

quick guidance for using Vehicle Recognition function in NVR

Automatic number plate recognition(ANPR), also referred to as LPR (License Plate Recognition). Now from NVR site this function can support plate recognition, black/White list import/export, add/delete B/W list member, search results from recorded video

There are only this 2 serials NVR5000-4KS2, 600-4K&4KS2 supporting ANPR, which is suitable for all models of ITC.

NVR model	Program(GDP available)
NVR6-4K/4kS2	2.5.02.01.37604 General_NVR6XX-4KS2_Eng_VEHICLE_V3.210.0000.0.R.20161022
NVR5-4KS2	DH_NVR5X-4K_Eng_ITCUpload_V3.210.0002.0.T.20170424

Below is quick guidance for using Vehicle Recognition function.

Device is NVR608-128-4K

1. Add ITC camera



2. Adjust preview mode to Plate Mode and Enable Vehicle Recognition



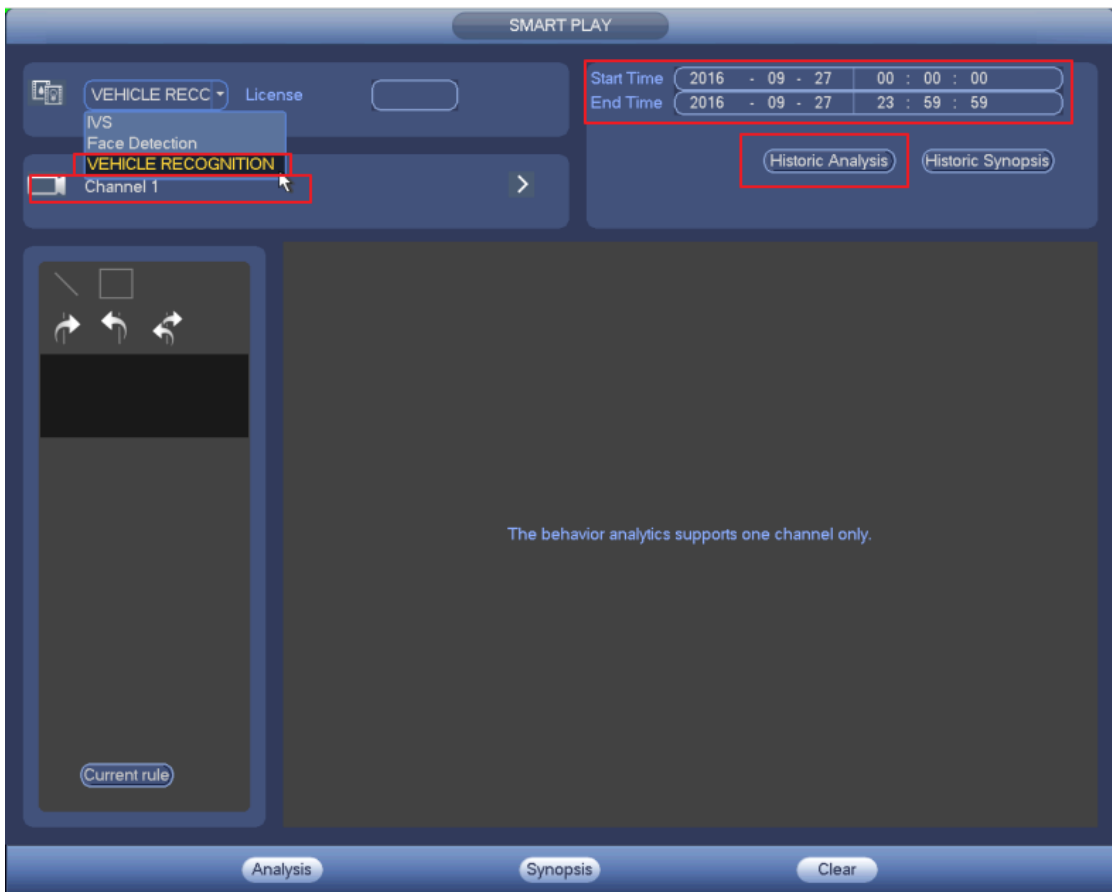
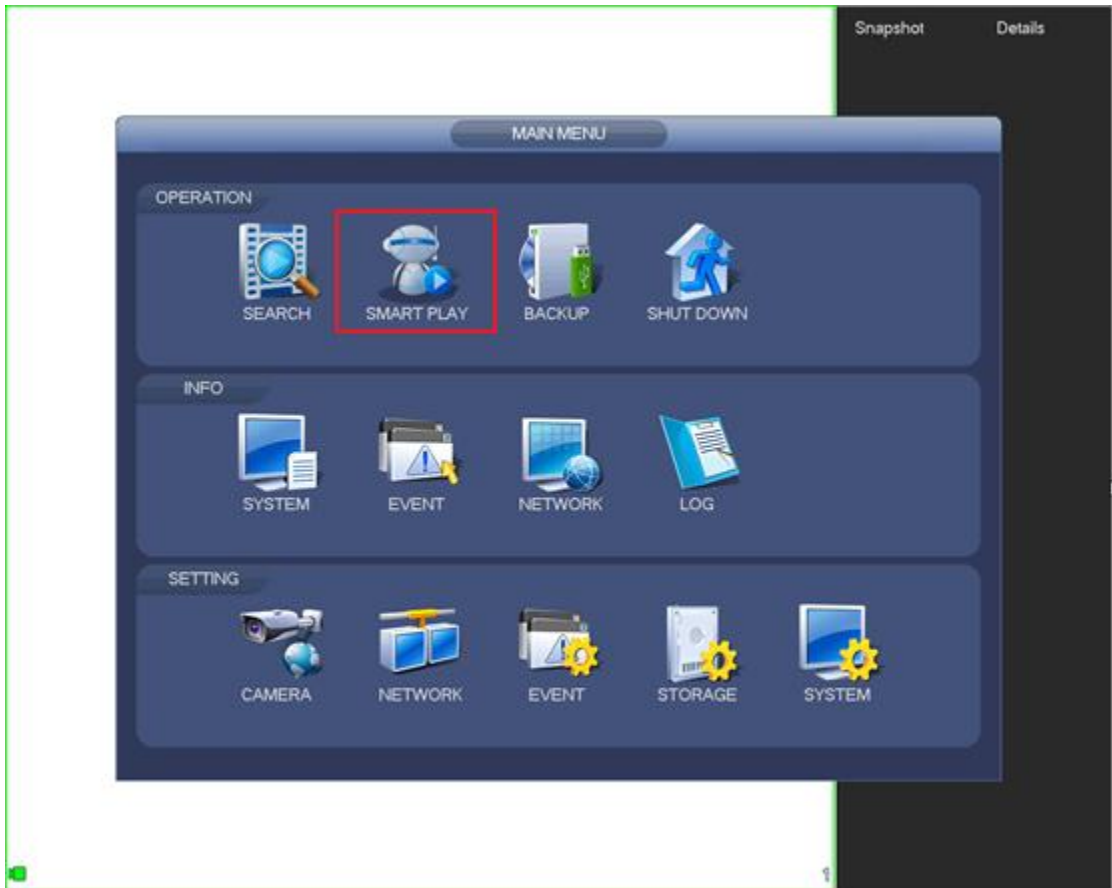


