# How to configure Hikvision LPR Function via NVR

Property in copyright belongs to Hikvision. 

# 1 Purpose

Vehicle Detection is available for the road traffic monitoring. In Vehicle Detection, the passed vehicle can be detected and the picture of its license plate can be captured. You can send alarm signal to notify the surveillance center and upload the captured picture to FTP server.

***Note:*** *Road traffic function varies according to different camera models. And, Mixed-traffic Detection (detecting pedestrian, non-motor vehicle and motor vehicle) is also available for some certain regions.*

# 2 Vehicle Detection Configuration via NVR

## 2.1 Enable Vehicle Configuration via web

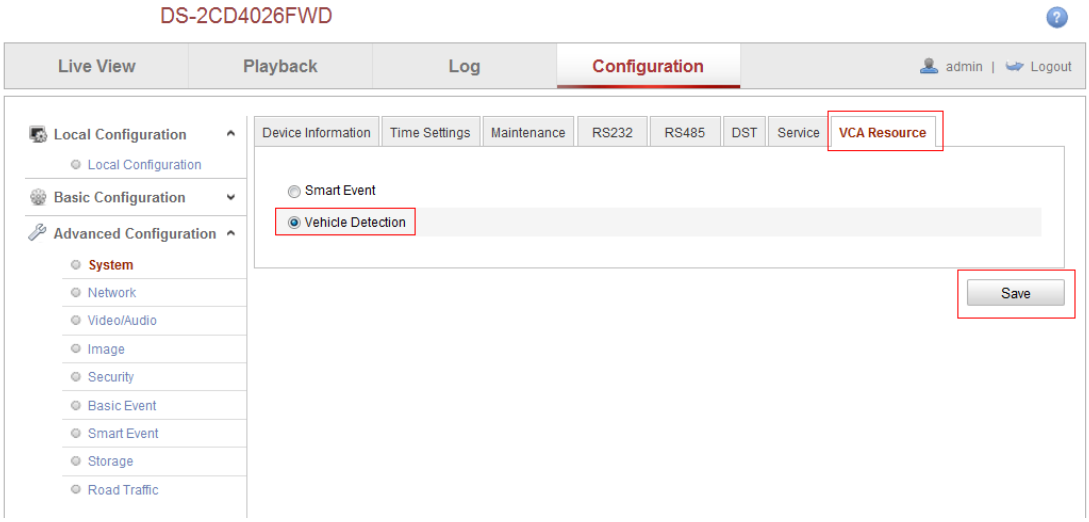
Connect to camera via any appropriate WEB browser and login to camera using the appropriate administrative account.

1. Upgrade the firmware to the specific firmware (***5.2.7 build 150210***). The camera has to be connected to local network.
2. VCA resource can be efficiently allocated to get a better performance. Two modes of VCA resource allocation are supported: Smart Event and Vehicle Detection.

   Go to ***Configuration-> Advanced Configuration-> System -> VCA Resource***

   Select ***Vehicle Detection*** for the VCA resource allocation. Reboot the device to activate the new settings.

   ***Note:*** *When Smart Event is enabled, the Vehicle Detection function is limited; When the Vehicle Detection is enabled, high frame rate, recording on SD card or NAS / CIFS, some certain smart events (for the details, see the actual operation interface) and people counting (non-iDS) are limited.*



