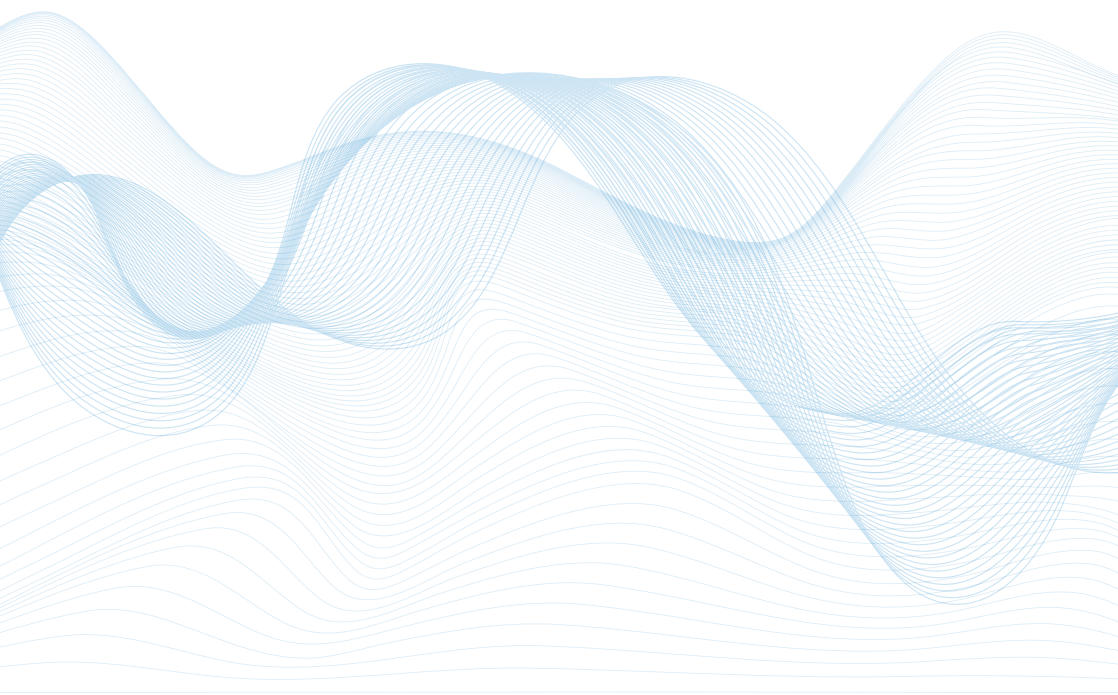


AccessPRO[®]

**UVSS GUARD
SOFTWARE MANUAL**



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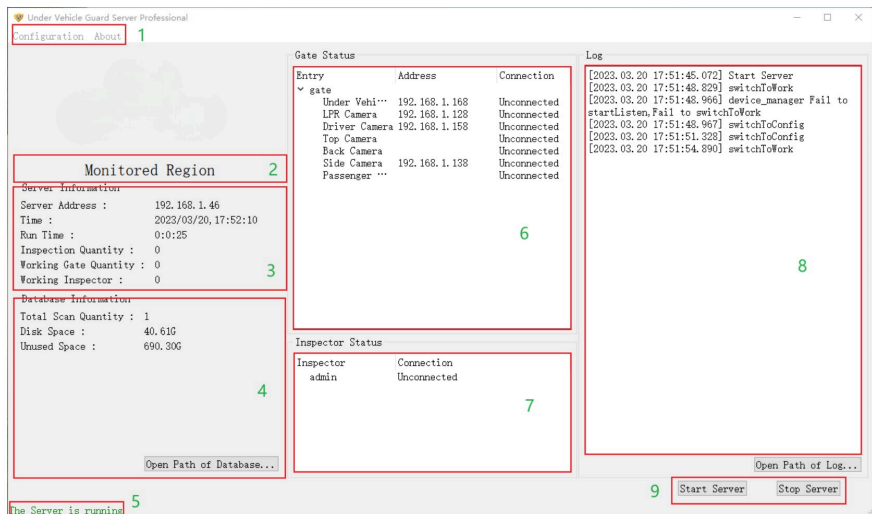
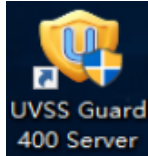
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Summary40

1. UVSS Guard Server GUI

UVSS Guard Server is part of the CS architecture of UVSS Guard professional software, which contains most configuration interface and hold database for whole system.

Open the server by double-clicking on the icon.



6.5.5 Fulfill

1. General configuration for server (Configuration button)

2. Name of Inspection Area

3. Server Information

- Server Address: Address used by the server (namely the native IP address)
- Inspection Quantity: Number of vehicle inspected after turn on Server
- Working Gate Quantity: Operating Gate counts
- Working Inspector: Inspectors currently logged onto the server

4. Database Information

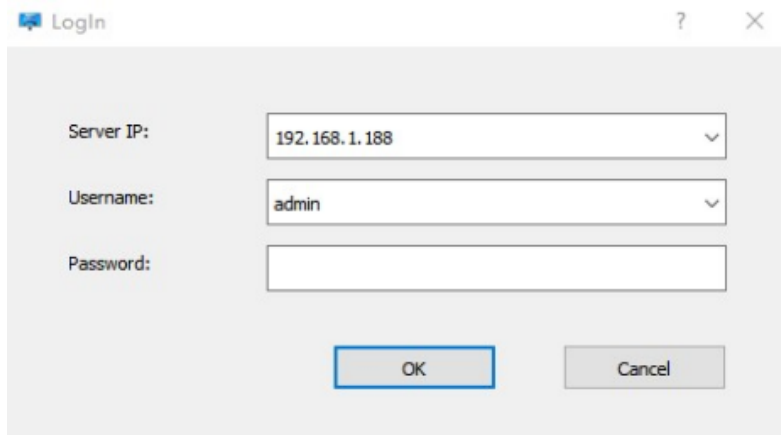
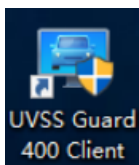
- Total Scan Quantity: Total amount of vehicles inspected after Server installation
- Disk Space: The amount of disk space used by the server data base
- Unused Space: The remaining amount of the disk space available on the server

1. Current Server Running Status
2. Gate Status
3. Inspector Status
4. Server Log
5. Server Operation

2. UVSS Guard Client GUI

UVSS Guard Client is part of the CS architecture of UVSS Guard professional software, which used by end user to access Under Vehicle Scanning Results, so have multiple display area for different information, such as carriage scan image, License Plate Reorganization result, Driver face, and some videos from side cameras.

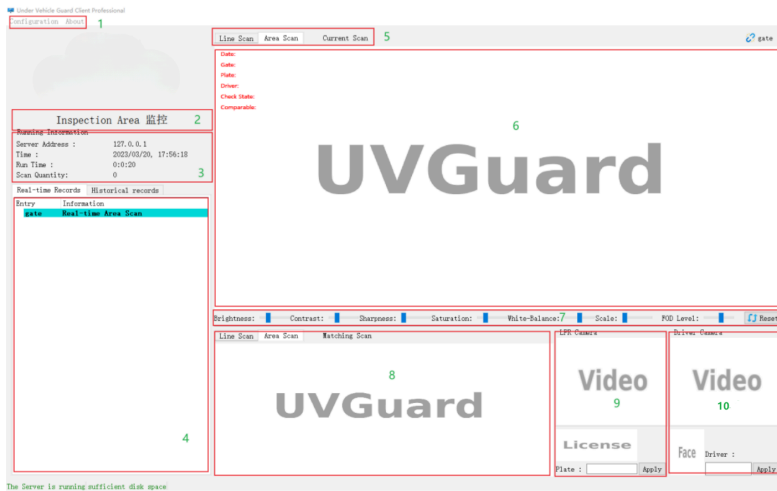
Before logging into the client, ensure that the server is properly configured and running; Double-click the icon to open the client and enter the login interface.

A screenshot of the UVSS Guard Client login window. The window has a title bar with a question mark and a close button. The main area contains three labels: "Server IP:", "Username:", and "Password:". Each label is followed by a text input field. The "Server IP" field contains the text "192.168.1.188" and has a small downward arrow on the right. The "Username" field contains the text "admin" and also has a small downward arrow on the right. The "Password" field is empty. At the bottom of the window, there are two buttons: "OK" and "Cancel".

Login instructions:

- Server IP: The IP can be viewed on the server, either manually input the IP in the IP bar or select an IP in the drop-down box; (the default IP of the server is 192.168.1.188)
- Username: Input the user name in the user name bar or select a user in the drop-down box(default user is admin)
- Password: Input the correct login password (the initial password is 123456)

Attention: The login user name and password need to be set advance on the server, please refer to the server manual for proper configuration

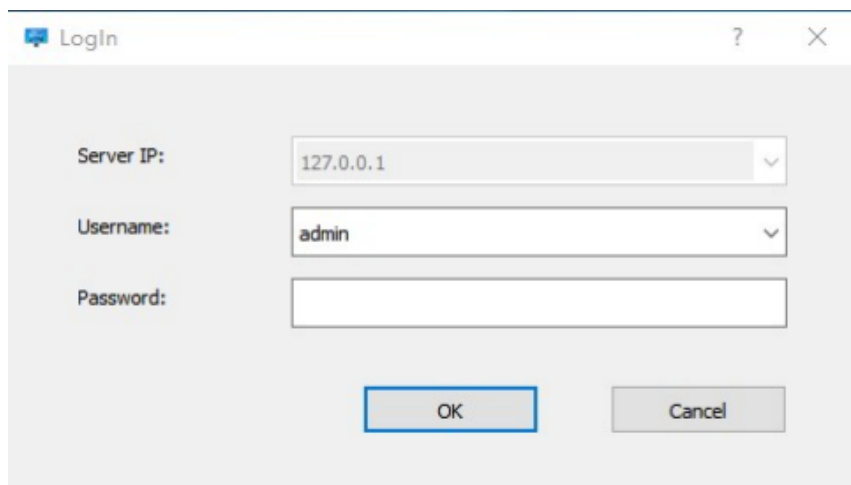
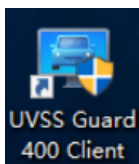


1. General configuration for client(Configuration button)
2. Name of Inspection Area
3. Running Information
 - Server Address: Address used by the server (namely the native IP address)
 - Scan Quantity: Number of inspected vehicles after client login to server
4. Inspected vehicle list
5. Line scan mode/Area scan mode switch
6. Current inspection image display
7. ISP adjust area
8. Matching inspection image display
 - From compare database, this image with a certain similarity to the current under vehicle inspection image. If this image is now shown up, please verify that there are similar under vehicle inspection images in the compare database.
9. LPR Camera display area
10. Driver Camera display area

3. UVSS Guard Unified GUI

UVSS Guard Unified Version integrates the server and the client together into single software. This Unified version used for standard working scenario, which only use single computer for database and user interface in close range to the Under Vehicle Scanner, such as Portable UVSS system.

