

Title:	How to update vehicle list via FTP	Version:	v1.0	Date:	19/11/2019
Product:	DS-2CD7A26G0/P-IZH			Page:	1 of 5

Preparation

1. Configure FTP Server. For the purpose of this document, Core FTP Server is used

Domain Name: Local
Domain IP/Address: 192.168.88.180 Resolve Port: 21
Certificate: Clear Self signed certificate
Base directory: C:\FTP Test

2. Configure user, create home directory and allow permission

User name: admin Group:
Password: Home directory: C:\FTP Test

3. Allow access to FTP server through Windows firewall

Control Panel Home

[Allow a program or feature through Windows Firewall](#)

Help protect your computer with Windows Firewall

Windows Firewall can help prevent hackers or malicious software through the Internet or a network.

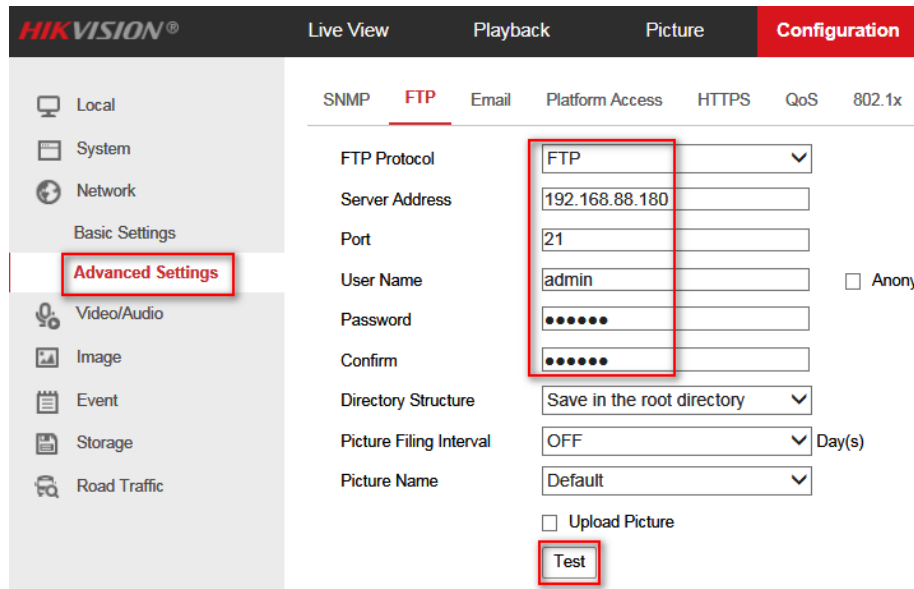
[Change settings](#)

Allowed programs and features:

Name	Domain	Home/Work (Private)	Public
<input checked="" type="checkbox"/> Core FTP Server	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4. Configure FTP parameters in the ANPR camera

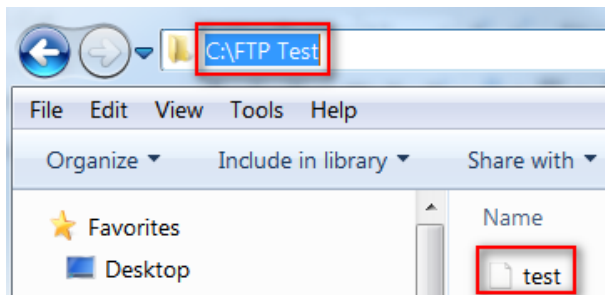
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5. Ensure that the test succeeds. If it fails, disable the Windows firewall and test again or check the parameters

Testing succeeded.

6. Once the test succeeds, it will create a test file in the home directory of the FTP user

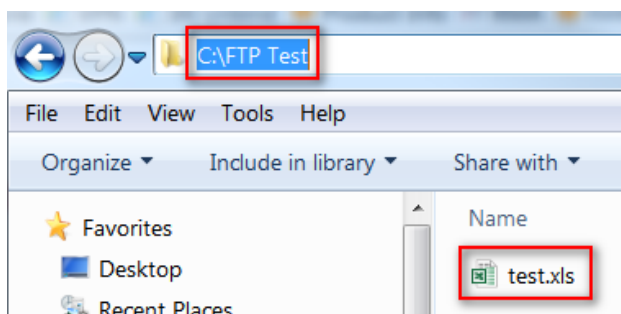
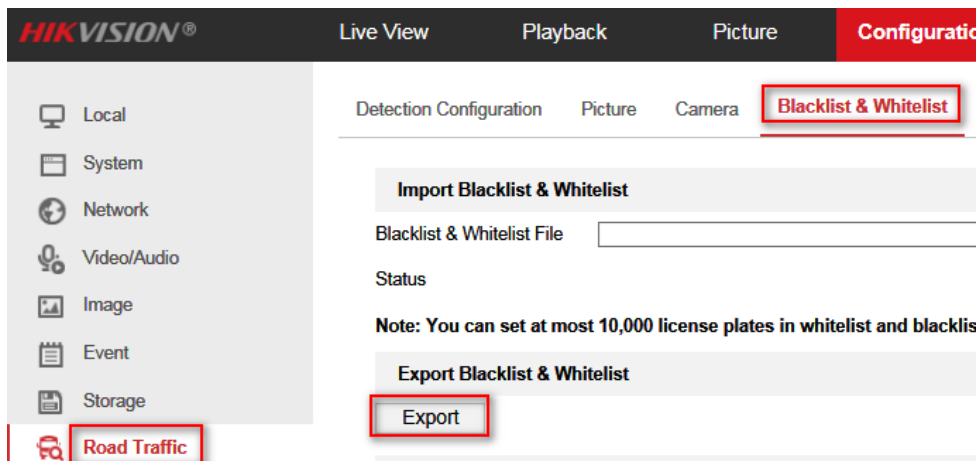


