



Parking Management System Software

User Manual

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Symbol Conventions

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

Symbol	Description
 NOTE	Provides additional information to emphasize or supplement important points of the main text.
 WARNING	Indicates a potentially hazardous situation, which if not avoided, could result in device damage, data loss, performance degradation, or unexpected results.
 DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Introduction

1.1 Software Introduction

Parking Management System Software (PMS) is a software specially designed for the management of passing vehicle and parking fee information. It provides storage, forwarding, search, statistics, analysis, and live view services of passing vehicle information by connecting to smart entrance and exit devices, such as ANPR cameras and card readers. It also controls parking fee payments at entrance and exit by connecting to card reader, entrance and exit station, barrier gate, and other exterior devices. Meanwhile, all parking fee details can be searched and calculated on the platform.

The product is applicable to communities, parking lots, and entrances and exits. It helps property administrators to better manage and control passing vehicle and parking fee information.

1.2 System Requirement and Performance

- Windows
 - Microsoft® Windows 11 64-bit
 - Microsoft® Windows 10 64-bit
 - Microsoft® Windows Server 2025
 - Microsoft® Windows Server 2019 64-bit
 - Microsoft® Windows Server 2016 64-bit
 - Microsoft® Windows Server 2012 R2 64-bit
 - Microsoft® Windows Server 2012 64-bit
 - Microsoft® Windows Server 2022



NOTE

For Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.

- Database
 - PostgreSQL V11.21
- CPU
 - If you need to enable lane live view, hardware decoding should be supported.
- RAM
 - 4 GB

Chapter 2 Initial Login

For initial login and use, you need to connect to database and set admin password for login.

Before You Start:

Install the database.

Steps:

1. Double-click the software desktop shortcut to enter **Database Settings** interface.

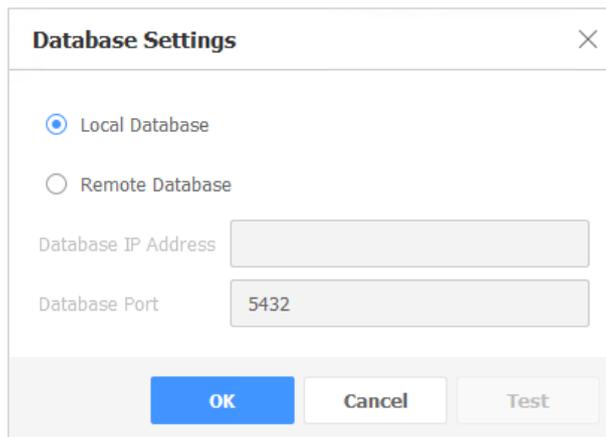


Figure 2-1 Select Database

2. Select database, and click **OK**.
 - Select **Local Database** if the database is stored locally.
 - Select **Remote Database** if the database is stored in another terminal. Then set **Database IP Address** and **Database Port**.
3. Set and confirm super administrator password, and click **OK**.

Edit Super Administrator Password ×

The current super administrator password is the default password. Please change it.

Caution

1. Use strong password for system security.
2. Cannot be set as default password.

* **New Password**

None

* **Confirm**

OK Cancel

Figure 2-2 Set Super Administrator Password

 **WARNING**

STRONG PASSWORD RECOMMENDED– We highly recommend that you create a strong password of your own choosing (using 8 to 16 characters, including at least two kinds of upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. Do not contain the user account, 123, admin (case insensitive), 4 consecutive digits in ascending or descending order (such as 1234, 4321), 4 consecutive repeated characters (such as 1111, aaaa), and sensitive characters (such as hik, hkws, and hikvision).

4. Select the language from the top left drop-down list.
5. Select the user as admin, enter the password, and click **Login** to log in to the software.

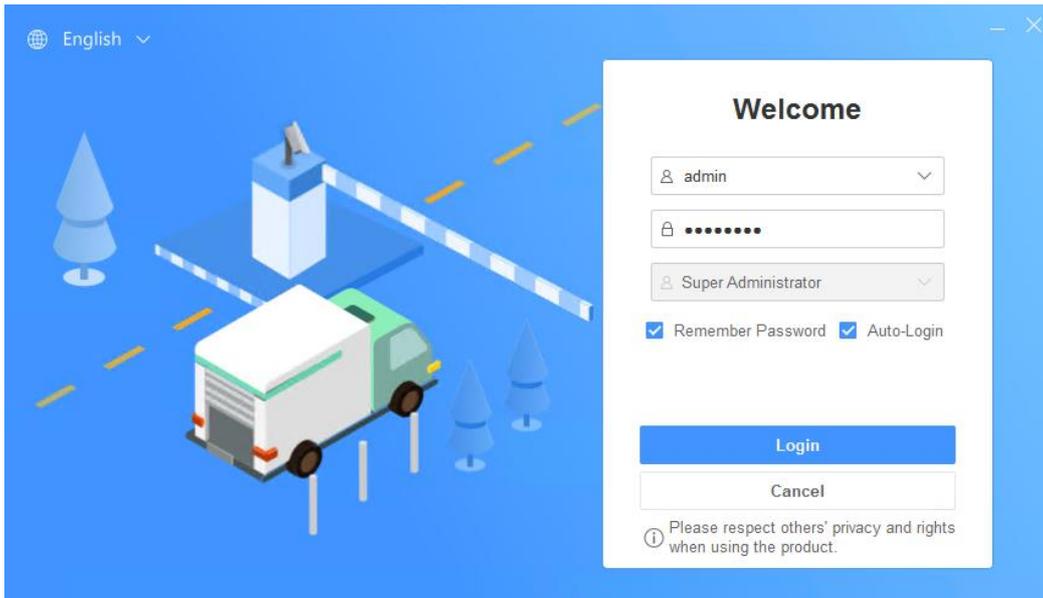


Figure 2-3 Login

 **NOTE**

- Check **Remember Password**, and you do not need to enter password again if you exit from the software and log in to it again.
- Check **Auto-Login** to save the user name and password. Next time you start the software, it will log in automatically.

Chapter 3 Software Authentication

After initial login, you should access the software to Hikvision software authentication system to get the license, or you cannot use it. Please purchase the license activation code which supports management of up to 4 lanes or 8 lanes according to your needs. Then follow the instructions below to activate the software.

3.1 Activation



NOTE

If the software is installed on DS-TPE304-S entrance and exit control terminal, activation is not needed. Please ignore this chapter.

3.1.1 Online Activation

If your computer has been connected to the Internet, you can activate the software online with the activation code directly.

Before You Start:

Purchase the activation code.

Steps:

1. Go to **Configuration > System Settings > Software License Information**.
2. Select **Activation Type** as **Online Activation**.

A screenshot of a software configuration window titled "License". It contains two radio buttons for "Activation Type": "Online Activation" (which is selected with a blue dot) and "Offline Activation". Below this is a text input field labeled "Activation Code". At the bottom of the window is a blue button labeled "Activate".

Figure 3-1 Online Activation

3. Enter **Activation Code**.
4. Click **Activate** to activate the software.

Result:

The software will be activated directly. No need to reboot the software. The software will keep

active if the software is rebooted.

3.1.2 Offline Activation

If your computer has not been connected to the Internet, you can activate the software offline with the activation code.

Before You Start:

Purchase the activation code.

Steps:

1. Go to **Configuration > System Settings > Software License Information**.
2. Select **Activation Type** as **Offline Activation**.

License

Activation Type Online Activation Offline Activation

Step 1: Enter activation code and generate license request file.

Activation Code

Generate Request File

Step 2: Generate response file.

Enter the following website: <https://kms.hikvision.com/#/active> on the computer that can connect to the Internet to enter the License Activation Platform. Upload the generated request file to generate a response file.

Step 3: Import the response file.

File

Activate

Figure 3-2 Offline Activation

3. Enter **Activation Code**, and click **Generate Request File**.
4. Access to <https://kms.hikvision.com/#/active> on a computer which has been connected to the Internet to enter the License Activation Platform. Upload the generated request file to generate a response file according to the prompt on the interface. Save the response file to the computer installed the software.
5. On the computer installed the software, click  to select the saved response file, and click **Activate** to activate the software.

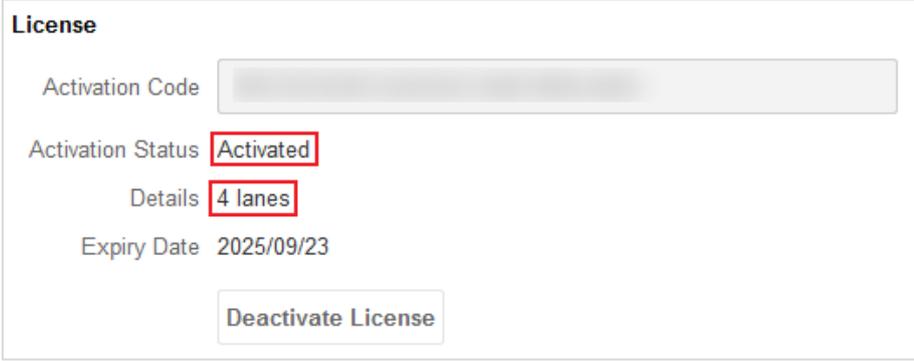
Result:

The software will be activated. No need to reboot the software. The software will keep active if

the software is rebooted.

3.2 Check Authentication Status

After activation, check authentication status. Check if **Activation Status** is activated, and the supported number of lanes is correct.



The screenshot shows a 'License' configuration window. It contains the following fields and values:

- Activation Code: [Redacted]
- Activation Status: **Activated** (highlighted with a red box)
- Details: **4 lanes** (highlighted with a red box)
- Expiry Date: 2025/09/23
- Deactivate License: [Button]

Figure 3-3 Check Authentication Status

3.3 Deactivation

If you want to use the activation code of the current computer installed with the software for another computer, you can deactivate the software on the current computer first. Online and offline deactivation are supported.

NOTE

For the software supporting 8 lanes, if you deactivate it, the supported number of lanes will change to 4, and the software will be closed automatically for no authentication.

3.3.1 Online Deactivation

If your computer has been connected to the Internet, you can deactivate the software online directly.

Steps:

1. Go to **Configuration > System Settings > Software License Information**.
2. Click **Deactivate License**.

License

Activation Code

Activation Status Activated

Details 4 lanes

Expiry Date 2025/09/23

Deactivate License

Figure 3-4 Deactivate License

3. Select **Deactivation Type** as **Online Deactivation**.

License

Deactivation Type Online Deactivation Offline Deactivation

Activation Code

Deactivate **Cancel**

Figure 3-5 Online Deactivation

4. Click **Deactivate**.

5. Click **Yes** on the popup window to deactivate the software.

Result:

The software will be deactivated directly. No need to reboot the software. The software will keep inactive if the software is rebooted.

3.3.2 Offline Deactivation

If your computer has not been connected to the Internet, you can deactivate the software offline.

Steps:

1. Go to **Configuration > System Settings > Software License Information**.
2. Click **Deactivate License**.

License

Activation Code

Activation Status Activated

Details 4 lanes

Expiry Date 2025/09/23

Deactivate License

Figure 3-6 Deactivate License

3. Select **Deactivation Type** as **Offline Deactivation**.

License

Deactivation Type Online Deactivation Offline Deactivation

Step 1: Enter activation code and generate license request file.

Activation Code

Generate Request File

Step 2: Generate response file.

Enter the following website: <https://kms.hikvision.com/#/deactive> on the computer that can connect to the Internet to enter the License Deactivation Platform. Upload the generated request file to generate a response file.

Step 3: Import the response file.

File

Deactivate

Figure 3-7 Offline Deactivation

4. Click **Generate Request File**.
5. Access to <https://kms.hikvision.com/#/deactive> on a computer which has been connected to the Internet to enter the License Deactivation Platform. Upload the generated request file to generate a response file according to the prompt on the interface. Save the response file to the computer installed the software.
6. On the computer installed the software, click to select the saved response file, and click **Deactivate**.
7. Click **Yes** on the popup window to deactivate the software.

Result:

The software will be deactivated. No need to reboot the software. The software will keep inactive

if the software is rebooted.

3.4 Error Code Definitions

Refer to the table below for the error code definitions during activation, deactivation, and checking authentication status.

Table 3-1 Error Code Definitions for Activation and Deactivation

Operation Type	Error Code	Definition
Online Activation	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.
	0x08900012	Parsing response data failed.
	0x0890002d	The activation code has been used by another computer.
	0x08900042	Request expired.
	0x08900043	The activation code status exception.
	0x08900036	The activation code does not exist.
	0x0890002e	The activation code expired.
	0x08900048	Network exception.
	0x00231016	The local environment mismatch.
	0x0023102d	The system time was tampered.
	0x0890000a	Incorrect activation code format.
Online Deactivation	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.
	0x08900012	Parsing response data failed.
	0x08900048	Network exception.
	0x00231016	The local environment mismatch.
	0x0023102d	The system time was tampered.
Generate Offline Activation Request File	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.

Operation Type	Error Code	Definition
	0x00231007	The activation code is required.
	0x00231008	Incorrect activation code format.
	0x08900010	Generating request message exception.
	0x08900030	Getting license identification failed.
Import Offline Activation Response File	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.
	0x0890003b	Response file error.
	0x0890003e	Invalid file.
	0x08900034	Response file expired.
	0x08900012	Parsing response data failed.
	0x0890002d	The activation code has been used by another computer.
	0x08900042	Request expired.
	0x08900043	The activation code status exception.
	0x08900036	The activation code does not exist.
	0x0890002e	The activation code expired.
	0x00231016	The local environment mismatch.
	0x0023102d	The system time was tampered.
Generate Offline Deactivation Request File	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.
	0x00231007	The activation code is required.
	0x00231008	Incorrect activation code format.
	0x08900010	Generating request message exception.
	0x08900030	Getting license identification failed.
Import Offline Deactivation Response File	0	Normal
	0x08900001	Unknown exception.
	0x00215002	Interface identification authentication failed.

Operation Type	Error Code	Definition
	0x0890003b	Response file error.
	0x0890003e	Invalid file.
	0x08900034	Response file expired.
	0x08900012	Parsing response data failed.
	0x08900014	Deactivation failed.
	0x00231016	The local environment mismatch.
	0x0023102d	The system time was tampered.
Check Authentication Status	0	Succeeded.
	0x00215000	Unknown error.
	0x00215002	Interface identification authentication failed.

Chapter 4 Basic Configuration Wizard

Click  on the upper right corner of the main interface to complete the basic configuration. The configuration prompts will pop up on the interface for instructions. You can click **Next** or **Previous** to follow the instructions, or click **Skip** to skip the instructions.

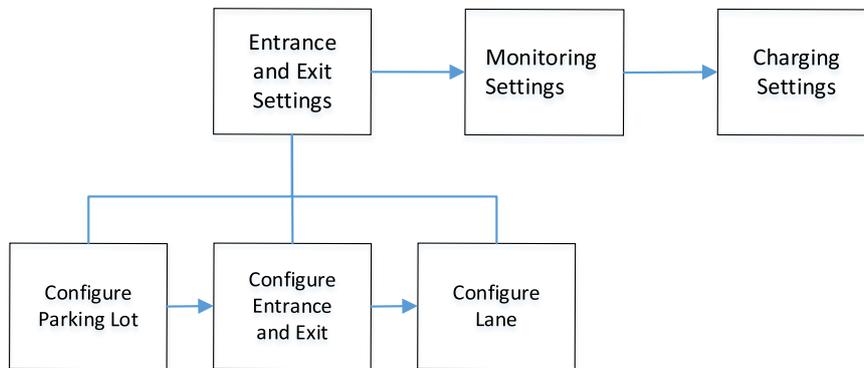


Figure 4-1 Basic Configuration Wizard Flowchart

4.1 Entrance and Exit Settings

4.1.1 Configure Parking Lot

You can configure the total number of parking spaces and vacant parking spaces, realize parking spaces fully occupied control, and distinguish parking space types for parking lot management.