Open UVSS Guard Unified by double-clicking the icon and enter the login interface.

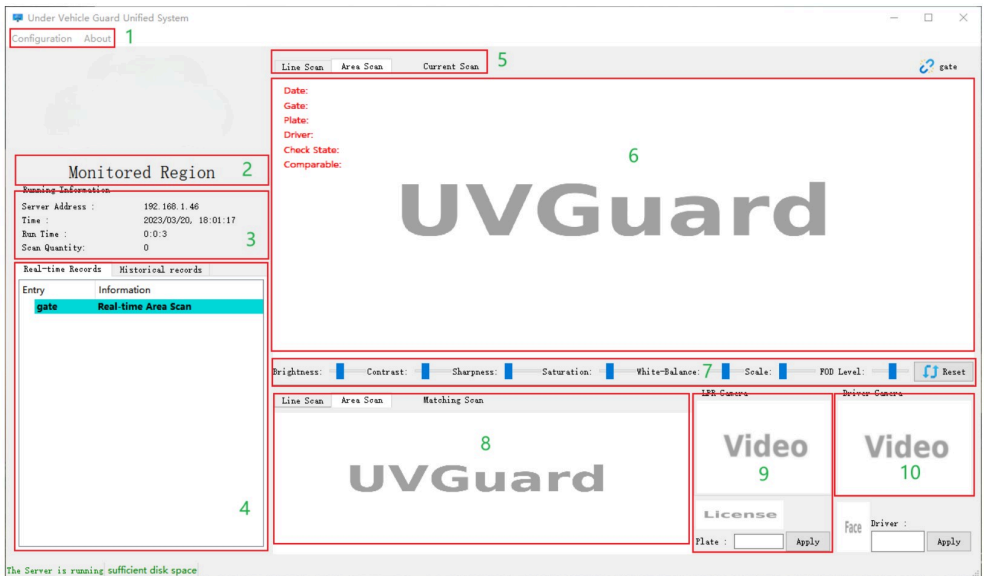
A screenshot of the UVSS Guard Unified Login window. The window has a title bar with a question mark and a close button. The main area contains three input fields: "Server IP:" with a dropdown menu showing "127.0.0.1", "Username:" with a dropdown menu showing "admin", and "Password:" with an empty text box. At the bottom, there are two buttons: "OK" and "Cancel".

Server IP:	127.0.0.1
Username:	admin
Password:	

OK Cancel

Login instructions:

- Server IP : The server IP address that is currently logged on.(Unified software no needs to input IP manually)
- Username : Input Username in Username bar or select a user in the drop-down box(default username is admin)
- Password: Input the correct login password (the initial password is 123456)



1. General configuration entry (Configuration button)
2. Name of Inspection Area
3. Running Information
 - Server Address: The IP address used by the server (namely the native IP address)
 - Scan Quantity: Number of inspected vehicles after login
4. Inspected vehicle list
5. Line scan mode/Area scan mode switch
6. Current inspection image display
7. ISP adjust area
8. Matching inspection image display
 - From compare database, this image with a certain similarity to the current under vehicle inspection image. If this image is now shown up, please verify that there are similar under vehicle inspection images in the compare database.
9. LPR Camera display area
10. Side Camera display area
11. Manual note input area

4. System Configuration

1. Introduction

This section mainly describes the normal configuration process of server and some related system configuration steps

2. Server IP settings

To use one computer as a server, follow these steps

Step 1: Check the local IP

- 1) Open a command window Window+ R -> Type 'cmd'
- 2) Type 'ipconfig' in command shell
- 3) Find the IPv4 address of the local network

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.17763.3050]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Admin>ipconfig

Windows IP Configuration

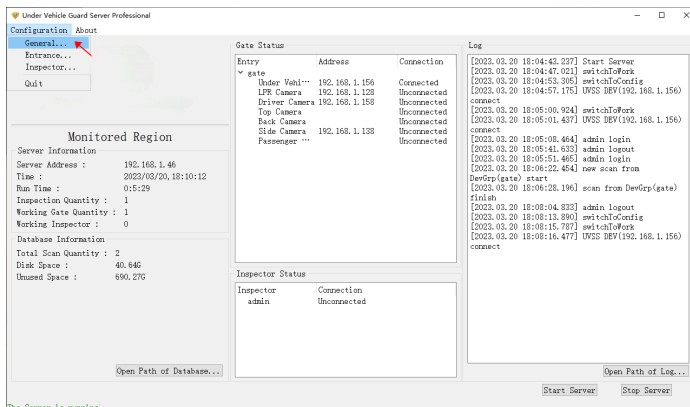
Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::24b0:e420:d476:dea7%5
    IPv4 Address. . . . . : 192.168.1.16
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

