



# **DS-1600KI Keyboard**

**Quick Start Guide**

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## Preface

### Applicable Models

This manual is applicable to the models listed in the following table.

| Series           | Model     |
|------------------|-----------|
| Network Keyboard | DS-1600KI |

### Access Documentation

Visit official website ( [www.hikvision.com](http://www.hikvision.com) ) for user manual, application, SDK document, etc.

Scan the following QR code to get more information about the operations of DS-1600KI network keyboard.



### Symbol Conventions

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

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

### Safety Instructions



#### **Danger**

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause overheating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.



#### **Caution**

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Unit is designed for indoor use only.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Use the device in conjunction with an UPS if possible.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- A factory recommended HDD should be used for this device.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

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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, with 1280 × 800 resolution
- Android operation system and detachable design of the touchscreen and joystick
- Capable of decoding 4-ch at 1080p resolution
- Up to 16-division window display
- Supports H.265/H.264 encoding format
- Live view on touchscreen
- DVI and HDMI outputs to monitor
- Local playback of video
- 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**

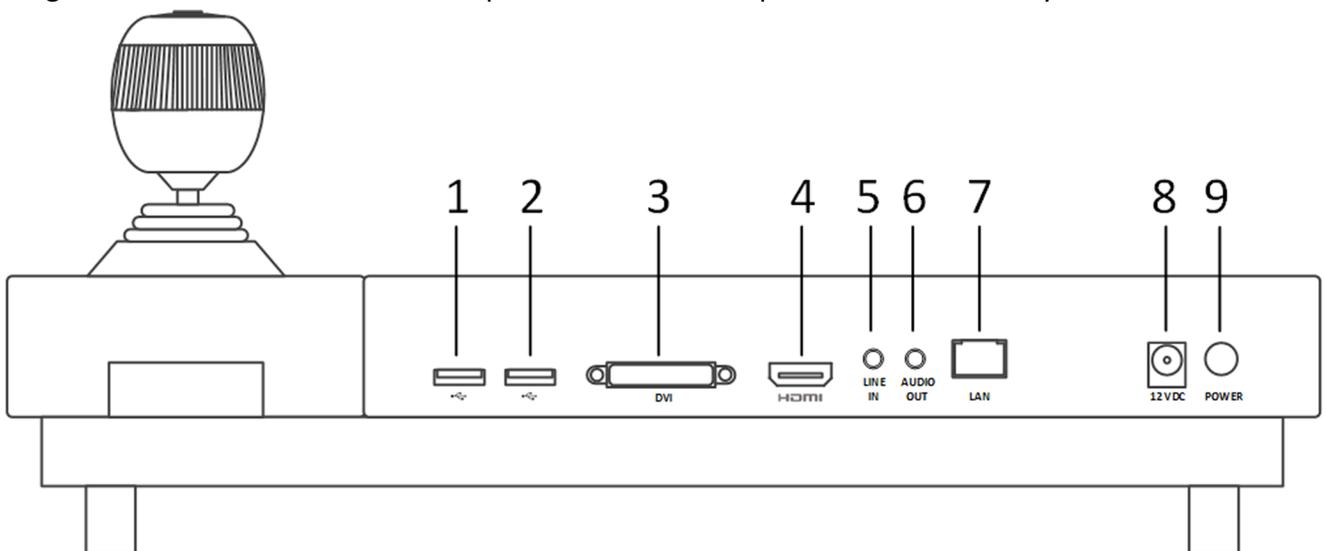
| Operation | Function                              |
|-----------|---------------------------------------|
| Up        | PTZ control mode: Move the PTZ up.    |
| Down      | PTZ control mode: Move the PTZ down.  |
| Left      | PTZ control mode: Move the PTZ left.  |
| Right     | PTZ control mode: Move the PTZ right. |

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| 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.<br>Hold (for 3 s) to power on/off, or reboot the device. |

## Chapter 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. 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**.



#### 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.

## 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 an 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**.

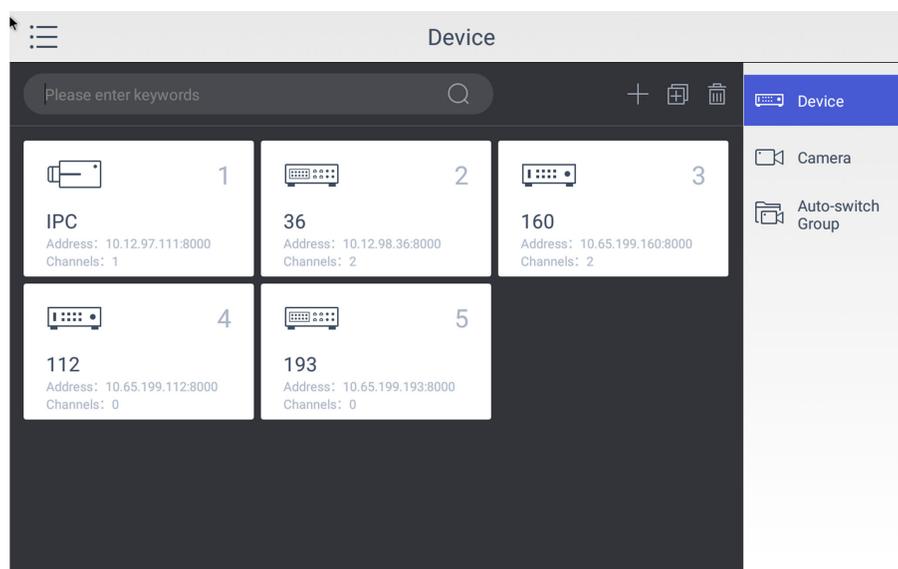


Figure 4-1 Device Management Interface of the Admin

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**

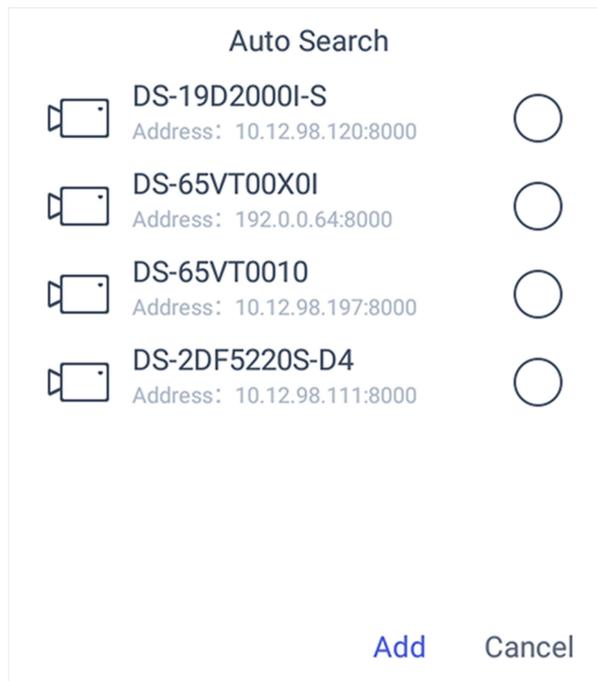
6. Click **Save** to finish adding.