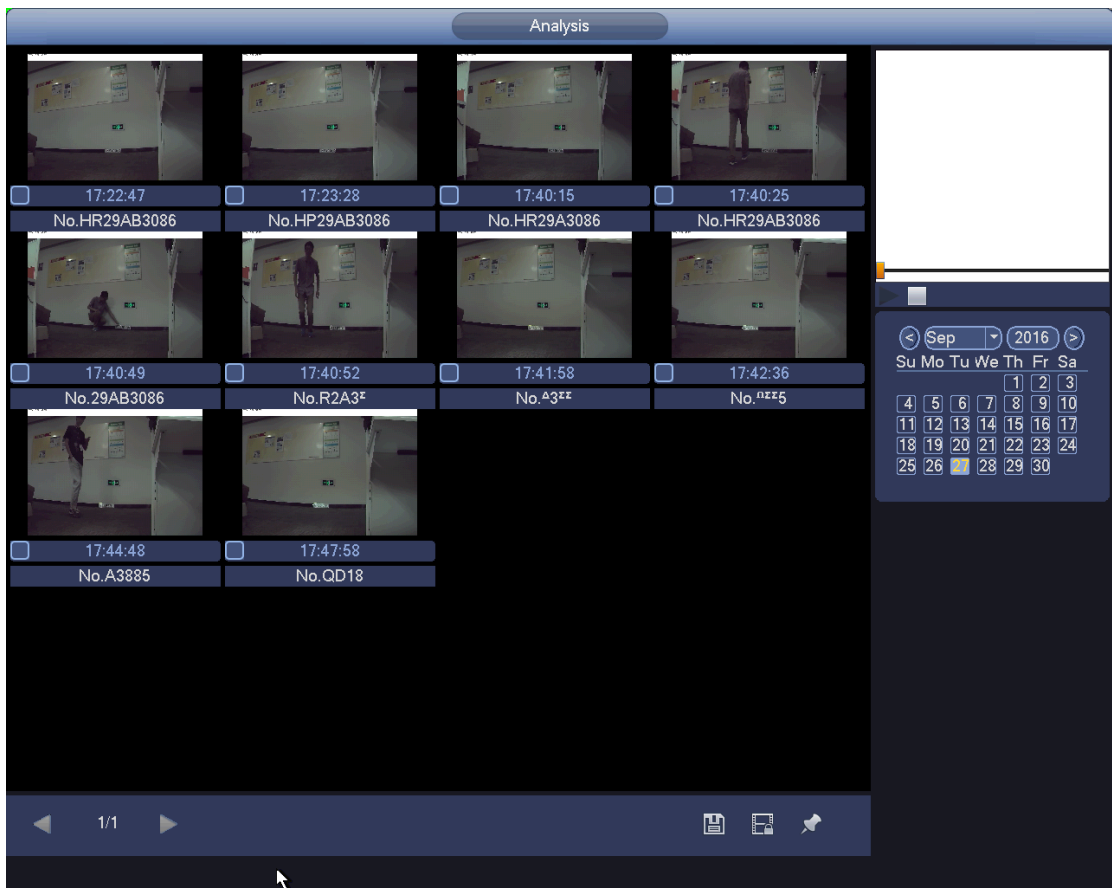
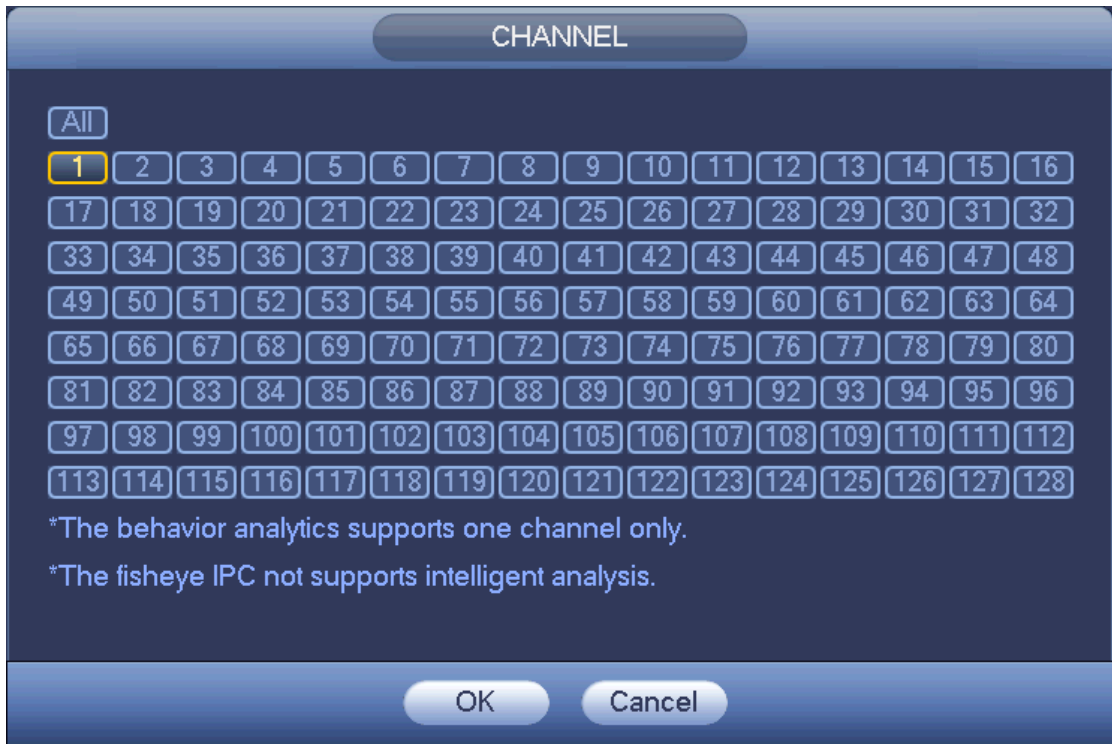
If it works, screen shows like this