C:\Users\Admin>
```

Step 2: Apply the native IP address

- 1) Open General Configuration window Configuration -> General...

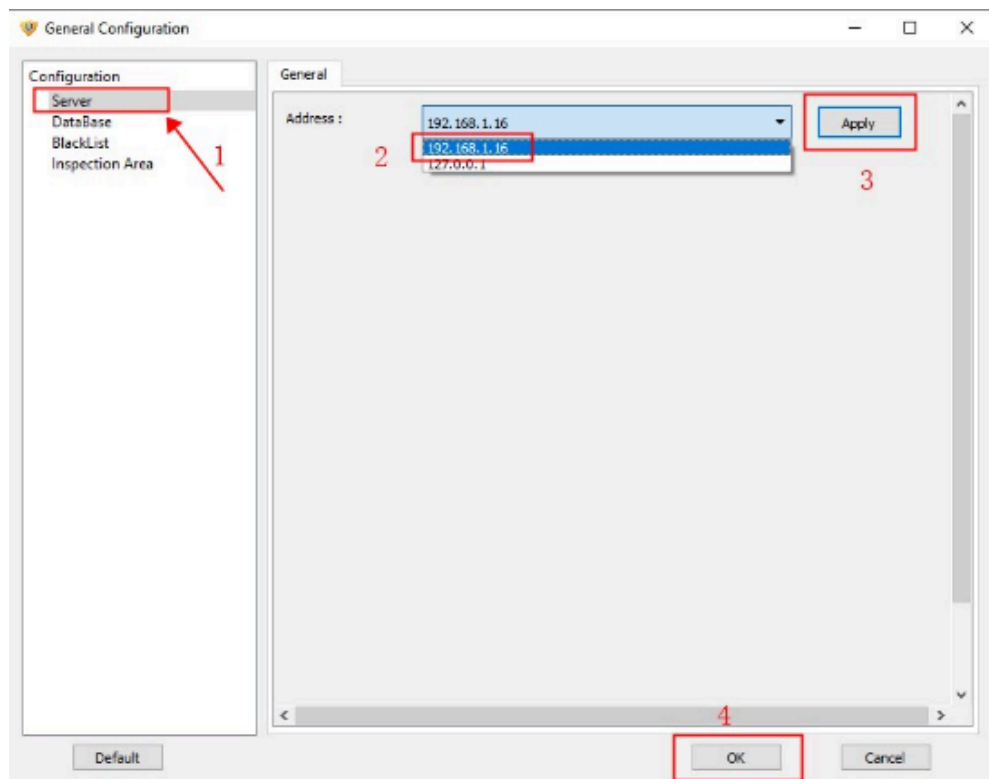


2) Select native IP

Click the drop-down button -> Select native IP -> Click 'Apply' -> Click 'OK'

The server IP configuration is done.

Attention : The open box IP address of the server is 192.168.1.188, if you select the wrong server IP, software will stop running.



3.Change Database path

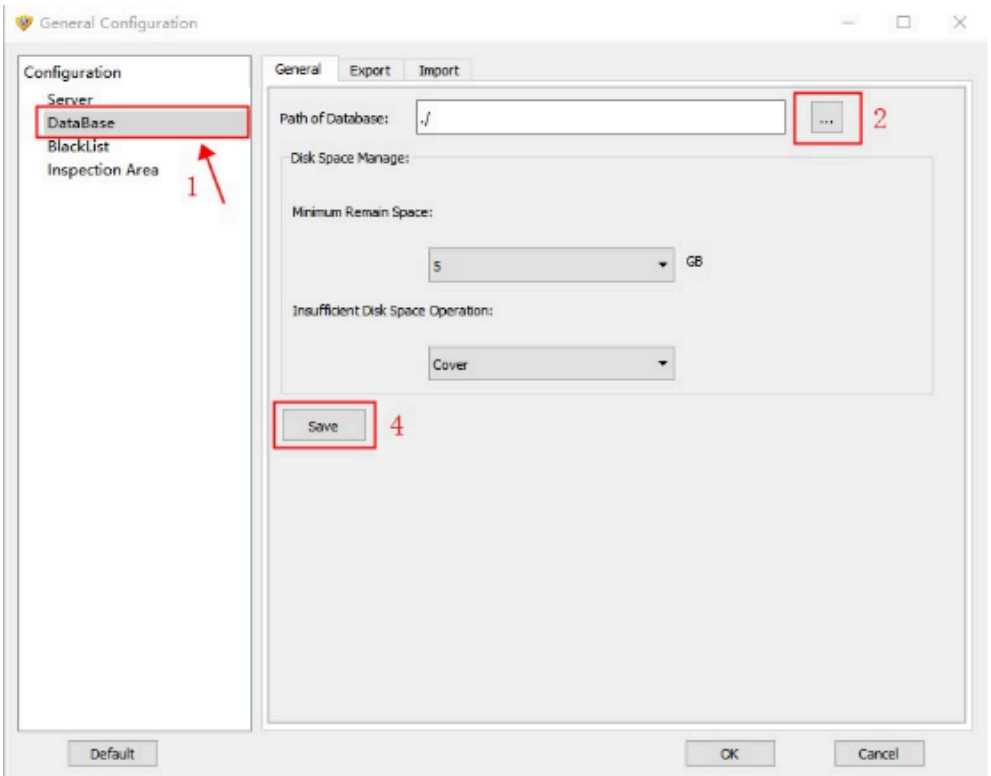
To use one computer as a server, follow these steps

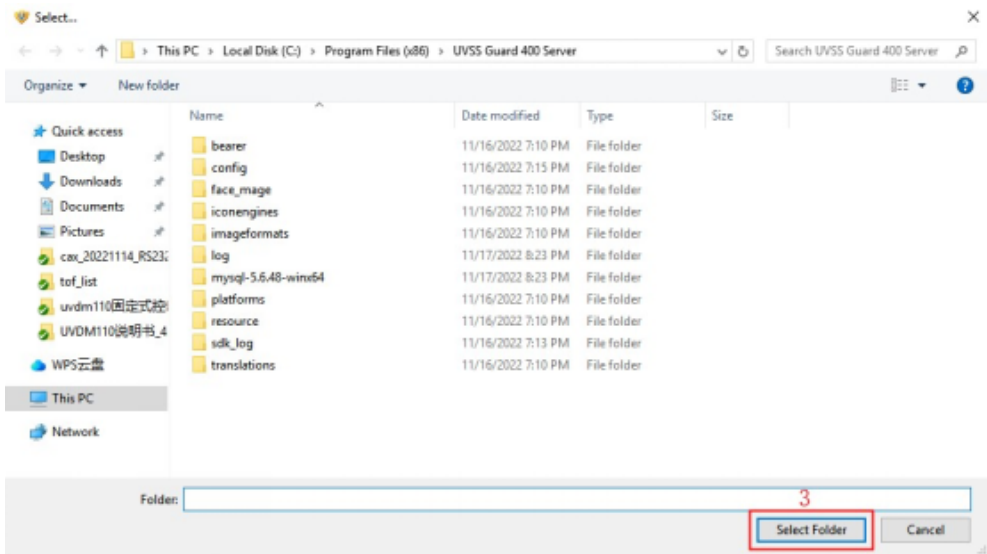
Step 1: Create the folder for the database storage

- 1) Under the path you want to store, right-click to create a new folder.
- 2) Database will use default folder if it's not been changed.

Step 2: Apply to use the created folder

- 1) Open General Configuration window
- 2) Select the folder
Click 'Database' -> Click the Select Path button '...' -> Select the created folder
Complete the change of the database path.
- 3) Save





4.Disk Space Manage

1) Minimum Remain Space

Click the drop-down menu-> Select the space size

The server automatically deletes some data when disk space below specified value.

2) Insufficient Disk Space Operation

Click the drop-down menu -> Select 'Cover' or 'Warning' -> Click 'Save'

Complete Disk space management settings.

Attention:

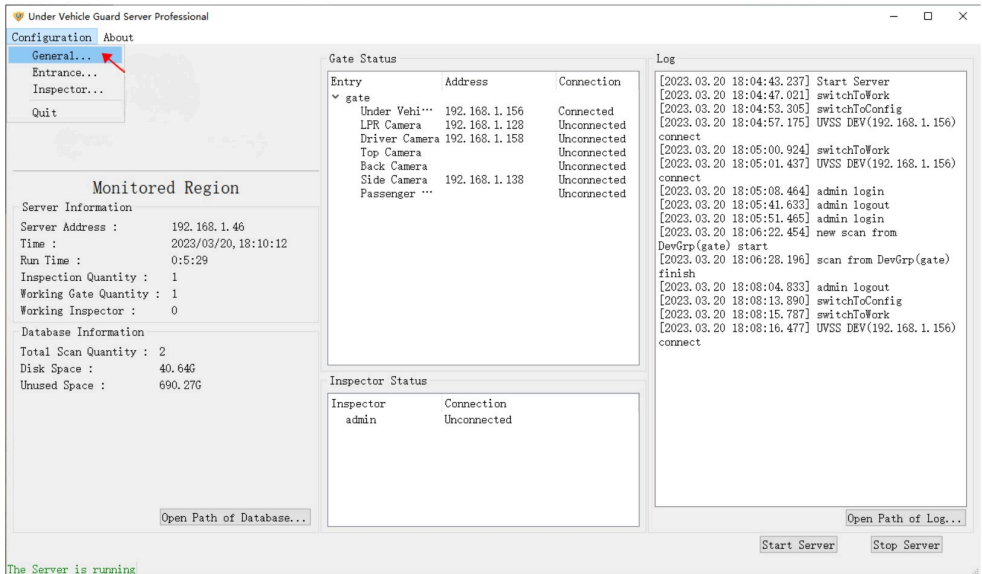
If you select 'Cover', when disk space is less than the minimum remaining space value, the server automatically overwrites the old data.

If you select 'Warning', when disk space is less than the minimum remaining space value, the server will pop up a warning window to inform user.

5.Rename Inspection Area

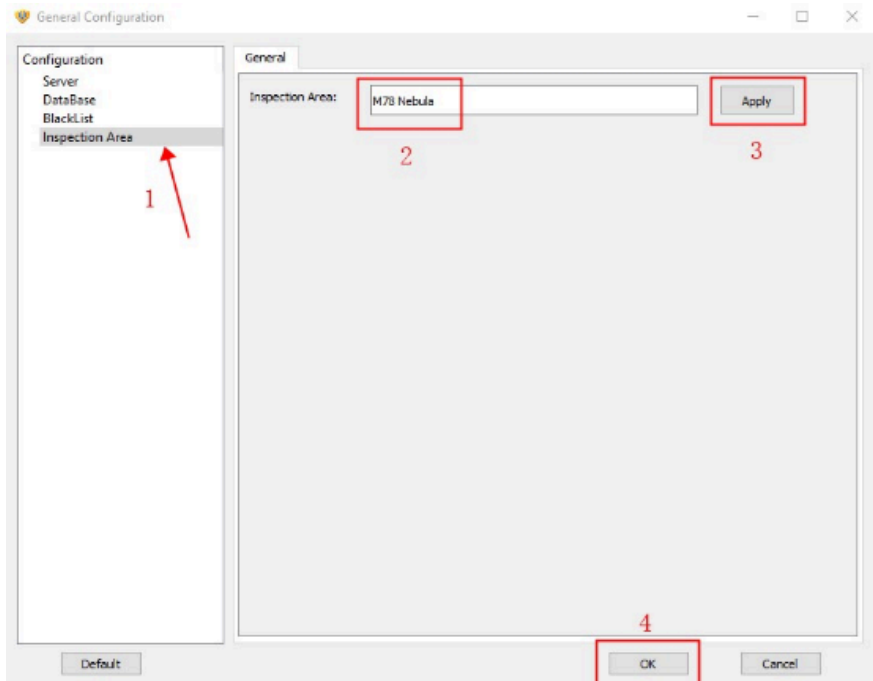
Step 1: Open General Configuration

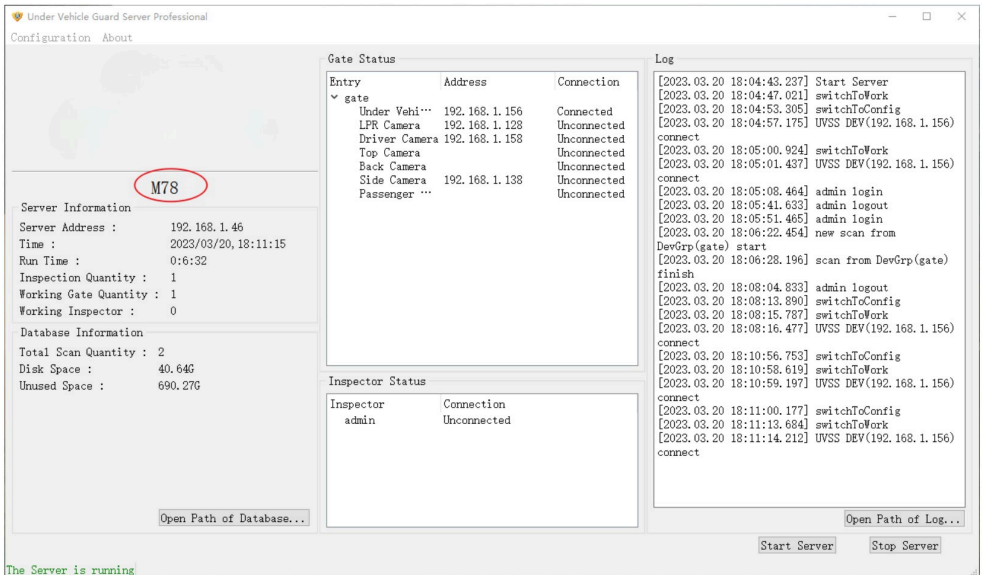
1) Click Configuration -> Select 'General...'



Step 2: Rename Inspection Area

Select 'Inspection Area' -> Input the name of Inspection Area that you want to modify -> Click 'Apply' -> Click 'OK'



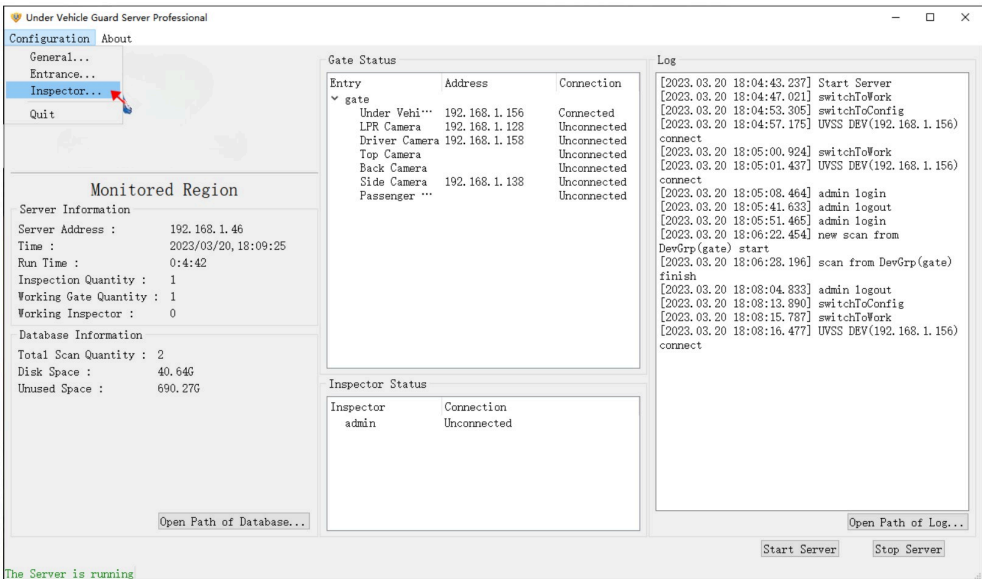


Complete rename of the Inspection Area.

6. New/Delete Inspector

Step 1: Open the Inspector configuration

1) Click Configuration -> Select 'Inspector...'

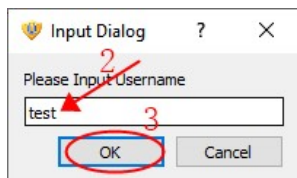
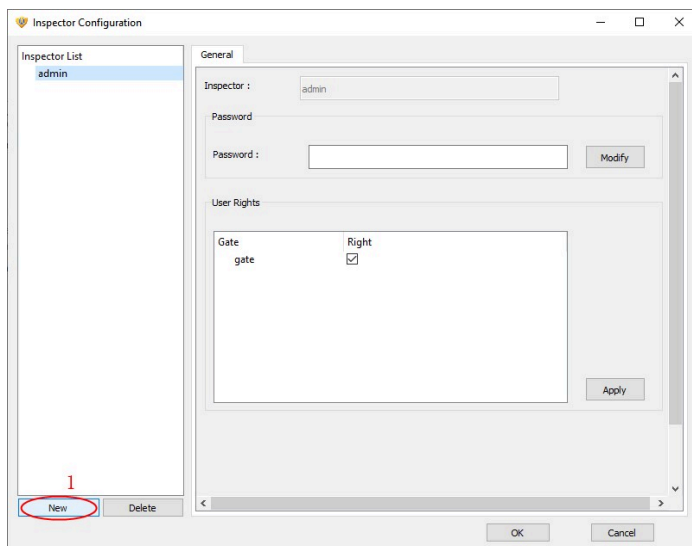


Step 2: New/Delete

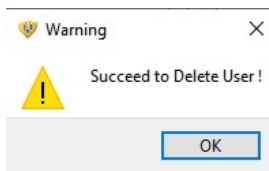
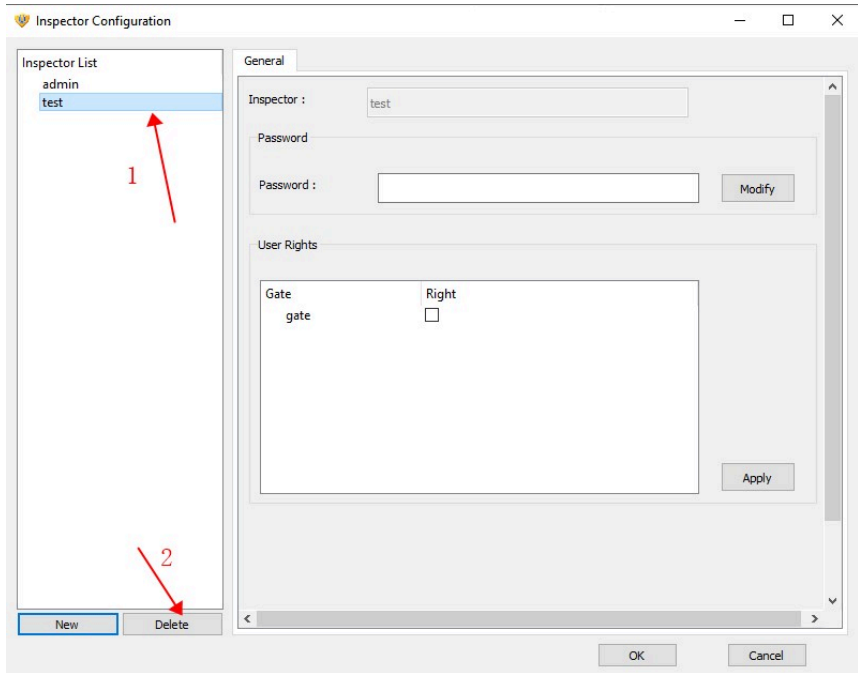
1) Click 'New' -> Input Username -> Click 'OK'

Complete the new inspector creation.

Attention: The default password for the new user is 123456.