Steps:

1. On **Entrance and Exit Settings** interface, click **Parking Lot** on the left.

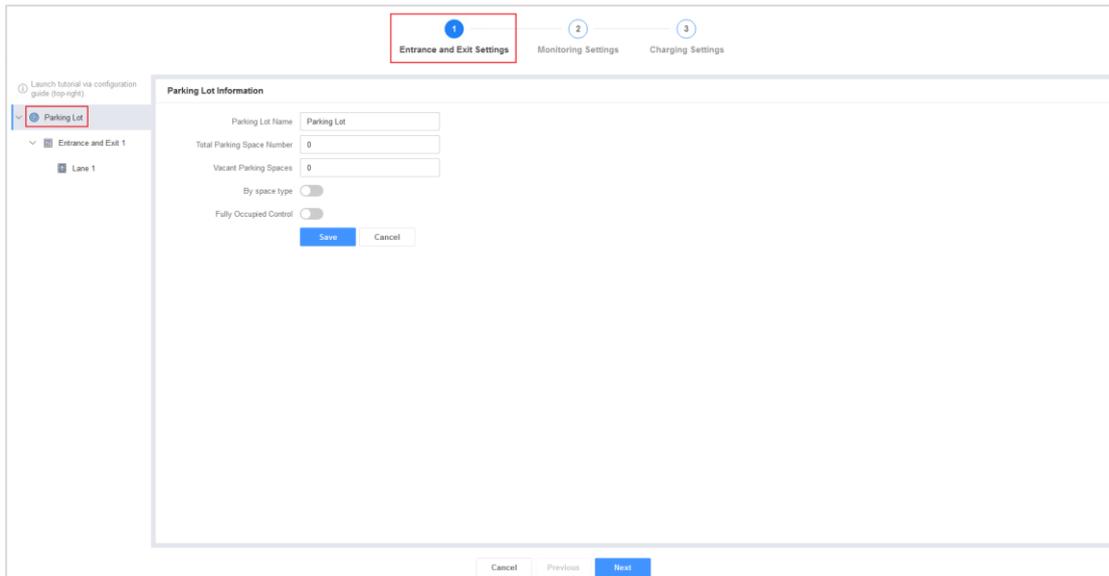


Figure 4-1 Enter Parking Lot Configuration

2. Configure the main parking lot information.

- 1) Enter **Parking Lot Name**, **Total Parking Space Number**, and **Vacant Parking Spaces**.
- 2) To rename the main parking lot, double-click the main parking lot name on the left to change the name. Or move the cursor over the main parking lot name area, click  appeared on the right side, and then click **Edit Name** to rename it.

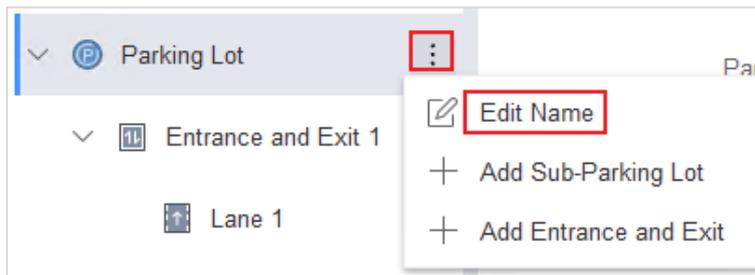


Figure 4-2 Edit Parking Lot Name

- 3) (Optional) To distinguish the types of parking spaces, you can enable **By space type**, and enable **By Space Type** to configure the total number of parking spaces and vacant parking spaces for registered and temporary vehicles. You can also enable **By Vehicle Type** to configure the total number of parking spaces and vacant parking spaces for motorcycles and cars.

Figure 4-3 Distinguish Parking Space Type

4) (Optional) Enable **Fully Occupied Control** to control vehicle passing when the parking lot is full, and select the types of registered vehicles and temporary vehicles that can enter when the parking lot is full.

Figure 4-4 Fully Occupied Control

5) Click **Save**.

3. Add sub-parking lots.

1) Move the cursor over the main parking lot, click  appeared on the right side, and then click **Add Sub-Parking Lot**.

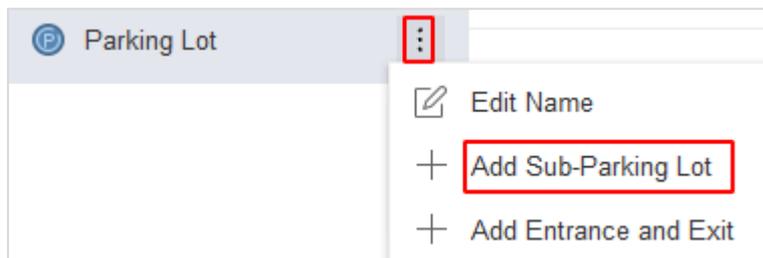


Figure 4-5 Add Sub-Parking Lot

Result:

A sub-parking lot, and its entrance and exit and lane are added automatically on the left side.

2) Repeat the above to add more sub-parking lots.

3) (Optional) To delete an added sub-parking lot, move the cursor over the sub-parking lot, click  appeared on the right, and then click **Delete**.

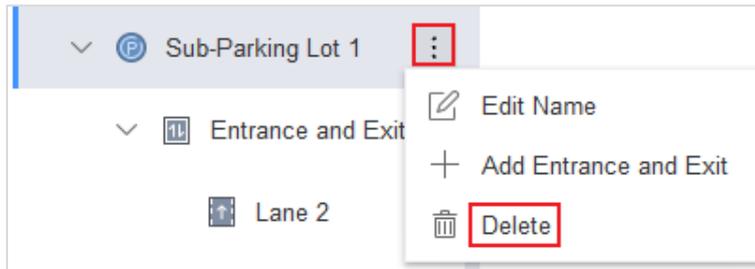


Figure 4-6 Delete Sub-Parking Lot

4. Configure the sub-parking lot information.

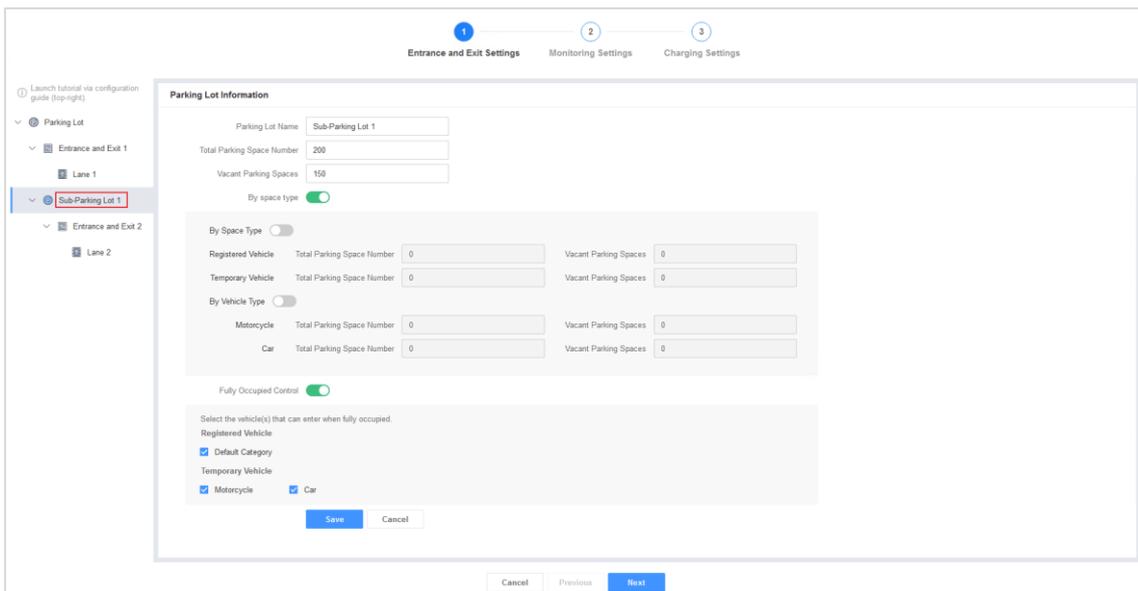


Figure 4-7 Configure Sub-Parking Lot

- 1) Click the corresponding sub-parking lot on the left.
- 2) Configure the sub-parking lot information on the right side.

NOTE

The sub-parking lot configuration is the same as that of the main parking lot. Please refer to step 2 for configuration.

- 3) Click **Save**.

4.1.2 Configure Entrance and Exit

You can configure entrances and exits for parking lots to realize auto vehicle passing and charging

management.

Steps:

1. The entrance and exit under the main parking lot is generated automatically, and the entrance and exit under the sub-parking lot will be generated automatically when you add a sub-parking lot. You can also add an entrance and exit under the main parking lot or sub-parking lots manually.
 - 1) Move the cursor over the main parking lot or a sub-parking lot on the left, click  appeared on the right side, and click **Add Entrance and Exit**.

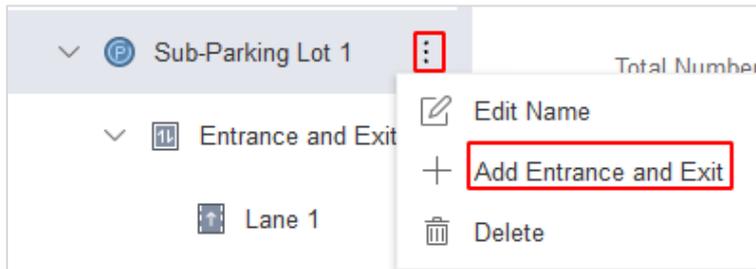


Figure 4-8 Add Entrance and Exit

Result:

An entrance and exit and a lane are automatically added on the left.

- 2) Repeat above to add more entrances and exits.

 **NOTE**

The number of entrances and exits that can be enabled simultaneously by one control terminal is limited. When the upper limit is reached, new entrances and exits cannot be added.

2. Configure the entrance and exit parameters.

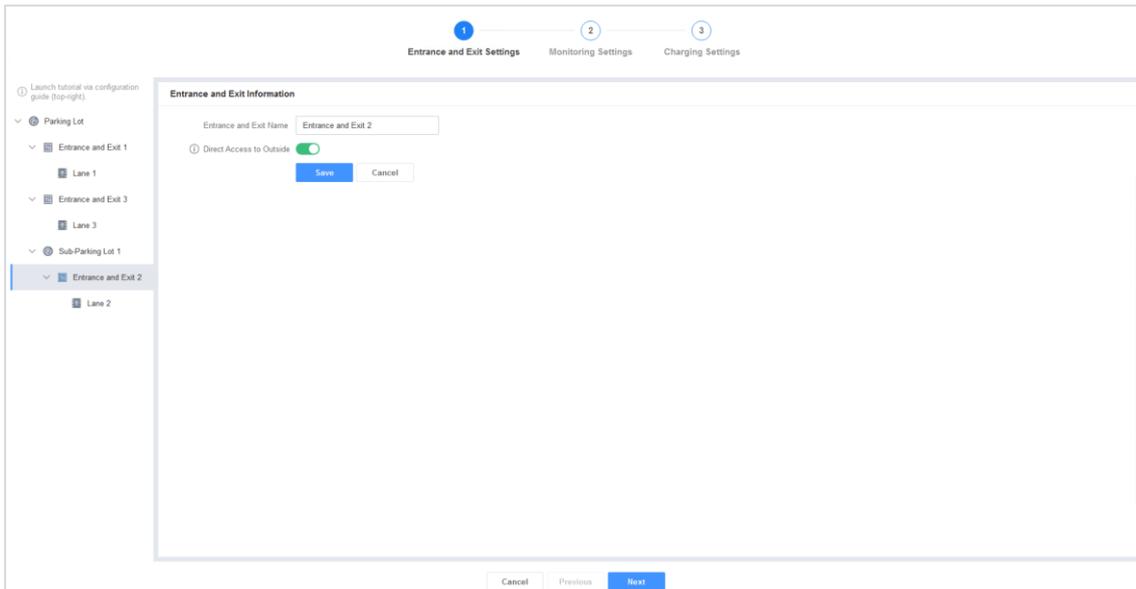


Figure 4-9 Configure Entrance and Exit

- 1) Select the target entrance and exit on the left.
- 2) Set **Entrance and Exit Name**.
- 3) Enable **Direct Access to Outside** according to the actual needs.

 **NOTE**

Direct Access to Outside is only available to sub-parking lots. When enabled, vehicles can enter and exit the sub-parking lot directly through the lanes of the entrance and exit under the sub-parking lot from outside. When disabled, vehicles must enter the main parking lot first, and then enter the sub-parking lot through the lanes of the entrance and exit under the sub-parking lot.

- 4) Click **Save**.
3. (Optional) Move the cursor over the entrance and exit, and click  appeared on the right side. You can perform the following quick operations.

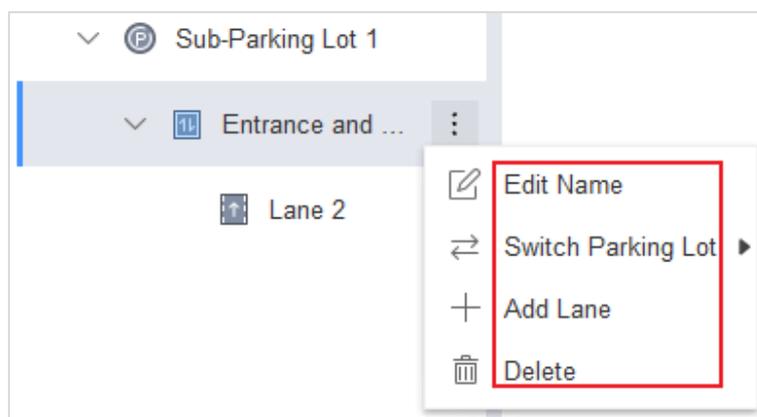


Figure 4-10 Entrance and Exit Quick Operations

- Click **Edit Name** to rename the entrance and exit. Or you can also rename it by double-clicking the entrance and exit name on the left.
- Click **Switch Parking Lot** to switch the current entrance and exit to another parking lot.
- Click **Add Lane** to add a lane to the current entrance and exit. Refer to **Configure Lane Parameters** for details.
- Click **Delete** to delete the current entrance and exit.

4.1.3 Configure Lane

You can configure lanes for entrances and exits to realize auto vehicle passing and charging management.

Steps:

1. The lane under an entrance and exit is generated automatically. You can also add lanes for entrances and exits manually.
 - 1) Move the cursor over the entrance and exit, click  appeared on the right side, and select **Add Lane**.