3. Searching results from Smart Play

From main menu → smart play → vehicle recognition → choose channel → choose date/time

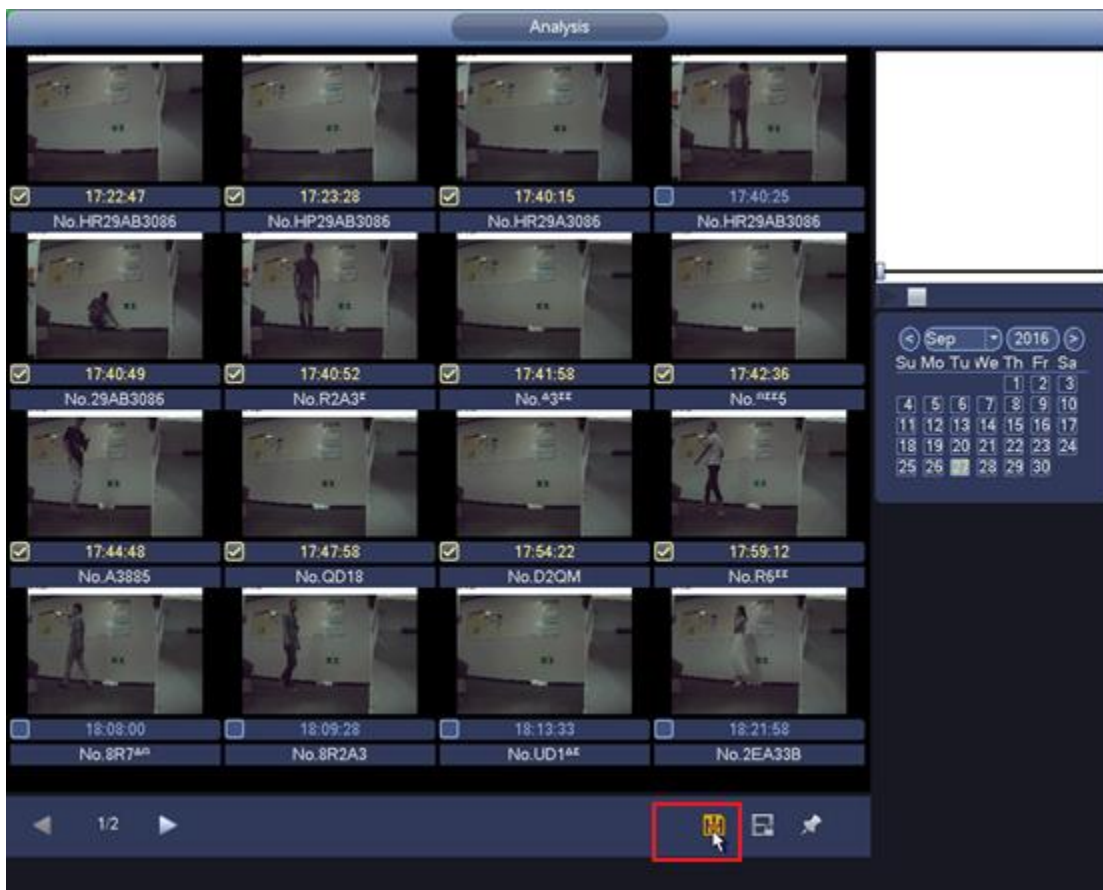
After this click on "historic analysis" button, it will show results





4. Exporting from Smart play

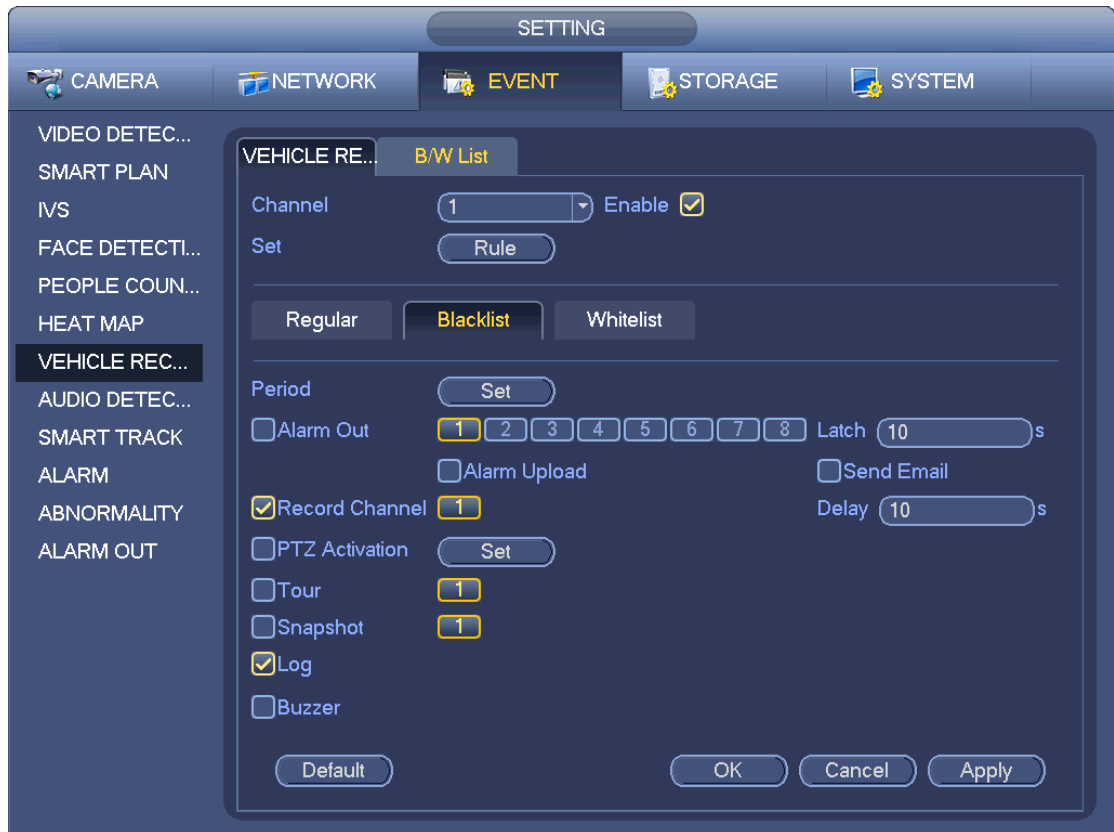
You can export .dav file from result of smart play to U disk.(noted: it only can export file format as video)