2)If want to delete oneinspector,just select the inspector and click 'Delete'.



7. Modify the inspector's password

Step 1: Open Inspector configuration

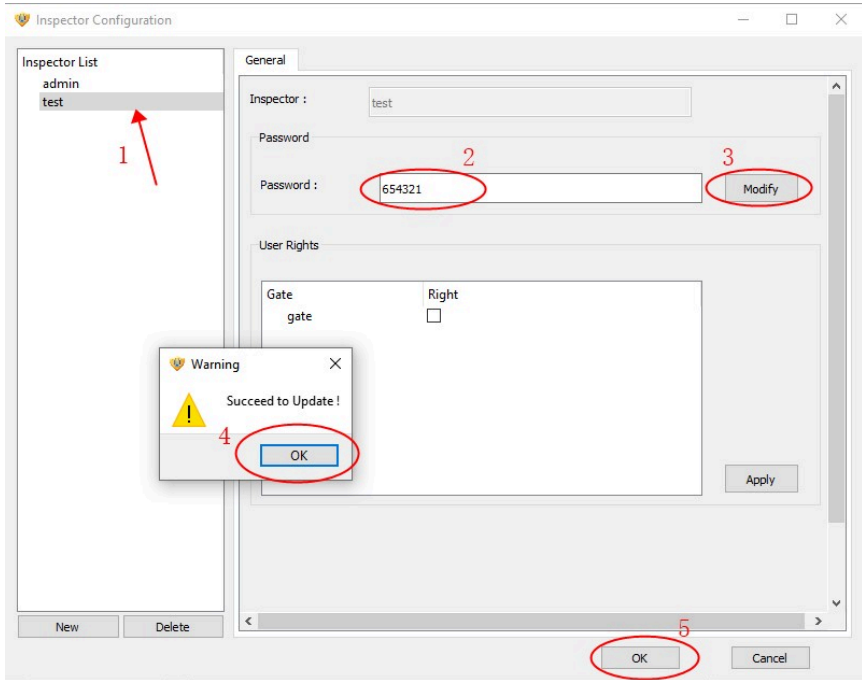
1) Click Configuration -> Select 'Inspector...'

Step 2: Input new password

1) Select the Inspector who need to change the password -> Input new password -> Click 'Modify'

2) Click 'OK'

Complete Inspector's password modification.



8. Inspector User Rights configuration

Step 1: Open Inspector configuration

1) Click 'Configuration' -> Select 'Inspector...'

Step 2: User Rights configuration

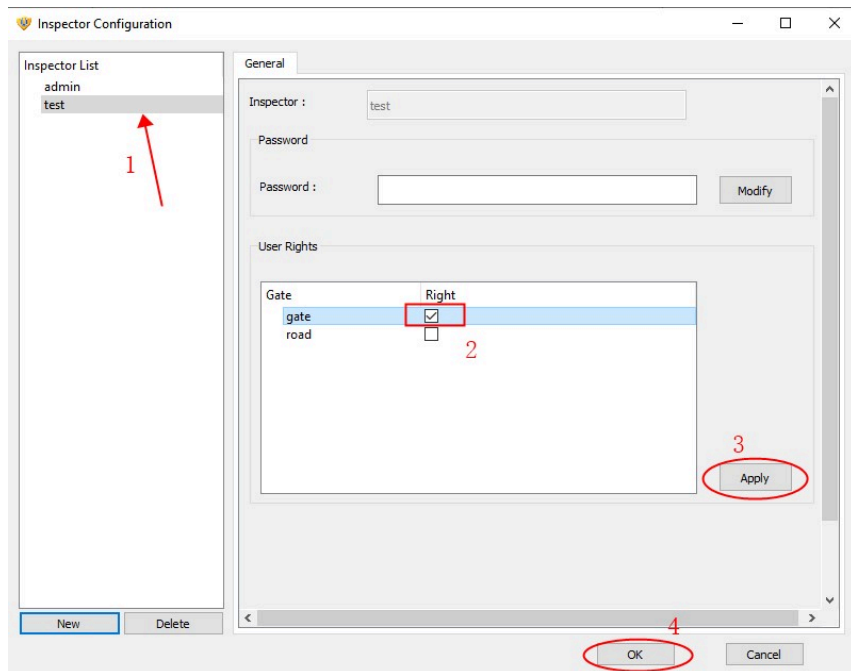
1) Select the Inspector that need to configure

2) Locate the User Rights window

3) Check the gate that you want to provide control right -> Click 'Apply'

4) Click 'OK'

Complete User Rights configuration.



5. Gate Configuration

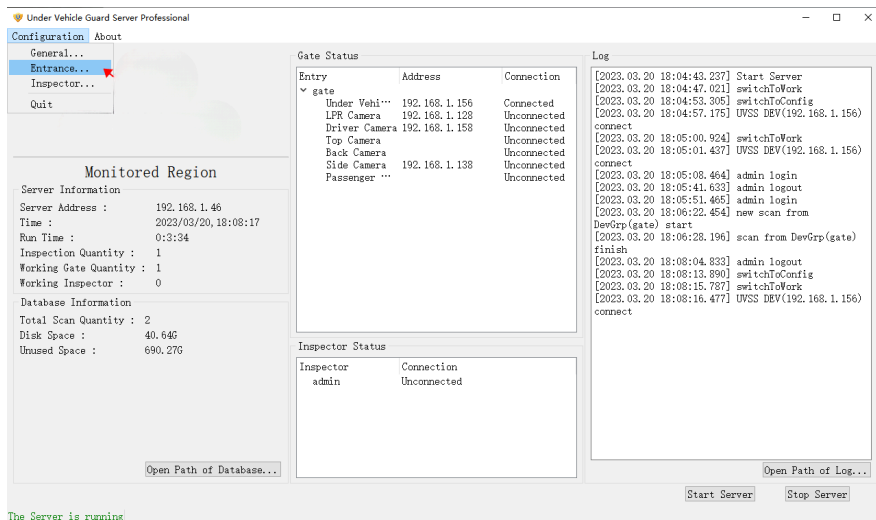
1. Introduction

1) This item mainly introduces the operation steps of the gate configuration.

2. New / Delete Gate

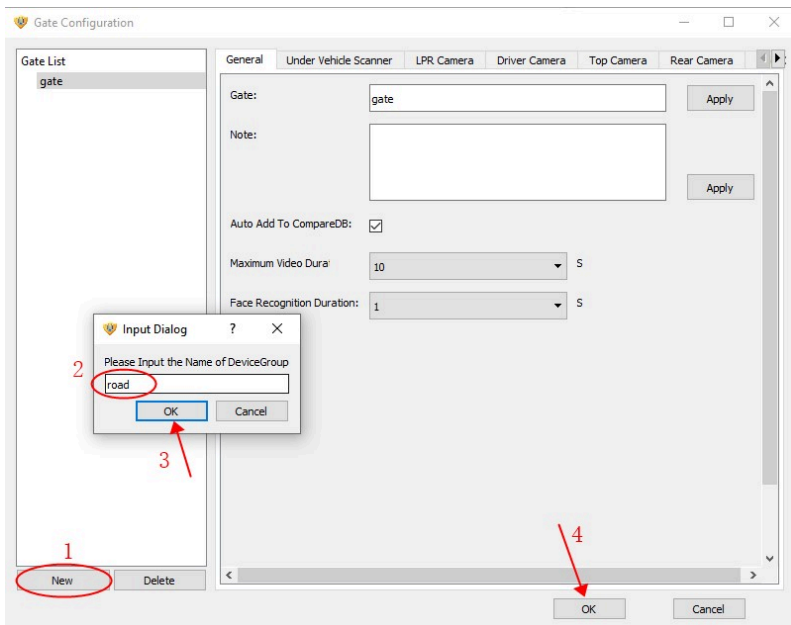
Step 1: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...'



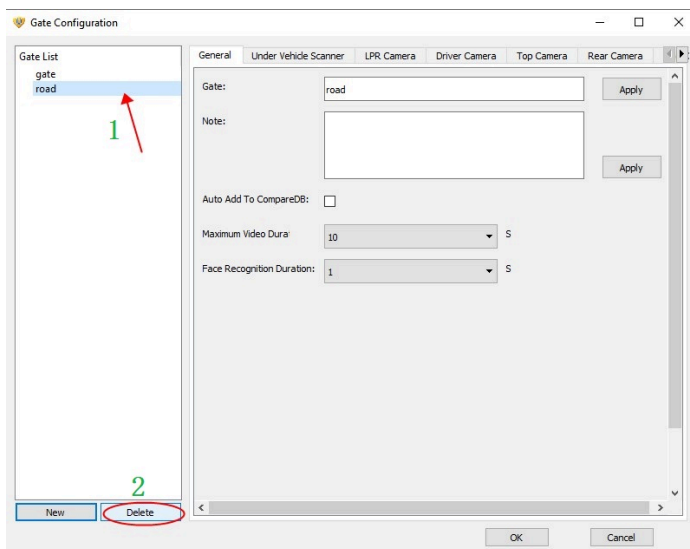
Step 2: New / Delete

1) Click 'New' -> Input gate name -> Click 'OK'



After add new gate completes, you can choose whether scan image of selected Gate add to CompareDB by default or not, also can change the Maximum video Duration, Face Recognition Duration and other parameters.

2) If need to delete, select gate that you want to delete, and click 'Delete'.





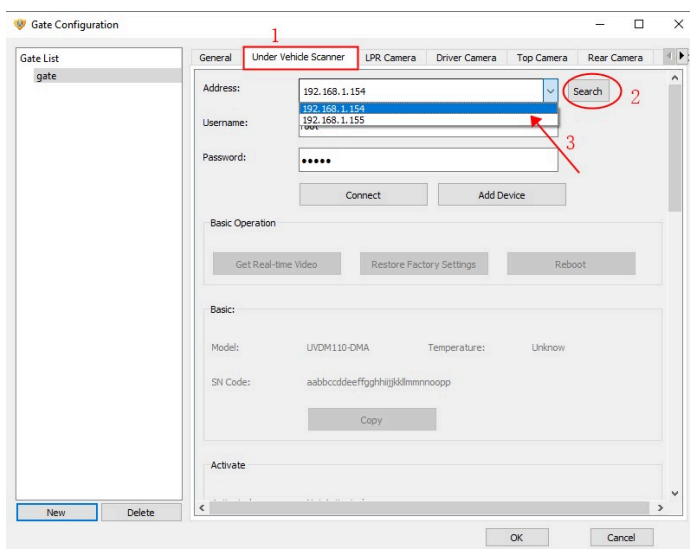
3. UV300-F Configuration

Step 1: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...'

Step 2: Select UV300-F Address

1) Click 'Under Vehicle Scanner' -> Click 'Search' -> From the drop-down list, select UV300-F device IP address



Attention: The default Address of UV300-F is 192.168.1.168

Step 3: Connect UV300-F

1) Input Username

Attention: The factory default Username is 'root'

2) Input Password

Attention: The factory default Password is 'admin'

3) Click Connect

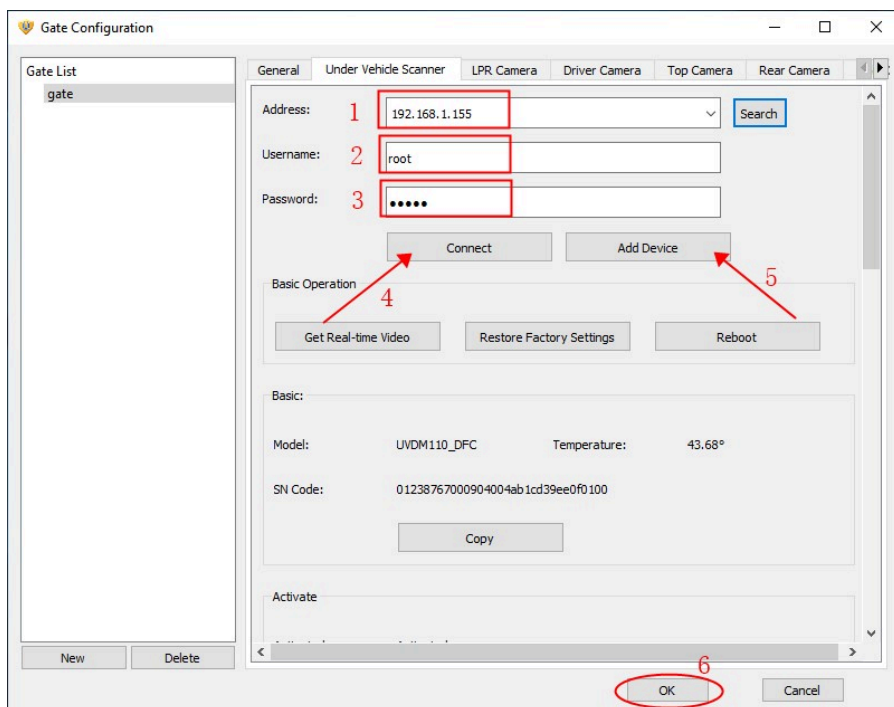
If prompt "Connect to UVSS Device, please wait to get information", the connection is succeed, otherwise means connection is fail.

4) Click Add Device

Complete UV300-F basic configuration.

After UV300-F is successfully connected, you can perform basic operations on UV300-F.

- Get Rel-time Video: View UV300-F real-time images.
- Restore Factory Settings: Return all the parameters of UV300-F to the factory state.
- Reboot: UV300-F will turn off and restart.



4. LPR Camera Configuration

Step 1: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...' -> Click 'LPR Camera'