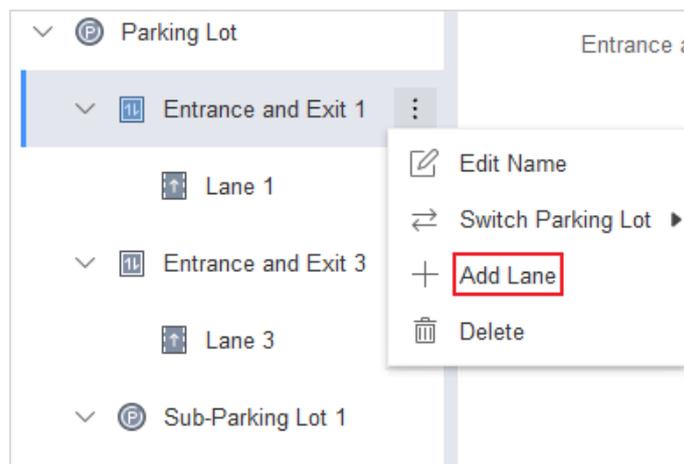


Figure 4-11 Add Lane

Result:

A lane under the current entrance and exit is added on the left.

- 2) Repeat the above step to add more lanes.

 **NOTE**

The number of lanes that can be enabled simultaneously by one control terminal is limited. When the upper limit is reached, new lanes cannot be added.

2. (Optional) Move the cursor over the lane, and click  appeared on the right side. You can perform the following quick operations.

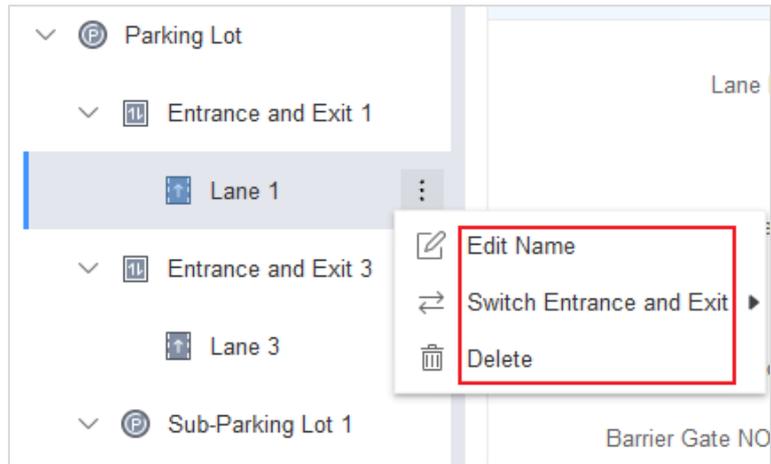


Figure 4-12 Lane Quick Operations

- Click **Edit Name** to rename the lane. Or you can also rename it by double-clicking the lane name on the left.
- Click **Switch Entrance and Exit** to switch the current lane to another entrance and exit.
- Click **Delete** to delete the current lane.

3. For lane configuration, refer to **Configure Lane Parameters** for details.

4. To add devices to lanes, refer to **Add Device** for details.

5. To configure display for lanes, refer to **Configure Display** for details.

What to Do Next:

After completing the lane settings, click **Next** to configure monitoring settings.

Configure Lane Parameters

Configure lane parameters such as lane names, lane rules, and add devices to the lanes.

Steps:

1. Select the lane on the left, and set the relevant parameters in the **Lane Settings** tab on the right.

Figure 4-13 Lane Configuration

2. Set **Lane Name**, and select the entrance or exit corresponding to the lane.
3. Configure the following parameters.

Lane Type

Select **Car Lane** if the lane is used to pass cars, or select **Motorcycle Lane** if the lane is used to pass motorcycles.

Trigger Mode

Select **Auto Trigger** when passing vehicles based on license plates, or select **Swipe Card Trigger** when passing vehicles based on card No.

Motorcycle Access

When you select **Lane Type** as **Car Lane**, you can enable **Motorcycle Access** to allow motorcycles to pass.

Barrier Gate NO Time

Click **Add** to set the time period for the gate to be normally open.

 **NOTE**

Up to 5 normally open time are allowed.

4. Select the vehicle passing rules in the **Lane Control** tab.

 **NOTE**

Lane rules vary with the lane types.

5. Click **Save**.

Add Device

Click a lane on **Entrance and Exit Settings** interface, and click **Add Device** in the **Lane Settings** tab. For details, refer to [Device Management](#).

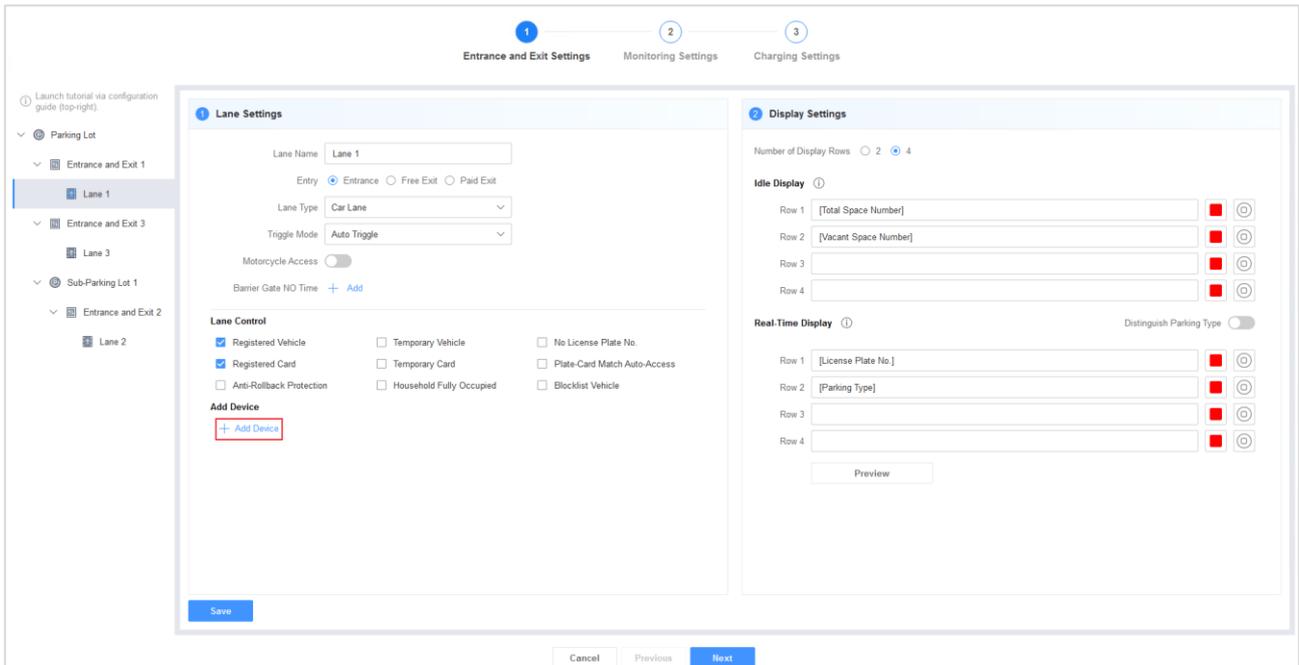


Figure 4-14 Add Device

Configure Display

You can configure the lane display including vehicle passing display and idle display, and distinguish vehicle type.

Steps:

1. Click a lane on **Entrance and Exit Settings** interface, and configure it in the **Display Settings** tab.

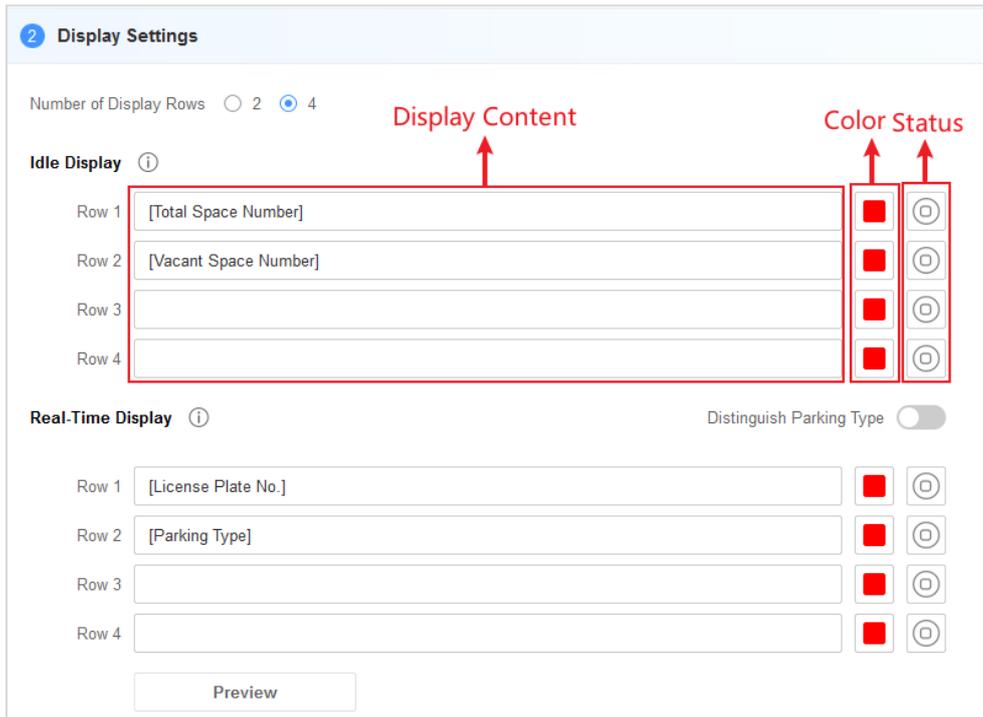


Figure 4-15 Configure Lane Display

2. Select **Number of Display Rows**.
3. Set display contents during idle time.

 **NOTE**

- Idle time display is only available for LED display.
- The color and status settings are not effective for LCD display.

- 1) Click the text filed of each row to select the display content.
- 2) Click the color box of each row to set the display color.
- 3) Click the status box after the color box of each row to set the display status. Static, right to left, and left to right display are available.
4. Set the display content in real time.

 **NOTE**

The color and status settings are not effective to the LCD display. All the contents take effect to the LED display.

Disable Distinguish Vehicle Type

The real-time display configuration is the same as that of the idle display.

Enable Distinguish Vehicle Type

1. Enable **Distinguish Vehicle Types**.
2. Set the display content, color, and status for different vehicle

- types.
- 3. (Optional) Click **Copy to Other Parking Types** to copy the configuration of the current vehicle type to the selected other vehicle types.
- 5. (Optional) Click **Preview** to view the set display effect.
- 6. Click **Save**.

4.2 Monitoring Settings

You can bind the monitoring live view images with the lanes.

Steps:

1. Click **Next** in the configuration wizard to enter **Monitoring Settings** interface.

Figure 4-16 Monitoring Settings

2. Select the number of lanes displayed on the main page.
3. Select the display effect of the charging module.

Flat Display

The charging module is displayed directly on the right side of **Monitoring** interface.

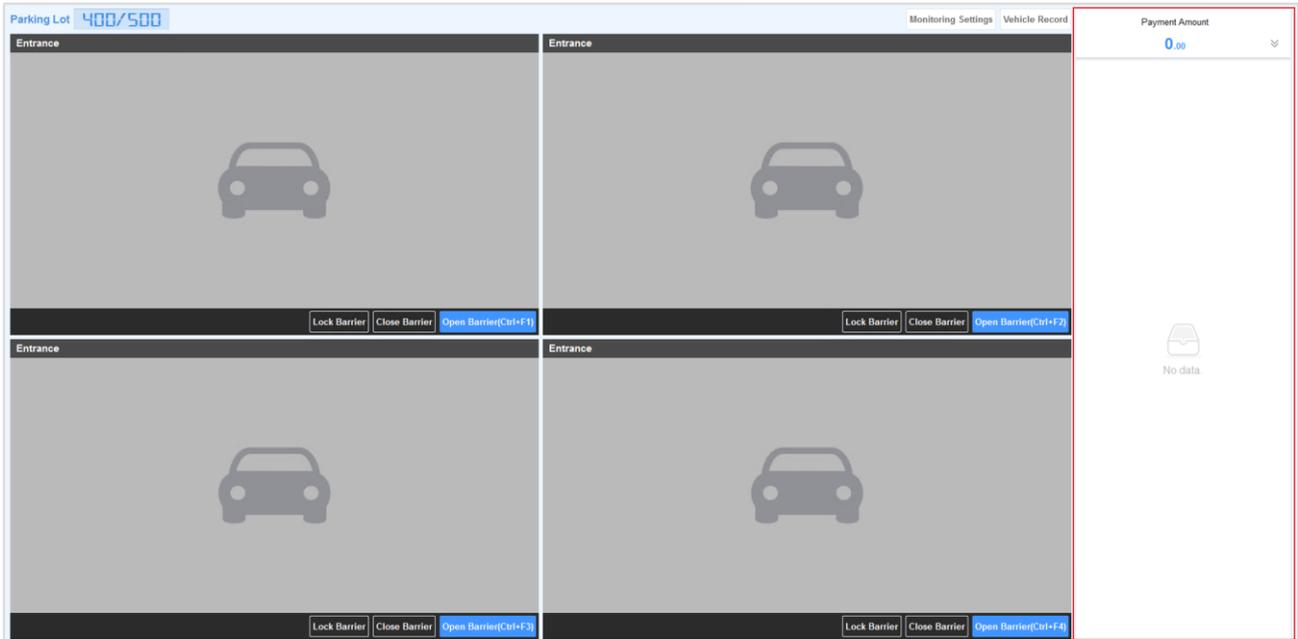


Figure 4-17 Flat Display

Floating Display

The charging module is floating on **Monitoring** interface. You can click <> to expand/hide the module.

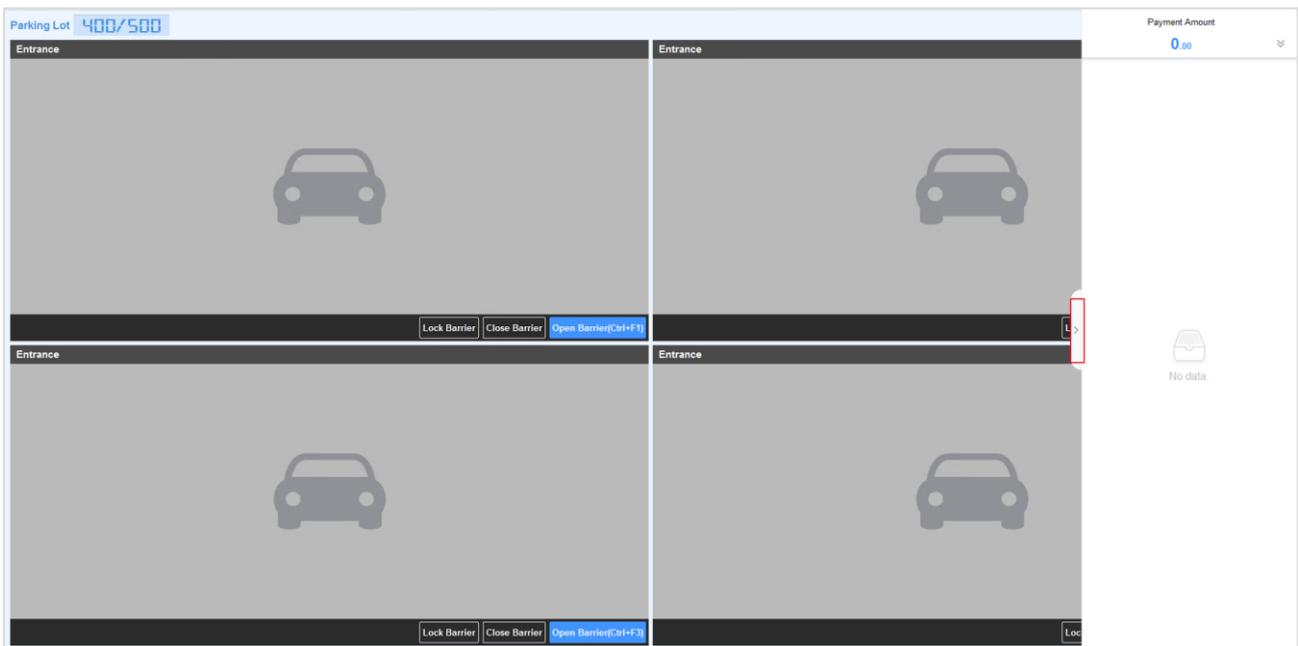


Figure 4-18 Floating Display

Hide

The charging module is not displayed on **Monitoring** interface.