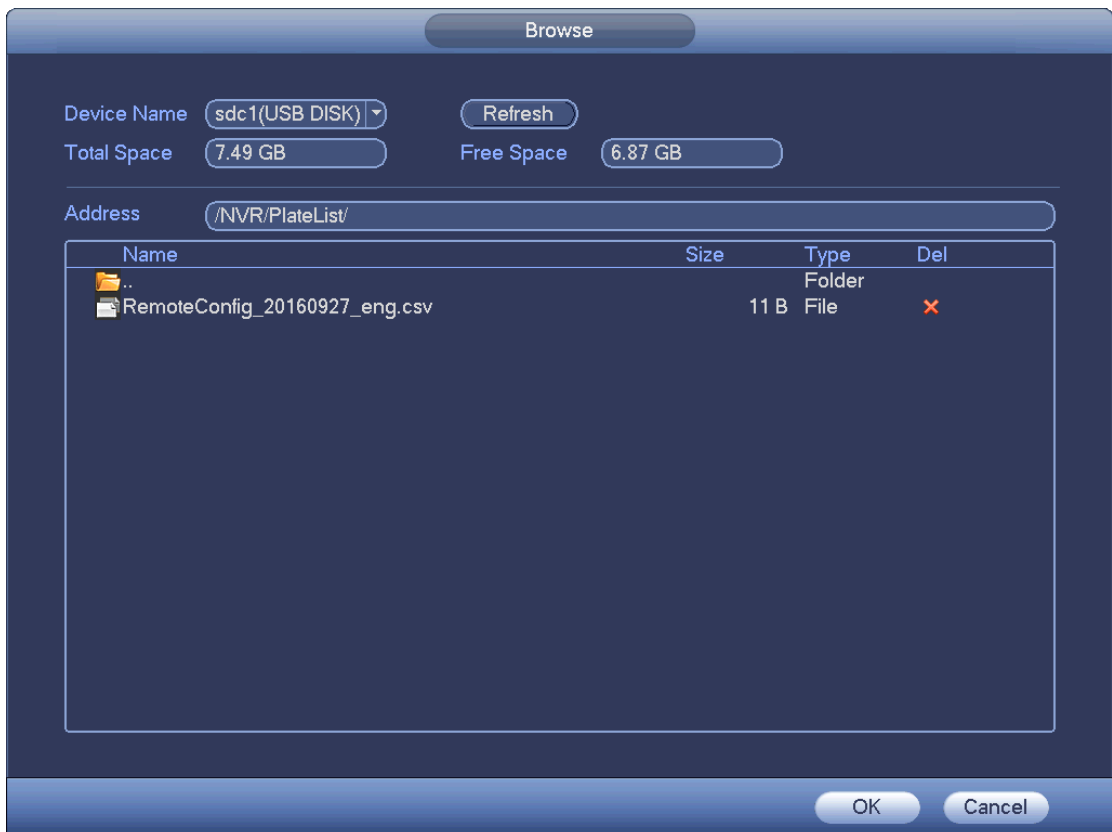
5. Black/White list

Black list is refer to the unsafe list, and white list is refer to VIP list. You can add list member from NVR or import list file as .csv file through U disk.

Notes: NVR can't be in sync with ITC's B/W list. And NVR's B/W list is available for all channels and can't be set for separate channel.



At first you'd better export B/W list file from NVR to U disk for your reference.