Step 2: Connect LPR Camera

- 1) Input LPR camera Address
- 2) Input LPR camera Username
- 3) Input LPR camera Password
- 4) Select Device Type

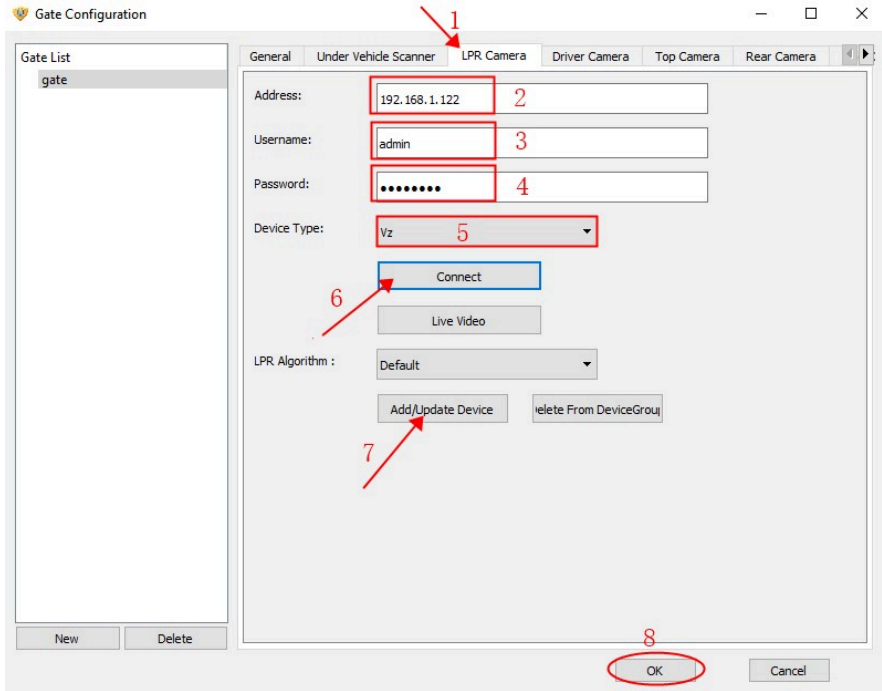
- Click the pull-down button to select the corresponding LPR manufacturer. If not sure about the LPR manufacturer, please choose Default, or contact FAE for support.
- 5) Click Connect

If prompt "Succeed to connect to LPR Camera ! ", the connection is successful. Otherwise means connection failed.

- 6) Click Add/Update Device

Complete LPR camera basic configuration. After LPR is successfully connected, you can perform basic operations on LPR.

- Live Video: View LPR camera real-time images.
- LPR Algorithm: Just Default.
- Delete From DeviceGroup: If need to delete the current camera, click this button to clear the LPR camera information.



5. Other Camera Configurations (Driver/Top/Rear/Side/Passenger)

Step 1: Open Gate Configuration

- 1) Click 'Configuration' -> Select 'Entrance...' -> Click 'XXX Camera'

Step 2: Connect Camera

- 1) Input Camera Address
- 2) Input Camera Username
- 3) Input Camera Password
- 4) Select Device Type

Click the pull-down button to select the corresponding Camera manufacturer. If not sure about Camera manufacturer, please choose Default or contact FAE for support.

- 5) Click Connect

If prompt "Succeed to connect to camera! ", the connection is successful. Otherwise means connection failed.

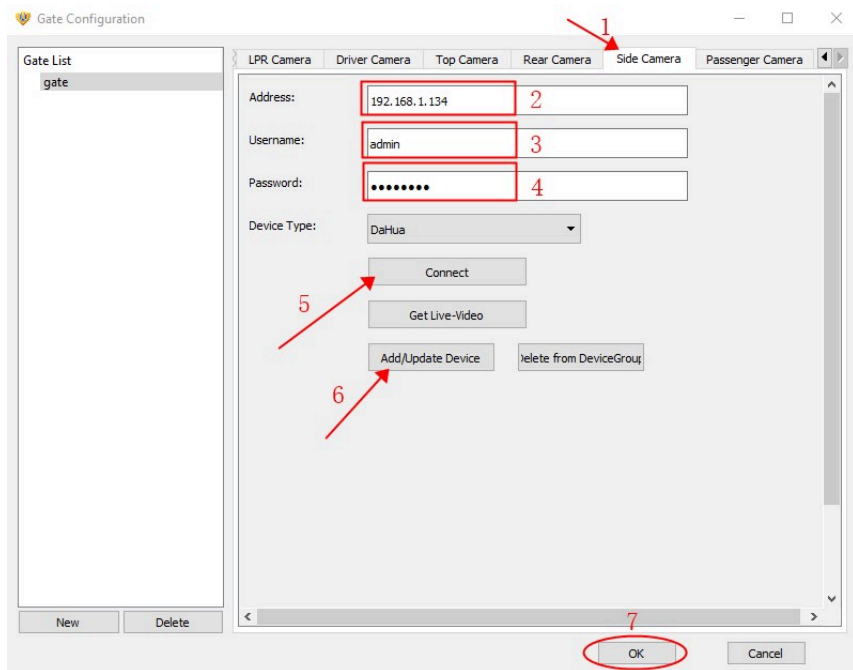
- 6) Click Add/Update Device

Complete Camera basic configuration.

After Camera is successfully connected, you can perform basic operations on Camera.

Get Live-Video: View LPR camera real-time images.

Delete from DeviceGroup: If need to delete the current camera, click this button to clear the LPR camera information.



6. Under Vehicle Scanner Trigger settings

Step 1: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...'

Step 2: Connect/Update device information

If Under Vehicle Scanner was configured before, just click 'Connect'; otherwise refer to section V.3 to setup connection to Under Vehicle Scanner.

Step 3: Select Trigger parameter

Maximum Infrared Trigger Distance : Click the drop-down button to select the maximum trigger distance

Attention: Maximum Infrared Trigger Distance indicates the height of UV300-F from the vehicle chassis. Generally, should choose the value 100-120 for high chassis vehicles, and choose the value 60-80 for sedan, and the other special vehicles should adjust the value accordingly.

Built-in Infrared Trigger: Check to indicate enable Built-in Infrared Trigger.