4. Link the lanes respectively to the live view windows according to the actual needs.

5. Set the keyboard shortcuts for opening barrier gates for the lanes.

Result:

You can press the keyboard shortcuts to open the barrier gate quickly on **Monitoring** interface.

6. Click **Confirm**.

Result:

The live view of the linked lanes will be displayed on **Monitoring** interface.

What to Do Next:

Click **Next** to set the charging parameters.

4.3 Charging Settings

You can set different charging rules according to the scenes, bind different charging rules according to vehicle types. The charging rules can be used individually or in combination.

Steps:

1. Click **Next** in the configuration wizard to enter **Charging Settings** interface.
2. Click **Add**.
3. Select the charging template.
 - To configure based on the charging template, move the cursor over the blue charging example, and click **Select The Rule Template**.
 - To create a new charging template, move the cursor over the blue charging example, and click **Create A Blank Rule**.



Figure 4-19 Add Charging Rules

4. Configure the detailed charging rules. Refer to **Configure Charging Rule** for details.
5. Click **Done** to complete the basic settings.

Chapter 5 Configuration

5.1 Device Management

Add Device

Select one way to go to the **Add Device** tab.

- Go to **Configuration > Entrance and Exit Settings**, select the lane, and click **Add Device** in the **Lane Settings** tab.
- Go to **Configuration > Parking Lot Settings**, select the lane, and click **Add Device** in the **Lane Settings** tab.

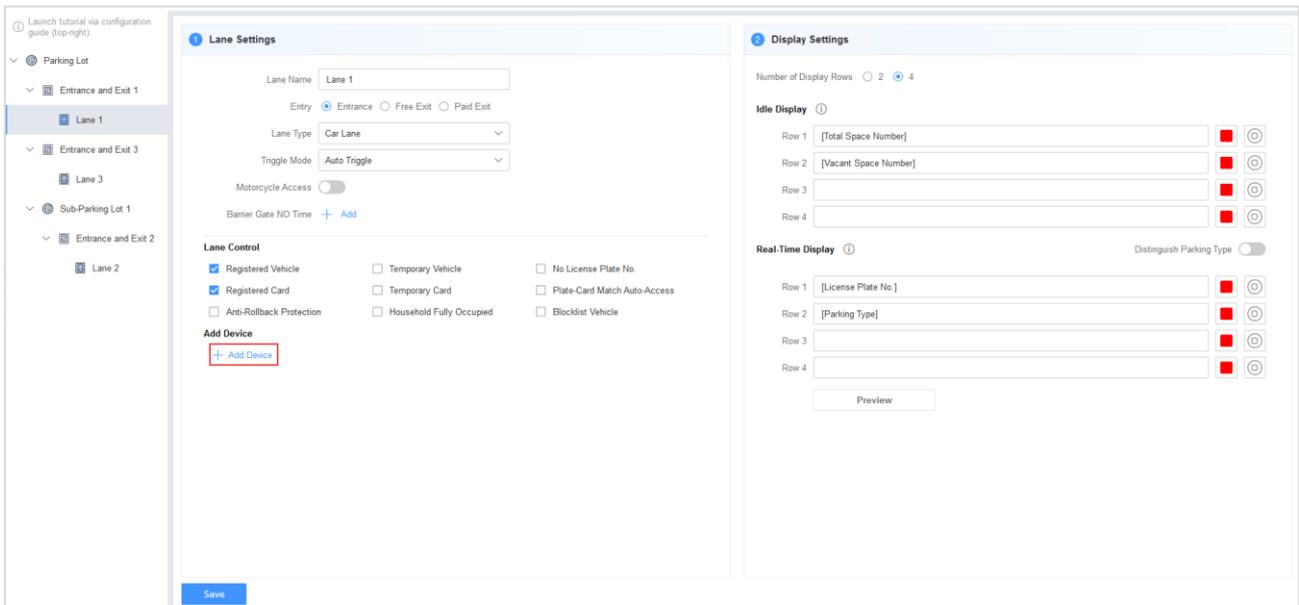


Figure 5-1 Entrance to Add Device

Edit/Delete/Test Device

After a device is added, the device information will be displayed on the interface. You can edit, delete, and test the device.

- Click **Edit** to edit the device information.
- Click **Delete** to delete the device.
- Click **Test** to test if the device connection is normal.

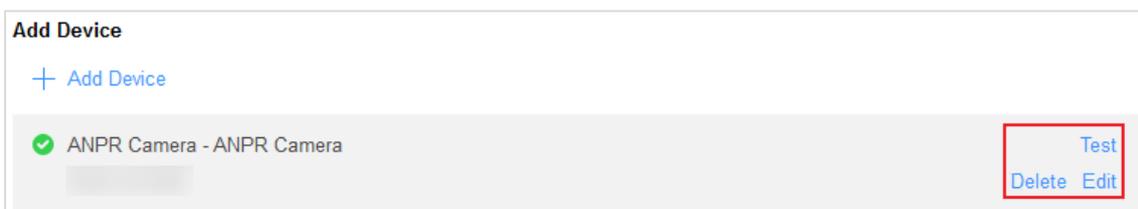


Figure 5-2 Device List

5.1.1 Add ANPR Camera

You can add ANPR cameras (ANPR camera, BlueGuardian, barrier gate, etc.) to realize license plate recognition and capture.

Steps:

1. Click **Add Device** in the **Add Device** tab.
2. Select **ANPR Camera**.

Figure 5-1 Add ANPR Camera

3. Enter basic information, including device name, IP address, password, etc.
4. (Optional) Click **Test** to test if the device is connected properly.
5. Select **Device Type** according to the type of the device display.
6. (Optional) If you select **Device Type** as **LED**, you can enable device custom settings and set corresponding parameters.
 - 1) Enable device custom settings.
 - 2) Set **Screen Dimension**.
 - 3) Click **Display Settings** to set the display contents for different vehicle types during idle and vehicle passing according to the actual scene.

Vehicle Passing Display

- Select the vehicle type, set **Front Color**, **Display Mode** and **Display Content**, and then click **Save**. When the specific vehicle type passes, the LED display will display the set contents.

Idle Display

- **Enable Fixed Information:** When checked, click the display content text field to select the desired display content, and set **Font Color**, **Parking Lot** and other parameters. The selected contents will be fixed to display.
- **Display No Vacancy Forcedly:** When checked, the display will show that the parking space is full regardless of the actual vacant

spaces.

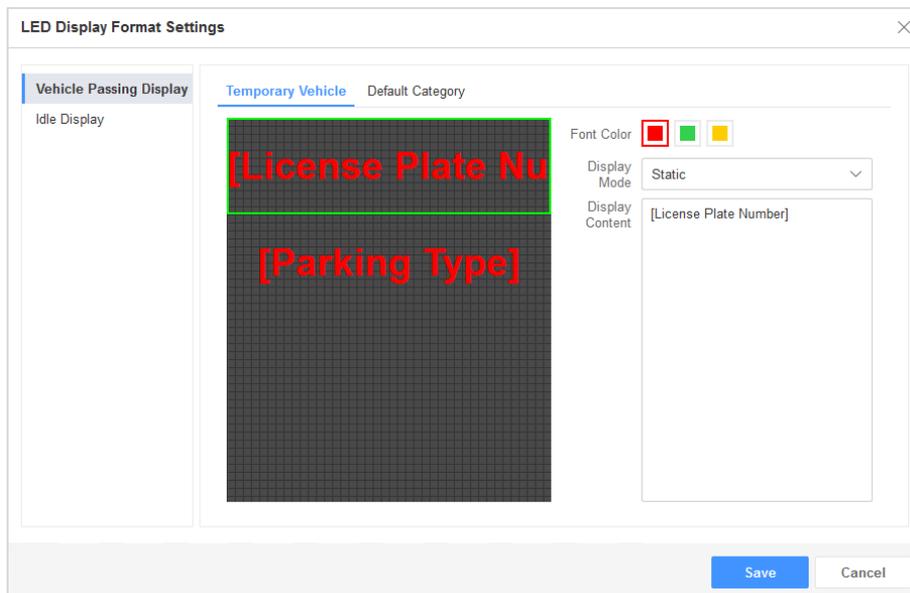


Figure 5-2 Display Settings

7. Click **Save and Add More** to save the settings and add more devices. Or click **Save** to save the current settings.

5.1.2 Add LED Display

You can add LED displays to show parking space information, prompt messages, and charging information.

Before You Start:

The related LED display parameters has been configured via the dedicated software, and communication with the terminal where the software is located is normal.

Steps:

1. Click **Add Device** in the **Add Device** tab.
2. Select **LED Display**.

Figure 5-3 Add LED Display

3. Enter **Device Name**.
4. Enter the LED display IP address and network port.
5. (Optional) Click **Test** to test if the device displays properly.
6. (Optional) You can enable device custom settings and set corresponding parameters.
 - 1) Enable device custom settings.
 - 2) Set **Screen Dimension**.
 - 3) Click **Display Settings** to set the display contents for different vehicle types during idle and vehicle passing according to the actual scene.

Vehicle Passing Display

- Select the vehicle type, set **Front Color**, **Display Mode** and **Display Content**, and then click **Save**. When the specific vehicle type passes, the LED display will display the set contents.

Idle Display

- **Enable Fixed Information:** When checked, click the display content text field to select the desired display content, and set **Font Color**, **Parking Lot** and other parameters. The selected contents will be fixed to display.
- **Display No Vacancy Forcedly:** When checked, the display will show that the parking space is full regardless of the actual vacant spaces.

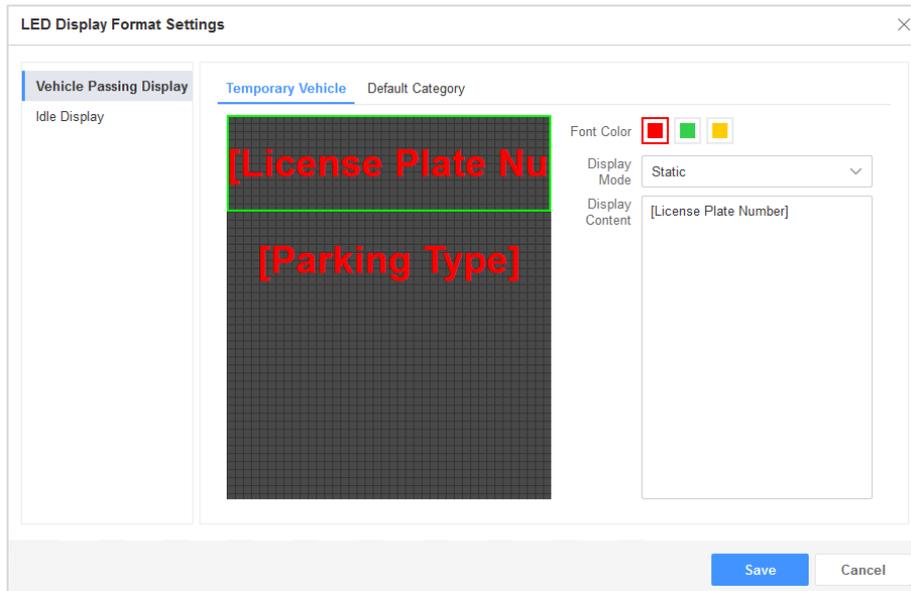


Figure 5-4 Display Settings

10. Click **Save and Add More** to save the settings and add more devices. Or click **Save** to save the current settings.

5.1.3 Add Entrance/Exit Station

You can add entrance/exit stations to realize vehicle entry and exit management, payment management, etc.

Steps:

1. Click **Add Device** in the **Add Device** tab.
2. Select **Entrance/Exit Station**.

Figure 5-5 Add Entrance/Exit Station

3. Enter **Device Name**.
4. Select **Device Model**.
5. Set the parameters including IP address, sync port, user name, and password.
6. (Optional) Click **Test** to test if the device is connected properly.
7. (Optional) If the device model supports connecting multiple card readers, you can choose the channel No. to bind the corresponding card reader.
8. Click **Save and Add More** to save the settings and add more devices. Or click **Save** to complete the current settings.

5.1.4 Add Video Intercom

You can add video intercom devices to realize two-way audio at entrance and exit.

Steps:

1. Click **Add Device** in the **Add Device** tab.
2. Select **Video Intercom**.

The screenshot shows a form titled "Basic Information" with the following fields and a button:

- * Device Name:
- * IP Address:
- * Data Port:
- * User Name:
- * Password:
- Test:

Figure 5-6 Add Video Intercom

3. Enter **Device Name**.
4. Set the parameters including IP address, data port, user name, and password.
5. (Optional) Click **Test** to test if the device is connected properly.
6. Click **Save and Add More** to save the settings and add more devices. Or click **Save** to complete the current settings.

5.1.5 Add Card Reader

You can add close range card readers for card reading and recognition at close range.

Steps:



NOTE
A terminal only allows one close range reader.

1. Click **Add Device** in the **Add Device** tab.

2. Select **Card Reader**.
3. Enter **Device Name**.
4. Select **Card Reader Type** as **Close Range Card Reader**.

The screenshot shows a web form titled 'Basic Information' and 'Device Information'. Under 'Basic Information', there are five fields: '* Device Name' (text input), '* Card Reader Type' (dropdown menu with 'Close Range Card Reader' selected and a 'Test' button), '* User Name' (text input with 'admin'), '* Password' (password input with six dots), and '* Issue Card' (checkbox checked and labeled 'Enable'). Below this is the 'Device Information' section, which is currently empty.

Figure 5-7 Add Close Range Card Reader

5. Enter the user name and password for the close range reader.
6. Enable **Issue Card**.
7. (Optional) Click **Test** to check if the device is connected properly.
8. Click **Save and Add More** to save the settings and add more devices. Or click **Save** to save the settings.

5.2 Charging Settings

5.2.1 Configure Charging Rule

Go to **Configuration > Charging Settings > Charging Rules** to configure the detailed charging rules.

Charge by Parking Frequency

It is applicable to the parking lots in which the parking fee is charged by parking frequency. For example, 4 are charged for small-sized vehicle each parking time, and 8 are charged for large-sized vehicle each parking time.

Steps:

1. Click **Add**, and select **Charge by Frequency** template.

Figure 5-8 Charge by Parking Frequency

2. Enter **Rule Name**.
3. (Optional) To apply the current charging rules to temporary vehicles, enable **Match Temporary Vehicle**, and select the applicable **Parking Lot** and **Temporary Vehicle Type**.