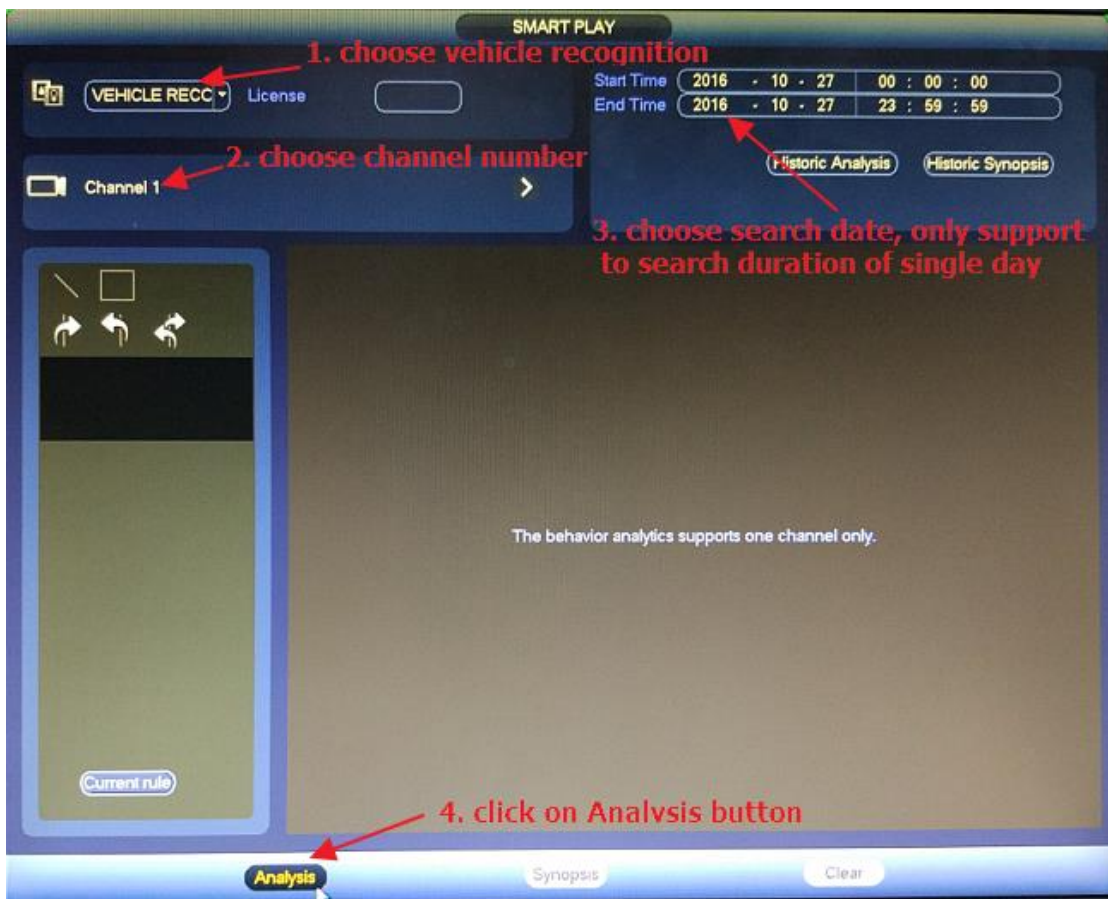


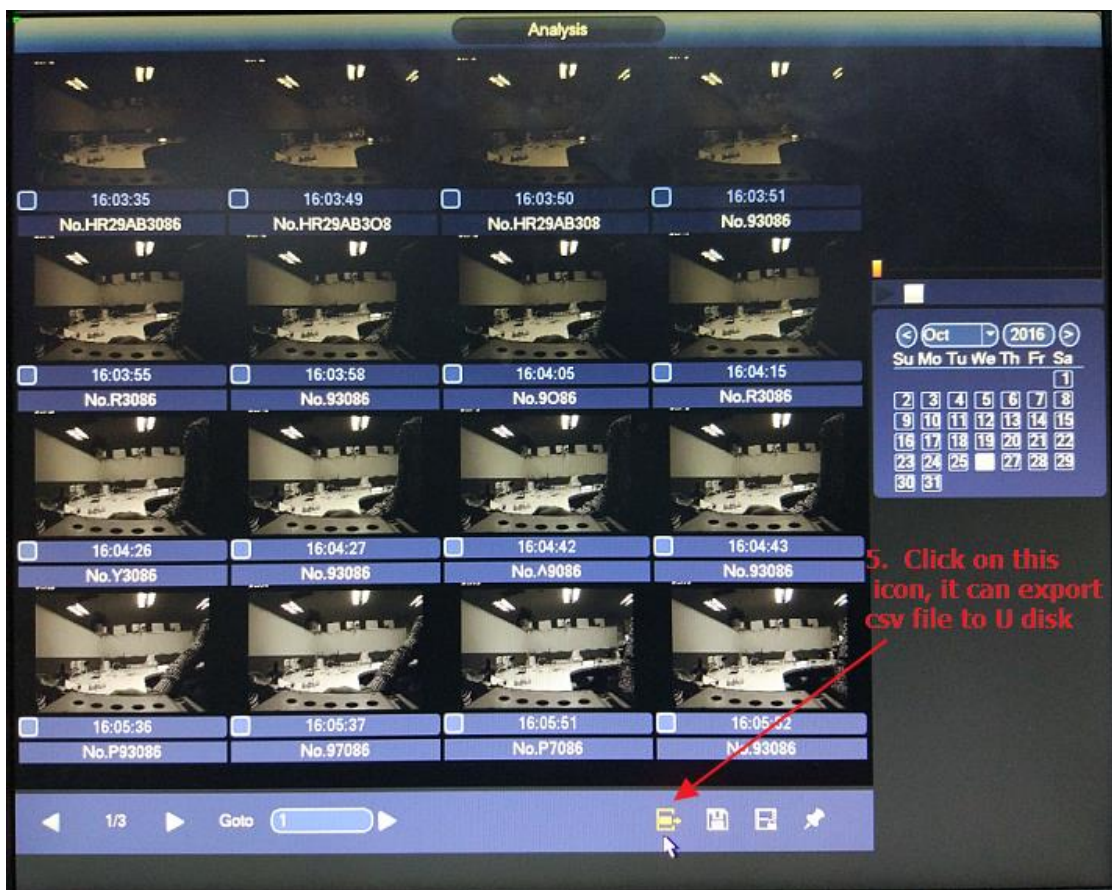
You will find exporting file from your U disk, open it and you can see the format of B/W list file. You have to fill number according to the template of xx.csv file, otherwise you

can't import filled file into NVR. You can import list file after you filled in the exporting file via U disk.

