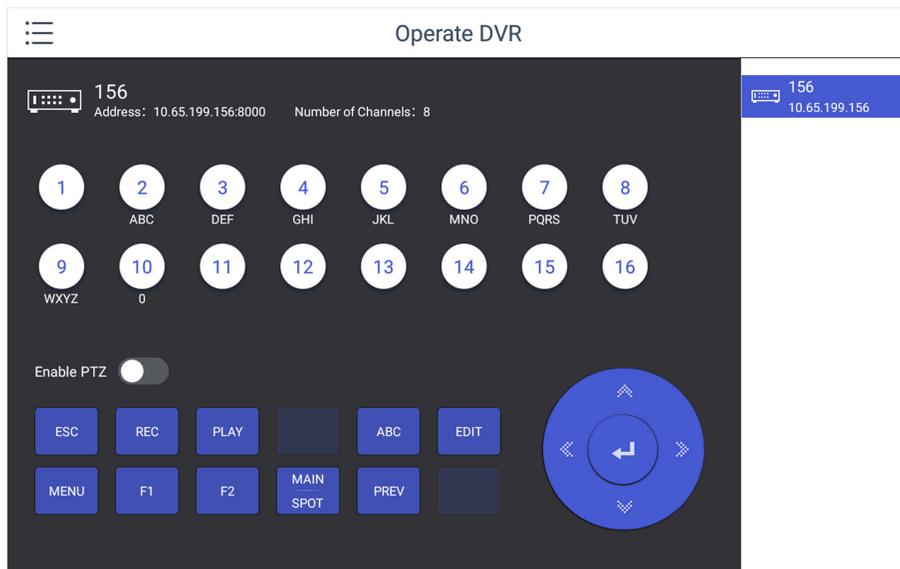


Figure 4-18 DVR/NVR Remote Panel

- 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 4-19 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 text fields, 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.

Name	Function Description
	Shows/hides the control interface in playback mode.
PREV/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.

4.6 Manage User

4.6.1 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.

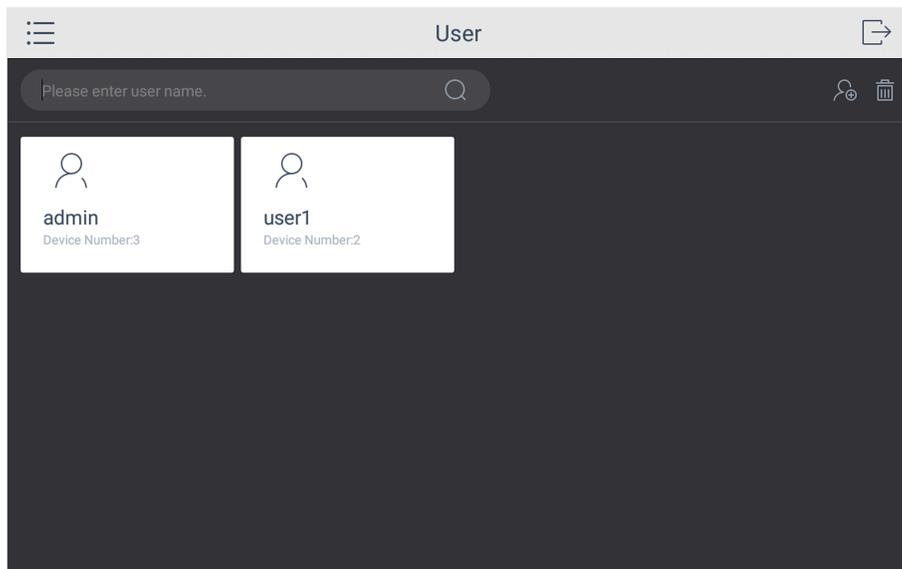


Figure 4-20 User Management

4.6.2 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

- a. Click **Edit**.
- b. Enter new password twice.
- c. Click **Save** to confirm.

Edit device permission

- a. Click **Device**.
- b. Select device permission for the account.
- c. Click **Save**.

Chapter 5 Control Platform

You can connect the keyboard to platforms to play live video on video wall or watch live video on the local keyboard interface.

5.1 Control iSecure

You can connect the keyboard to iSecure platform to play live video on video wall or watch live video on the local keyboard interface.

Steps

1. Click **iSecure** on the home page.
2. Enter **Server IP, Port, User Name**, and **Password** to log in the platform.
3. Click **Login** to enter the platform interface.