### 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 .

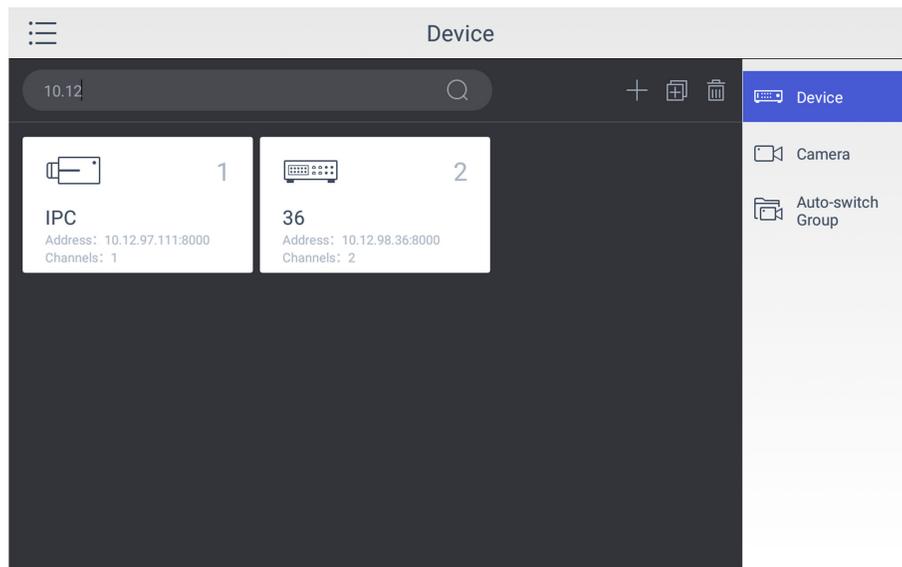


Figure 4-4 Search Device

### 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

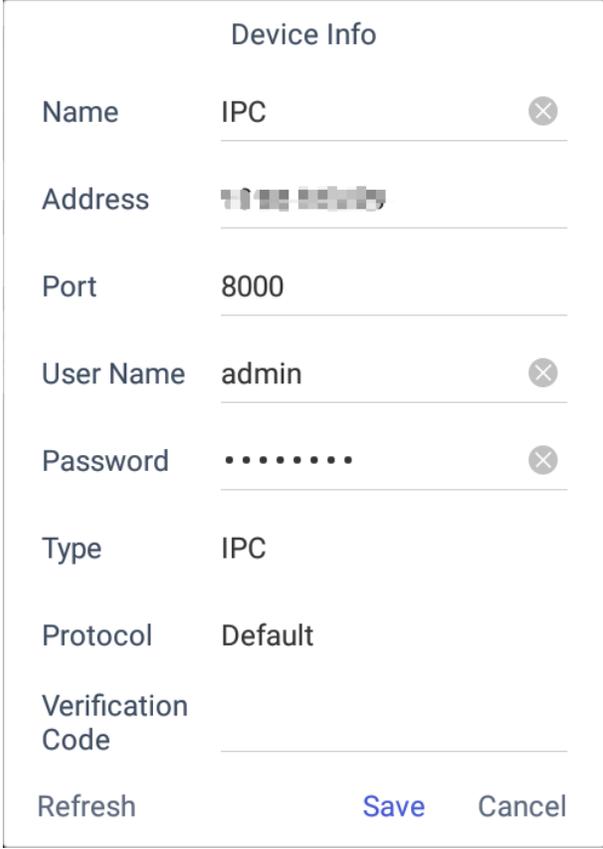
1. Click **Keyboard**.
2. Click .

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              | IPC <input type="text"/>  |
| Address           | <input type="text"/>  |
| Port              | 8000 <input type="text"/>   |
| User Name         | admin <input type="text"/>  |
| Password          | ..... <input type="text"/>  |
| Type              | IPC   |
| Protocol          | Default   |
| Verification Code | <input type="text"/>  |
| 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**.

- 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**

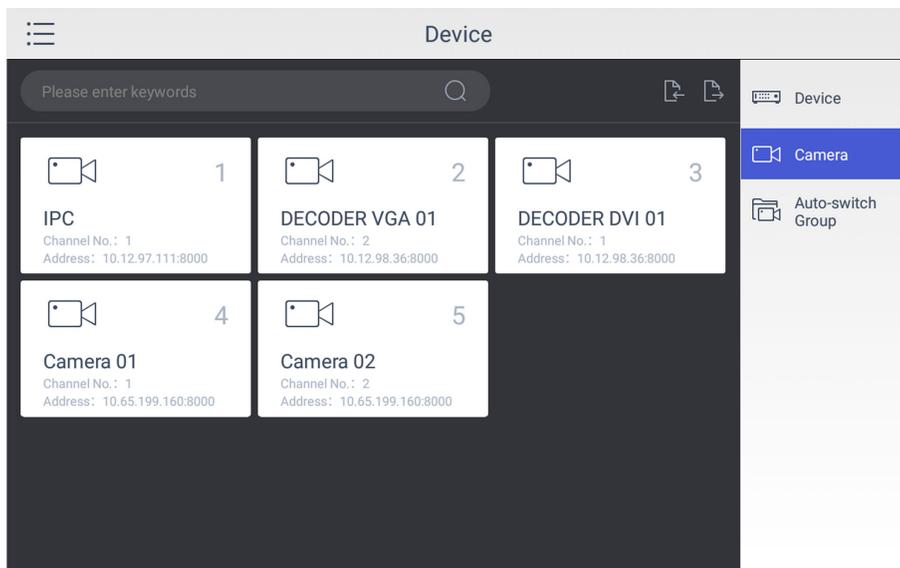
The device name.