External Vehicle Detector: Check to indicate enable External Vehicle Detector. (External Vehicle Detector includes Loop Sensor Detector, Radar Vehicle Detector, etc.).

Step 4: Save modification

1) Click Submit -> Click OK

Complete Trigger setting

7. UV300-F IP modification

Step 1: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...'

Step 2: Connect/Update UV300-F information

If Under Vehicle Scanner was configured before, just click 'Connect'; otherwise refer to section V.3 to setup connection to Under Vehicle Scanner.

Step 3: Modify IP

1) Roll down for 'Network' area

2) Input the new IP address

Attention : The new IP address cannot be the same as the existing IP address. Ensure that the server IP address and the UV300-F IP address are in the same network segment. The default gateway is 192.168.1.1 and the default mask is 255.255.255.0. (For example, 192.168.1.155 and 192.168.1.61 are on the same network segment. For example, 192.168.2.5 and 192.168.1.5 are on different network segments)

Step 4: Save modification

1) Click 'Submit' -> Click 'OK'

After changing the IP address, you do not need to restart the UV300-F. You only need to select the new IP address of UV300-F and Add Device.

Complete IP modifications.

6. Export/Import

1. Introduction

This item mainly introduces the operation steps of the gate configuration.

2. Database Export

Step 1: Open General Configuration

1) Click 'Configuration' -> Select 'General...'

Step 2: Export

1) Click 'DataBase' -> Click 'Export'

2) Select the Start Time and End Time for the export

3) Select the type of DataBase to export

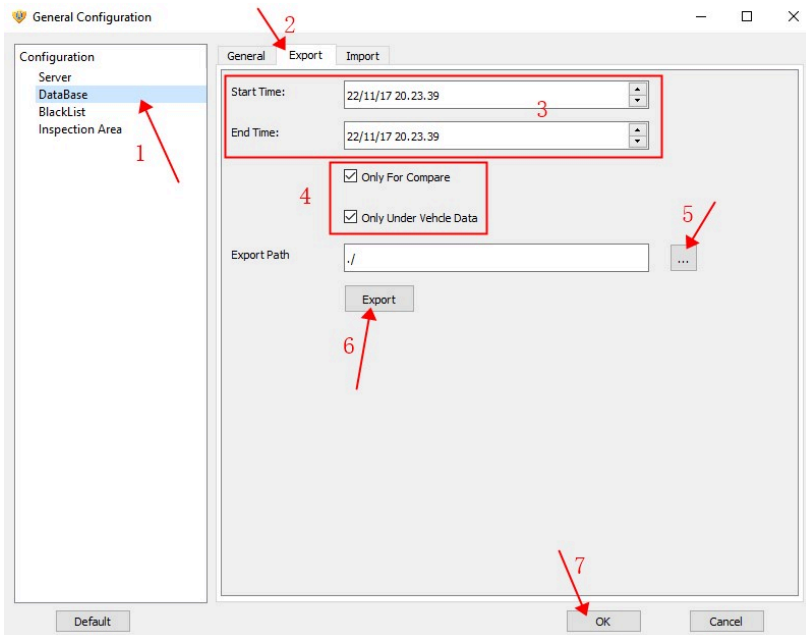
Check 'Only For Compare', indicates that the exported data is only used for FOD compare algorithm.

Check 'Only Under Vehicle Data', indicates that the exported data only contain under vehicle image information.

4) Select Export Path

5) Click 'Export'

Complete DataBase Export



3. DataBase Import

Step 1: Open General Configuration

1) Click 'Configuration' -> Select 'General...'

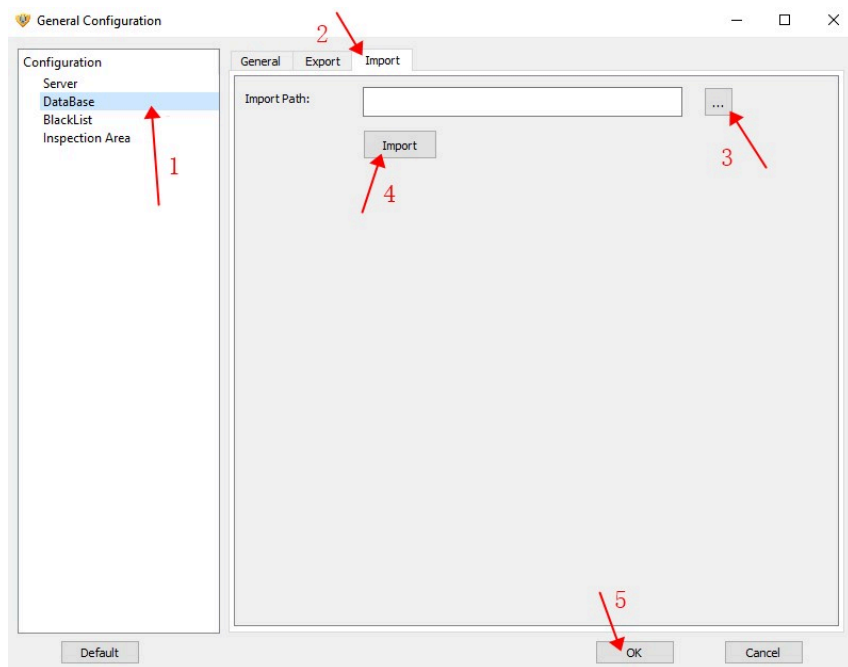
Step 2: Import

1) Click 'DataBase' -> Click 'Import'

2) Select the path of DataBase package for import

3) Click 'Import'

Complete DataBase Import.



4. Daily Report Export (Same for Weekly Report, Monthly Report, Search Report)

Step 1: Open Client

Step 2: Historical records Export

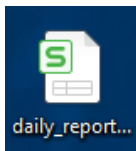
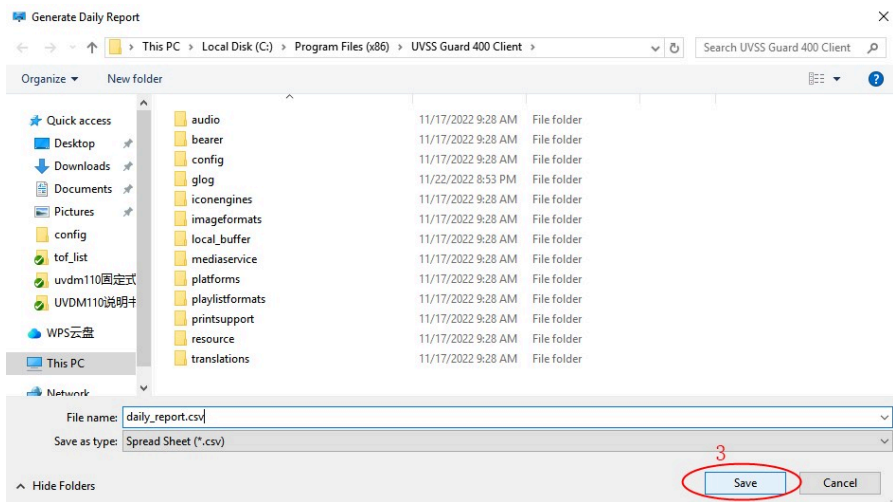
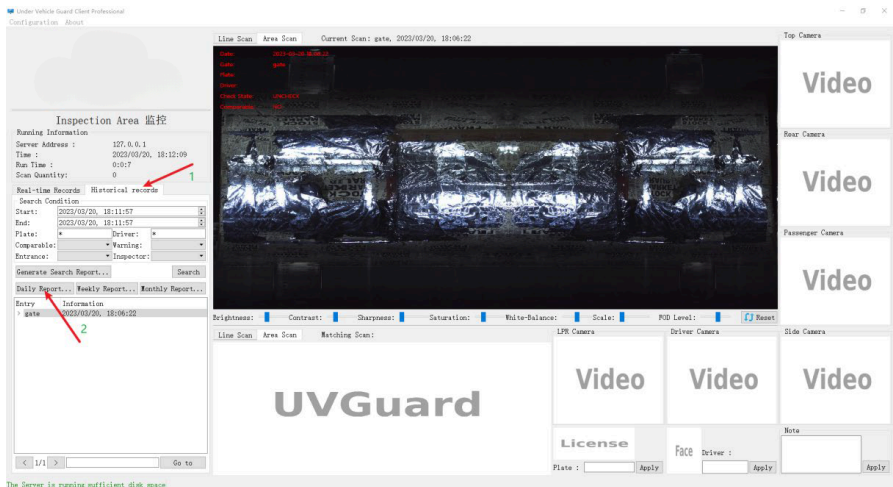
1) Click 'Historical records'

2) Click 'Daily Report'

3) Select the storage path for the Daily Report Export