Note

You can check **Remember Password** to remember the login password in next time.

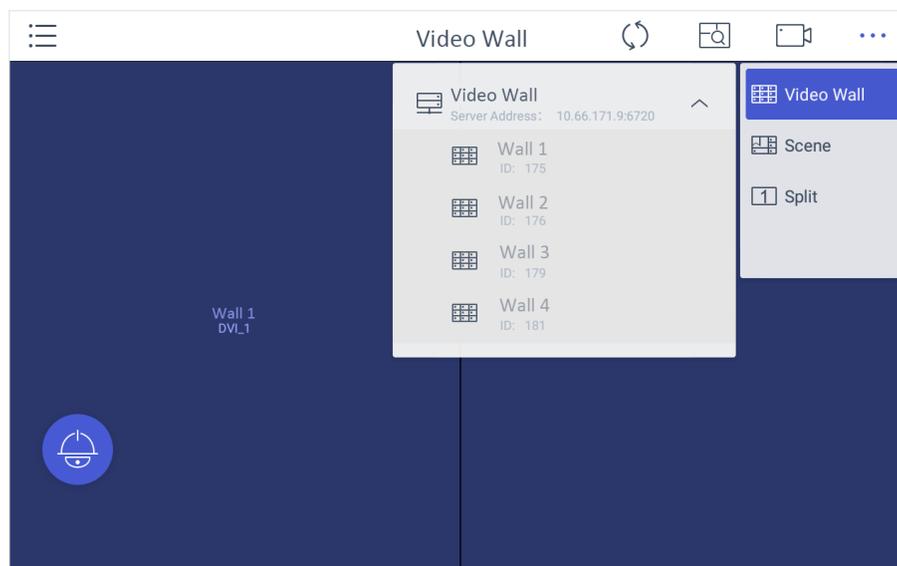


Figure 5-1 Platform Management

4. Click **...** in the upper-right corner and select **Video Wall**, and select the video wall that you want to configure.

Note

All video wall resources from the platform will be listed in **Video Wall**.

5. Select a camera to play on video wall .
 - 1) Select an output window on the video wall to play the camera.

- 2) Click , enter the serial number in the numeric panel, and click  to play the live video of corresponding camera on the window.

 **Note**

- You can also select from **List**.
- You can click  or  to preview the live video of the previous or next input camera channel on the selected output monitor.

-
6. **Optional:** Click  to select desired scene from **Scene** list.
 7. **Optional:** Click  and select **Split** to split the output window.
 8. **Optional:** Click  and use the smart scaling function to select and zoom in the desired wall area. For details about the operation, see **Smart Scaling on Video Wall**.
 9. **Optional:** Click  to synchronize configuration between the keyboard and the actual video wall.
 10. **Optional:** Click  to perform PTZ control. For details, see **PTZ Control** for specifications.
 11. **Optional:** Click , select **Live View** and select a camera to watch on the local keyboard.

5.2 Control HikCentral

You can connect the keyboard to **HikCentral** platform to play live videos on the video wall.

Steps

1. Click **HikCentral** on the home page.
2. Enter **Server IP**, **Port**, **User Name**, and **Password** to log in the platform.
3. Click **Login** to enter the platform interface.

 **Note**

You can check **Remember Password** to remember the login password in next time.