How to Auto-update the Vehicle List in 7 Series ANPR Camera

1. Populate the black/whitelist

- a. Export the black- and whitelist from the camera's web interface and populate it with the desired plate list. Once done, save it in the home directory which was created for the FTP user. Note that for this test, the file name was changed to "test"

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2. Configuring the FTP parameters via URL

- The FTP parameters such as the time and date of the auto-update, are configured with a URL
- See an example of the URL below with the different parameters, which can be configured. The configurable parameters with their respective descriptions are highlighted in different colors. Note that the blue values should not be changed

<http://192.168.88.2/ISAPI/System/Network/ftpUploadTimeUrl?enable=1&cycle=1&customDay=1&hour=14:24&name=test.xls>

IP Address: The IP address of the ANPR camera

Enable: This value will enable or disable the auto-update list feature. 1= enable & 0=disable

Cycle: This refers to the cycle update. 1=daily, 2=weekly & 3=custom (refer to "customDay" below)

CustomDay: When cycle is set to 3, customDay represents the update interval in days

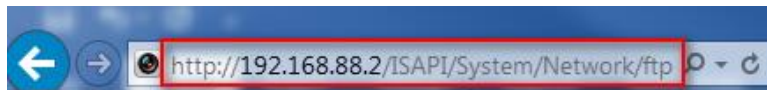
Hour: The specified time the camera has to retrieve the vehicle list from the FTP server

Name: This is the actual file name of the plate list, which was populated with the vehicle list

3. Run the URL

- Once the URL is configured with the desired update parameters, run it in the IE or Chrome browser

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- b. Note that the camera should return the following response to confirm that the parameters have been configured

```
<?xml version="1.0" encoding="UTF-8"?>
- <ResponseStatus xmlns="http://www.hikvision.com/ver20/XMLSchema" version="2.0">
  <requestURL>/ISAPI/System/Network/ftpUploadTimeUrl</requestURL>
  <statusCode>200</statusCode>
  <statusString>OK</statusString>
</ResponseStatus>
```

Or

/ISAPI/System/Network/ftpUploadTimeUrl 200 OK

4. Testing the Auto-update feature

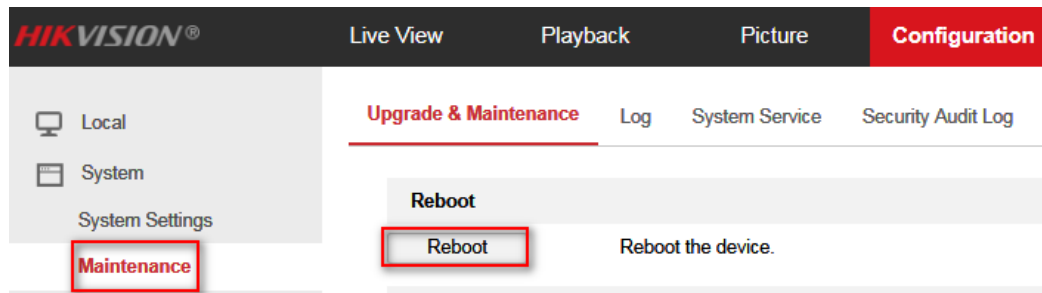
- a. Navigate to the “Blacklist & Whitelist” tab in the camera, and confirm that the content has been updated

The screenshot shows the Hikvision camera web interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The 'Configuration' tab is active, and the 'Blacklist & Whitelist' sub-tab is selected. The left sidebar has 'Road Traffic' highlighted. The main content area shows the 'Blacklist & Whitelist' configuration page. It includes an 'Import Blacklist & Whitelist' section with a file input field, 'Browse', and 'Import' buttons. Below that is an 'Export Blacklist & Whitelist' section with an 'Export' button. A note states: 'Note: You can set at most 10,000 license plates in whitelist and blacklist in total.' At the bottom, there is a table titled 'Blacklist & Whitelist Content' with the following data:

No.	Plate No.	Type	Creation Time	Expiry Date
1	CL66TT	whiteList	2019-11-19 14:21:54	2099-12-12
2	QA12RR	whiteList	2019-11-19 14:21:54	2099-12-12
3	PO12NB	whiteList	2019-11-19 14:21:54	2099-12-12
4	HA98MN	whiteList	2019-11-19 14:21:54	2099-12-12

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- b. Note that the camera will accept multiple URL updates but will not execute it if it has already uploaded the plate list from the FTP server. To bypass/reset this function, reboot the camera and run the URL again



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