	A	B	C	D	E	F	G
1	License						
2	hr123456						
3							
4							
5							
6							
7							
8							
9							
10							

6. Export plate number detected from NVR as .csv file
this function can support to export plate number that NVR already detected out of NVR.



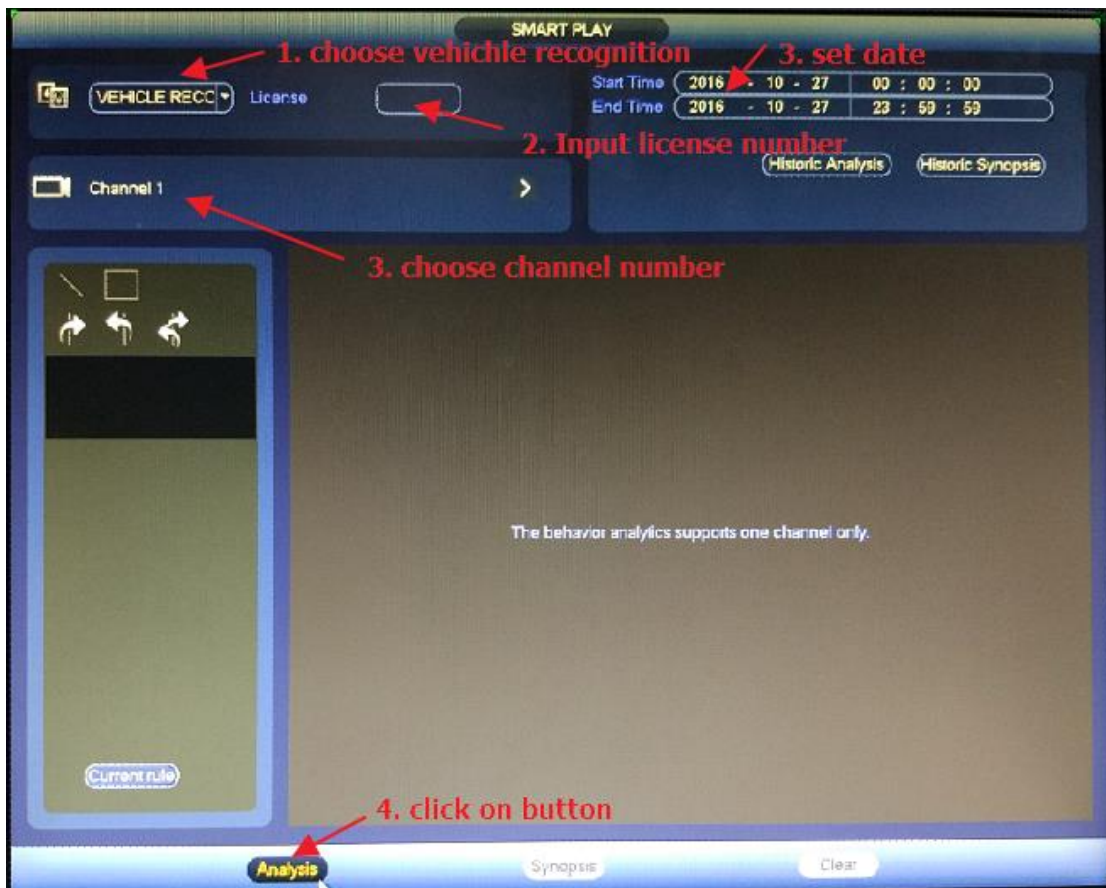


This exporting result file is as following

	A	B	C
1	Channel	License	Event Time
21	CH1	HR29AB3086	2016-10-26 16:07:21
22	CH1	HR29AB2345	2016-10-26 16:07:56
23	CH1	AB83499006	2016-10-26 16:09:21
24	CH1	ABKD343989	2016-10-26 16:29:36

