

Operation instructions for parking lot management software

1、 System configuration requirements

1.1 hardware requirements

Host type (server, client): Core i3 processor or above

Network type: Supports TCP/IP

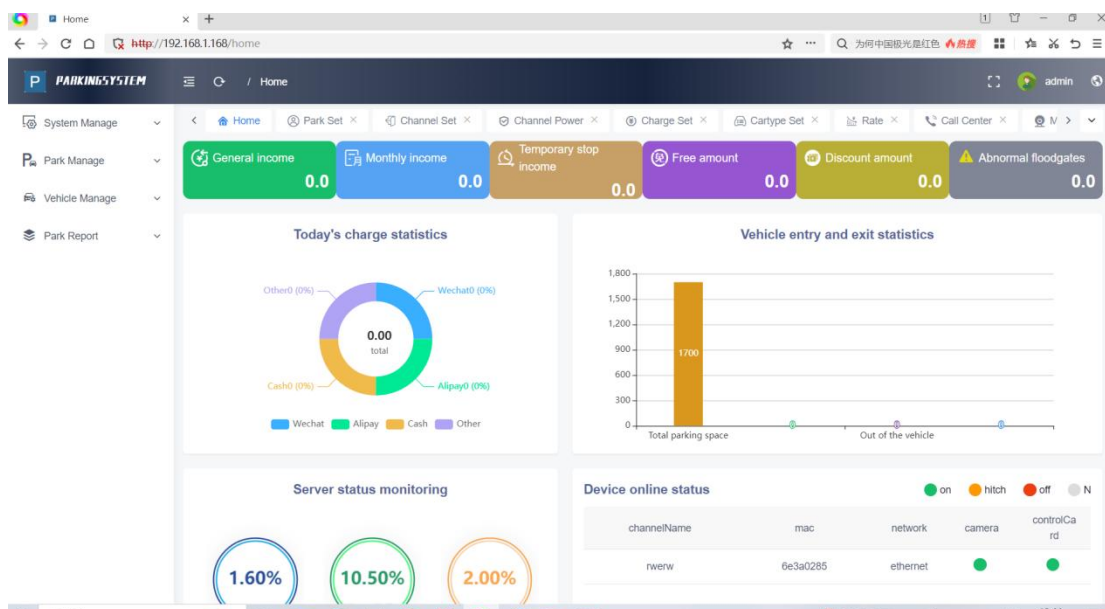
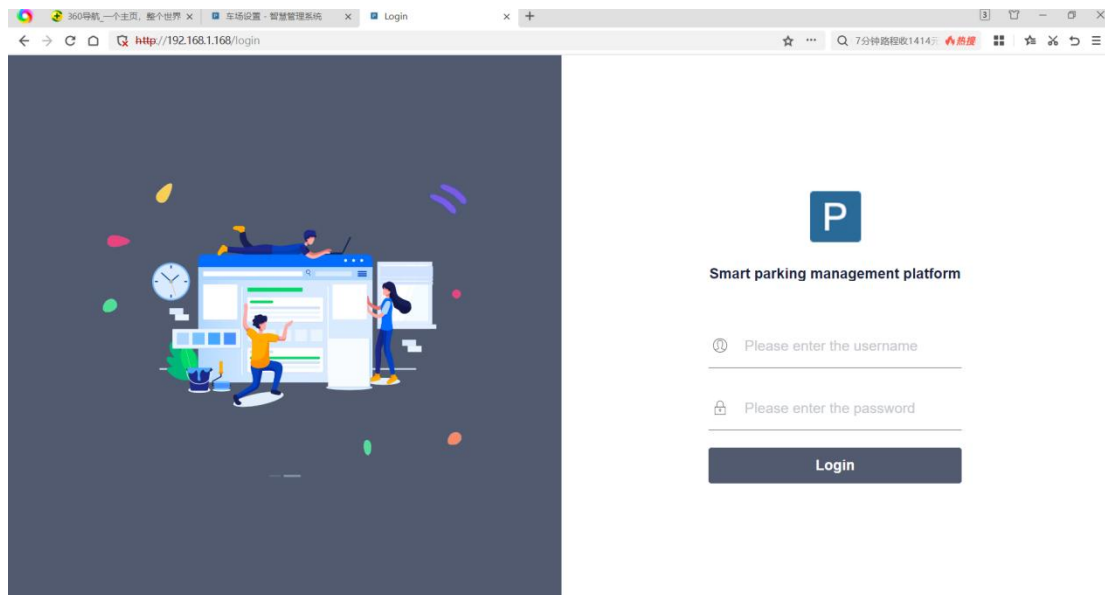
Memory capacity: not less than 256G