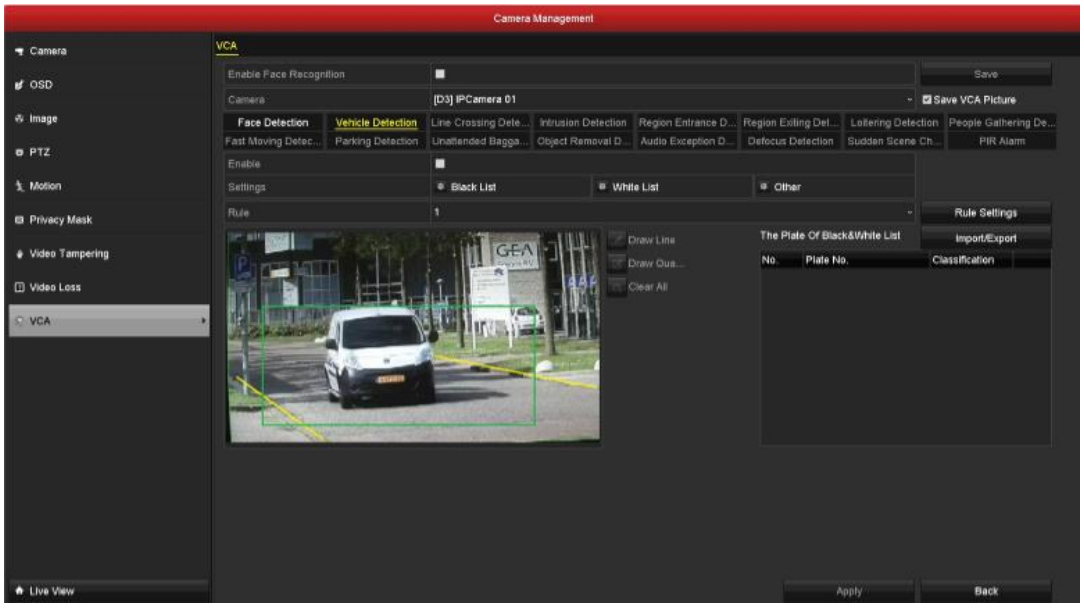
## 2.2 LPR Configuration on local NVR

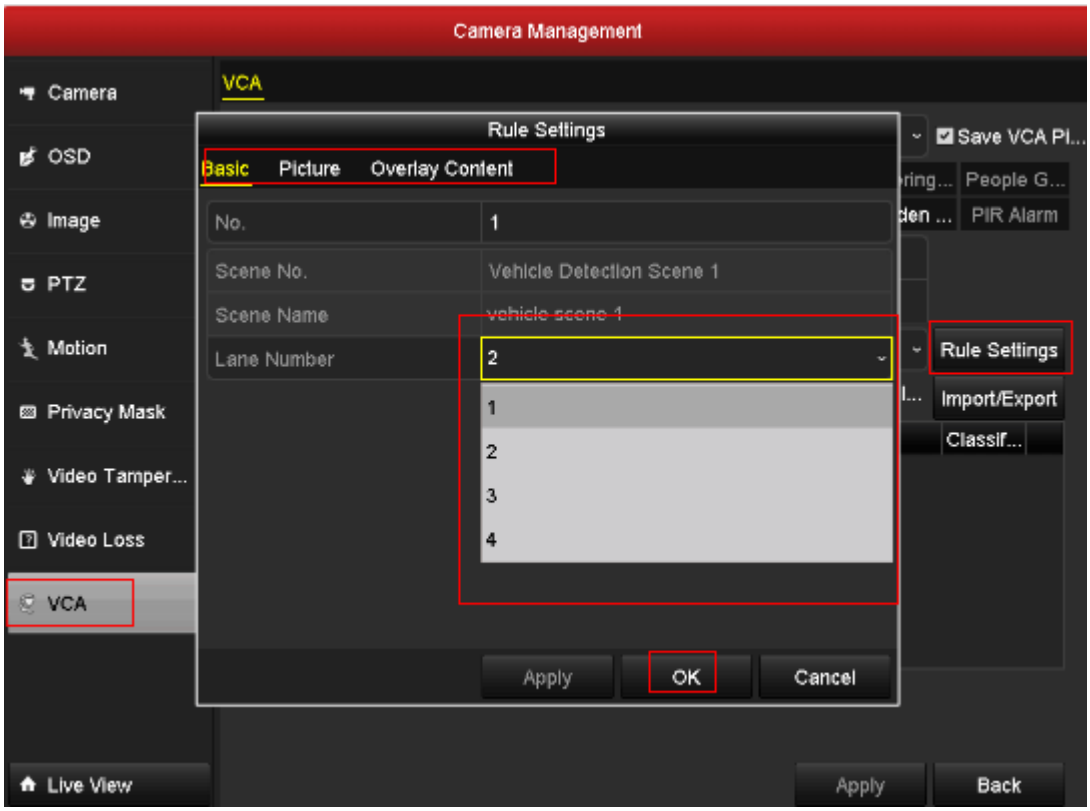
### 2.2.1 Add device

Go to ***Menu->Camera***, add the camera into the NVR as follows.