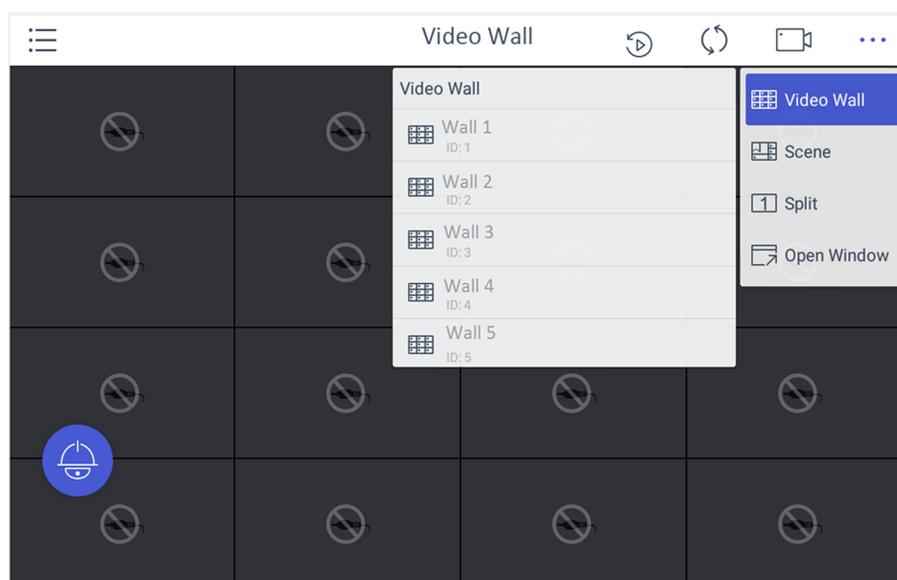


Figure 5-2 Platform Management

- Click  in the upper-right corner and select **Video Wall**, and select the video wall that you want to configure.

 **Note**

All video wall resources from the platform will be listed in **Video Wall**.

- Select a camera to play on video wall .
 - Select an output window on the video wall to play the camera.
 - Click , enter the serial number in the numeric panel, and click  to play the live video of corresponding camera on the window.

 **Note**

You can also select from **List**.

- Optional:** Click  or  to preview the live video of the previous or next input camera channel on the selected output monitor.
- Optional:** Click  to watch the playback video of the selected channel.
- Optional:** Click  to select desired scene from **Scene** list. For details, see **Video Wall Playback** .
- Optional:** Click  and select **Split** to split the output window.
- Optional:** Click  and select **Open Window** to open a new window above non-roaming windows.
- Optional:** Click  to perform PTZ control. For details, see **PTZ Control** for specifications.

5.3 Control KPS

You can connect the keyboard to KPS platform to play live videos on the video wall.

Steps

- Click **KPS** on the home page.
- Enter **Server IP, Port, User Name**, and **Password** to log in the platform.
- Click **Login** to enter the platform interface.

 **Note**

You can check **Remember Password** to remember the login password in next time.

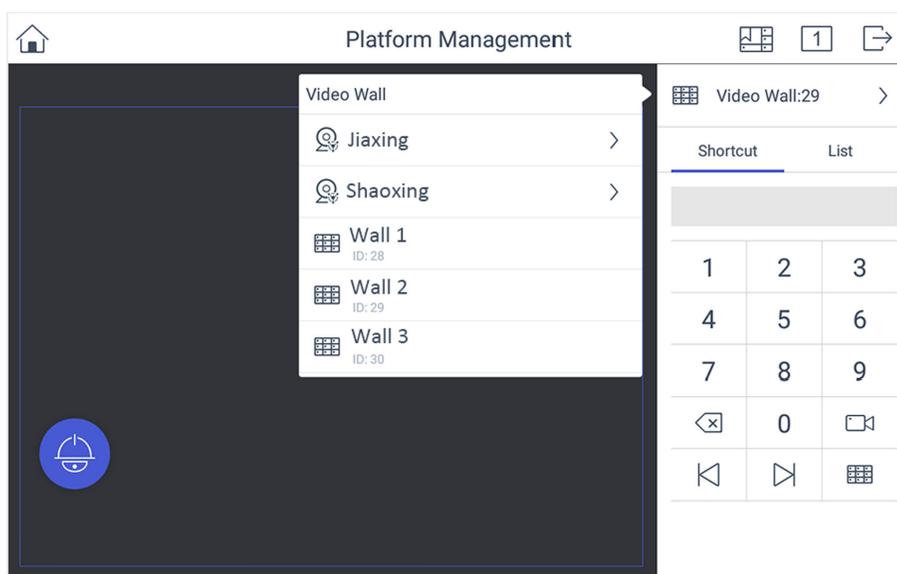


Figure 5-3 Platform Management

4. Click > in the upper-right corner and select **Video Wall**, and select the video wall that you want to configure.

Note

All video wall resources from the platform will be listed in **Video Wall**.

5. Click **Shortcut**, enter the serial number of window and click to select the window.
6. Select a camera to play on video wall .
 - 1) Select an output window on the video wall to play the camera.
 - 2) Click , enter the serial number in the numeric panel, and click to play the live video of corresponding camera on the window.

Note

You can also select from **List**.

7. **Optional:** Click or to preview the live video of the previous or next input camera channel on the selected output monitor.
8. **Optional:** Click to select desired scene from **Scene** list.
9. **Optional:** Click to split the output window.
10. **Optional:** Click to perform PTZ control. For details, see **PTZ Control** for specifications.

Chapter 6 Control Matrix

The keyboard can connect to matrix to control video display on video wall.