Memory: more than 8G

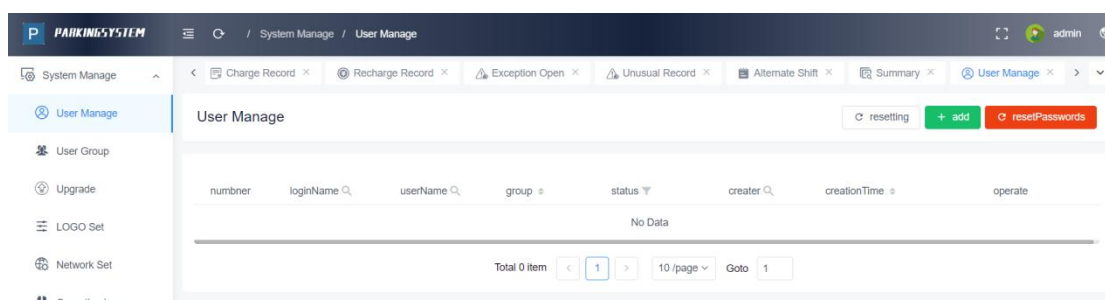
2、 Software configuration

IE browser enters IP login, default management account: admin

Password:123456

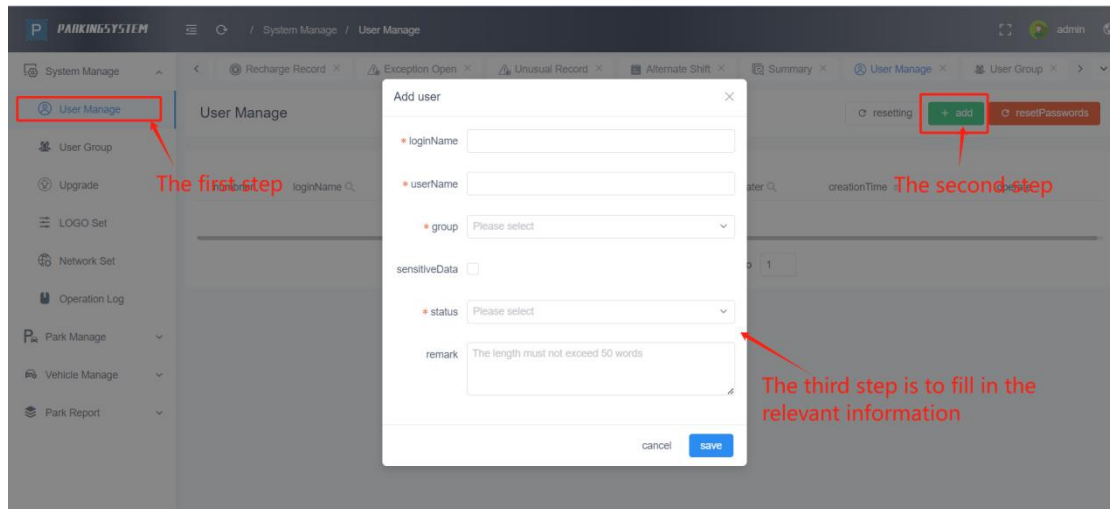


3. system management



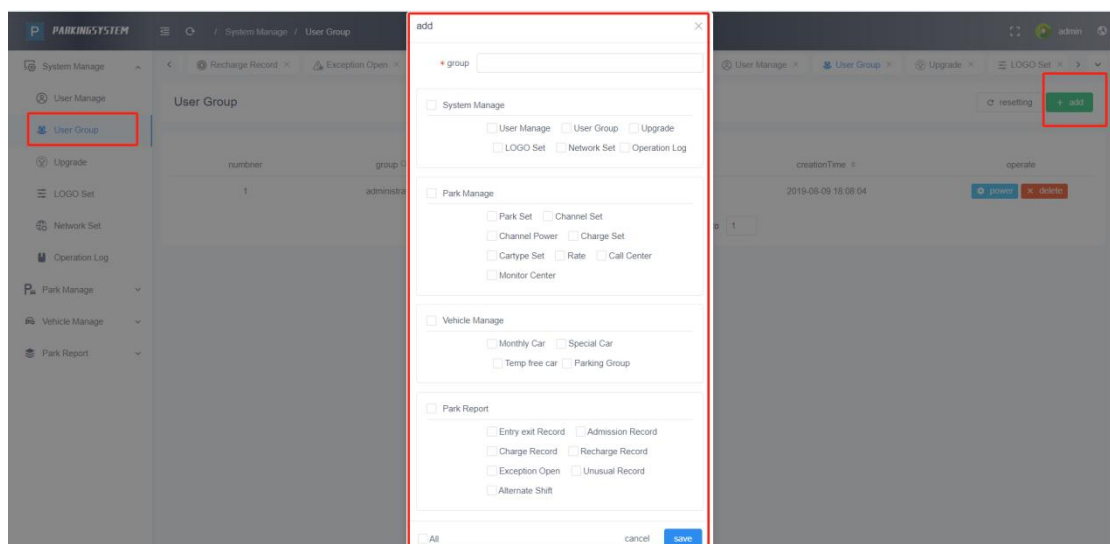
3.1 User management

Add or delete user personnel: Click user management. After entering user management, you can add, modify and delete users. The operation is as follows:



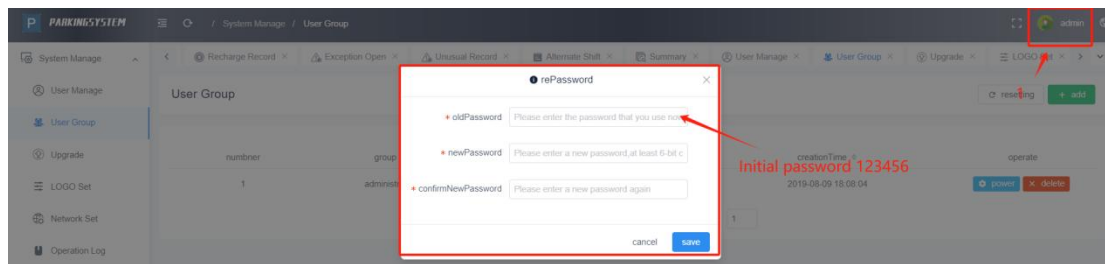
3.2 User group management

Create/delete user groups; set user permissions; operate as follows:



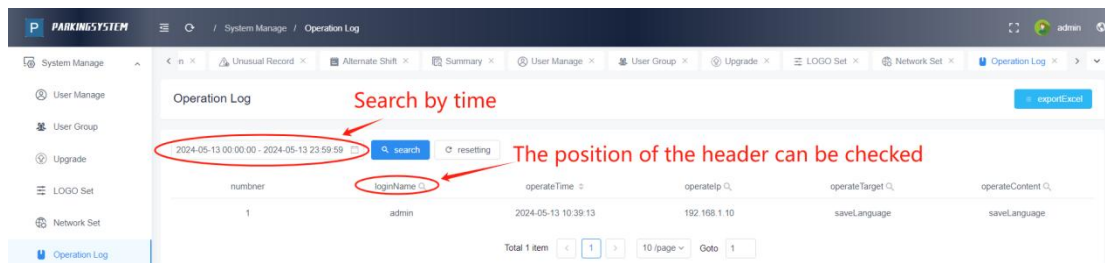
3.3 Password modification

The default for creating all account passwords is: "123456"; click Modify Password, and the "Password Modification" window will pop up. Enter the original password and enter the new password. Confirm the preservation. (Note: Modifying the password can only modify the current login account password)



3.4 Operation log

Click "Operation Log" to pop up the operation log query window; the operation log records the operator's operation steps in the software;



4、Parking lot management

4.1 Parking lot setting

4.1.1 Basic system settings

4.1.2 Name of the parking lot

The name of the local parking lot and the name of the parking lot will be played on the hardware display screen.

4.1.3 Parking lot number

Server parking lot number, the default parking lot number that is initially assigned by the system. If you need to access mobile payment from the cloud, you need to click the parking lot "Car Parking Authorization Button".

4.1.4 Server IP

The IP of the local server is sent to the hardware for the address of the hardware to transmit data to the server. The software is automatically allocated without changing.

4.1.5 Type of parking space

Comprehensive parking space: temporary cars and fixed cars will add or subtract parking spaces. When the parking lot is full, all vehicles cannot enter;

Temporary parking space: When the temporary car enters and exits, the parking space is increased or decreased. When the parking lot is full, the temporary car cannot enter, and the fixed car is not restricted;

Fixed parking space: only the entry and exit of the fixed car is added or subtracted, and temporary entry is not allowed;

4.1.6 Total number of parking

Number of parking spaces in local parking lots

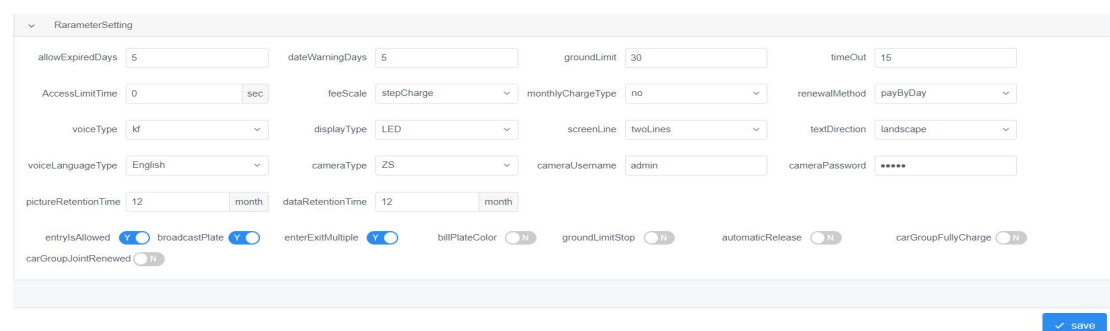
4.1.7 Number of fixed parking spaces

Monthly truck number (can be customized)

4.1.8 Temporary parking places:

Number of parking spaces in toll parking lots (used to restrict vehicle entry when the parking lot is full)

4.2 System parameter settings



The screenshot displays the 'ParameterSetting' interface with the following parameters and values:

Parameter	Value
allowExpiredDays	5
dateWarningDays	5
groundLimit	30
timeOut	15
AccessLimitTime	0 sec
feeScale	stepCharge
monthlyChargeType	no
renewalMethod	payByDay
voiceType	kf
displayType	LED
screenLine	twoLines
textDirection	landscape
voiceLanguageType	English
cameraType	ZS
cameraUsername	admin
cameraPassword	*****
pictureRetentionTime	12 month
dataRetentionTime	12 month
entryIsAllowed	☒
broadcastPlate	☒
enterExitMultiple	☒
billPlateColor	☐
groundLimitStop	☐
automaticRelease	☐
carGroupFullyCharge	☐
carGroupJointRenewed	☐

A 'Save' button is located at the bottom right of the interface.