7. Search license from smart play

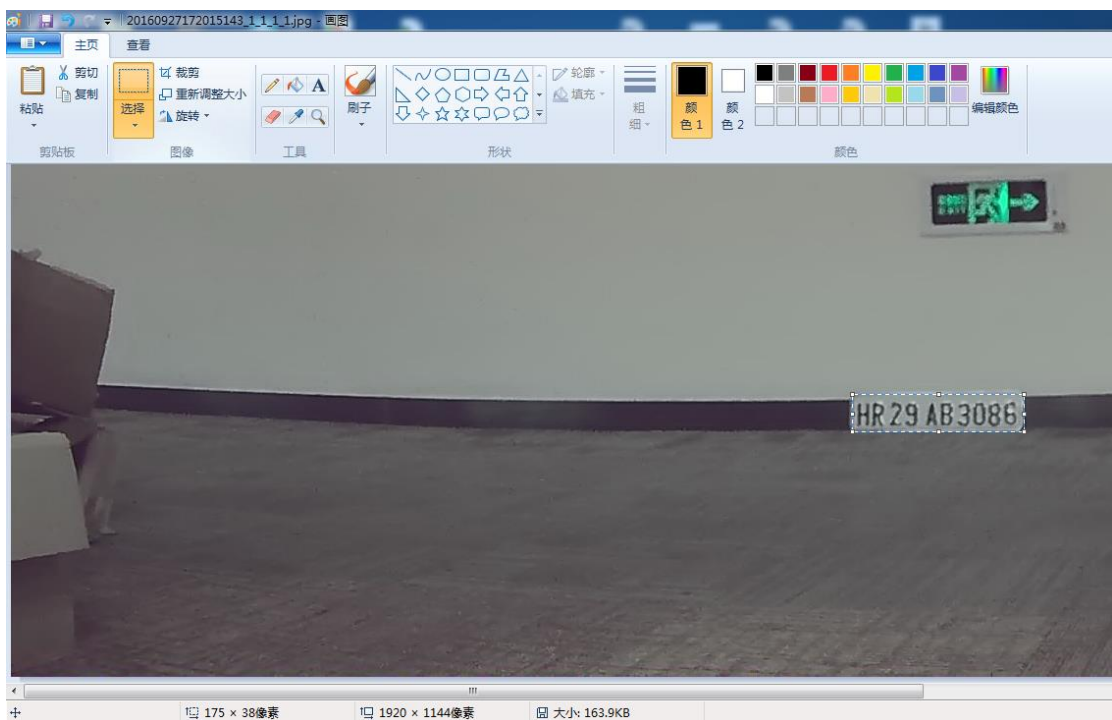
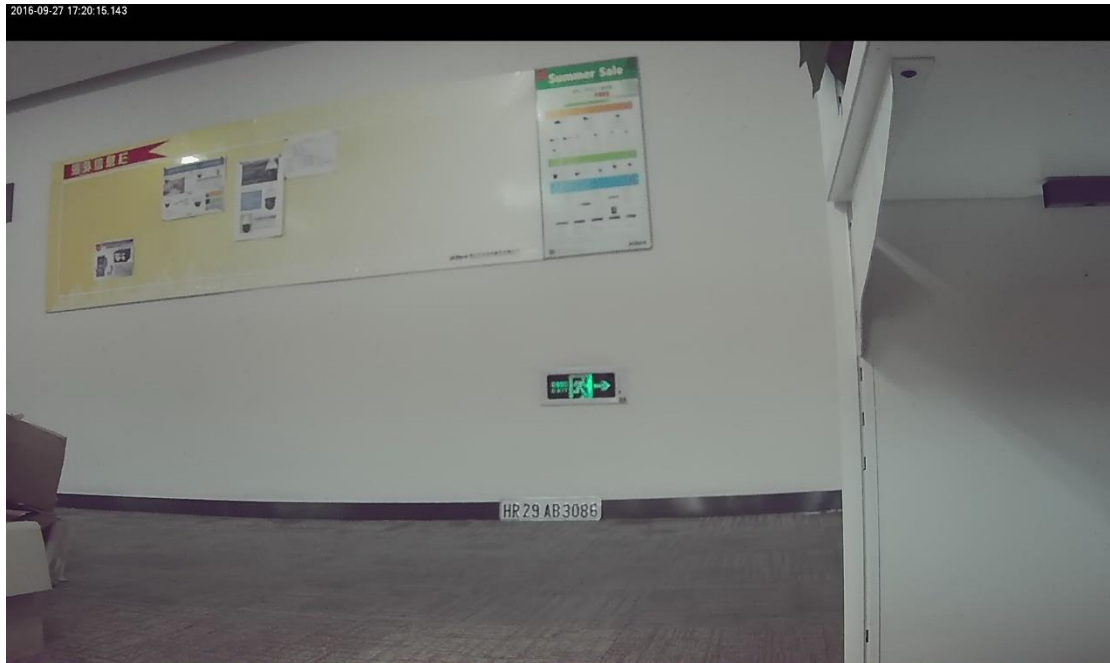
This function can search license from the result detected. For NVR6x search field can be input 6 of characters at most, and for NVR5x search field can be input 10 of characters at most. And case sensitive.



There are some tips when you have a showcasing for customer and set up ITC camera for the first time:

- 1) You should avoid square object placed on the background. The algorithm will detect square object besides vehicle plate, that will cause mistake if there are some square objects that is similar to plate.
- 2) You should adjust long distance between plate and camera. The recommendation is that keep the number of pixel of length of plate is between 120—180, the recognition rate is better. For example, you can export screen picture from ITC's web site as below. And then open drawing tool of windows OS, select the plate, it shows results at the bottom line as to be 175x38 pixels.

To put it simply, adjust the distance and don't close to camera too much.



3) you'd better try to format HDD if plate recognition can't work.

FAQ

1. If you use ITC model ITC237-pw1a and ANPR recognition results show "Unknown" in picture, Pls enable "Snap Cutout" as below