**Address**

The IP address and port of the corresponding device.

**Channel No.**

The channel number of added camera.



**Figure 4-6 Camera Management Interface**

- 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.

- Click **Save** to finish modification.

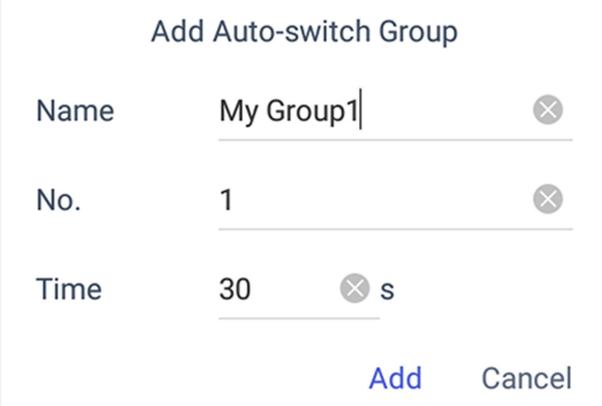
### 4.1.3 Manage Auto-switch Group

#### 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 screenshot shows a dialog box titled "Add Auto-switch Group". It has three input fields: "Name" containing "My Group1", "No." containing "1", and "Time" containing "30 s". Each field has a small "X" icon to its right. At the bottom right of the dialog are two buttons: "Add" and "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.

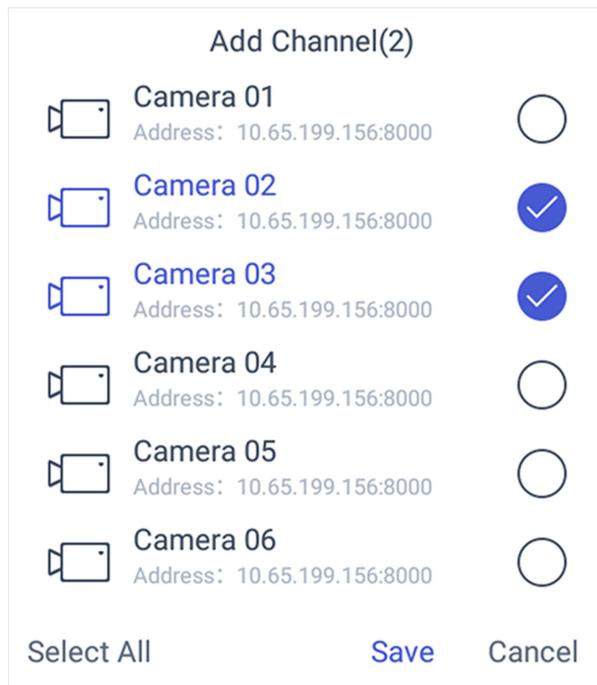
##### No.

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**.



**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

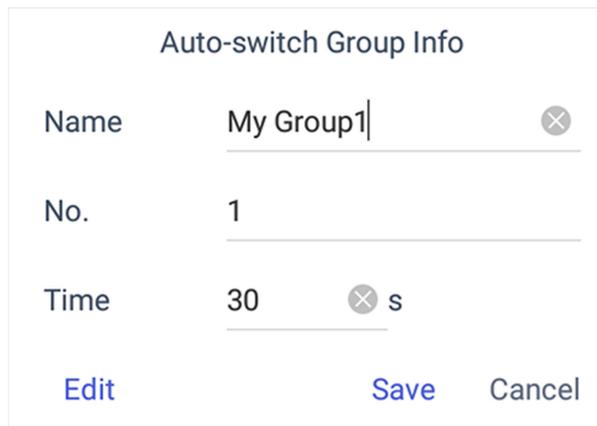
You can view and modify auto-switch group details in **Auto-switch Group** interface.

#### 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.



Auto-switch Group Info

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

- a. Click **List** or **Group**.
- b. 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.