4.2.1 The number of days allowed to expire for fixed vehicles:

After expiration, you can continue to use the fixed card for the number of days. This function conflicts with the monthly charging standard. When the monthly charging standard is set, this function does not take effect;

4. 2. 2 Fixed vehicle expiration warning days: Set the validity period of the monthly car rental broadcast. If it is set to 7 days, the validity period of the day is greater than 7 days, and the validity period will not be broadcast, less than or equal to 7 days; when set to 0, the validity period of a live broadcast;

4. 2. 3 Ground restrictions on monthly car rental: Limited monthly car rental ground parking (if it exceeds the temporary parking time, it will be charged according to the temporary car, and the function will not take effect when it is set to 0)

4. 2. 4 Overtime charging time: After paying in the venue, it is allowed to stay in the venue for a period of stay, and there will be a charge beyond this time;

4. 2. 5 Default license plate prefix: Configure the mainstream license plate prefix in the region, and the system will add it by default where it is necessary to enter the first Chinese character of the license plate;

4. 2. 6 Free pass license plate at the beginning and end: When you need to set a license plate with common characteristics, you can enter and exit for free, for example, the license plate is police A12345, police A88888, when set to "police" such license plates can be entered and out for free. If you need to set more than one, the letters are separated by commas;

4. 2. 7 Payment service URL: The address of the mobile payment server;

4. 2. 8 Camera type: You can choose ZX type; HX type;

4. 2. 9 Camera username: Default username admin;

4. 2. 10 Camera password: ZX type is admin; HX type is 123456;

4. 2. 11 Data retention time: Set the retention time of the entry and exit data of the motherboard;

4. 2. 12 Image retention time: Android motherboard picture retention time;

4. 2. 13 Types of charging standards: Ladder charge, Shenzhen fees, cross-time fees;

4. 2. 14 Monthly train fee type: After the monthly rental car expires, it will be charged according to the temporary stop type;

4. 2. 15 No license plate processing: Pick up tickets, scan the code, and enter automatically.

4. 2. 16 License plate matching type:

Full match: only when the license plates of the game are the same as that of the entry will they appear normally;

One-digit tolerance: The license plate of appearance and entry can be different from any other same system defaults to the same license plate (Note: there is only one entry license plate, and more than one will not be considered the same license plate);

Fault-tolerant two-digit: the license plate of appearance and entry can be any two different. Other same system defaults to the same license plate (Note: there is only one entry license plate, and more than one will not be considered the same license plate);

4. 2. 17 Monthly car rental renewal model:

Daily payment: For example, open an account on 2019-10-15. If you pay for 1 month, the expiry date is: 2019-10-14

Natural monthly payment: For example, open an account on October 15, 2019. If you pay for 1 month, the expiration date: 2019-10-31

4. 2. 18 Admission is allowed when the parking lot is full: Vehicles can continue to enter after the parking lot is full.

4. 2. 19 Broadcast license plate: Vehicles enter and exit to broadcast the license plate voice

4. 2. 20 Tracking log: Detect the device operation log; (on by default)

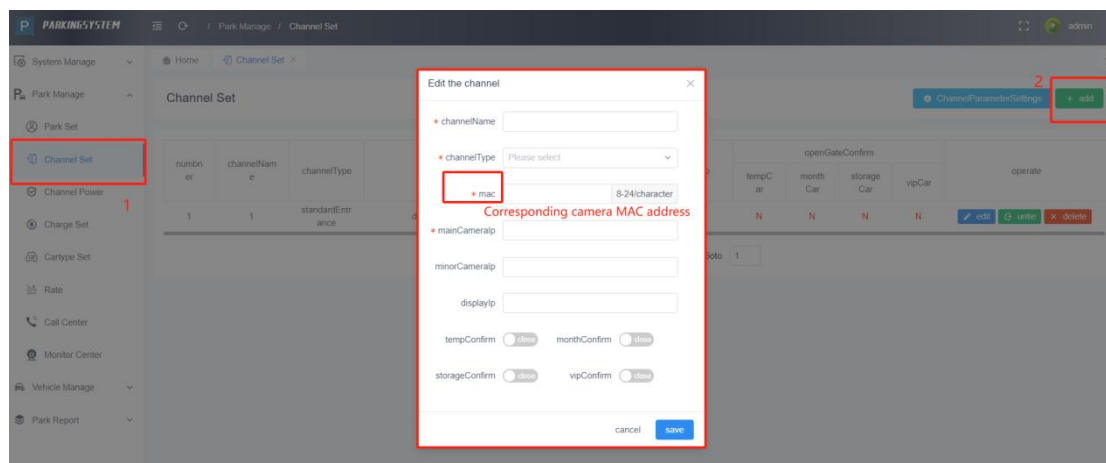
4. 2. 21 Authorized vehicles enter and exit multiple times: The monthly rental vehicle can enter and exit many times, and the entry record can be found.

4. 2. 22 Nested parking lot billing function: It is used for billing in large and small parking lots, and the default parking lot is not charged;

4. 2. 23 Billing by license plate color: When not checked, all license plates are charged according to the temporary car; when checking: blue card; green card; yellow card to distinguish the type of car, respectively: temporary car A, temporary car B, temporary car C;

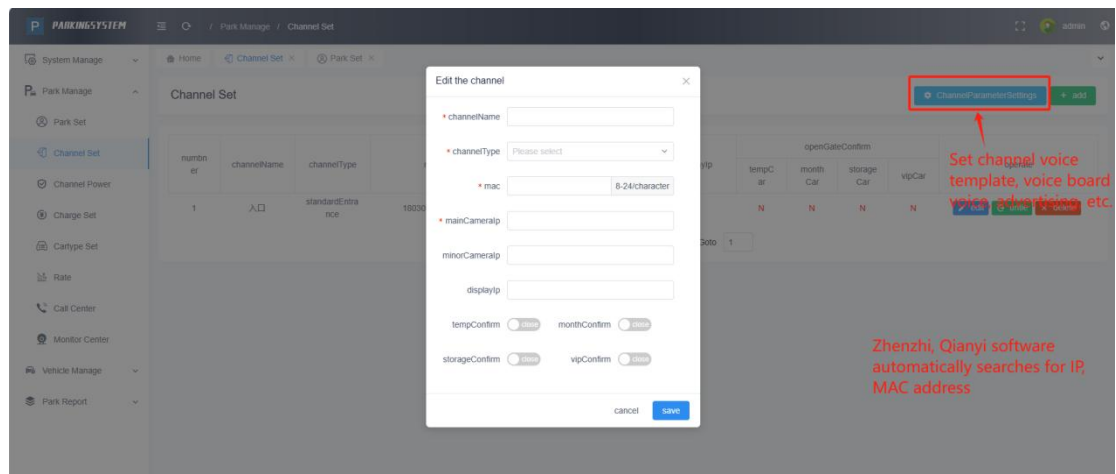
5.Channel management

5.1 Channel settings

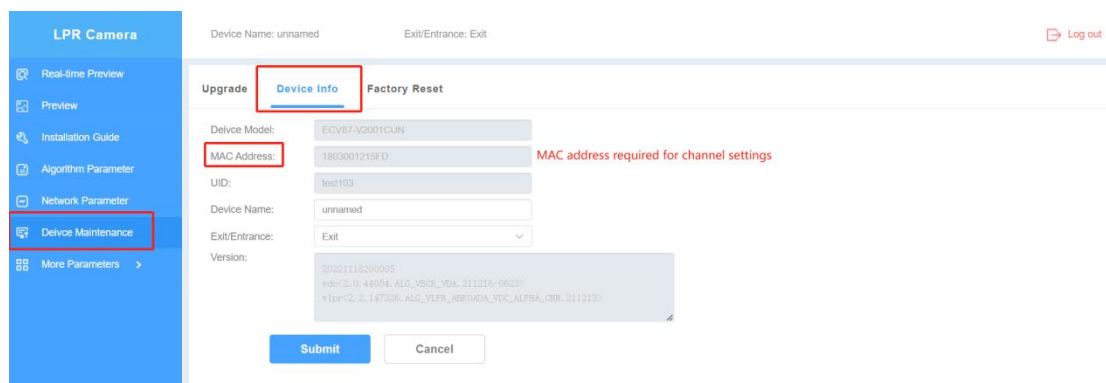


5.2 Editing channel

Click "Edit", pop up the "Edit Channel" window, fill in the channel name, select the channel type, enter the main and secondary camera IP, and click the "Save" channel settings to complete. The operation is shown below.