 **NOTE**

You can select the parking lot where the charging rule takes effect only when multiple parking lots exist.

4. (Optional) If free parking on holidays, enable **Free Parking on Holidays**, and set the required parameters.

Free Duration

Set the parking free duration. When the vehicles parking time does not exceed the free duration, the vehicles can exit freely.

The charging duration contains the free duration.

When vehicles parking time exceeds the free duration, you can choose to enable it to

count the free duration into the total charging duration.

 **NOTE**

The default Saturdays and Sundays are holidays. You can go to **Configuration > Entry and Exit Control > Special Release Settings > Holiday Settings** to set holidays. Refer to [Configure Special Release](#) for details.

5. Set **Unit Price of Fee**.

6. (Optional) Enable cycle-based billing, and set the related parameters.

1) Select the billing cycle type.

Natural Day

Vehicles are billed by natural days. You can set **Natural Day Cutoff Time** to demarcate different natural days. For example, if you set the time to 00:00, it will be the next natural day after 00:00.

Entry Duration

Vehicles are billed based on the parking duration after entry. You can set **Cutoff Duration**, and the set value will be counted as a cycle after vehicles entry. For example, if it is set to 24 hours, each 24-hour duration after entry is a billing cycle.

 **NOTE**

The free duration can be deducted and then the cycle is cut off only when the billing duration does not contain the free duration, **Entry Duration** is selected, and **Effective Once for All Cycles** is selected for **Mode of Free Duration**.

2) Select **Mode of Free Duration**.

Effective Once for All Cycles

The free parking time can only be used once.

Effective Once Per Cycle

The free parking time in each cycle is calculated separately.

3) (Optional) If you enable **Cycle-Based Billing**, you can set **Max. Fee for One Time**.

- If you disable **Max. Fee for One Time**, there is no max. charging limit during the cycle.
- If you enable **Max. Fee for One Time**, you can set the max. amount so that when the parking fees reach the max. amount in a cycle, no extra fees will be charged.

7. Click **Confirm**.

8. (Optional) Perform the following operations as needed.

Rule Verification On **Add Charge by Frequency** interface, click **Rule Verification** to verify the current charging rule.

Edit On **Charging Rule** interface, select the set rule, and click **Edit** to edit

the charging rule.

Delete

On **Charging Rule** interface, select the set rule(s), and click **Delete** to delete the charging rule(s).

Charge by Duration

It is applicable to the parking lots in which the parking fee is charged by unit time of parking duration. For example, if you parked for no more than 1 hour, 4 are charged for each hour. If you parked for more than 1 hour, 2 are charged for each half an hour.

Steps:

1. Click **Add**, and select **Charge by Duration** template.

Add Charge by Duration

Basic Settings

* Rule Name

Match Temporary Vehicle

Parking Lot

Temporary Vehicle Type

Charging Settings

Free Parking on Holidays

* Free Duration

The charging duration contains the free duration.

Tiered Rule

No.	Tier Value	Tiered Duration	Fee	Billing Threshold	Operation
1	120 Min.	0 - 120	2.00	0 Min.	<input type="button" value="🗑"/>
2	120 Min.	120 - 240	2.00	0 Min.	<input type="button" value="🗑"/>
3	240 Min.	240 - 480	2.00	0 Min.	<input type="button" value="🗑"/>

Last Tiered Cycle

Non-Cyclical Last Tier Process

Max. Fee For One Time

Cycle-Based Billing

Figure 5-9 Charge by Duration

2. Enter **Rule Name**.
3. (Optional) To apply the current charging rules to temporary vehicles, enable **Match Temporary Vehicle**, and select the applicable **Parking Lot** and **Temporary Vehicle Type**.

4. (Optional) If free parking on holidays, enable **Free Parking on Holidays**, and set the required parameters.

Free Duration

Set the parking free duration. When the vehicles parking time does not exceed the free duration, the vehicles can exit freely.

The charging duration contains the free duration.

When vehicles parking time exceeds the free duration, you can choose to enable it to count the free duration into the total charging duration.



NOTE

The default Saturdays and Sundays are holidays. You can go to **Configuration > Entry and Exit Control > Special Release Settings > Holiday Settings** to set holidays. Refer to [Configure Special Release](#) for details.

5. Set **Tiered Rule**.

- 1) Click **Add** to add a tier.
- 2) Set **Tier Value** and the corresponding parking fee.
- 3) Set **Billing Threshold**.

There is no charge if the parking duration of each tier does not exceed the set billing threshold.

6. (Optional) Set the last tiered cycle.

Last Tiered Cycle

When enabled, if the parking duration exceeds the set tier duration, the parking fees for the last tier will be charged circularly.

Non-Cyclical Last Tier Process

You can set how vehicles are charged for the last tier outside the charging tiers when **Last Tiered Cycle** is enabled.

- If you select **Follow By The Whole Tier Rules**, each cycle is charged from the first tier of the tiered rule when cycle-based billing is enabled.
- If you select **Follow By The Last Tier Rule**, only the first cycle is charged from the first tier, and other cycles will be charged circularly according to the last tier of the tiered rule.

7. (Optional) Enable cycle-based billing, and set the related parameters.

- 1) Select the billing cycle type.

Natural Day

Vehicles are billed by natural days. You can set **Natural Day Cutoff Time** to demarcate different natural days. For example, if you set the time to 00:00, it will be the next natural day after 00:00.

Entry Duration

Vehicles are billed based on the parking duration after entry. You can set **Cutoff Duration**, and the set value will be counted as a cycle after vehicles entry. For example, if it is set to 24 hours, each 24-hour duration after entry is a billing cycle.

 **NOTE**

The free duration can be deducted and then the cycle is cut off only when the billing duration does not contain the free duration, **Entry Duration** is selected, and **Effective Once for All Cycles** is selected for **Mode of Free Duration**.

2) (Optional) If you enable **Ignore Duration Over Cutoff Cycle**, the extra-charging duration from the last cycle will be passed to the next cycle. For example, the charging rule is 1 per hour without free duration, and the charging cycle is based on natural days at 00:00. If the parking time is from 23:30 to 00:30 the next day, when **Ignore Duration Over Cutoff Cycle** is enabled, the parking fee is 2 when the vehicle exits the parking lot (1 for 23:30 to 00:00, and 1 for 00:00 to 00:30). When disabled, the parking fee is 1 (1 for 23:30 to 00:30 the next day).

3) Select **Mode of Free Duration**.

Effective Once for All Cycles

The free parking time can only be used once.

Effective Once Per Cycle

The free parking time in each cycle is calculated separately.

4) (Optional) Set **Max. Fee**.

- If you disable **Max. Fee**, there is no max. charging limit during the cycle.
- If you enable **Max. Fee**, you can set the max. amount so that when the parking fees reach the max. amount in a cycle, no extra fees will be charged.

7. Click **Confirm**.

8. (Optional) Perform the following operations as needed.

Rule Verification	On Add Charge by Duration interface, click Rule Verification to verify the current charging rule.
Edit	On Charging Rule interface, select the set rule, and click Edit to edit the charging rule.
Delete	On Charging Rule interface, select the set rule(s), and click Delete to delete the charging rule(s).

Charge by Time Period

It is applicable to the parking lots in which the parking fee is charged by certain amount for each parking duration. For example, 5 are charged for the vehicles parking within 2 hours. 10 are charged for the vehicles parking for more than 2 hours but not more than 4 hours. 15 are charged

for the vehicles parking for more than 4 hours but not more than 8 hours.

Steps:

1. Click **Add**, and select **Charge by Time Period** template.

Add Charge by Time Period

Basic Settings

* Rule Name

Match Temporary Vehicle

Parking Lot

Temporary Vehicle Type

Charging Settings

Free Parking on Holidays

* Free Duration

The charging duration contains the free duration.

Tiered Rule

No.	Start Time	End Time	Charging Type	Fee	Operation
1	08:00	12:00	Charge b		<input type="button" value="edit"/> <input type="button" value="delete"/>
2	12:00	20:00	Charge b		<input type="button" value="edit"/> <input type="button" value="delete"/>
3	20:00	08:00	Charge b		<input type="button" value="edit"/> <input type="button" value="delete"/>

Non-Cyclical Last Tier Process

Max. Fee For One Time

Cycle-Based Billing

Enable

Figure 5-10 Charge by Time Period

2. Enter **Rule Name**.
3. (Optional) To apply the current charging rules to temporary vehicles, enable **Match Temporary Vehicle**, and select the applicable **Parking Lot** and **Temporary Vehicle Type**.
4. (Optional) If free parking on holidays, enable **Free Parking on Holidays**, and set the required parameters.

Free Duration

Set the parking free duration. When the vehicles parking time does not exceed the free duration, the vehicles can exit freely.

The charging duration contains the free duration.

When vehicles parking time exceeds the free duration, you can choose to enable it to count the free duration into the total charging duration.

 **NOTE**

The default Saturdays and Sundays are holidays. You can go to **Configuration > Entry and Exit Control > Special Release Settings > Holiday Settings** to set holidays. Refer to [Configure Special Release](#) for details.

5. Set **Tiered Rule**.

- 1) Click **Add** to add a tier.
- 2) Set **Start Time** and **End Time**.
- 3) Select **Charging Type**.

Charge by Frequency

Click  to set **Unit Price of Fee**.

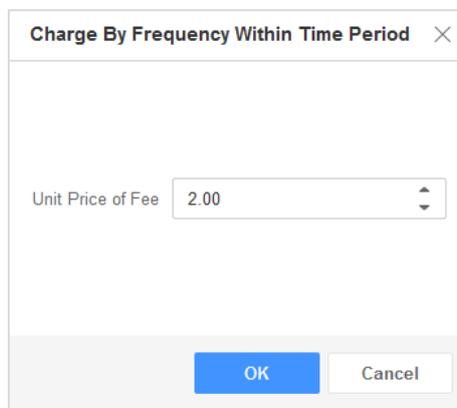


Figure 5-11 Charge by Frequency Within Time Period

Charge by Hour

Click  to set the parameters.

1. Click **Add** to add a sub-tier.
2. Set **Tier Value** and the corresponding parking fee.
3. Set **Billing Threshold**. There is no charge if the parking time of each tier does not exceed the set billing threshold.
4. (Optional) Enable **Last Tiered Cycle**. When enabled, if the parking duration exceeds the set tier duration, the parking fees for the last tier will be charged circularly.
5. (Optional) Enable **Capped Fee**, and set the capping amount.
6. Click **OK**.

No.	Tier Value	Tiered Duration	Fee	Billing Threshold
1	60 Min.	0 - 60	2.00	0 Min.

Last Tiered Cycle

Capped Fee 5.00

OK Cancel

Figure 5-12 Charge by Duration Within Time Period

6. Select **Non-Cyclical Last Tier Process**.



The function is only effective for charging by hour in the parking fee tier.

Follow By The Whole Tier Rules

Each cycle is charged from the first tier of the tiered rule when cycle-based billing is enabled.

Follow By The Last Tier Rule Per Cycle

Only the first cycle will use non-cyclical charging of the last tier.

7. (Optional) Enable **Max. Fee For One Time**, and set the amount. When enabled, the max. parking fee for any parking duration will not exceed the set amount.

8. (Optional) Enable cycle-based billing, and set the related parameters.

1) Select the billing cycle type.

Natural Day

Vehicles are billed by natural days. You can set **Natural Day Cutoff Time** to demarcate different natural days. For example, if you set the time to 00:00, it will be the next natural day after 00:00.

Entry Duration

Vehicles are billed based on the parking duration after entry. You can set **Cutoff Duration**, and the set value will be counted as a cycle after vehicles entry. For example, if it is set to 24 hours, each 24-hour duration after entry is a billing cycle.



NOTE

The free duration can be deducted and then the cycle is cut off only when the billing duration does not contain the free duration, **Entry Duration** is selected, and **Effective Once for All Cycles** is selected for **Mode of Free Duration**.

- 2) (Optional) If you enable **Ignore Duration Over Cutoff Cycle**, the extra-charging duration from the last cycle will be passed to the next cycle. For example, the charging rule is 1 per hour without free duration, and the charging cycle is based on natural days at 00:00. If the parking time is from 23:30 to 00:30 the next day, when **Ignore Duration Over Cutoff Cycle** is enabled, the parking fee is 2 when the vehicle exits the parking lot (1 for 23:30 to 00:00, and 1 for 00:00 to 00:30). When disabled, the parking fee is 1 (1 for 23:30 to 00:30 the next day).
- 3) Select **Mode of Free Duration**.

Effective Once for All Cycles

The free parking time can only be used once.

Effective Once Per Cycle

The free parking time in each cycle is calculated separately.

- 4) (Optional) Set **Max. Fee**.

- If you disable **Max. Fee**, there is no max. charging limit during the cycle.
- If you enable **Max. Fee**, you can set the max. amount so that when the parking fees reach the max. amount in a cycle, no extra fees will be charged.

9. Click **Confirm**.

10. (Optional) Perform the following operations as needed.

Rule Verification	On Add Charge by Time Period interface, click Rule Verification to verify the current charging rule.
Edit	On Charging Rule interface, select the set rule, and click Edit to edit the charging rule.
Delete	On Charging Rule interface, select the set rule(s), and click Delete to delete the charging rule(s).

Other Operations

Verify Charging Rule

When adding charging rules, you can click **Rule Verification** to verify the charging rule. Set **Start Time** and **End Time**, and click **Calculate**. The amount will be calculated automatically.

Rule Verification [X]

Start Time: 2025/07/02 00:00:00 [Calendar Icon]

End Time: 2025/07/03 00:00:00 [Calendar Icon]

Amount Sub Total: 14.00

Calculate

Figure 5-13 Rule Verification

Edit Charging Rule

On **Charging Rule** interface, select the rule, and click **Edit** to edit the charging rule.

Rule Name	Matched Temporary Vehicle or Not	Parking Lot	Temporary Vehicle Type	Charging Type	Clarification
<input type="checkbox"/> Free	No	--	--	Free	The default no charge rule cannot be deleted
<input type="checkbox"/> Charge by Frequency	Yes	All	All	Charge by Frequency	--
<input type="checkbox"/> Charge by Duration	Yes	All	All	Charge by Duration	--
<input type="checkbox"/> Charge by Time Period	Yes	All	All	Charge by Time Period	--

Figure 5-14 Edit/Delete/Import/Export Charging Rule

Delete Charging Rule

On **Charging Rule** interface, select the rule(s), and click **Delete** to delete the charging rule(s).

Export Charging Rule

On **Charging Rule** interface, click **Export**, and select the path to export the charging rule configuration file to the current computer for subsequent operation of importing the rule to the software on another computer.

Import Charging Rule

Save the charging rule configuration file exported from another computer to the current computer. Click **Import** on **Charging Rule** interface, select the path, and import it into the software on the current computer.

5.2.2 Configure Reduction Rule

You can configure reduction rules to realize the amount reduction for relevant vehicles.

Steps:

1. Go to **Configuration > Charging Settings > Reduction Rule**.
2. Click **Add**.

Figure 5-15 Add Reduction Rule

3. Set **Rule Name**, **Reduction Method**, and the corresponding reduction fee, reduction off, or reduction duration.
4. Set the reduction start time and end time.
5. Click **Confirm**.
6. (Optional) Perform the following operations as needed.

Edit Select the set reduction rule, and click **Edit** to edit the selected rule.