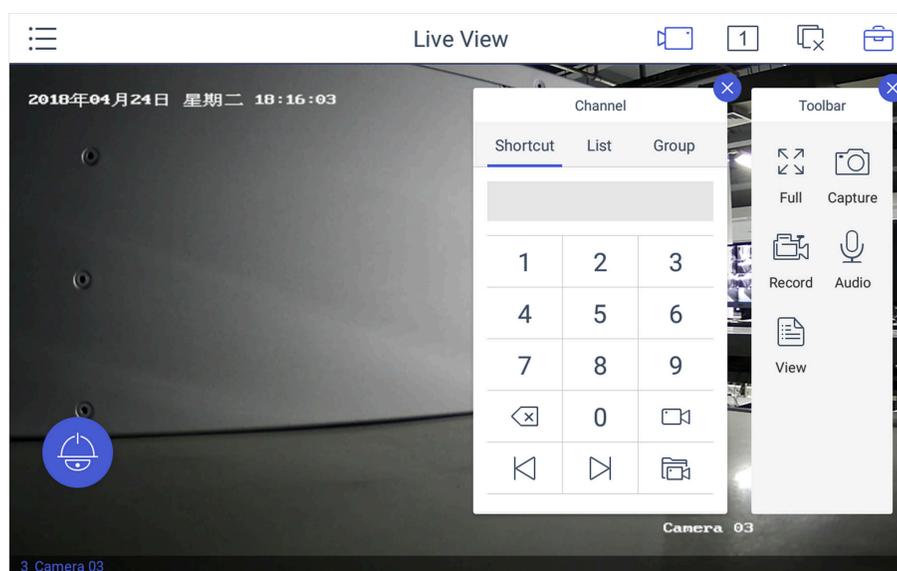


Figure 4-10 Live View

### 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.

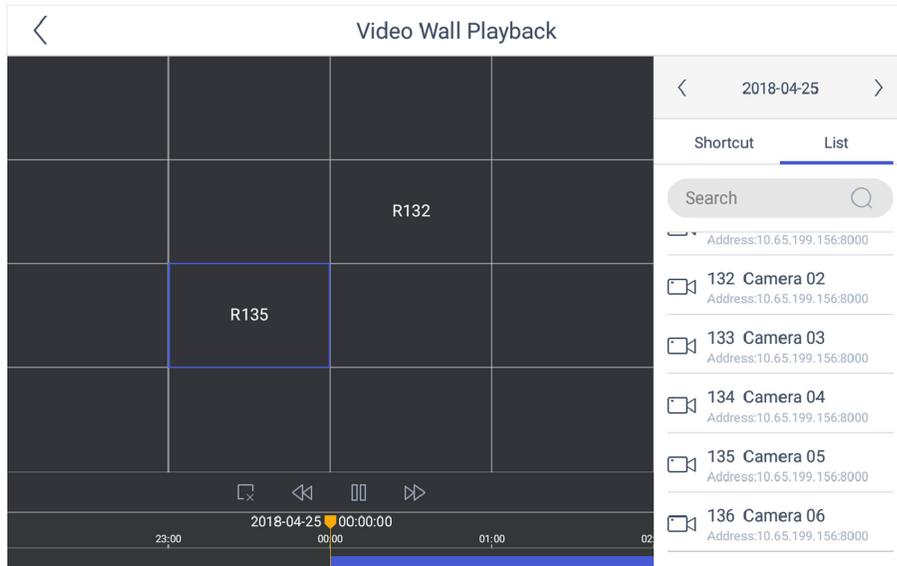
#### Before You Start

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**
- a. Click **List**
  - b. Select a camera in the list.

---

 **Note**

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

---

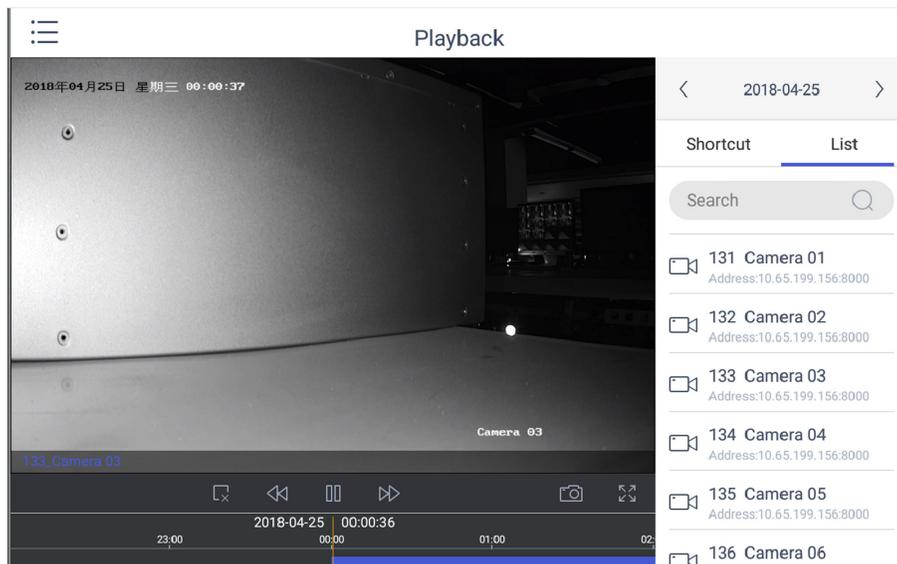
8. Drag the slider to set required playback time.
9. Use the toolbar to perform playback operations, including stop playing video, start/pause playing video, slow forward speed, and fast forward speed.

## 4.3 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**
- 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.

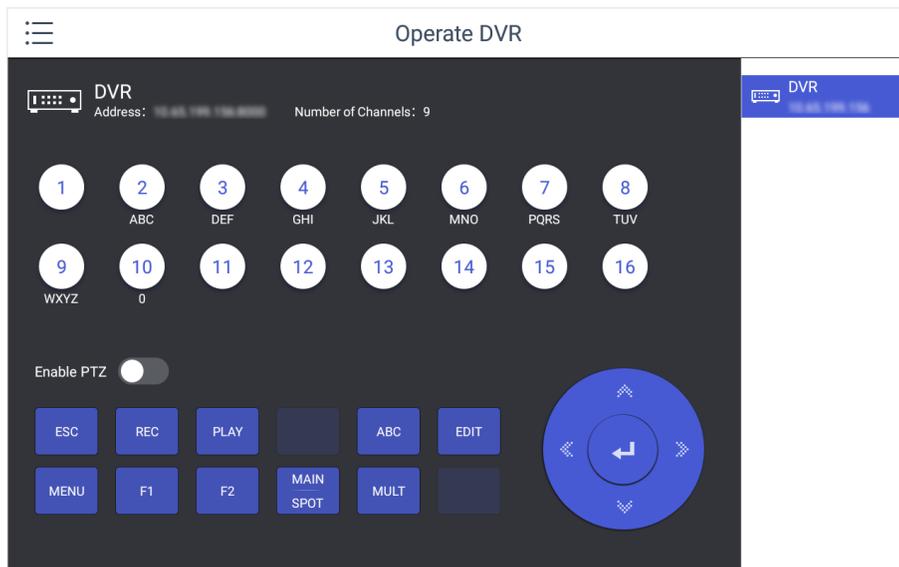
---

## 4.4 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 4-13 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 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.                            |
| 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.