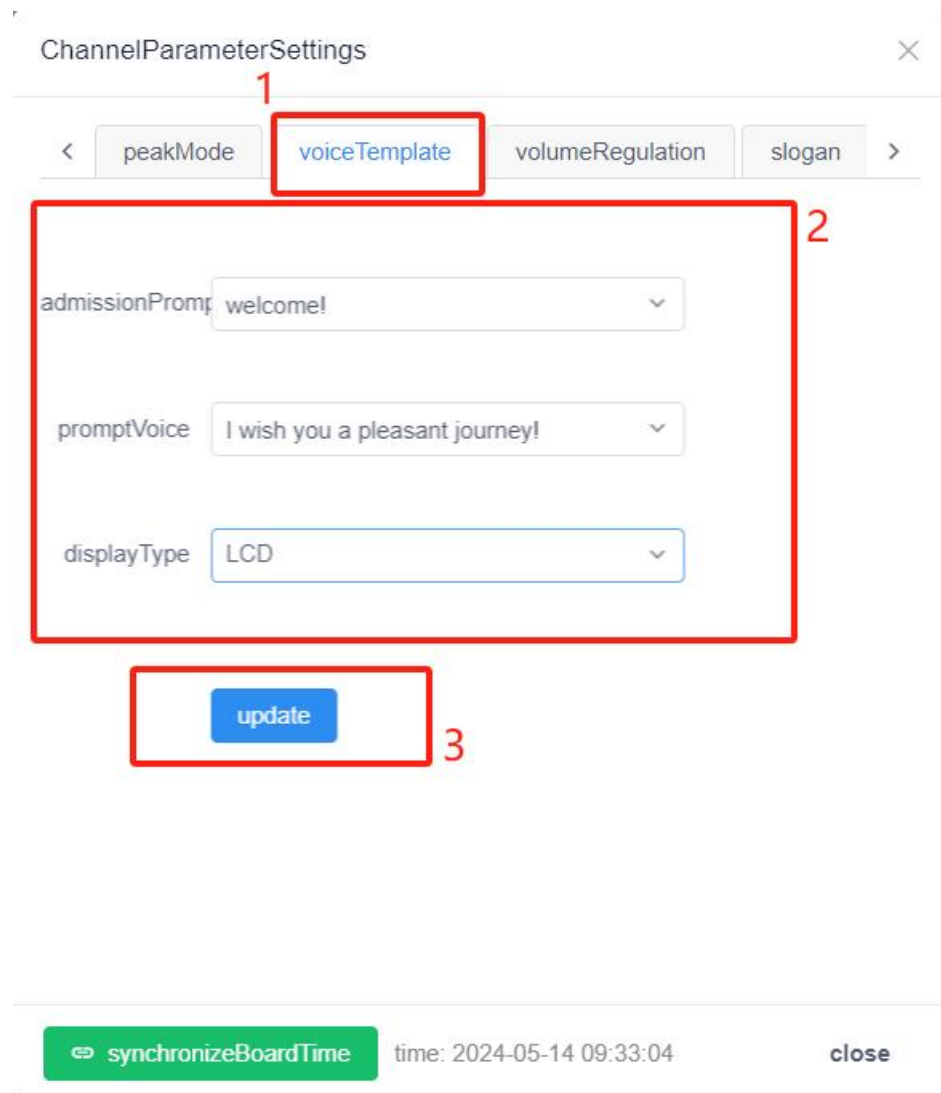
Huaxia mac address



Qianyi camera can search for it by itself.

5.2.2 Language template

Click "Channel Parameter Settings", pop up the "Channel Parameter Settings" window, click "Language Template", enter "Enter tone", "Outbound Prompt Tone", select "Display Type", and the application confirmation. The operation is shown in the figure below.



5. 2. 3 Volume adjustment

Click "Channel Parameter Settings", the "Channel Parameter Settings" window will pop up, click "Volume Adjustment" to select the moderate volume according to the needs of the parking lot. The operation is shown in the following figure:

ChannelParameterSettings

<

peakMode

voiceTemplate

volumeRegulation

slogan

>

Play time (00:00-23:59)

defaultVolume

0

morning

06:00

-

08:00

0

0

forenoon

08:00

-

12:00

0

0

noon

12:00

-

14:00

0

0

afternoon

14:00

-

18:00

0

0

evening

18:00

-

06:00

0

0

update

Adjust the volume by time period

synchronizeBoardTime

time: 2024-05-14 09:36:25

close

5.3 Channel permissions

Click "Channel Permission" to set whether the entrance and exit are allowed to pass normally according to the needs of the parking lot; "Yes" is normal traffic; "No" is prohibited; this function is applicable to multiple entrance and exit parking lots;

System Manage

Home

Channel Set

Channel Power

Park Manage

Channel Power

Channel Power

num	tner	channelN	channelT	pe	vehicleTypePermissionSetting										
		ame	pe		vpCar	tempCarA	tempCarB	tempCarC	tempCarD	monthCarA	monthCarB	monthCarC	monthCarD	storageCarA	storageCarB
1	1	standardE	entrance		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Total 1 item

1

10 /page

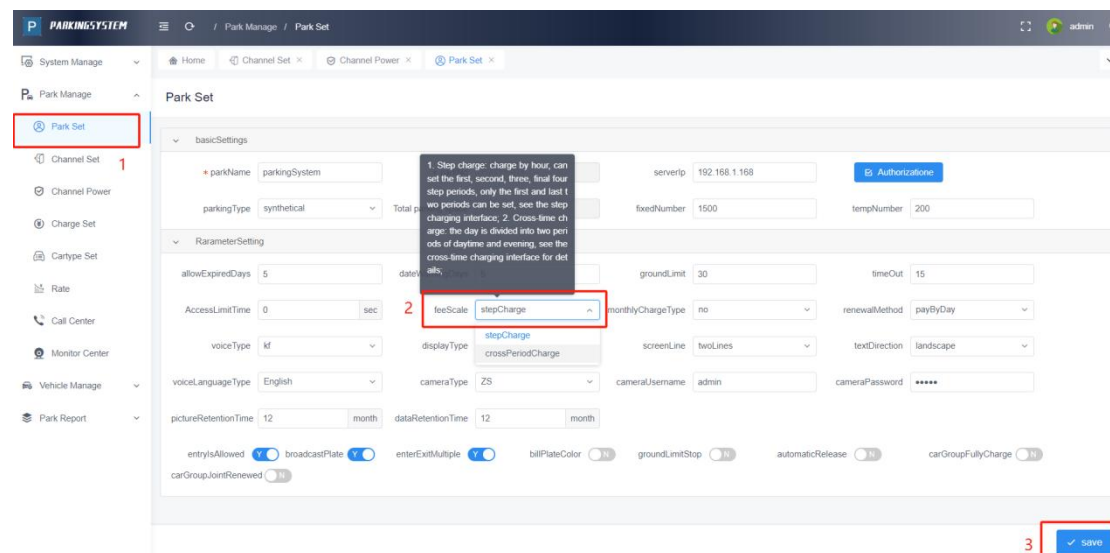
Goto

1

5.4 Billing settings

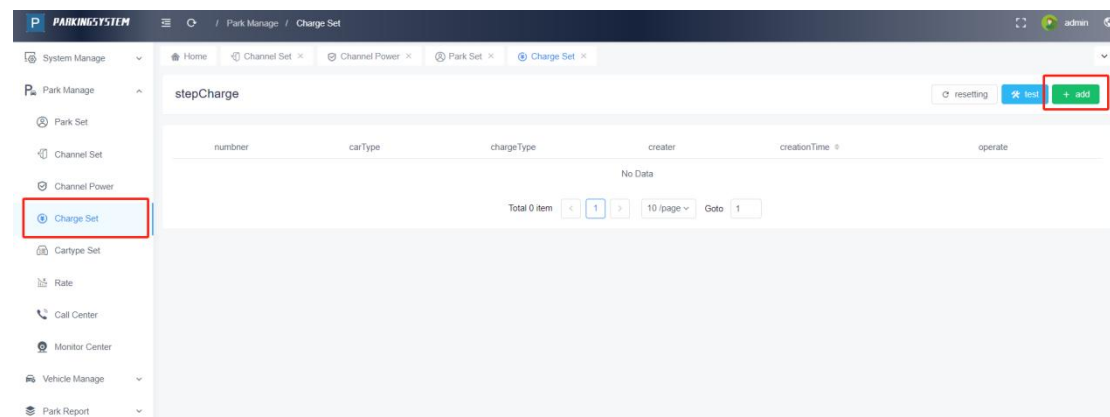
5.4.1 Add billing rules

Before adding billing rules, you need to set the charging type applicable to the parking lot in advance in the "Carriage Settings"; the operation is shown in the figure below.