Delete Select the set reduction rule(s), and click **Delete** to delete the selected rule(s).

5.2.3 Configure Registered Vehicle Category

Configure registered vehicle category management to apply different charging rules to different categories.

Steps:

1. Go to **Configuration > Charging Settings > Registered Vehicle Category Management**.
2. Click **Add**.

Figure 5-16 Add Registered Vehicle Category

3. Enter **Name**.
4. Select the parking lot, and select **Valid Vehicle Rule** and **Expiry Vehicle Rule**.

 **NOTE**

- Valid vehicle rules apply to registered vehicles within validity period.
- Expiry vehicle rules apply to registered vehicles that have expired, or vehicles under one account entering as temporary vehicles after the parking spaces are full.
- It is recommended to set expiry vehicle rules in order to prevent vehicles from being unable to match the charging rules due to expiration.

5. (Optional) Enter remarks.
7. Click **Confirm**.
8. (Optional) Perform the following operations as needed.

Edit Select the added category, and click **Edit** to edit the category.

Delete Select the added category, and click **Delete** to delete the category.

What to Do Next:

Go to **Authorization > Registered Vehicle Management**. You can select the corresponding vehicle

category when adding registered vehicles.

5.2.4 Configure Registered Vehicle Rent Rule

You can configure registered vehicle rent rules. Vehicles within the validity period can be automatically allowed through license plate recognition, and have no limit on the number of entries and exits. It is applicable to charging management for registered vehicles.

Steps:

1. Go to **Configuration > Charging Settings > Registered Vehicle Rent Rule**.
2. Click **Add**.
3. Enter **Name** and **Fee**.
4. Select **Rule Type**.

Full-Time

Registered vehicles are allowed to enter or exit within the set rental duration.

Figure 5-17 Full-Time

Rental Hour

Within the set **Rental Duration**, vehicles are charged according to the set registered vehicle charging rules for the set **Threshold** in parking **Unit** (natural day/natural month/natural year), and other hours are charged according to the rent rules. For example, if the rental duration is 1 month, the unit is by day, and the threshold is 4 hours, the vehicle will be charged according to the registered vehicle charging rules set from **Configuration > Charging Settings > Registered Vehicle Category Management** during the first 4 hours of

each natural day within the one-month validity period.

Figure 5-18 Rental Hour

 **NOTE**

Registered vehicles that have used rent rule are not applicable to multiple vehicles under one account. And multiple vehicles under one account cannot use rent rule when renewing.

5. (Optional) Enter remarks.
6. Click **Confirm**.
7. (Optional) Perform the following operations as needed.

Edit Select the added rent rule, and click **Edit** to edit the rule.

Delete Select the added rent rule(s), and click **Delete** to delete the rule(s).

5.2.5 Configure Exceptional Vehicle Rule

You can configure exceptional vehicle rules for charging parking fees under special circumstances (e.g., vehicle without entry records on site).

Steps:

1. Go to **Configuration > Charging Settings > Exceptional Vehicle Rule**.

2. Click **Add**.

Figure 5-19 Add Exceptional Vehicle Rule

3. Set the parameters including **Rule Name**, **Total Fee**, **Start Time**, **End Time**, and **Vehicle Type**.
4. (Optional) To set it as the default rule, check **Set as Default**.
5. Click **Confirm**.
6. (Optional) Perform the following operations as needed.

Edit Select the rule, and click **Edit** to edit the rule.

Delete Select the rule(s), and click **Delete** to delete the selected rule(s).

What to Do Next:

When vehicles cannot be automatically pass when exiting, you can allow vehicles to pass manually on **Monitoring** interface according to the set exceptional vehicle rules.

5.3 Entry and Exit Control

5.3.1 Configure Passing Period

Configure passing time for entrance and free-exit lanes to realize vehicle auto pass within the set time.

Before You Start:

Set the charging rules. Refer to [Configure Charging Rule](#) for details.

Steps:

1. Go to **Configuration > Entry and Exit Control > Pass by Time Period**.

The interface displays the table about passing periods for different vehicle types and different lanes, you can locate the cell for configuration.

Auto Passing Periods for Different Vehicles (supplement to basic lane passing rule)			
	Lane 1	Lane 2	Lane 3
▼ Temporary Vehicle			
Motorcycle	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule
Car	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule
▼ Registered Vehicle			
Default Category	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule
Category 1	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule	Unconfigured By Lane Control Rule

Figure 5-20 Pass by Time Period

2. Click the desired cell, and set the passing period.

Period Settings ✕

Enable (Follow by lane control rule when disabled)

Release Mode on Holidays: Not Special Process Holidays highest priority

Mon.
 Tue.
 Wed.
 Thu.
 Fri.
 Sat.
 Sun.

All Day
 Customize

Period 1
 00:00:00 - 00:00:00
 Period 2
 00:00:00 - 00:00:00
 Period 3
 00:00:00 - 00:00:00
 Period 4
 00:00:00 - 00:00:00

Copy to Week Select All

Mon.
 Tue.
 Wed.
 Thu.
 Fri.
 Sat.
 Sun.

Figure 5-21 Set Passing Period

3. Check **Enable**.

4. Select **Release Mode on Holidays**.

 **NOTE**

Holiday passing modes are prioritized over weeks.

5. Select a day and set the parameters.

- 1) Set the passing periods. If you select **All Day**, the vehicles can pass all the day. If you select **Customize**, select the period(s) and set the start time and end time of each period. Then the vehicles can pass only at the set period(s) on the day.
- 2) (Optional) To apply the same parameters to other days, you can select the day(s) or check **Select All**, and click **Copy**.
- 3) Click **Confirm**.

6. Click **Save and Apply**.

5.3.2 Configure Special Release

Configure entry and exit control, and allow privileged vehicles passing for free.

Steps:

1. Go to **Configuration > Entry and Exit Control > Special Release Settings**.

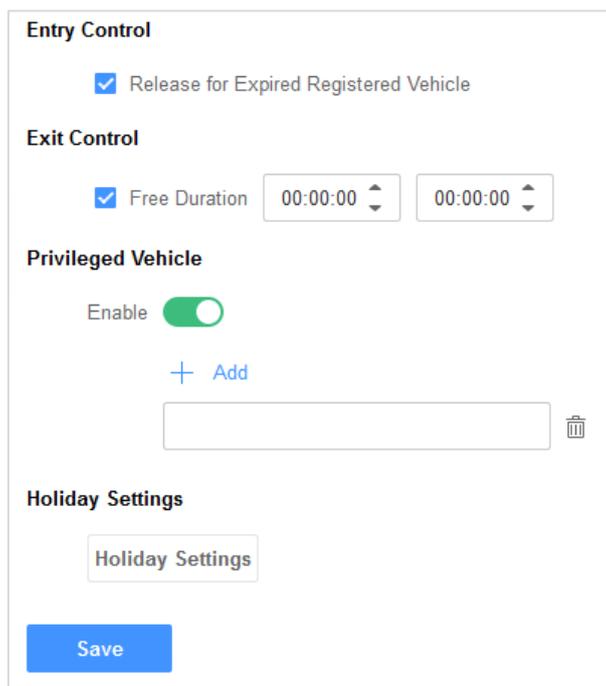


Figure 5-22 Configure Special Release

2. Set the parameters.

Entry Control

Release for Expired Registered Vehicle

When enabled, the expired registered vehicles are allowed to enter.

Exit Control

Enable **Free Duration** and set the time period. All the vehicles can pass freely during the set time period.

Privileged Vehicle

Enable it to allow privileged vehicles pass freely. Click **Add** to add the license plate numbers of privileged vehicles.

Holiday Settings

Click **Holiday Settings**. Double click the date to set the date as a workday or holiday. If **On Duty** appears, it is set as a workday. If **Off Duty** appears, it is set as a holiday.

3. Click **Save**.

5.4 User Management

To improve system security, administrators can create dedicated accounts for different users and assign permissions to avoid sharing the same account among different persons.

Steps:

1. Go to **Configuration > User Management**.
2. Add users.
 - 1) Click **User Management**.
 - 2) Click **Add**.
 - 3) Enter the user name and password, and confirm the password.



STRONG PASSWORD RECOMMENDED—We highly recommend that 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. We also recommend that you reset your password regularly. Especially in the high security systems, resetting the password monthly or weekly can better protect your product.

- 4) Enable the user.
 - 5) Select the role.
 - 6) Click **Save**.
3. To refine the permissions, you can add roles and configure permissions.



Only common user permissions can be configured and modified. Super administrator and administrator permissions are fixed and cannot be modified.

- 1) Click **Role Management**.
- 2) Click **Add**.
- 3) Enter **Role Name**, and select the basic permissions.

4) Click **Save**.

4. (Optional) You can perform other operations as needed.

Edit

- Select the user, and click **Edit** to edit the user.



NOTE

- You can disable users.
- You can only change passwords for the super administrator.
- Select the role, and click **Edit** to edit the role.

Delete

Select the user/role, and click **Delete** to delete the user/role.



NOTE

Super administrator role and administrator role cannot be deleted. Super administrator cannot be deleted.

5.5 System Settings

5.5.1 Configure System Parameters

Configure Scheduled Restart

Configure terminal device or software to restart at a fixed time.

Steps:

1. Go to **Configuration > System Settings > System Parameters Settings > Basic Settings**.
2. Enable **Scheduled Restart**.
3. Select **Terminal Device** or **Software**.
4. Set the restart date and time.
5. Click **Save**.

Result:

The terminal device or software will restart automatically at the set time.

Configure Auto Startup

The software can start up automatically at boot.

Steps:

1. Go to **Configuration > System Settings > System Parameters Settings > Basic Settings**.
2. Enable **Auto-Start at Boot**.
3. Click **Save**.

Result:

When the device is powered on, the software will run automatically.

Configure Printing Parameters

You can connect a printer to print tickets.

Before You Start:

A printer has been connected to the computer installed with the software.

Steps:

1. Go to **Configuration > System Settings > System Parameters Settings > Basic Settings**.
2. Enable **Print Receipt**, and set the pieces of copies to print.
3. Set the information to be printed on the ticket.
4. Click **Save**.

Result:

The printer will issue tickets automatically after the fee is calculated.

Configuration Storage

The software supports unified management of storage paths and storage time of pictures, operation logs, etc. by the main terminal.

Steps:

1. Go to **Configuration > System Settings > System Parameters Settings > Storage Settings**.
2. Set the storage parameters.

Operation Logs

Set the longest saving time of the software operations (e.g., login, logout, etc.).

Vehicle and Payment Records

Set the longest saving time of data (including data of passing vehicle, pedestrians, duty shift, and parking fee).

Save Picture

Set the longest saving time of pictures.

Picture Saving Path

Click **Browse** to set the picture saving path.



NOTE

- The records of vehicles not exiting will not be cleared due to exceeding the storage time.
 - Data and pictures will be overwritten after the set time is exceeded. 0 means no overwriting, and the storage will stop automatically after the storage is full.
-

3. Click **Save**.

Configure Local IP Address

Configure the IP address when the software needs to communicate with other devices over the network.

Steps:

1. Go to **Configuration > System Settings > System Parameters Settings > Others**.
2. Enter the IP address of the software running environment (e.g., the terminal).
3. Click **Save**.

5.5.2 Configure Parking Parameters

Configure Vehicle Parameters

Configure vehicle parameters to realize vehicle auto management.

Steps:

1. Go to **Configuration > System Settings > Parking Parameters Settings > Vehicle Settings**.
2. Set the vehicle parameters according to the actual needs.

Registered vehicle Matching Rule

Set the matching rule to distinguish registered vehicles. **Match Whole Characters**, and **Match With Only One Character Difference** are available.

Early Expiry Warning

Set early warning time for expiry of registered vehicles.

Forbid Unprocessed Vehicle After X seconds

When enabled, the vehicle will be forbidden to pass automatically when it is not processed within the set time.

3. Click **Save**.

Configure Filter Mode

Configure filter mode to avoid uploading repeated vehicle passing information.

Steps:

1. Go to **Configuration > System Settings > Parking Parameters Settings**.

Multi-Camera Sync. Recognition
 Enable
 Interval Time: 500ms

Repeat License Plate No. Filter
 Enable
 Filter Lane: Lane 1;Lane 2;Lane 3; ▾
 Filter Type: Match Whole Characters ▾
 Interval Time: 60s

Repeat Card No. Filter
 Filter by Direction
 Interval Time: 3s

Figure 5-23 Configure Filter Mode

2. Configure the filtering mode.

Multi-Camera Sync. Recognition

When enabled, it can output recognition results with higher accuracy rate. For example, only one item of data with the highest accuracy rate will be uploaded within the set **Interval Time**. When disabled, all the data will be uploaded at the same time. This option is invalid for the controller.

Repeat License Plate No. Filter

When enabled, the license plates matching the set **Filter Type** on the set **Filter Lane** will be filtered during the set **Interval Time**.

Repeat Card No. Filter

Enable **Filter by Direction**, and the repeated card swiping information according to the entry or exit direction will be filtered automatically during the set **Interval Time**.

3. Click **Save**.

5.5.3 Back up Database

The software supports backup and database restoration to improve data security.

Steps:

1. Go to **Configuration > System Settings > Database Backup**.

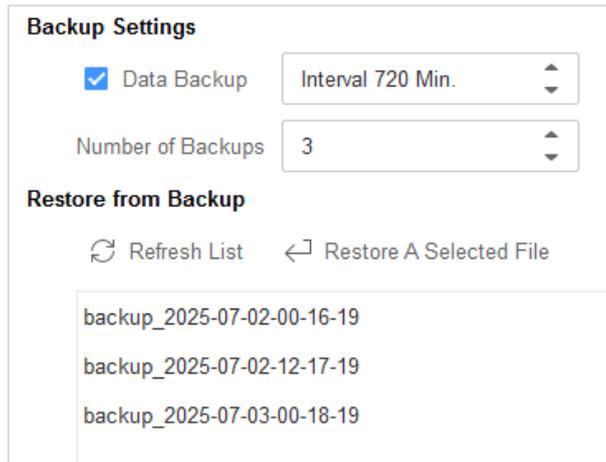


Figure 5-24 Backup Database

2. Enable **Data Backup**, and set the backup interval.
Data such as arming list and parking charging will be backed up automatically at the set interval.
3. Set **Number of Backups**.
4. (Optional) Select the backup data in the backup list, and click **Restore A Selected File**.
Parameters such as software configurations, lists, etc. are restored to the backed up version of the data.
5. Click **Save**.

5.5.4 View Device Hardware Information

Go to **Configuration > System Settings > Hardware Information** to view the MAC address, device model, and details.

5.6 Cascading Settings

You can switch main terminal and sub-terminals which form a cascade management system.

Before You Start:

When using remote database, the communication between the software and remote database should be normal.