---

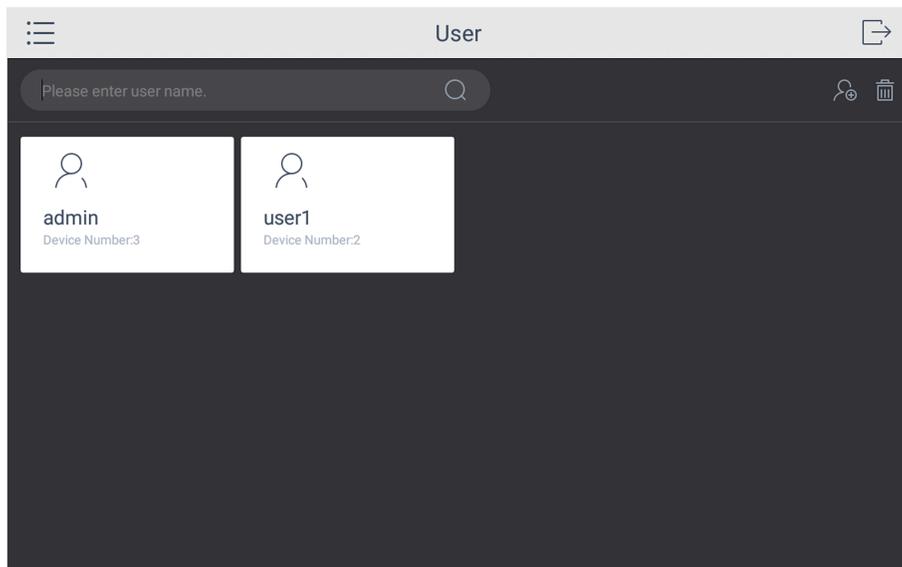
6. Click **Add**.
7. Select camera(s) from the device list to assign user device permission.
8. Click **Save** to save the settings.



#### 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**

- 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.

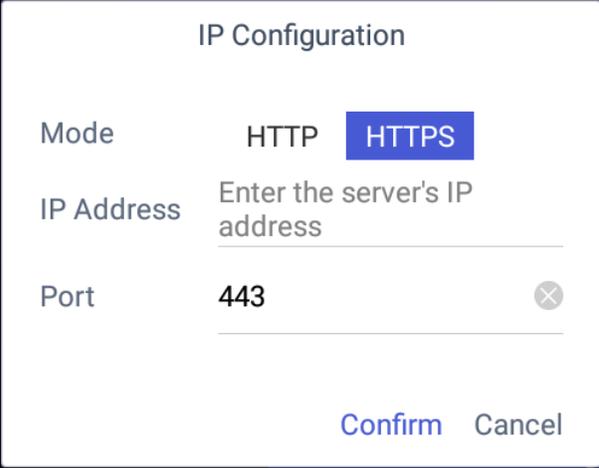
### 5.1 Control iSecure

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

#### 5.1.1 Login

##### Steps

1. Tap **iSecure** on the main page.
2. Tap **IP Configuration**.
3. Select **HTTP** or **HTTPS** mode, enter the server's **IP Address**, and tap **Confirm**.



IP Configuration

Mode      HTTP    **HTTPS**

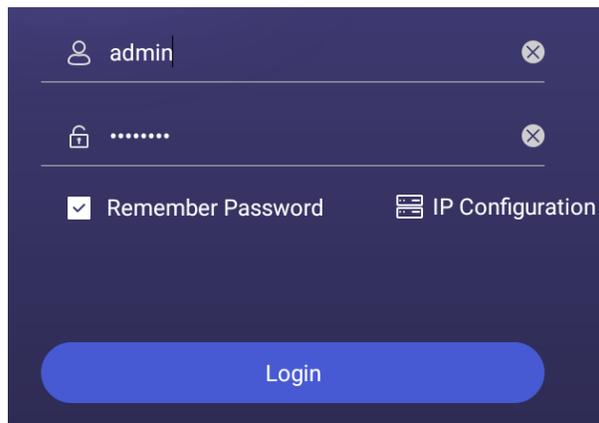
IP Address    Enter the server's IP address

Port          443            X

Confirm    Cancel

**Figure 5-1 IP Configuration**

4. Enter the server's user name and password.



**Figure 5-2 Login**

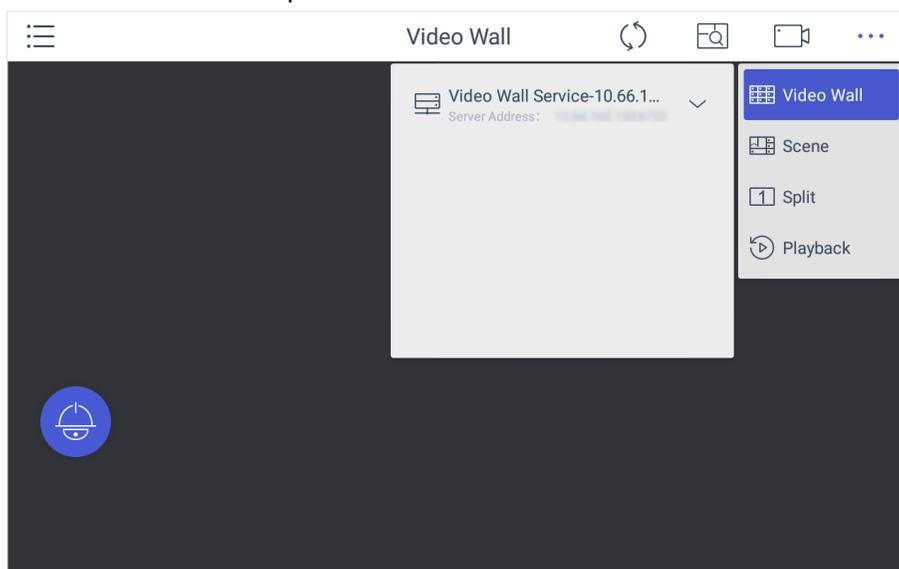
- 5. Optional:** Check **Remember Password** to log in with no need to enter password next time.
- 6.** Tap **Login**.

## 5.1.2 Display a Camera on Video Wall

### Steps

1. Tap  on the iSecure main page, and select **Video Wall**.
2. Tap  in the upper-right corner and select **Video Wall**, and select the video wall that you want to configure.

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



**Figure 5-3 Video Wall**

- 3. Optional:** Tap  to select desired scene from **Scene** list.
- 4. Optional:** Tap  and select **Split** to split the output window.
- 5.** Tap  to play the live video of corresponding camera on the window. You can choose one of the following ways:

- Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .
- Tap **List**, and select a camera to display.

You can also perform the following operations:

- Enter 0+  to stop playing the live video of corresponding camera on the window.
- Tap  to preview the live video of the previous input camera channel on the selected output monitor.
- Tap  to preview the live video of the next input camera channel on the selected output monitor.

## 6. Other operations:

- Tap  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**.
- Tap  to perform PTZ control. For details, see **PTZ Control** for specifications.