### 2.2.2 LPR Configuration on Local NVR

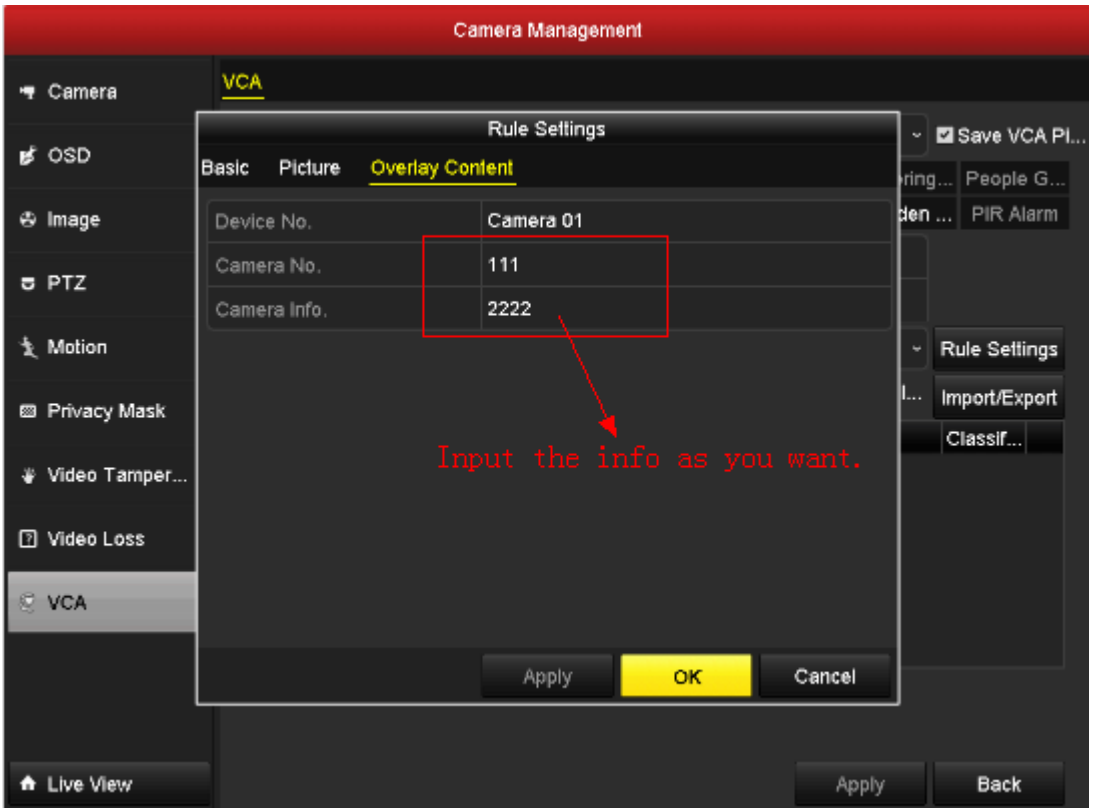
Go to ***Menu->Camera->VCA->Rule Settings***, choose the ***Lane number*** as you want.