Steps:

1. Go to **Configuration > Cascading Settings**.

Cascading Settings

Current Terminal Type Main Terminal Sub-Terminal

Main Terminal IP Address

Current Time zone

Cascading Topology

Main Terminal	Sub-Terminal
<div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;"> <div style="background-color: #007bff; color: white; padding: 2px 5px; display: inline-block;">Current Terminal</div> </div> <p style="text-align: center; margin: 5px 0;"> ● IP <input type="text"/> </p> <p style="margin: 5px 0;">Login Account admin</p> <p style="margin: 5px 0;">Operation Duration 8d 22h 45m</p> <p style="margin: 5px 0;">Device Information <input type="text"/></p> <p style="margin: 5px 0;">Latest Active Time 2025-07-03 10:45:47</p> <hr style="border: 0.5px solid gray;"/> <p style="margin: 5px 0;"> ← Entrance 3 → Exit 0 </p>	

Figure 5-25 Cascading Settings

2. Select **Current Terminal Type**.
3. (Optional) If this terminal type is a sub-terminal, set the main terminal IP address.
4. Click **Save**.
5. (Optional) Click **Test** to test if the database is connected properly.
6. View the cascading structure. You can check the number of cascading terminals, IP address, login account, operation duration (the time the software has been running on this terminal), model, etc. Green IP indicates that the terminal has been cascaded. Red IP indicates that the HTTP service of this terminal is not available, which affects the main and sub-terminal communication when cascading. And you need to check if the local IP address of this terminal is correctly configured. Gray IP means that it was cascaded before, but is not cascaded at present.

Chapter 6 Authorization

6.1 Registered Vehicle Management

6.1.1 Add Registered Vehicle

Add registered vehicles to allow them to pass in batch.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Click **Add**.

Add Registered Vehicle

Basic Information

- * Rent Rule: Not Specified
- * Start Time: 2025/07/23 00:00:00
- * Expiry Time: 2025/08/22 23:59:59
- Registration Time: 2025/07/23 11:31:52
- Issued By: admin

Vehicle Information

- * License Plate No.: Enter license plate No.
- * Vehicle Type: Motorcycle
- Multiple Vehicles per Household: None
- * Registered Vehicle Category: Default Category

Card Information

- Continuous Card Issuance: Enable
- * Card No.: [] Issue Card
- Card Status: Normal
- Card Dispenser Mode: UHF Card Dispenser
- * Card Type: Registered Card

Vehicle Owner Information

- Vehicle Owner Name: []
- Address: []
- Phone Number: []
- Remark: []

Parking Lot Permission All

- Parking Lot
- Sub-Parking Lot 1

Save Save and Add Again Cancel

Figure 6-1 Add Registered Vehicle

3. Set the basic information.
 - 1) Select **Rent Rule**.



NOTE

If **Not Specified** is selected, vehicles will be charged as registered vehicles during the set start time and the time.

2) (Optional) If you select a rent rule, you can set **Top-up Multiple**.

4. Set the vehicle information.



NOTE

Configure the vehicle category first before you select **Registered Vehicle Category**. For details, refer to **Configure Registered Vehicle Category**.

5. Set the card information.

1) (Optional) Enable **Continuous Card Issuance**, check the requirements to enable the function and click **Yes**.



NOTE

To enable continuous card issuance mode, a UHF card dispenser is required, the card should be a registered card, and the corresponding parking lot permissions have been set.

2) Set the parameters including **Card Dispenser Mode**, **Card Type**, and **Card Status**.

3) (Optional) If you select **Card Dispenser Mode** as **UHF Card Dispenser**, click  to set the UHF card parameters.

- a) Select **Read/Write Mode**.
- b) Select **Card Number Offset** and set the byte.
- c) Select **Zero Padding Mode**.
- d) (Optional) Enable encryption and set the UHF card encryption password.
- e) Click **Confirm**.

Results:

- Non-encrypted reading: It will read two double bytes according to the set **Card Number Offset**, and transfer to decimal system. If the bits after transformation are less than 10 bits, it will pad zero according to the set **Zero Padding Mode**.
- Non-encrypted writing: It will write two double bytes according to the set **Card Number Offset**.
- Encrypted reading: It will read two double bytes in encryption and transfer to decimal system.
- Encrypted writing: It will write two double bytes in encryption.

Figure 6-2 UHF Card Issue Mode Configuration

 **NOTE**

- Before writing card, check if there is authentication code for the card number. If not, set the authentication code and then write the card number.
- The set encryption password cannot be changed.
- Enter the last password to reset the database. Otherwise, the issued cards will be invalid.
- Remember the set encryption password.

4) Click **Issue Card** to get the card No. information.

 **NOTE**

This function is mainly for vehicles that cannot be recognized by license plates (e.g., motorcycles), and the function varies with different models.

6. Set the vehicle owner information.
7. Select the parking lot permissions.
8. Click **Save and Add Again** to save the settings and add more. Or click **Save** to save the current settings.

Result:

The added vehicle information will be displayed on **Registered Vehicle Management** interface. Select an item to view the information on the right side.

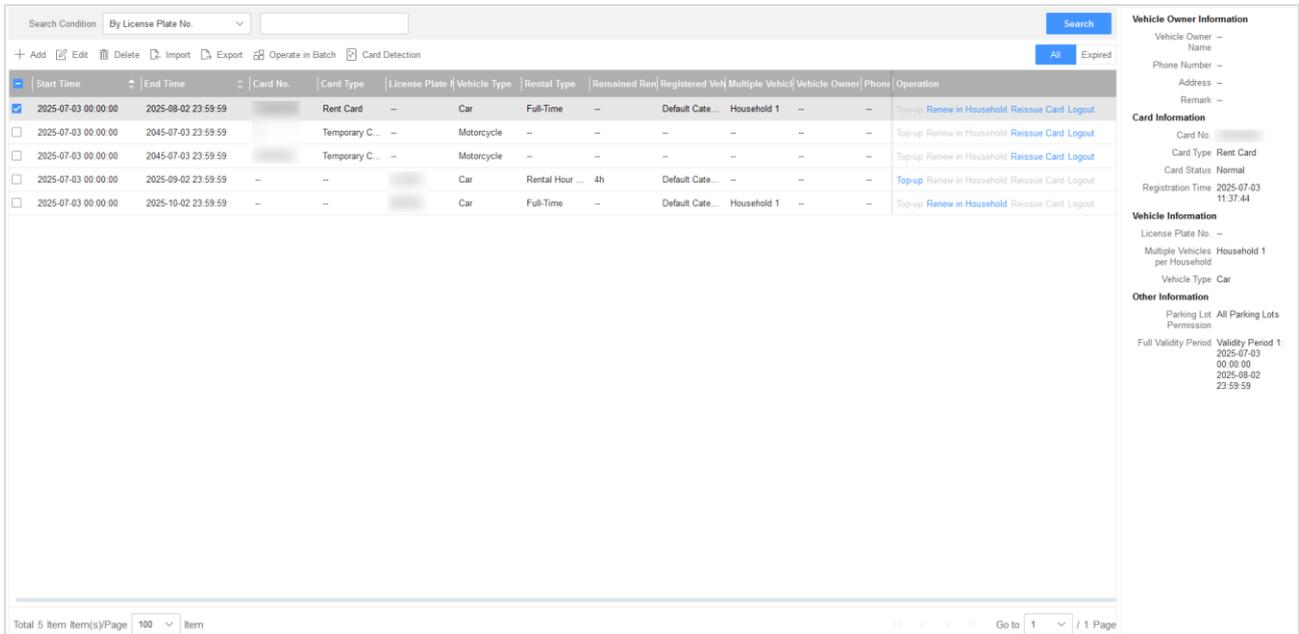


Figure 6-3 Registered Vehicle Management

6.1.2 Detect Card

You can detect the card issuance status.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Select the card to be detected.
3. Click **Card Detection**.

Result:

If the card is not issued, a pop-up window will indicate that it has not been issued. If issued, the pop-up window will display the card information, and you can also click it to edit the card information.

6.1.3 Top up Vehicle

You can top up the added vehicle.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Select the added vehicle.
3. Click **Top-up** in **Operation** column.

Figure 6-4 Renew Registered Vehicle

Registered Card

When the added vehicle is bound with a registered card, you can set the rent rule and the amount to top up according to the actual needs.

Temporary/Rent Card

When the added vehicle is bound with a temporary or rent card, you can enter the amount to top up according to the actual needs.

4. Click **Top-up**.

6.1.4 Renew in Household

You can renew the registered vehicles in one household in batch.

Before You Start:

The household for multiple vehicles has been added, and the registered vehicles have been added into the household. For details, refer to **Multiple Vehicles per Household**.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Click **Renew in Household** in **Operation** column.

Figure 6-5 Renew in Household

3. Set the top-up information according to the actual needs.
4. Click **Top-up**.

Result:

All the vehicles in the household will be renewed according to the set rules.

6.1.5 Search Vehicle

You can search the vehicle information.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Select the search condition.
3. Enter the search information.
4. Click **Search**.
5. (Optional) To view the expired vehicle information, click **Expired** at the top right above the list.

Result:

The corresponding vehicle information will be displayed in the list.

6.1.6 Export Vehicle Information

You can export vehicle information to the computer for backup management.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Select the vehicles to be exported.

3. Click **Export**.
4. Select the local saving directory, and click **Save**.

6.1.7 Import Vehicle Information

You can import vehicle information in batch.

Steps:

1. Follow the steps in **Export Vehicle Information** to export the excel file.
2. Fill in and save the file.



NOTE

The license plate No., card No., card type, start time, end time, registered vehicle category, vehicle owner name, and phone number are required.

3. Go to **Authorization > Registered Vehicle Management**.
4. Click **Import**.
5. Select the file and import it.

Result:

The imported vehicle information will be displayed in the list.

6.1.8 Other Operations

You can edit or operate the vehicle information in batch.

Before You Start:

Vehicles have been added.

Steps:

1. Go to **Authorization > Registered Vehicle Management**.
2. Perform the following operations as needed.

Edit	Select the added vehicle, and click Edit to edit the information.
Operate in Batch	Select multiple vehicles, and click Operate in Batch to renew, edit registered vehicle category, and edit parking lot permissions in batch.
Delete	Select the added vehicle(s), and click Delete .
Reissue Card	Select the added vehicle(s), and click Reissue Card .
Logout	Select the added vehicle(s), and click Logout .

6.2 Blocklist Management

The added vehicles on **Blocklist Management** interface are forbidden to pass for the certain time. The system will alert the administrator when the license plates in blocklist are detected.

6.2.1 Add Blocklist Vehicle

You can add blocklist vehicles.

Steps:

1. Go to **Authorization > Blocklist Management**.
2. Click **Add**.

The screenshot shows a modal window titled "Add Arming Information" with a close button (X) in the top right corner. The form contains the following fields:

- * License Plate No.**: A text input field.
- Start Time**: A date picker showing "2025-07-03".
- End Time**: A date picker showing "2025-08-03".
- Arming Status**: A dropdown menu currently set to "Enable".
- Contact Person**: A text input field.
- Contact Number**: A text input field.
- Arming Reason**: A text input field.

At the bottom right of the dialog, there are two buttons: a blue "Save" button and a white "Cancel" button.

Figure 6-6 Add Blocklist Vehicle

3. Enter **License Plate No.**, **Start Time**, and **End Time**.
4. Set **Arming Status** as **Enable**.
5. Click **Save**.
6. (Optional) Select the added blocklist vehicle, click **Edit/Delete** to edit/delete the vehicle.

6.2.2 Search Blocklist Vehicle

You can search the blocklist vehicle information.

Steps:

1. Go to **Authorization > Blocklist Management**.
2. Set the search conditions.
3. Click **Search**.

Result:

The corresponding blocklist vehicles will be displayed in the list.

6.2.3 Export Blocklist Vehicle

You can export blocklist vehicles information to the computer.

Steps:

1. Go to **Authorization > Blocklist Management**.
2. Select the blocklist vehicles to be exported.
3. Click **Export**.
4. Select the local saving directory, and click **Save**.

6.2.4 Import Blocklist Vehicle

You can import arming vehicle information in batch.

Steps:

1. Follow the steps in **Export Blocklist Vehicle** to export the excel file.
2. Fill in and save the file.



NOTE

The start time, end time, and status are required items.

3. Go to **Authorization > Blocklist Management**.
4. Click **Import**.
5. Select the file and import it.

Result:

The imported blocklist vehicle information will be displayed in the list.

6.3 Multiple Vehicles per Household

6.3.1 Add Household

Add households before adding multiple vehicles into the households to realize easy management, charging and renewal for vehicles in the same household.

Steps:

1. Go to **Authorization > Multiple Vehicles per Household**.
2. Click **+** on the left side to add a household.

Add Household [Close]

* Name

* Parking Space Numbers

Parking Lot Permission All

- Parking Lot
- Sub-Parking Lot 1

Figure 6-7 Add Household

3. Enter **Name**.
4. Select **Parking Space Numbers**.
5. Select **Parking Lot Permission**.
6. Click **Save**.
7. (Optional) Perform the following operations as needed on the left-side household list.
 - Enter the household name in the text field, and click to search.
 - Select the added household(s), and click to delete the household(s).
 - Select the added household(s), and click to renew or edit parking lot permissions in batch.

The 'Operate in Batch' dialog box has a title bar with a close button. It features two tabs: 'Renew' (selected) and 'Edit Parking Lot Permission'. The 'Renew' tab contains the following fields:

- Rental Type: Rent Rule 2 (dropdown)
- Unit Fee: 500.00 (text input)
- Rental Duration: 3 Month(s) (text input)
- Start Time: 2025/07/03 00:00:00 (calendar icon)
- Total Fee: 1000.00 (text input)

Below the fields, it states '1 household(s) can be renewed.' An 'Instruction' section provides the 'Renewal Fee Formula: Total Fee = Unit Fee × Sum of Space Numbers in Each Household'. At the bottom, there are 'Confirm' and 'Cancel' buttons.

Figure 6-8 Batch Operation

8. (Optional) Select the added group and click **Edit** in the right interface to edit the group information.

The main interface shows a list of households under the heading 'Household (2)'. A search bar is present. Two households are listed: 'Household 1 (No information)' (checked) and 'Household 2 (No information)' (unchecked). On the right, a table header for 'Household 1' shows 'Parking Space Numbers 2' and 'Parking Lot Permission All Parking Lots'. An 'Edit' button is highlighted with a red box and a red arrow pointing to the 'Edit Household' dialog box. The dialog box contains:

- Name: Household 1
- Parking Space Numbers: 2
- Parking Lot Permission: All (checked)
- Permissions: Parking Lot (checked), Sub-Parking Lot 1 (checked)
- Buttons: Save, Cancel

Figure 6-9 Edit Household Information

6.3.2 Add Multiple Registered Vehicles into One Household

Add multiple registered vehicles into one household.

Before You Start:

The household has been added. Refer to **Add Household** for details.

Steps:

1. Go to **Authorization > Multiple Vehicles per Household**.
2. Select the added household, and click **Add** on the right side.
 - Select **Create New** to add new registered vehicles. Refer to **Add Registered Vehicle** for details.
 - Select **Existing List**. You can search and select the registered vehicle(s) to be added from the list, and click **Add**.

The screenshot shows a dialog box titled "Add Registered Vehicle". At the top, there are two radio buttons: "Create New" (unselected) and "Existing List" (selected). Below this, there are search filters: "Multiple Vehicles per Household" (a dropdown menu set to "All"), "Card No./License Plate No." (a text input field), "Phone Number" (a text input field), and "Vehicle Owner Name" (a text input field). There are "Search" and "Reset" buttons to the right of the input fields. Below the search filters is a table with the following columns: a checkbox, "Card No.", "License Plate", "Multiple Vehic", "Vehicle Owner", and "Phone Number". The table contains two rows, each with a checked checkbox and dashes in the other columns. At the bottom of the dialog, there is a pagination bar showing "Total 2 Item Item(s)/Page 100 Item" and "Go to 1 / 1 Page". There are "Add" and "Cancel" buttons at the bottom right.