## 5.1.3 Local Live View

### Steps

1. Tap  and select **Live View** to go to the local live view.

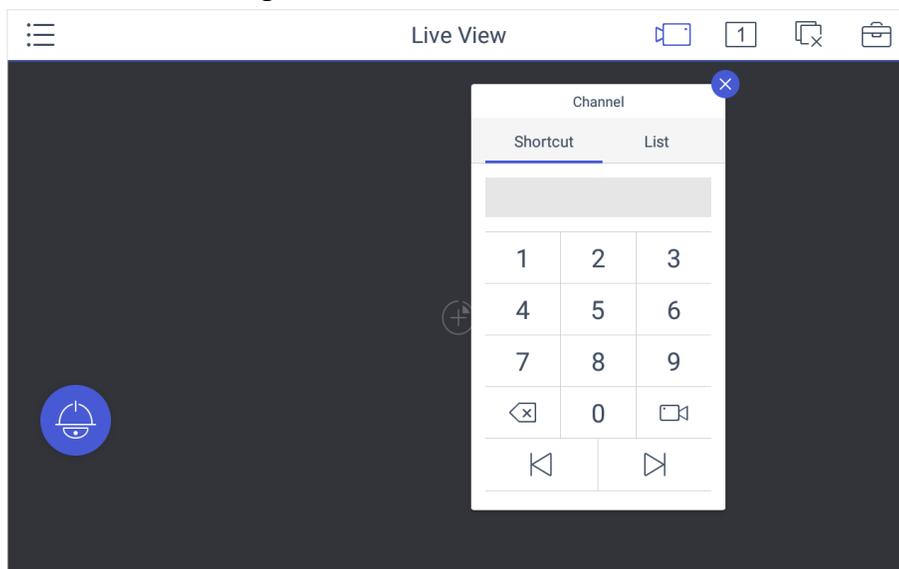


Figure 5-4 Live View

2. **Optional:** Tap  to select the window division mode.

---

### Note

You can also preview the window first and then split the window. In this situation, the previewed window is on the upper-left by default.

---

3. Select a channel, and tap .
4. Watch the live view.
  - Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .

- Tap **List**, and select a channel to preview.

### 5. **Optional:** Switch the channel.

- Enter 0+  to stop previewing.
- Tap  to preview the live video of the previous input camera channel on the selected output monitor.
- Tap  to preview the live video of the next input camera channel on the selected output monitor.

### 6. **Optional:** Tap to close all the live view windows. You can tap to perform the following operations.

| Icon           | Description   |
|----------------|---|
| <b>Full</b>    | <ul style="list-style-type: none"><li>• Tap <b>Full</b> to have a full-screen preview of the live video of corresponding camera on the window.</li><li>• Double-tap the window to have a full-screen preview.</li></ul> |
| <b>Capture</b> | Select a window and tap <b>Capture</b> to save pictures to a USB flash drive or FTP server.   |

---

#### **Note**

You can also press the button on the joystick to capture pictures.

---

|               |   |
|---------------|---|
| <b>Record</b> | Select a window and tap <b>Record</b> to save records to a USB flash drive or FTP server. |
| <b>View</b>   | Tap <b>View</b> to view parameters of the camera on live view.                            |

---

#### **Note**

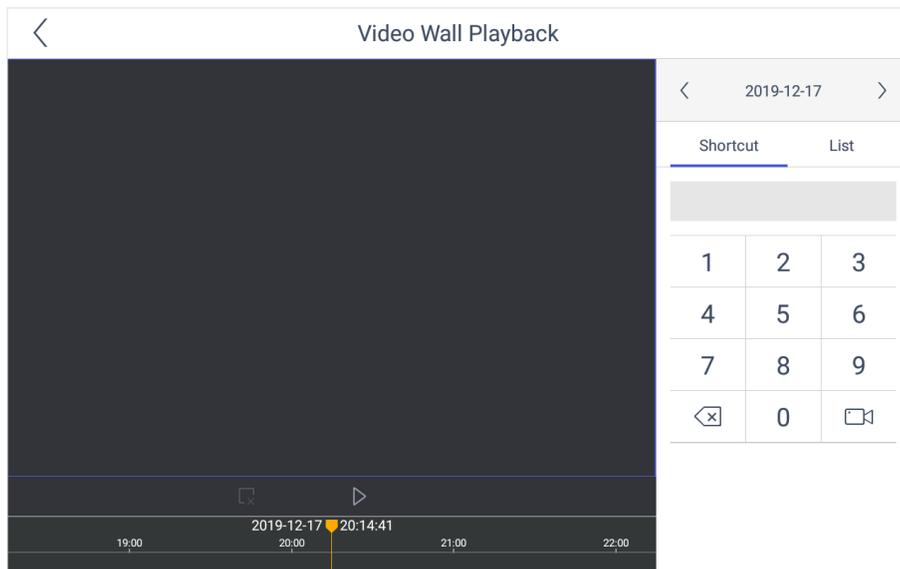
If you perform operations of capturing pictures or recording videos, make sure to connect the keyboard with a USB flash drive, or provide a valid and correct network connection between PC (running FTP server) and the keyboard, and set the FTP parameters of keyboard correctly. Refer to **Set Storage**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

---

### 5.1.4 Video Wall Playback

#### Steps

1. Tap  on the iSecure main page, and select **Video Wall**.
2. Select a display window, tap  in the upper-right corner, and select **Playback**.



**Figure 5-5 Video Wall Playback**

3. Select the date.
4. Select the channel. You can choose one of the following ways.
  - Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .
  - Tap **List**, and select the desired channel.
5. Drag the slider to set required playback time and play from the start time by default.
6. Use the toolbar to perform playback operations.

| Icon  | Description |
|---|-------------|
|  | Pause/Start |
|  | Stop        |

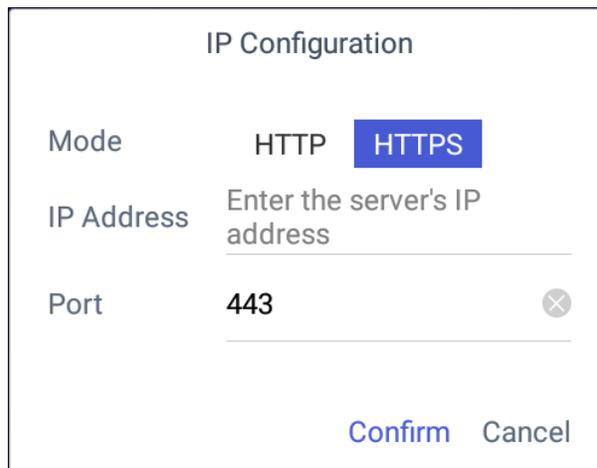
## 5.2 Control HikCentral

You can connect the keyboard to **HikCentral** platform to play live videos on the video wall, watch video playback or watch live video locally.