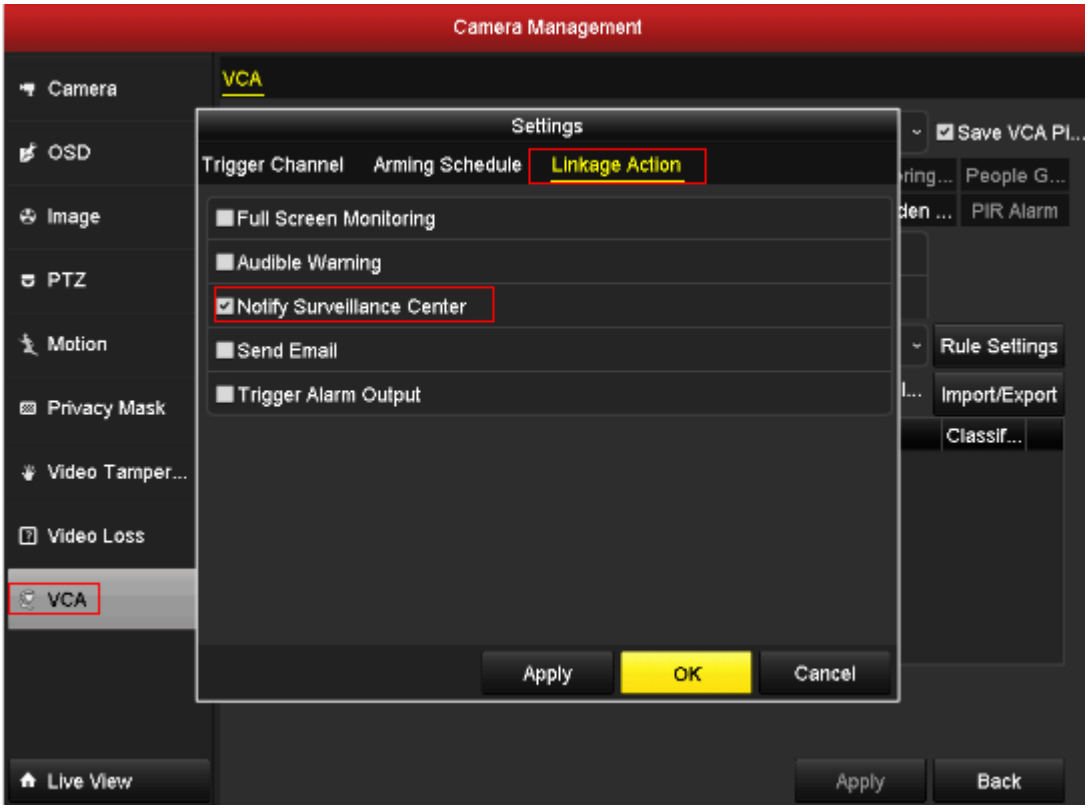




Go to ***VCA->Picture*** and ***VCA->Overlay Content***, configure the parameter as follows.

Property in copyright belongs to Hikvision.