5.4.2 Fee standard setting

After the charging standard is set, return to the "Charge Settings" option, add the billing rules, and edit the charging standard according to the needs of the parking lot. (Tip: If the display standard is inconsistent with the set standard, for example, the parking lot is set to "Shenzhen Charge", the charging setting page is displayed as "stage charging", refresh the page or log in again)



5.4.3 Step-by-step charges

The charging standards for temporary vehicles A, B, C and D can be set; the free time can be checked "not included", that is, the free time will not be calculated into the parking time when the vehicle is charged; the billing cycle can be set to 12 hours or 24 hours, and the maximum charging amount can be set in the cycle; it can be charged according to the unit time in multiple sections. Within a period of time, it will be billed according to the billing unit. After this time period, it will be billed according to the billing unit of the next time period; set as shown in the figure below.

stepCharge

* carType

Please select

computerCycle

24

hour

freeTime

0

min

☐ doNotContain

cycleCalculationMethod

first

timeSpan

0

min

unit

0

min

amount

0

\$

two

timeSpan

0

min

unit

0

min

amount

0

\$

three

timeSpan

0

min

unit

0

min

amount

0

\$

last

unit

0

min

amount

0

\$

top

0

\$

☐ chargeAfterCycle

☐ multipleisCapped

close

save

Multiple entrances and exits are capped, and the maximum charge is full within 24 hours, and no longer in 24 hours or so on. Charge

5. 4. 4 Charges across time periods

The charging standards for temporary vehicles A, B, C and D can be set; the free time is checked "not included", that is, the free time is not included in the parking time when the vehicle is charged; the time period is divided into daytime and night, and the billing method can be charged by time or unit time; the maximum charge amount in the night period can be set, and the maximum charge for the whole day. Amount, the maximum charge during the day period = the highest charge for the whole day - the highest charge at night; if you check the cross-section supplement time, when the billing unit time in the first time period enters the next time period, the system will make up the remaining time in the first time period to the next time period, and the charge will be charged according to the billing standard of the first period. ; The settings are shown in the following figure:

crossTimeCharge

* carType Please se... freeTime 0 min

☐ doNotContain

day 08:00 - 20:00

accountForm ☒ chargeHour ☐ chargeNumber

first Please ▾ min 0 \$ Please ▾ min

unit 0 \$ Please ▾ min

night 20:00 - 08:00

accountForm ☒ chargeHour ☐ chargeNumber

first Please ▾ min 0 \$ Please ▾ min

unit 0 \$ Please ▾ min

top 0 \$ dayTop 0 \$

nightTop 0 \$ ☐ stoppageTime

close save

(Note: After the charging setting is completed, you need to return to the parking lot parameter setting option bar and click "Save Settings" to send)

5.6 Car type configuration

The vehicle type configuration function is mainly used to restrict the prohibition of temporary vehicles from entering the parking lot within the specified period of time; monthly rental vehicles are prohibited from entering or charging within the specified period of time;

number	carType	alias	beginTime	endTime	timeFunction	isEnabled	operate
1	vip	VIP				N	edit
2	tempA	tempA				N	edit
3	tempB	tempB				N	edit
4	tempC	tempC				N	edit
5	tempD	tempD				N	edit
6	monthA	monthA				N	edit
7	monthB	monthB				N	edit
8	monthC	monthC				N	edit
9	monthD	monthD				N	edit
10	storedA	storedA				N	edit

Total 14 items

5.7 Monthly rental rate

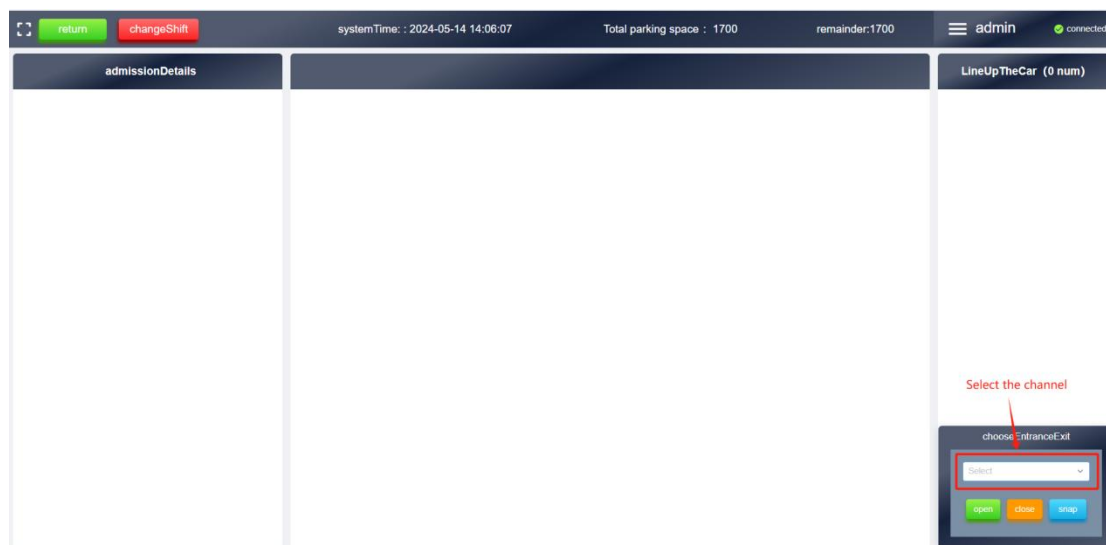
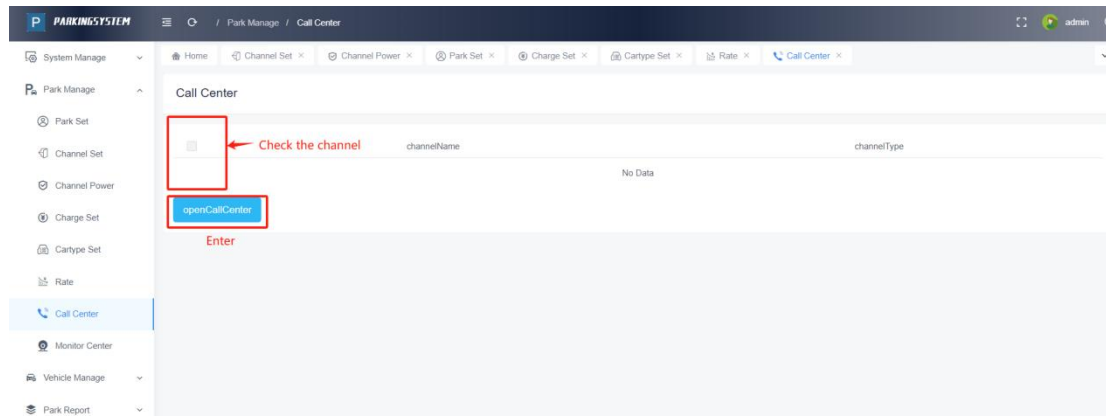
Set the charging standard for monthly rental vehicles; the monthly rental mode is one month. The quarterly rent mode is 3 months; half a year is 6 months; set and select the corresponding mode for editing.