### 5.2.1 Login

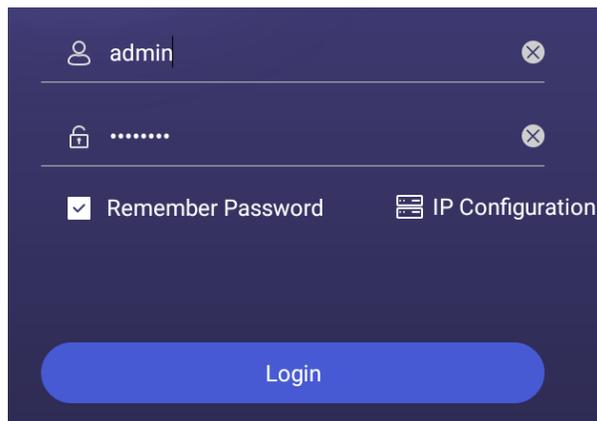
#### Steps

1. Tap **HikCentral** on the main page.
2. Tap **IP Configuration**.
3. Select **HTTP** or **HTTPS** mode, enter the server's **IP Address**, and tap **Confirm**.



**Figure 5-6 IP Configuration**

4. Enter the server's user name and password.



**Figure 5-7 Login**

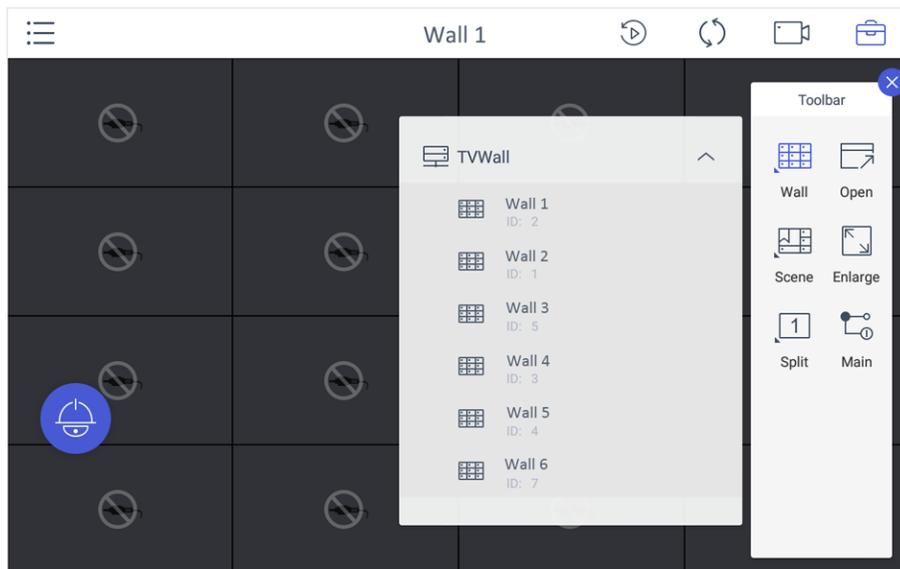
5. **Optional:** Check **Remember Password** to log in with no need to enter password next time.
6. Tap **Login**.

## 5.2.2 Display a Camera on Video Wall

### Steps

1. Tap HikCentral  on the iSecure main page, and select **Video Wall**.
2. Tap  in the upper-right corner and select **Wall**, and select the video wall that you want to configure.

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



**Figure 5-8 Video Wall**

3. **Optional:** Tap to select desired scene from **Scene** list.
4. **Optional:** Tap and select **Split** to split the output window.
5. Tap to play the live video of corresponding camera on the window. You can choose one of the following ways:
  - Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .
  - Tap **List**, and select a camera to display.

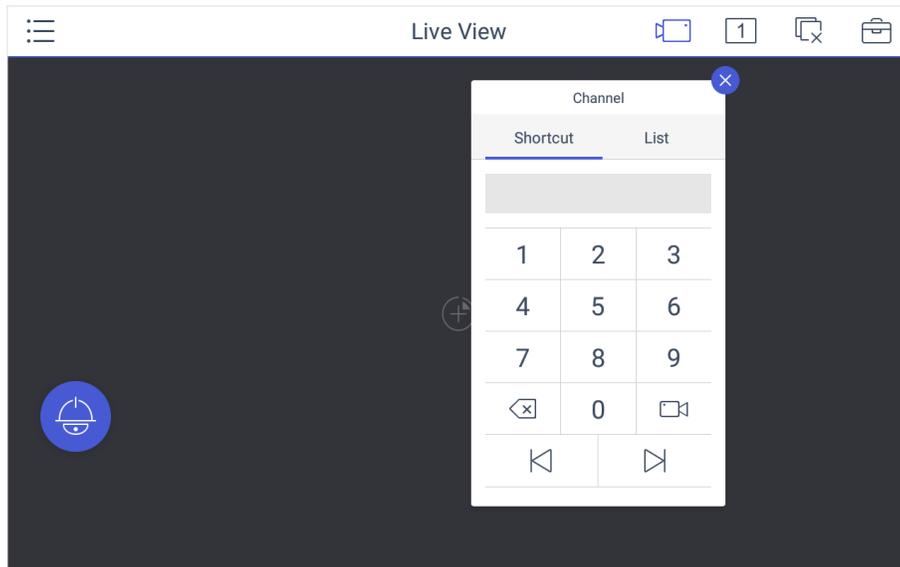
You can also perform the following operations:

- Enter 0+ to stop playing the live video of corresponding camera on the window.
  - Tap to preview the live video of the previous input camera channel on the selected output monitor.
  - Tap to preview the live video of the next input camera channel on the selected output monitor.
6. Other operations:
    - Select a non-BNC window, tap and select **Open** to open a new window above non-roaming windows.
    - Tap to perform PTZ control. For details, see **PTZ Control** for specifications.
    - Select a window and tap **Enlarge** to enlarge the window.
    - Select a window and tap **Main** to switch the stream type.