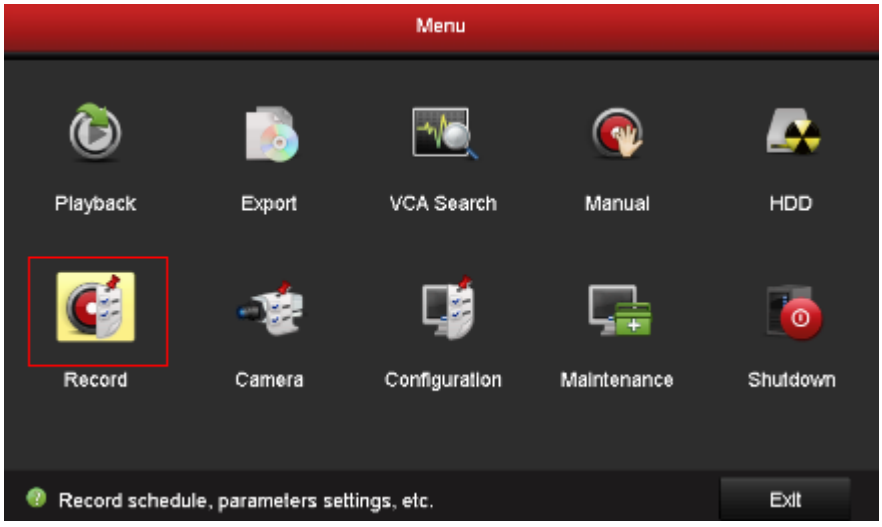


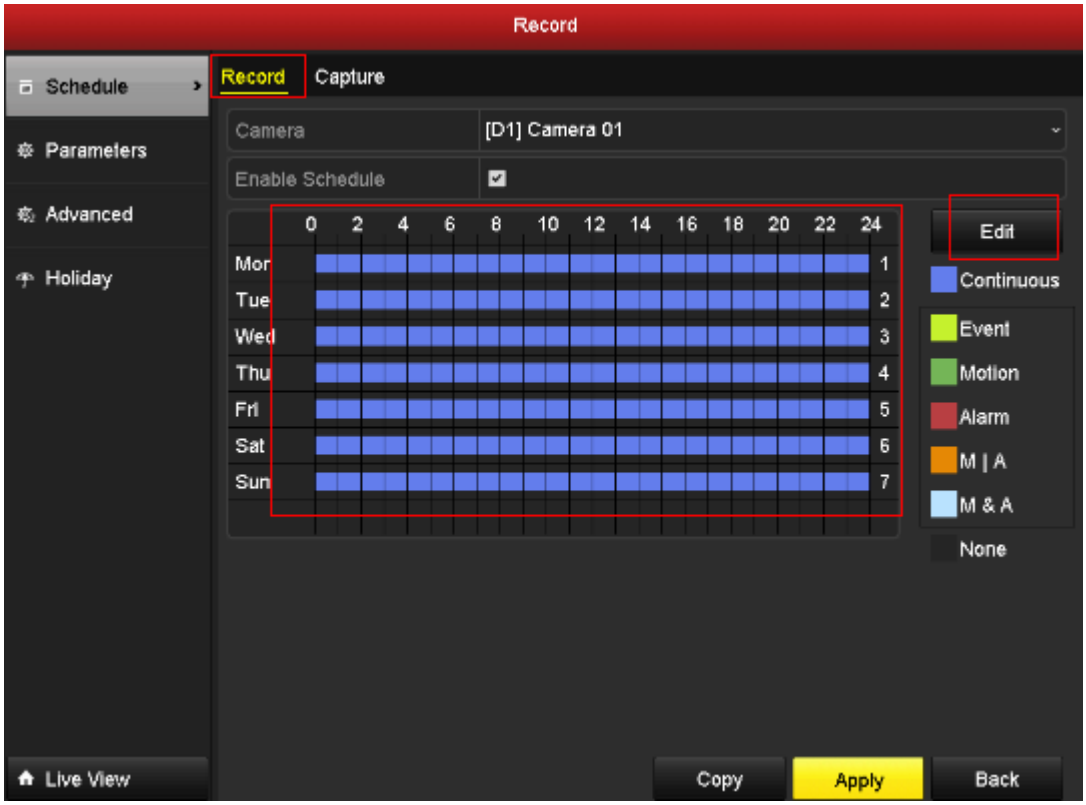

Go to ***VCA->Others***, configure the ***Trigger channel/Arming Schedule*** and set the ***Linkage Action*** as follows.




## 2.2.3 Record Schedule

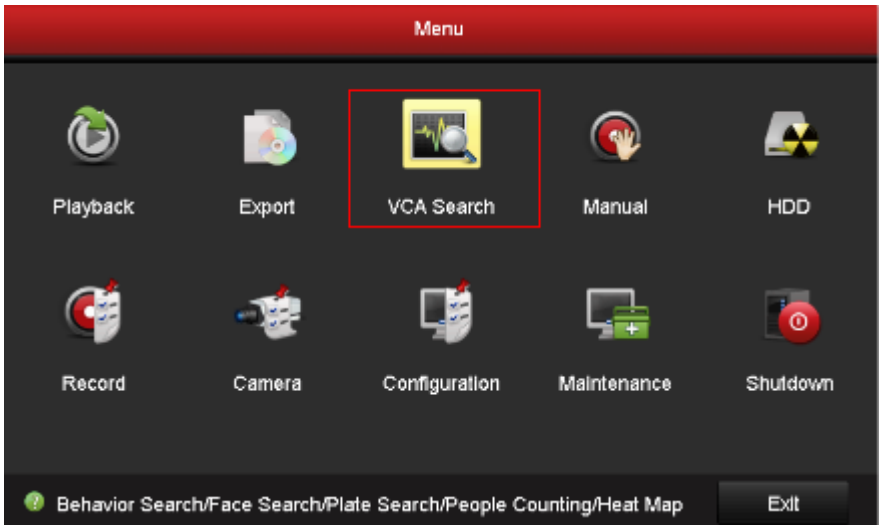
In sake of saving the video clip more accurately, users need to configure the record schedule on local NVRs. Please see the detailed configuration below.