number	carType	mode	money	remark	operate
1	monthA	monthlyRent	200		edit
2	monthB	monthlyRent	200		edit
3	monthC	monthlyRent	200		edit
4	monthD	monthlyRent	200		edit
5	monthA	seasonRent	600		edit
6	monthB	seasonRent	600		edit
7	monthC	seasonRent	600		edit
8	monthD	seasonRent	600		edit
9	monthA	halfYearRent	1200		edit
10	monthB	halfYearRent	1200		edit

Total 16 items

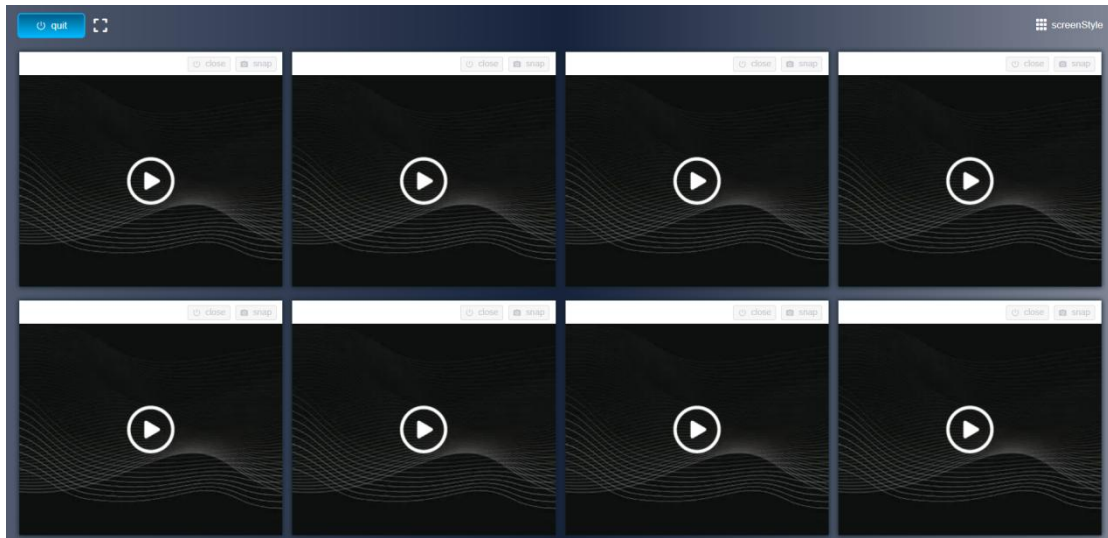
5.8 Call center

Click the "Call Center" to pop up the "Channel Selection" window, select the channel, and confirm the entry; you can view the details of the vehicle's entry and flow in real time, and deal with the "entrance" that cannot enter and exit the vehicle normally.



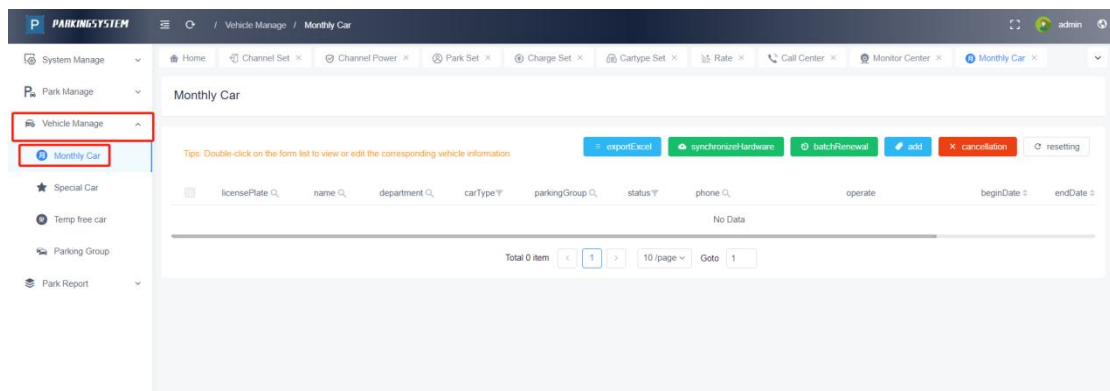
5.9 Monitoring Center

Click "Monitoring Center" to watch the real-time video of the parking lot channel camera in real time.



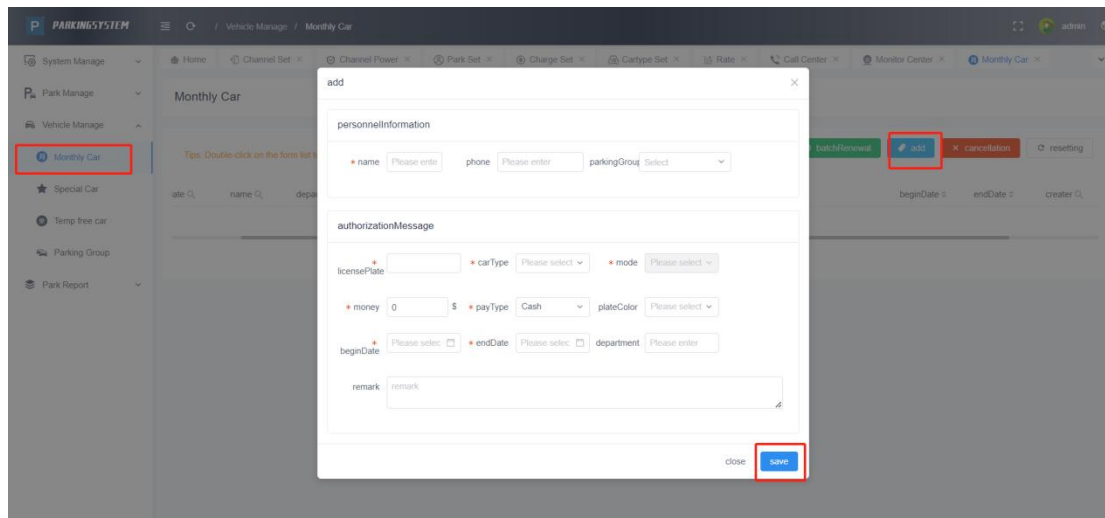
6、Vehicle management

6.1 Monthly car rental management



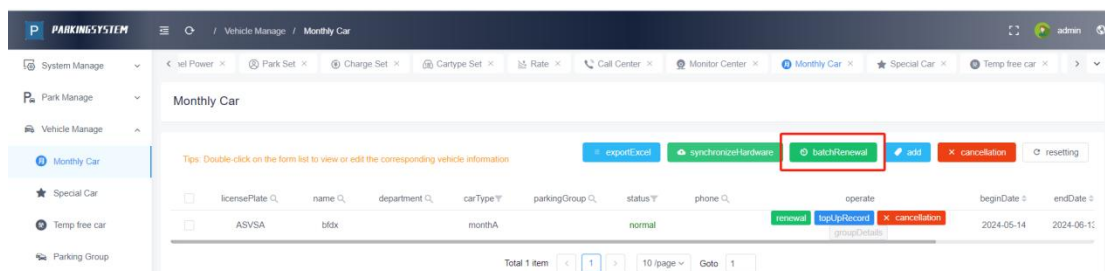
6.1.1 Monthly car rental issue

Click "Monthly Rent Issuance" and the "Monthly Rent Issuance" window will pop up and fill in "Personnel Information". "Card issuance information" is saved and sent.