Before You Start

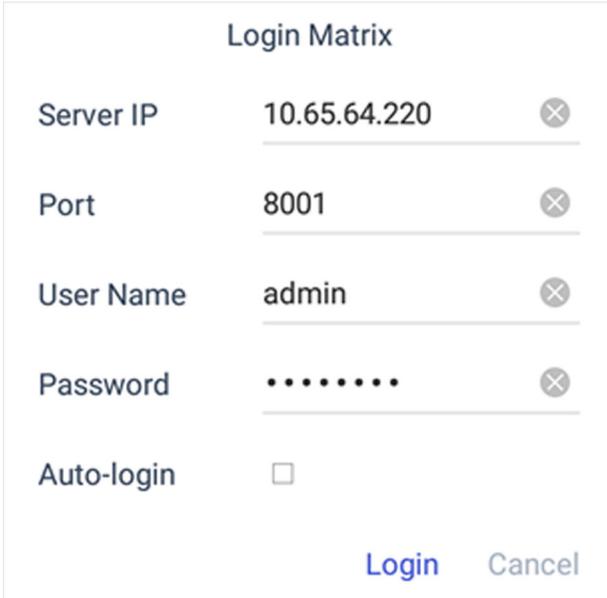
Make sure you have appropriately configured the network of keyboard and matrix.

Steps

1. Click **Matrix** on the home page.
2. Enter **Server IP**, **Port**, **User Name**, and **Password** of the matrix.

Note

You can check **Auto-login** to enable automatic login next time.



Login Matrix		
Server IP	10.65.64.220	✕
Port	8001	✕
User Name	admin	✕
Password	✕
Auto-login	<input type="checkbox"/>	

Login Cancel

Figure 6-1 Login Matrix

3. Click **Login**.
4. Choose output monitor and input channel.
 - 1) Enter the serial number of the output monitor in the numeric panel, and click .
 - 2) Enter the serial number of the input channel in the numeric panel, and click .
 - 3) **Optional:** You can click  delete the information if you find anything wrong.

Note

The information of the output window and the input channel appears on the interface.