## 3 Result Query

Go to ***Menu ->VCA Search->Plate Search***, select the channel and start/stop time, users can search the plate info on the local NVR. Please see the details below.



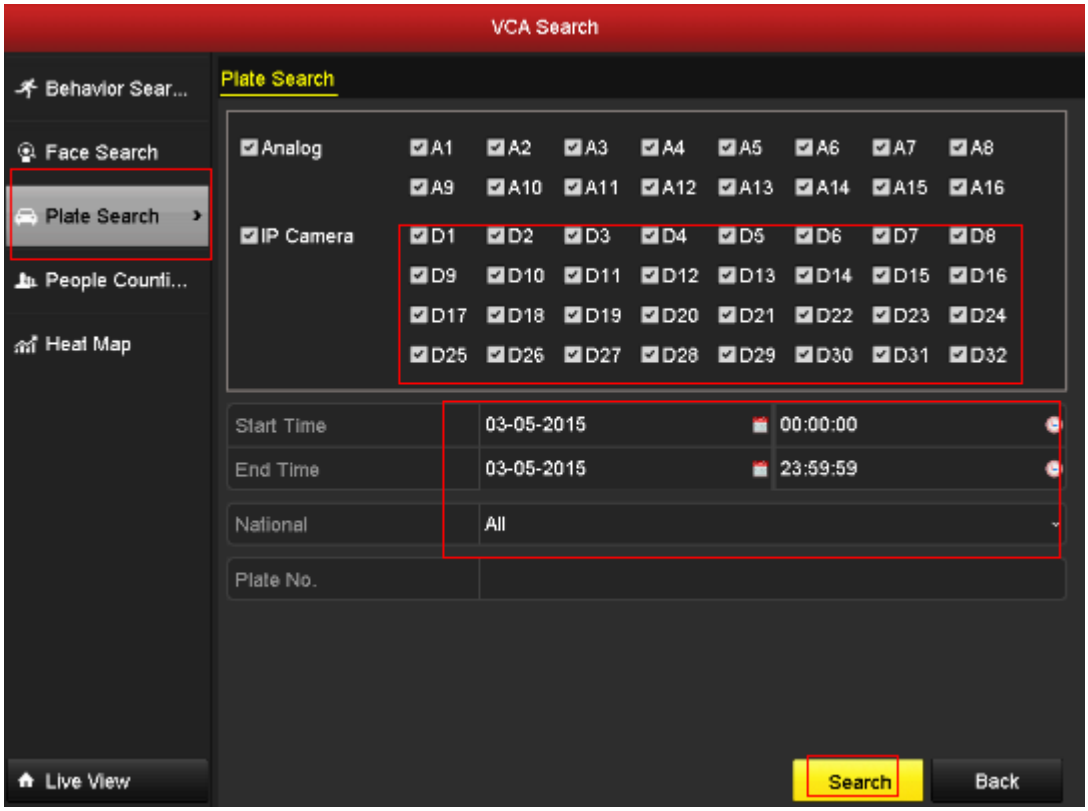

VCA Search
Behavior Sear...
Face Search
Plate Search
People Counti...
Heat Map
Live View
Plate Search
Analog
A1 A2 A3 A4 A5 A6 A7 A8
A9 A10 A11 A12 A13 A14 A15 A16
IP Camera
D1 D2 D3 D4 D5 D6 D7 D8
D9 D10 D11 D12 D13 D14 D15 D16
D17 D18 D19 D20 D21 D22 D23 D24
D25 D26 D27 D28 D29 D30 D31 D32
Start Time
03-05-2015
00:00:00
End Time
03-05-2015
23:59:59
National
All
Plate No.
Search
Back

Plate Search
Chart
List
All
Plate No.
4VTG19
Filter
Country: Netherlands
Total: 1668 P: 23/84
Picture
Record
Statistical Information
Export All
Export
Back