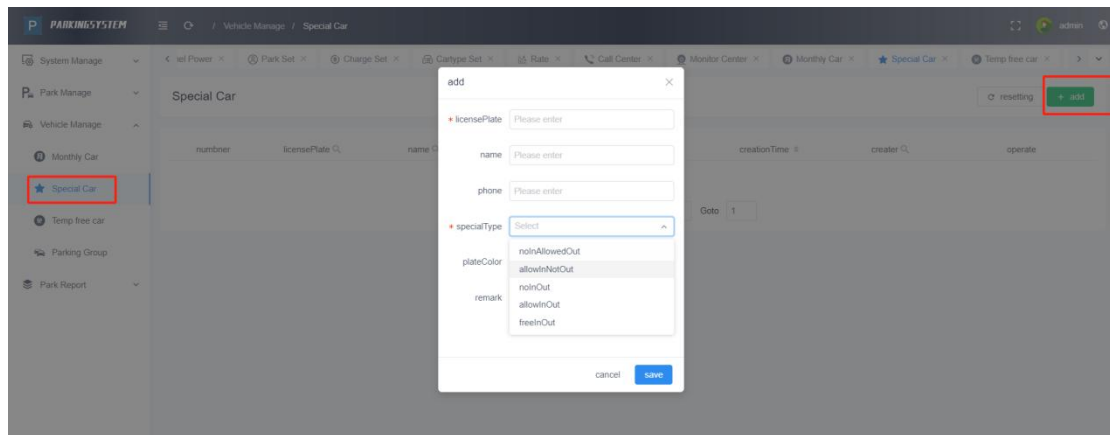
6.1.2 Batch extension

Check the deferred vehicle information, click "Batch Extension" to pop up the "Monthly Card Extension" window, and fill in the extension time. Confirm the extension



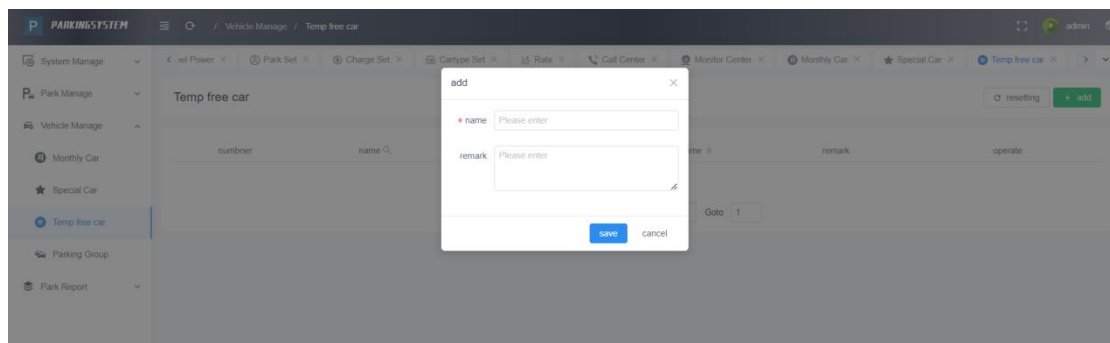
6.2 Special vehicle management

You can add blacklisted vehicles (prohibited), unrecorded vehicles (free passage), and permanent free vehicles (free passage) as shown in the figure below.



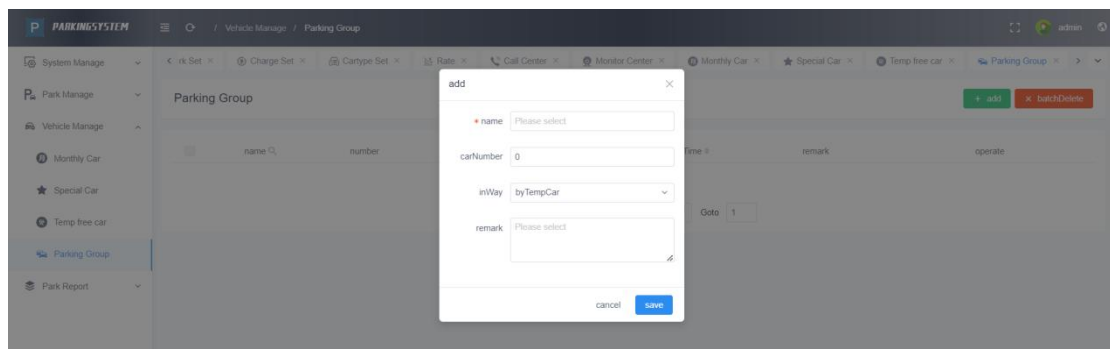
6.3 Free car management

Click "Add" to pop up the "Add" window, enter the name and save it; it is used to release "visit, meeting vehicles" for free in the toll parking lot.



6.4 Parking space set

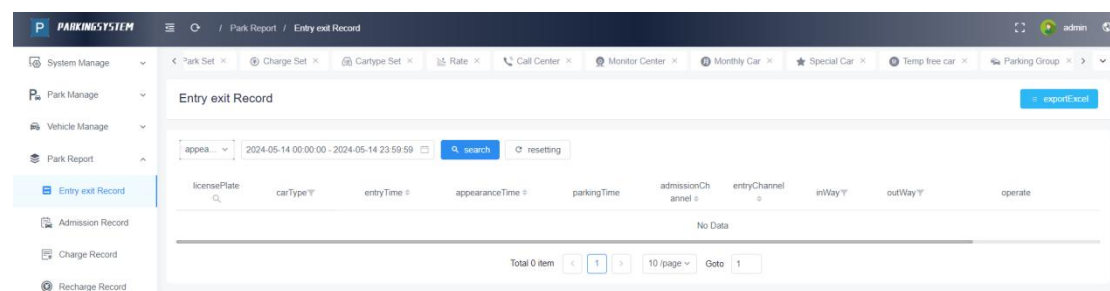
Click "Add" to pop up the "Add" window and fill in the parking space name. Number of parking spaces. Select the entry method and save the settings. It is used to restrict the access of one car to the parking lot.



7、Parking lot report

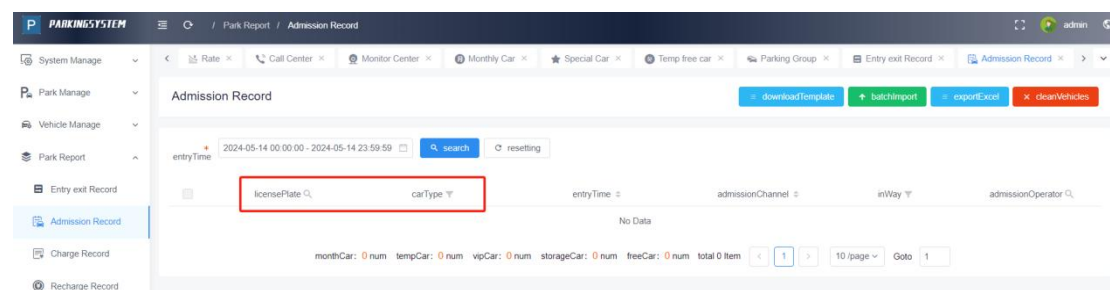
7.1 Flowing water in and out

Enter the "access details inquiry" to query the entry and exit details of all card categories, or you can search for the corresponding information by querying condition filter records and fuzzy query. At the same time, double-click the record to see whether the comparison picture is correct.



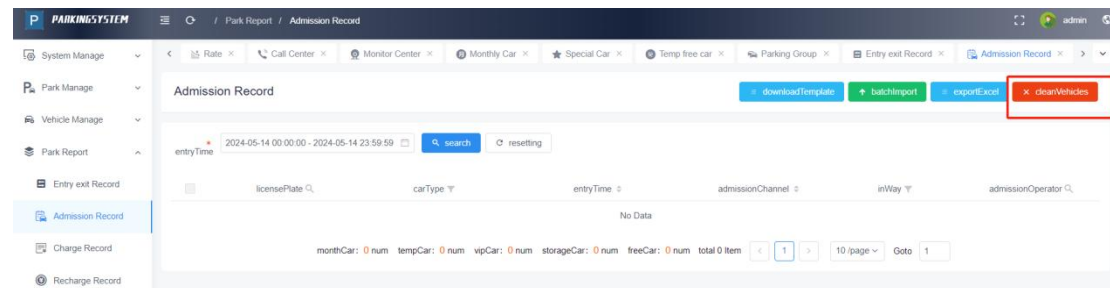
7.2 On-site vehicles

Enter the "In-site Vehicle Inquiry" report to query the vehicle information that has not yet appeared after entering the site. At the same time, double-click the record to view the contrast picture; you can find the corresponding information through blurred query; or click the triangle line icon in the upper right corner of each title to adjust the ranking of vehicles.