Figure 6-10 Add Registered Vehicles into One Household

3. The added registered vehicle(s) will be displayed in the list, and you can select one and view its specific information on the right side.

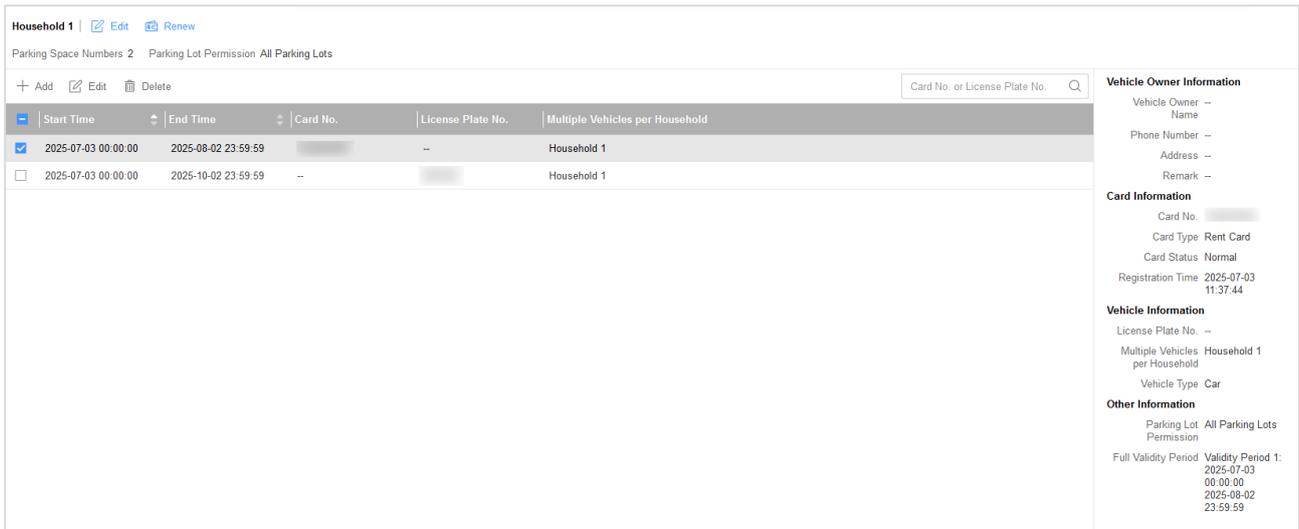


Figure 6-11 Multiple Vehicles per Household List

4. (Optional) Perform the following operations as needed.

Search Vehicle

Enter the card No. or license plate No. in the search text field and click  to search the vehicle information.

Edit Registered Vehicle

Select the added registered vehicle, and click **Edit** at the top of the list to edit the registered vehicle information.

Delete Registered Vehicle

Select the added registered vehicle(s), click **Delete**, and click **Delete Registered Vehicle** in the pop-up window to delete the vehicle(s) from the system.

Remove Vehicle from Household

Select the added registered vehicle(s), click **Delete**, and click **Remove from Group** in the pop-up window to remove the vehicle(s) from the household.

Renew in Household

Click **Renew** at the top of the interface to renew all vehicles under the household. Refer to **Renew in Household** for details.

Chapter 7 Monitoring

You can view the information about vehicle passing, barrier gates, and charging.

Before You Start:

Cameras, barrier gates, and other devices have been connected.

Steps:

1. Go to **Monitoring**.
2. Move your cursor over the parking lot name in the upper left corner of the interface, and all the parking lots and parking spaces information are displayed automatically. Click to switch the parking lot displayed on the interface.



Figure 7-1 Select Parking Lot

3. Click **Monitoring Settings** to set the main interface display and charging display, and bind the monitoring interface and lanes. For details, refer to **Monitoring Settings**.
4. View the live view of the lanes.

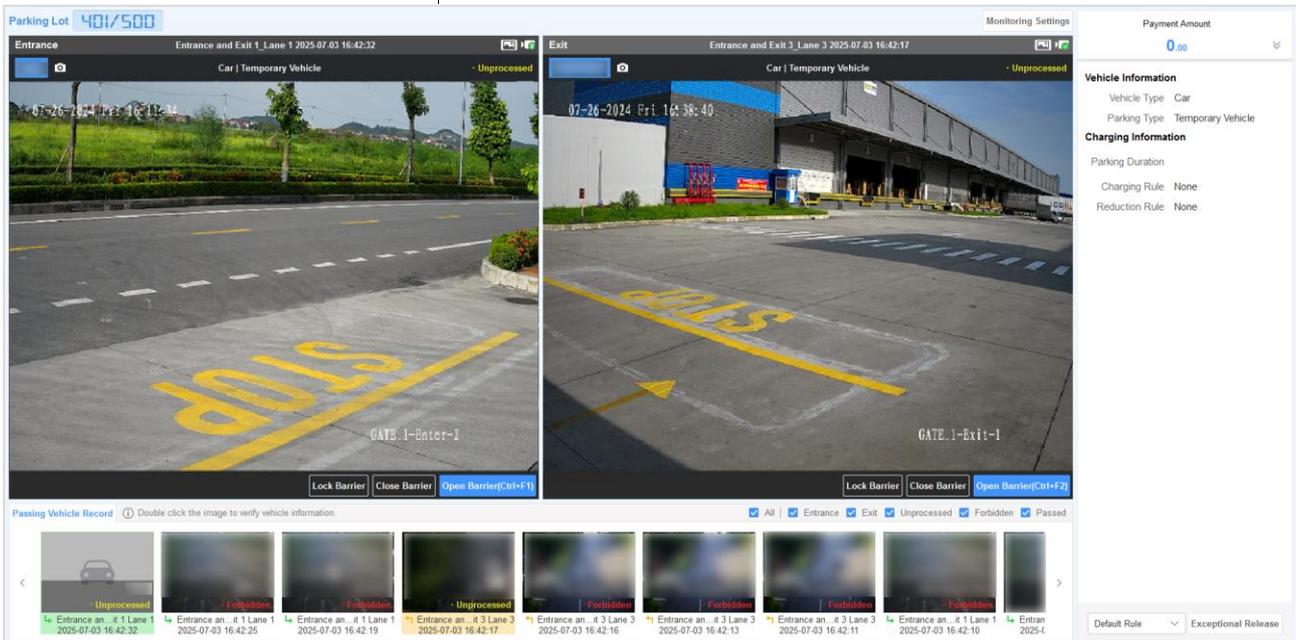


Figure 7-2 Live View

5. Control barrier gates according to actual needs.

- Open Barrier** Rise the boom pole of the barrier gate.
- Close Barrier** Fall the boom pole of the barrier gate.
- Lock Barrier** Lock the barrier gate and its status cannot be changed by remote controller or event triggering.
- Unlock** Unlock the barrier gate.
6. (Optional) Perform the following operations as needed.
- Manual Capture** In the live view interface, click  to capture vehicle pictures manually.
- Enable Two-Way Audio** In the live view interface, click  to start two-way audio.
-  **NOTE**
The function should be supported by the added device.
- Switch Video Mode/Picture Mode** The default mode is picture mode. In the live view interface, click  in the upper right corner to switch to video mode. After switching, the icon becomes . Click  to switch to picture mode.
- Fuzzy Matching** When no entry information is found for a vehicle at exit, a small entrance window will pop up on the exit window. You can click  to match the entry records manually.
- View Passing Vehicle Record** Click **Vehicle Record** and select the record type(s) to view the vehicle passing records. Double click the picture to verify the vehicle information. You can edit the license plate number, vehicle type, license plate color, and vehicle color.
- View Charging Details** View the vehicle and charging information on the right of the interface. Click  to view the current charging details. Click **Print** to print the details.
-  **NOTE**
You can set permissions when adding users in **Configuration > User Management > Role Management**. If you don't want to show the charging details to the operators, uncheck **Check Total Fee** or **Check Payment Details** when adding common users. For details, refer to **User Management**.
- Exceptional Release** When the vehicle cannot be released automatically at the exit, you can select the exceptional vehicle rule and click **Exceptional Release** to release the vehicle manually on the lower right corner of the . Refer to **Configure Exceptional Vehicle Rule** for the exceptional

vehicle rule settings.

Chapter 8 Records Search

8.1 Search Records

You can search vehicle records, payment, parked vehicle, renewal records, duty shift, and operation logs.

Steps:



- The supported data type for searching may vary with device models. Please refer to the actual interface.
- To prevent settlement failure at exit due to data accidental deletion, please create a common administrator to operate.

1. Go to **Records Search**.
2. Select the item from **Records** that you want to search on the left.
3. Set the search conditions.
4. Click **Search**.

The results are displayed in the list.

The screenshot shows the 'Records Search' interface. On the left is a navigation menu with options like 'Vehicle Records Search', 'Payment Search', 'Parked Vehicle Search', etc. The main area contains search filters for Start Time, End Time, Parking Lot, Entrance and Exit, Lane, Card No., Multiple Vehicles per Household, Vehicle Type, Parking Type, and Release Mode. A 'Search' button is visible. Below the filters is a table with columns: License Plate, Passing Time, Parking Type, Card No., Card Swiping Time, Parking Lot, Entrance and Exit, Lane, Direction, Operator, and Release Mode. The table contains multiple rows of data for 'Temporary Vehicle' records from 2025-07-03. A right-hand panel shows a preview of a record, including a photo of a car and text: 'admin Forbidden Release 2025-07-03 16:55:29', 'Parking Lot Entrance and Exit 3 Lane 3', 'License Plate No.', 'Card No.', 'Parking Type Temporary Vehicle', and 'Vehicle Type Car'. At the bottom, it says 'Total 8486 Item Item(s)/Page 100 / 85 Page'.

Figure 8-1 Search Records

 **NOTE**

Click an item from the result list, and the related picture and detailed information will be displayed on the right side.

5. (Optional) Perform the following operations as needed.

- | | |
|------------------------------------|---|
| Export | Click Export to export search results to the computer. |
| Search Result Configuration | Right click on the search results list header to set the search result items to be displayed. |
| Delete | Select the data to be deleted and click Delete to delete one or multiple search results. |

 **NOTE**

- Deleting search results of vehicles in parking lot is only available to super administrator, administrators, and common users who have the permission to delete the data.
- When deleting the vehicle records, the super administrator password is required for verification.

8.2 View Statistics Reports

You can view the statistics reports of traffic flow, payment, payment details, and renewal details.

Steps:

1. Go to **Records Search**.
2. Select the item from **Statistics Reports** on the left.
3. Set the statistical conditions as needed.
4. Click **Statistics**.
5. Select **Chart** or **Table**.

The graph is generated in the interface.

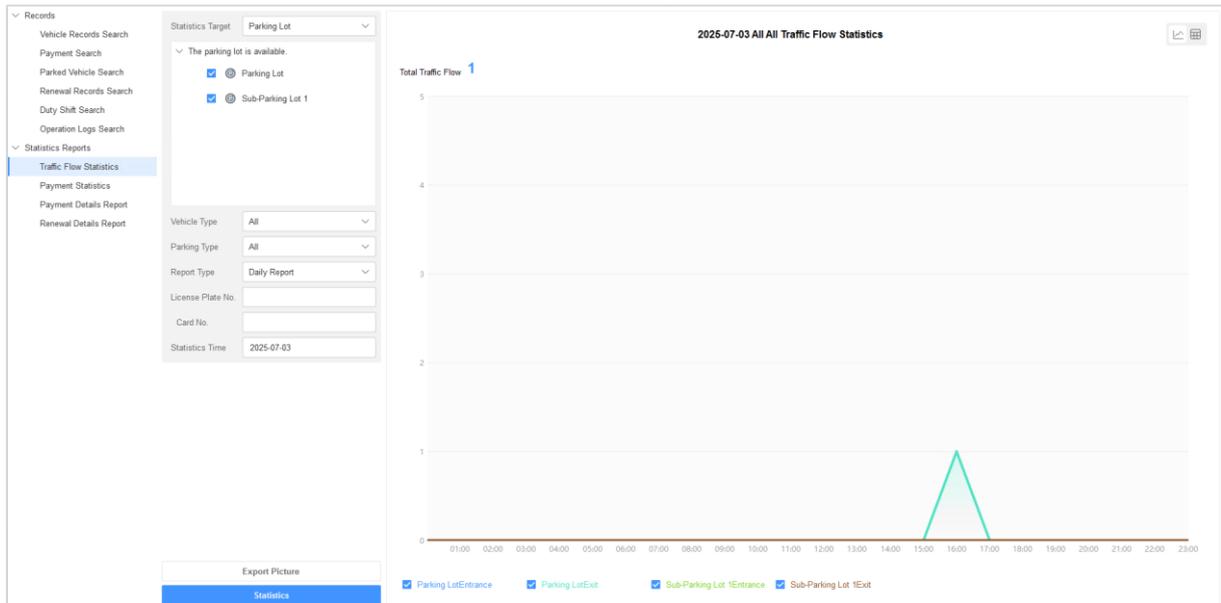


Figure 8-2 View Statistics Reports

6. (Optional) click **Export Picture/Export as Excel/Export as PDF** to export the results to a file in the corresponding format and save it to the computer.

 **NOTE**

The supported export formats may vary with statistics types. Please refer to the actual interface.

Chapter 9 Maintenance

9.1 View Device Information

Go to **Maintenance > Device Information** to view the overview of vehicle passing, device exceptions, terminal running status, and added device information.



Figure 9-1 View Device Information

Overview of Pass

View the average confidence of pass by day, week, and month. If the confidence level is low, pay attention to the site construction. You can also view the success rate of pass (the ratio of vehicles passed directly without manual intervention).

Device Exceptions Overview

View the statistical bar chart of the number of alarm devices and offline times in a week.

Terminal Status

View the CPU usage, memory usage, HDD usage, and terminal device uptime.

Added Device Details

View the number of online and offline devices, the number of alarm devices, and added device details. You can click **Web Page** to access to the online device directly.

9.2 View Alarm Information

You can search alarm information of the terminal device.

Steps:

1. Go to **Maintenance > Alarm Information**.
2. Set the search conditions, and click **Search**.

Result:

Alarms that meet the search conditions will be displayed on the interface.

Chapter 10 Software Other Operations



The user currently logged in is the admin.

Shift Duty

Click **admin > Shift Duty** on the upper right corner of the interface. You can view the current charging details and print it if needed. When you close the window, a window will pop up to prompt other users to log in. Enter the password of the selected user to log in again.

Check Out

Click **admin > Check Out** on the upper right corner of the interface. You can view current charging details and print it if needed. When you close the window, a window will pop up and ask if you want to exit the system. Click **Yes** to exit the software.

Lock User

To ensure system security, lock the system to prevent it from being operated by other persons before leaving. Click **admin > Operation Lock** on the upper right corner of the interface to lock the system.

Unlock User

After locking the system, enter the current user password, and click **Unlock** to unlock the system.

Edit Password

If you need to change the current password, click **admin > Edit Password** on the upper-right corner of the interface. Enter **Original Password**, **New Password**, and confirm the new password, and click **Login**.

Switch User

Click **admin > Switch User** on the upper right corner of the interface, and a window will pop up to prompt other users to log in. Enter the password of the selected user to log in again.

Exit

Click **admin > Exit** on the upper right corner of the interface, and click **Yes** to exit the software.



See Far, Go Further