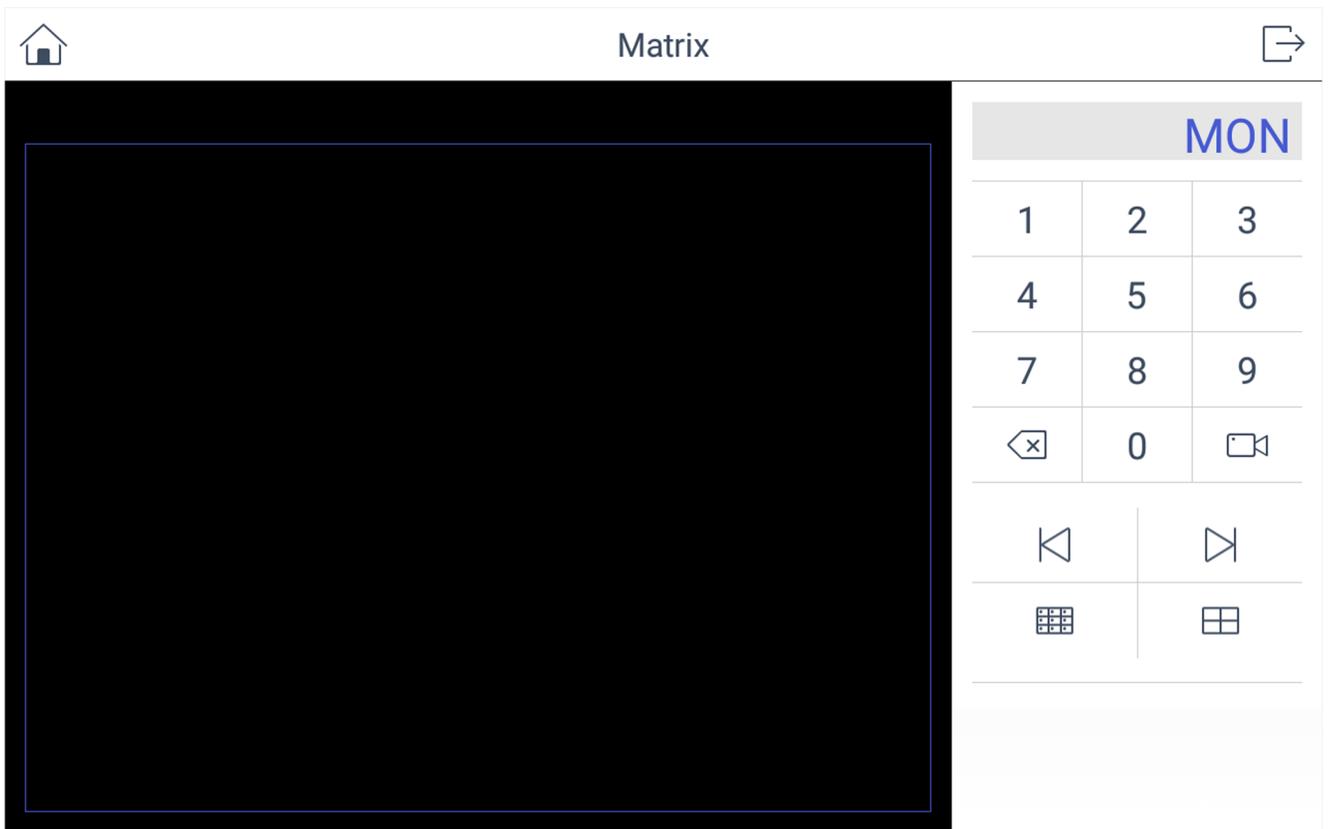


Figure 6-2 Monitor Interface

5. **Optional:** You can enter the number in numeric panel, and click  to split the window into multiple screens.
 6. **Optional:** You can click  or  to view previous or next input camera channel on the selected output window.
- For information about matrix access gateway operation, refer to its user manual.

Chapter 7 Configure System

For Ethernet and WLAN configuration, refer to **Set Wired Network** and **Set Wireless Network** .

7.1 Set Language

You can choose the device language.

Steps

1. Click **System Settings** → **Language** .
2. Select the system language as you desired.

7.2 Set Date and Time

You can set date and time and select time zone by configuring the parameters..

Steps

1. Click **System Settings** → **Date & Time** .
2. You can set the system date and time in two ways.
 - Automatic mode** Enable **Auto-obtain**.
 - Manual mode** a. Disable **Auto-obtain**.
 b. Click > at **Date & Time**.
 c. Set time as you desired.
 d. Click **Confirm**.
3. You can select time zone for your keyboard system.
 - 1) Click > at **Time Zone**.
 - 2) Select time zone as you desired.

7.3 Set Storage

The keyboard has no hard disk for storage, you can configure the FTP server parameters in **Storage** interface or you can connect a USB flash drive for storage.

Before You Start

Ensure the network connection of the PC (running FTP server) and the device is valid and correct. Run the FTP server on the PC.

Steps

1. Click **System Settings** → **Storage** .
2. Switch on **FTP server**.
3. Enter **Address**, **Folder**, **User Name**, and **Password** of the FTP server.



A new folder will be created in the directory.

4. Click **Save**.

7.4 Maintenance

For the admin user account, you can import and export the configuration files, and restore the defaults of local configurations. The import and export operation allows you to duplicate system settings from one device to another, which is a convenient way to configure your device.

Steps

1. Click **System Settings → Maintenance** .
2. Perform the following operations as demand.

Configure File (Import)

Import the configuration file from the USB flash drive.

Configure File (Export)

Export the configuration file to the USB flash drive.

Restore (Simple)

Restore the defaults of local configurations except the network

Restore (Complete)

You can restore the defaults of all the local configurations except the network parameters and the device will become inactive status.

7.5 Set Others

You can adjust screen brightness, lock screen time, enable/disable alarm sound, and choose the resolution of external monitor.

Steps

1. Click **System Settings → Others** .
2. Perform the following operations as demand.

Brightness

You can drag brightness slider to set it as you desired.

Auto-lock

Click  at **Auto-lock**.

Select the lock screen time as you desired.

Alarm Sound

You can enable/disable alarm sound at **Alarm Sound**.

External Monitor Resolution

Click  at **External Monitor Resolution**.

Display Video Only on Secondary Screen

When enabling **Display Video Only on Secondary screen**, live view and playback video will be shown on the secondary screen. And the operation will be shown on the keyboard.



Note

The alarm sound will be triggered when network is disconnected.

7.6 Upgrade Firmware

You can view keyboard version, access help document, and upgrade firmware by USB flash drive.

Steps

1. Click **System Settings** → **About** .
2. Click **Upgrade** and the system will automatically get upgrade firmware from USB flash drive.
3. You can click **Help** to access help document.



See Far, Go Further