## 5.2.3 Local Live View

### Steps

1. Tap and select **Live View** to go to the local live view.



**Figure 5-9 Live View**

2. **Optional:** Tap to select the window division mode.

**Note**

You can also preview the window first and then split the window. In this situation, the previewed window is on the upper-left by default.

3. Select a channel, and tap .
4. Watch the live view.
  - Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .
  - Tap **List**, and select a channel to preview.
5. **Optional:** Switch the channel.
  - Enter 0+ to stop previewing.
  - Tap to preview the live video of the previous input camera channel on the selected output monitor.
  - Tap to preview the live video of the next input camera channel on the selected output monitor.
6. **Optional:** Tap to close all the live view windows. You can tap to perform the following operations.

| Icon           | Description  |
|----------------|--|
| <b>Full</b>    | <ul style="list-style-type: none"> <li>• Tap <b>Full</b> to have a full-screen preview of the live video of corresponding camera on the window.</li> <li>• Double-tap the window to have a full-screen preview.</li> </ul> |
| <b>Capture</b> | Select a window and tap <b>Capture</b> to save pictures to a USB flash drive or FTP server.  |

---

## Note

You can also press the button on the joystick to capture pictures.

---

**Record** Select a window and tap **Record** to save records to a USB flash drive or FTP server.

**View** Tap **View** to view parameters of the camera on live view.

---

## Note

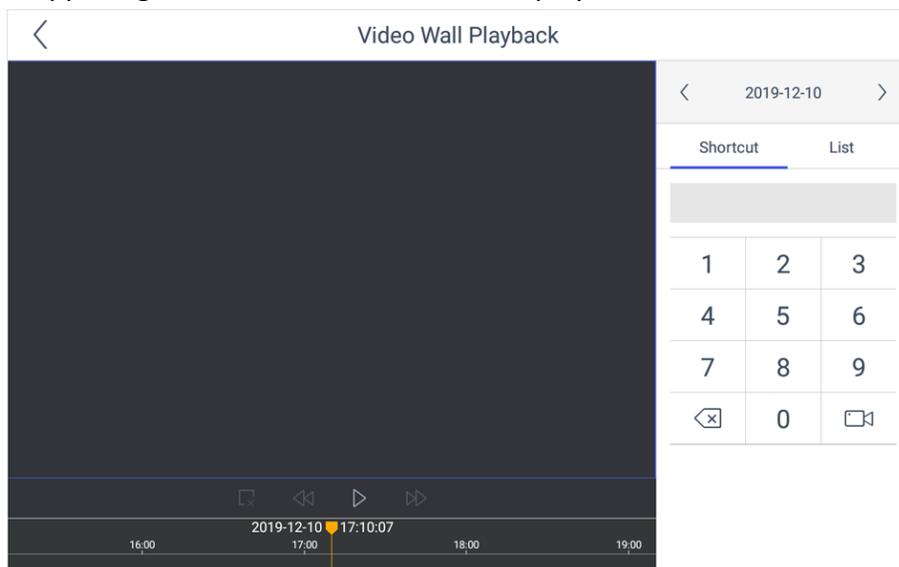
If you perform operations of capturing pictures or recording videos, make sure to connect the keyboard with a USB flash drive, or provide a valid and correct network connection between PC (running FTP server) and the keyboard, and set the FTP parameters of keyboard correctly. Refer to **Set Storage**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

---

## 5.2.4 Video Wall Playback

### Steps

1. Tap  in the upper-right corner to watch video wall playback.



**Figure 5-10 Video Wall Playback**

2. Select the date.
3. Select the channel. You can choose one of the following ways.
  - Tap **Shortcut**, and enter the serial number in the numeric panel, and tap .
  - Tap **List**, and select the desired channel.
4. Drag the slider to set required playback time and play from the start time by default.
5. Use the toolbar to perform playback operations.

**Icon** Description

-  Pause/Start
-  Fast forward speed; you can also move the joystick right to fast forward the video.
-  Slow forward speed; you can also move the joystick left to slow forward the video.
-  Stop

## 5.3 Control KPS

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

### Steps

1. Click KPS 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.

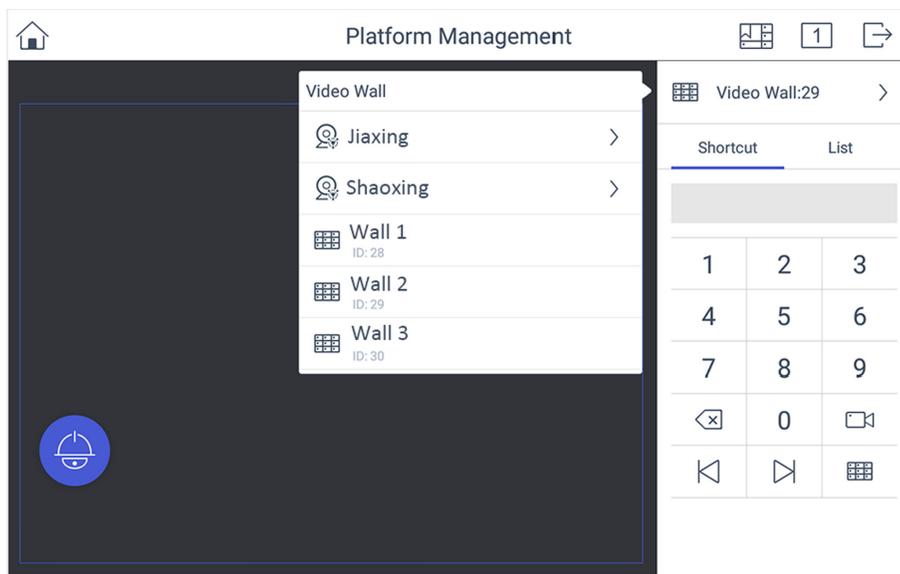


Figure 5-11 Platform Management

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.



See Far, Go Further