4) Click 'OK'

Complete Daily Report Export .



5. Plate License BlackList Import (The same goes for Plate License WhiteList)

Step 1: Open Server

Step 2: Open General Configuration

1) Click 'Configuration' -> Select 'General...'

Step 3: Import Plate License BlackList

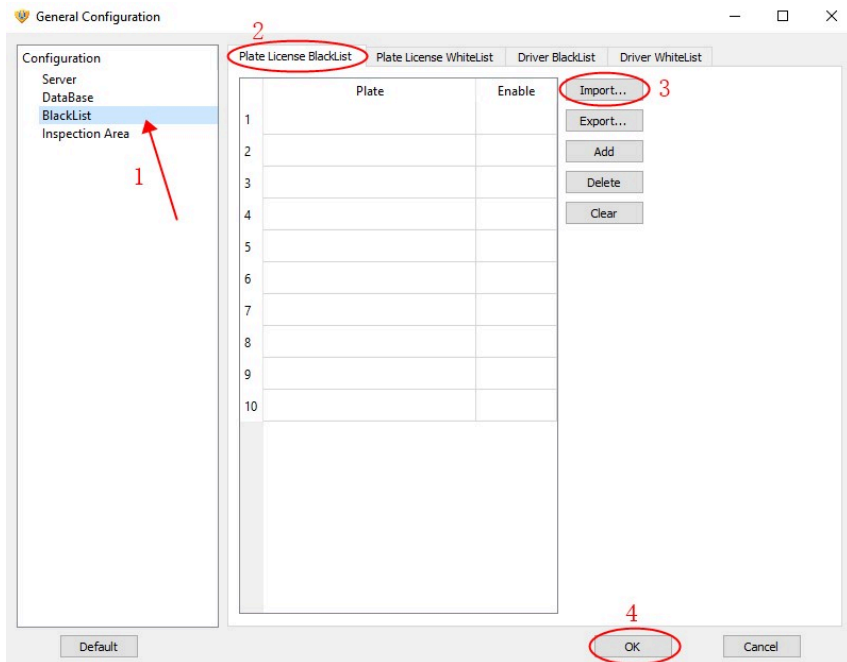
1) Click 'BlackList'

2) Select Plate License BlackList

3) Select Import path

4) Click 'OK'

Complete Plate License BlackList Import.



6. Plate License BlackList Export (The same goes for Plate License WhiteList)

Step 1: Open Server

Step 2: Open General Configuration

1) Click 'Configuration' -> Select 'General...'

Step 3: Export Plate License BlackList

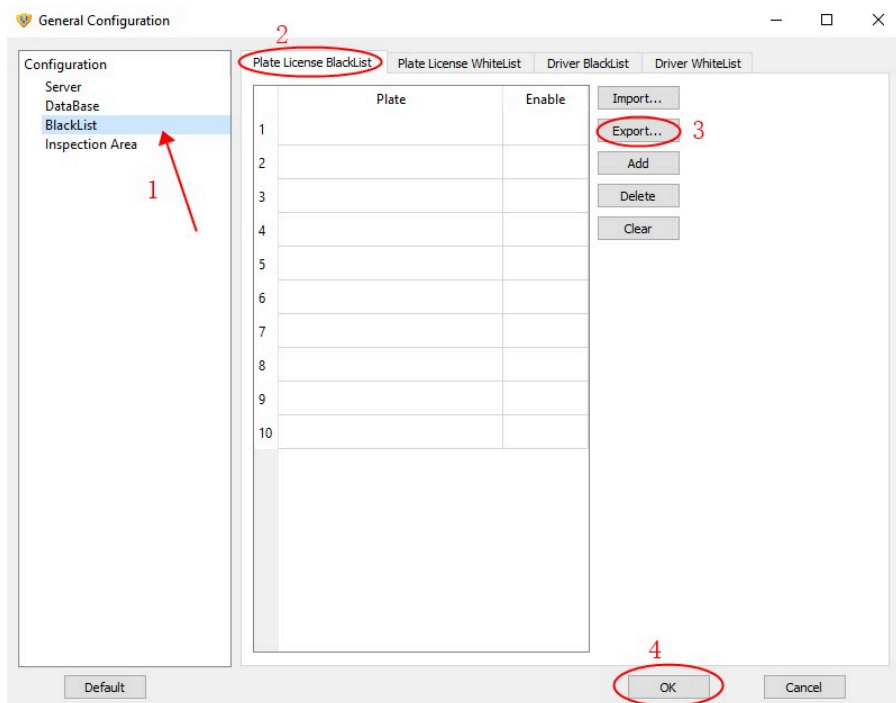
1) Click 'BlackList'

2) Select Plate License BlackList

3) Select Export path

4) Click 'OK'

Complete Plate License BlackList Export.



6. Activation

1. Introduction

This section mainly describes the basic operation steps related to activation.

2. FOD Activation

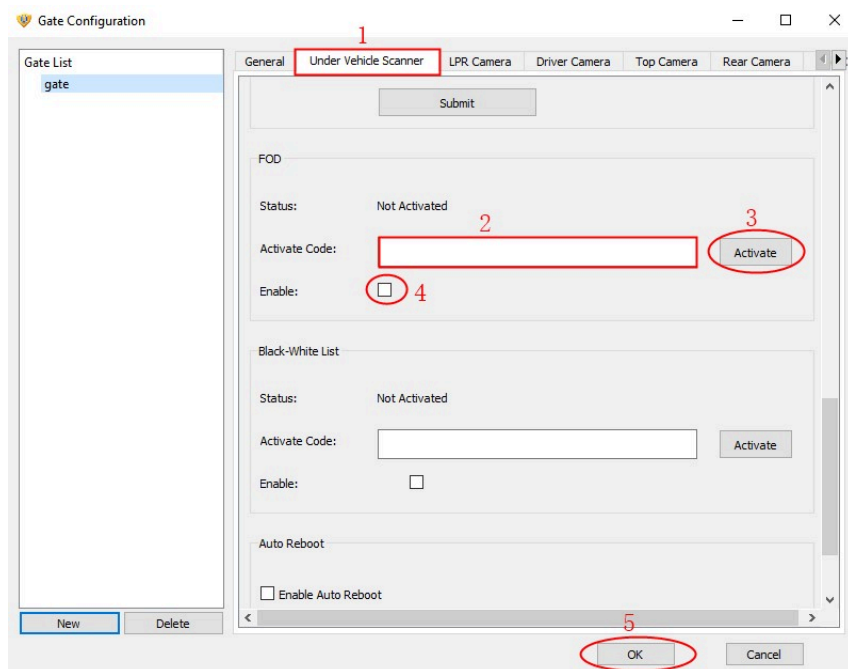
Step 1: Open Server

Step 2: Open Gate Configuration

1) Click 'Configuration' -> Select 'Entrance...'

Step 3: Connect/Update Information

If Under Vehicle Scanner was configured before, just click 'Connect'; otherwise refer to section V.3 to setup connection to Under Vehicle Scanner.



Step 4: Activate FOD

1) Select 'Under Vehicle Scanner'

2) Roll down to find out the FOD parameter information

3) Input Activate Code

Attention: Activation Code is only provided by our company

- 4) Click 'Activate'
- 5) Check 'Enable'

Step 5: Save modification

3. Black-White List Activate

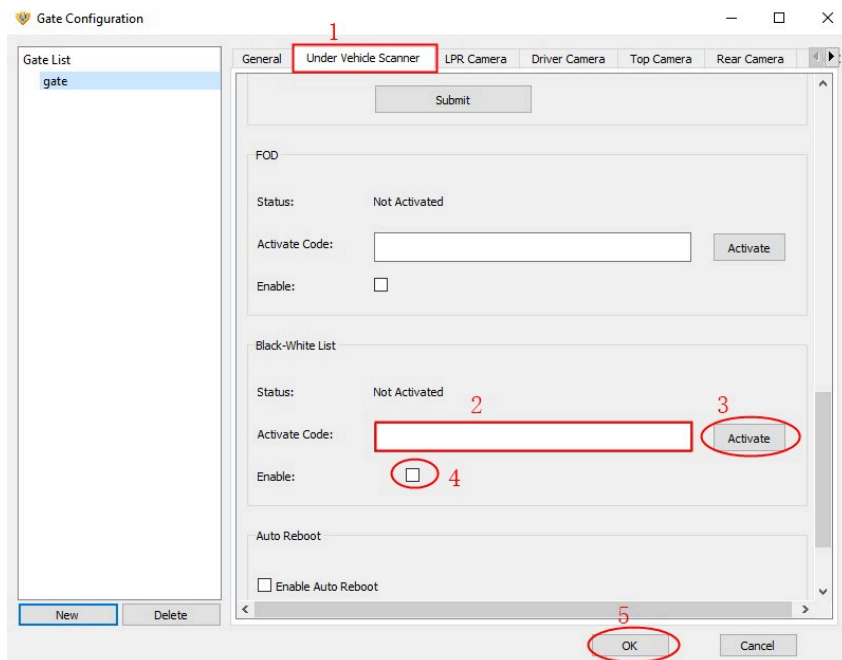
Step 1: Open Server

Step 2: Open Gate Configuration

- 1) Click 'Configuration' -> Select 'Entrance...'

Step 3: Connect/Update Information

If Under Vehicle Scanner was configured before, just click 'Connect'; otherwise refer to section V.3 to setup connection to Under Vehicle Scanner.



Step 4: Activate Black-White List

- 1) Select 'Under Vehicle Scanner'
- 2) Roll down to find out the Black-White List parameter information

3) Input Activate Code

Attention: Activation Code is only provided by our company

4) Click 'Activate'

5) Check 'Enable'

Step 5: Save modification

6. Blacklist Configuration and Use

1. Introduction

This topic describes the basic configuration and usage of Blacklist.

2. Add/Delete Plate License Blacklist (The same goes for Plate License White List)

Step 1: Open Server

Step 2: Open General Configuration

1) Click 'Configuration' -> Select 'General...'

Step 3: Add Blacklist

1) Click 'BlakeList'

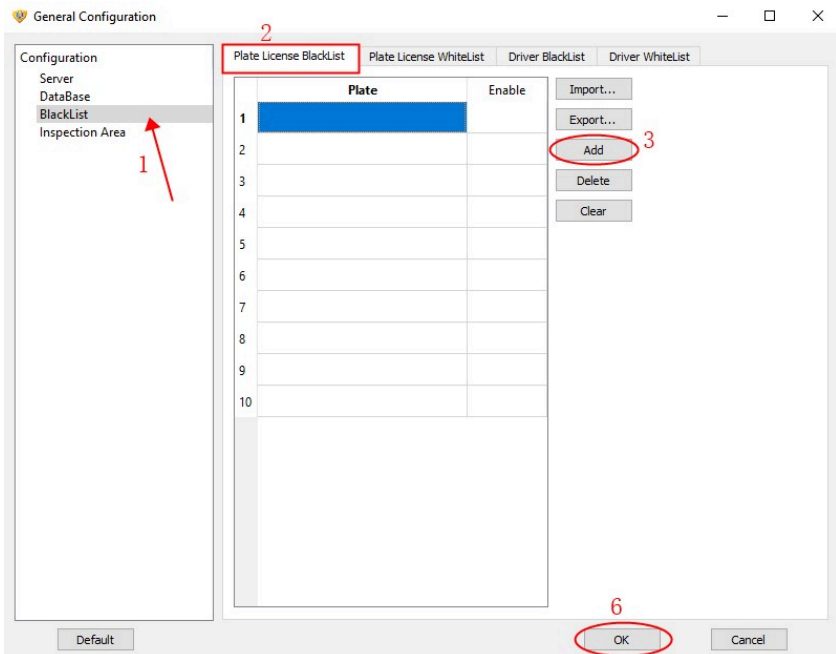