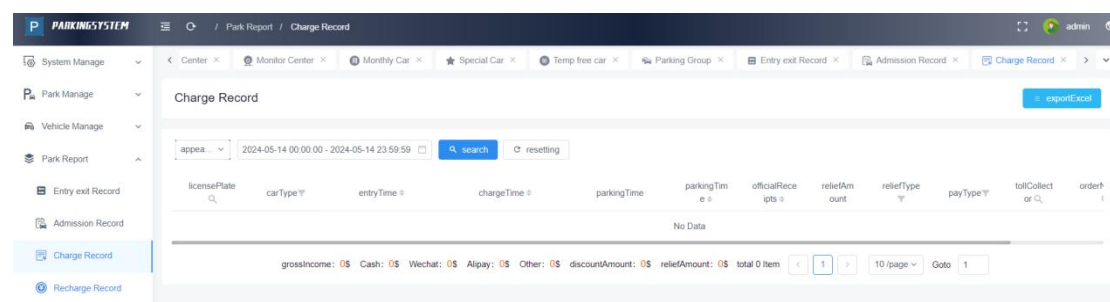
7.3 Clean up of stranded vehicles

Clean up the zombie car data in the long-term parking lot data; check the vehicle that needs to be cleaned up, and click "Clean up the stranded vehicle"



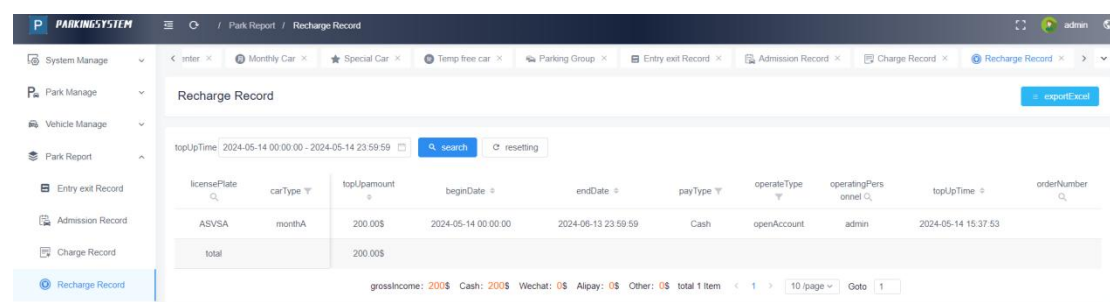
7.4 Details of charges

Enter the "charge details" to inquire about the entry and exit time of the vehicle and the fees and discounts incurred by the stay time of the vehicle.



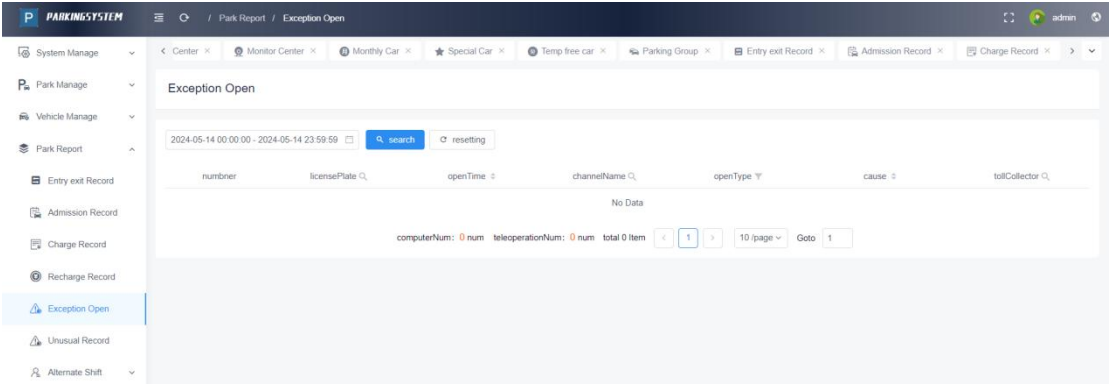
7.5 Recharge details

Enter the "recharge details" to check the monthly car rental issue time and issuance fee, etc.



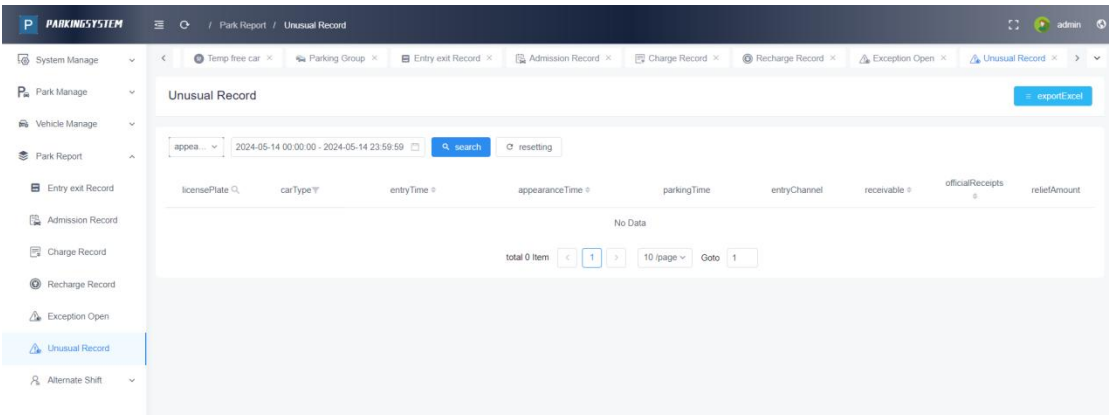
7.6 Abnormal gate opening record

Enter the "abnormal open query", you can query the record of the soft ware opening, or double-click the record to view the captured pictures; or find the corresponding information through fuzzy query;



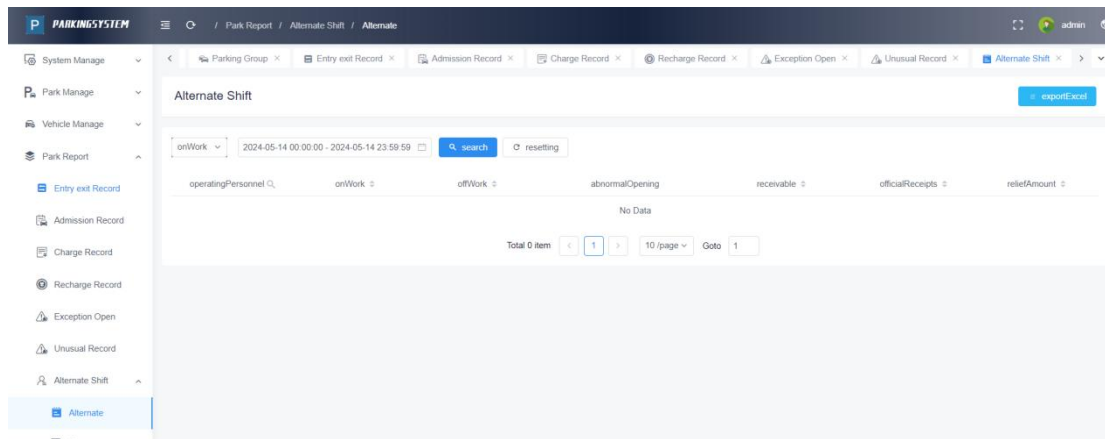
7.7 Charge abnormal record

Enter the "abnormal charge record" to record the car from the exit to the back or follow the car to evade the fee. You can also double-click the record to view the captured pictures; or find the corresponding information through fuzzy query;



7.8 Shift record

Enter the "shift record" to check the shift information of the call center operator and the amount received by the operator at work, etc.



7.9 Summary details

In the summary details, you can check the abnormal opening records and charges of each year.