2) Select 'Plate License BlakeList'

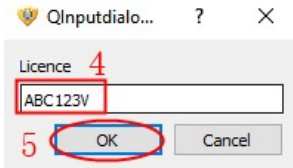
3) Click 'Add'

4) Input License -> Click 'OK'

Complete Add Plate License BlackList.

Instruction: Tick box used to select whether to enable the corresponding license plate. If need to delete, select one license plate and click 'Delete'. 'Clear' means clear all the license plate.





3. Add/Delete Driver BlackList (The same goes for Driver WhiteList)

Step 1: Open Server

Step 2: Open General Configuration

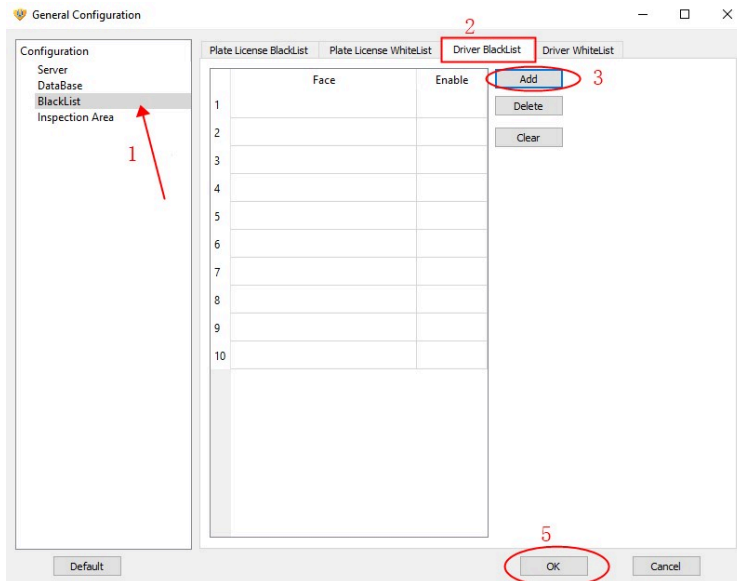
1) Click 'Configuration' -> Select 'General...'

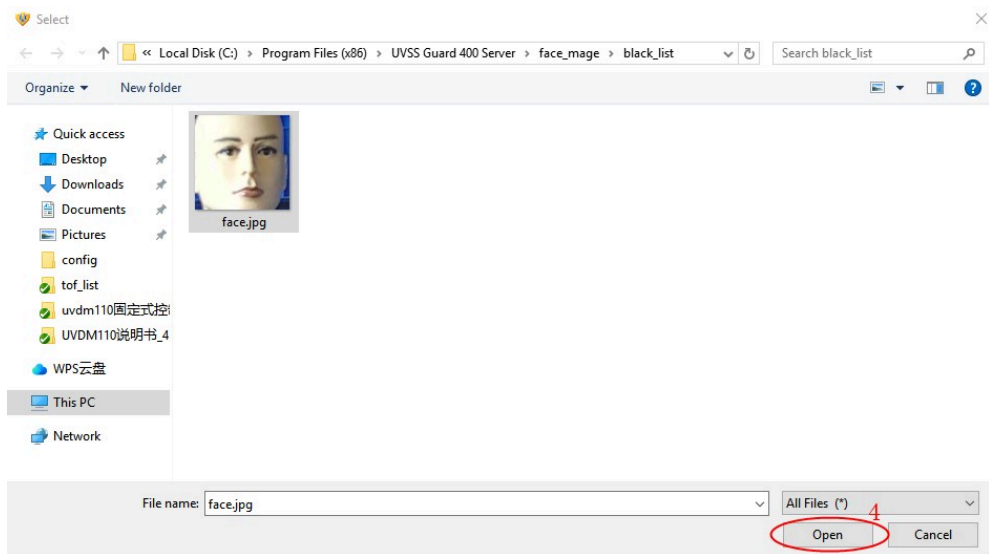
Step 3: Add Blacklist

- 1) Click 'BlakeList'
- 2) Select 'Driver BlakeList'
- 3) Click 'Add'
- 4) Select the Driver picture path -> Click 'Open'
- 5) Click 'OK'

Complete Add Driver BlackList.

Instruction : If need to delete, select one Driver that needs to delete and click 'Delete'.
'Clear' means clear all the Drivers.





7. Historical Search and Review

1. Instruction

This section describes how to search for and review historical records.

2. Historical Record Search

Step 1: Open Client

Step 2: Set Search Condition

Start: Fill in the box for the start time of the required historical record

End: Fill in the box for the end time of the required historical record

Plate: Choose to find records according to the license plate and input the license plate number in the box

Driver: Choose to find records according to the driver's information and input the driver's information in the box

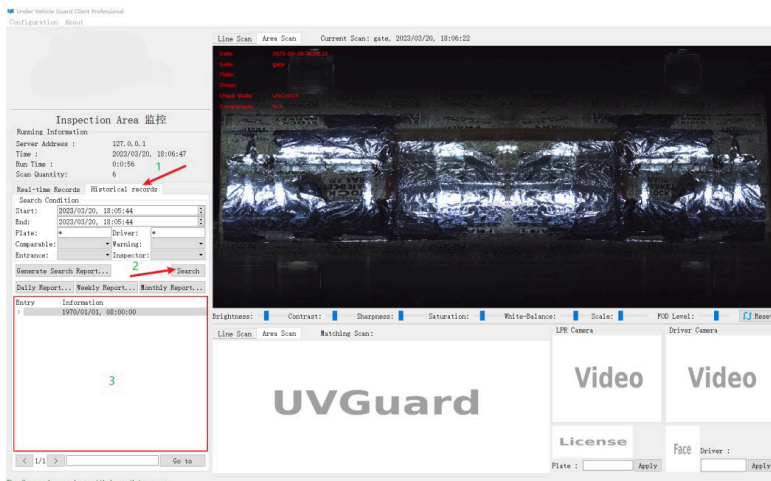
Comparable: Click the drop-down menu to select Yes or No, indicate if search for records in CompareDB

Warning: Click the drop-down menu to select "All" or have a warning type of "FOD", "Plate", "Driver", or "Note"

Entrance: Click the drop-down menu to select records of which entrance is required

Inspector: Click the drop-down menu to select records of which inspector is queried

Step 3: Search



1) Click 'Historical Record'

2) Set Search Condition

3) Click 'Search'

Complete Historical Record Search.

3. Review

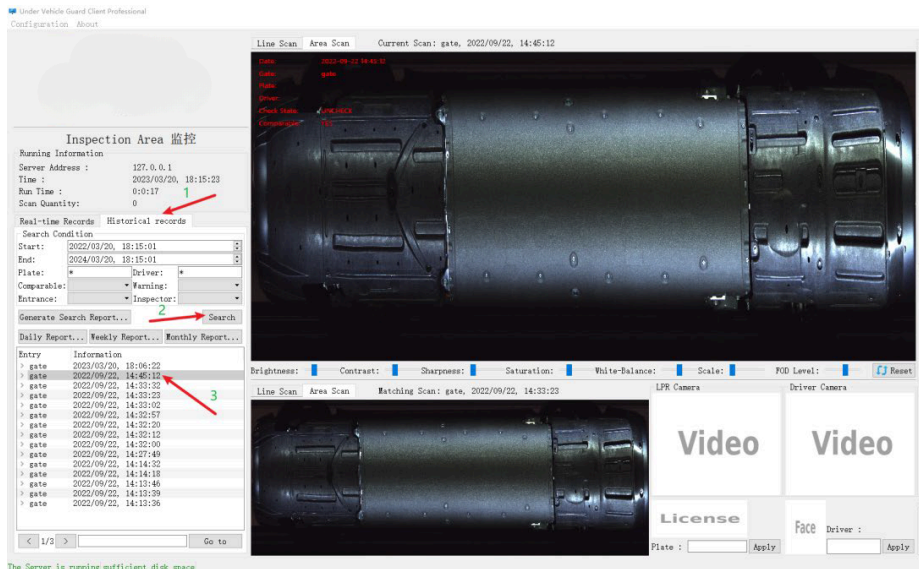
Step 1: Open Client

Step 2: Set Search Condition

Step 3: Historical Record Search

Step 4: View the playback

1) Click the record list to view the playback



Summary

After completing this tutorial, you should be able to do the following:

- Basic use of Server and Client
- Gate related configuration
- Blacklist related configuration
- Generate Daily, Weekly, Monthly, and Search reports
- On Client view history/real time record
- Activate FOD、Blacklist/White List functions