



Merit LILIN Application Note

NVR supports LPR events

Document Number: A00159

Date: 2018/08/10

Dept: Technical Support, Taipei

Subject: LILIN NVR supports LPR camera events.

Device supported:

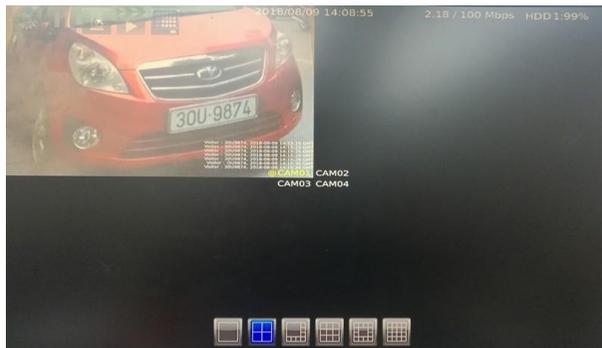
NVR: 100/200/400L, 1400, 2400, 3 and 5 series (with firmware #SVN2790 above)

LPR Camera: SG1122 and ZSR8122 (FW V2.7.94 SVN6377)

Description: LILIN NVR's now support LPR camera events. Users cannot only see a recognized license plate on live view and playback but also check the LPR events from the NVR.

Please follow below steps to learn how to use it.

A. Show the license plate number on live view via **NVR HDMI output only** .



When the LPR camera recognizes a car number plate, it will display the information in the bottom right of the camera image in white fonts (position and font can be adjusted in the NVR system configuration)

Here in the example it shows

Visitor : 30U9874, 2018-08-09 14:15:19 GMT+8





Step #1. Login to the LPR camera. Enable LPR Detection and click Submit button.

The screenshot shows the LILIN web interface for LPR camera configuration. At the top, there are navigation tabs: System, Video / Audio, Network, SmartEvent, Notification, and Maintenance. The 'System' tab is active, and the breadcrumb path is 'Advance >> System >> LPR'. On the left, a sidebar menu lists various system settings, with 'LPR Detection' highlighted. The main content area displays a table of 'Last Event' records. Below the table, there is a large image of a red car with license plate '30U-9874'. At the bottom, the 'LPR Detection' settings are shown, with the 'Enable' radio button selected and the 'Submit' button highlighted by a red box. Other settings include 'Negative Modes', 'Convert Text', 'Plate Min. Length Limit', 'Plate Max. Length Limit', and 'Plate Min Size Percent'.

Last Event	License Plate	Plate Type	Snapshot
2018-08-09 14:17:32 GMT	30U9874	Visitor	

LPR Detection Enable Disable

Step #2. Login to the NVR and add an LPR camera to one of NVR's channels.

Step #3. Set the Alarm Input Type to IP camera, and click Apply.

The screenshot shows the LILIN NVR configuration interface. The 'ALARM' tab is selected in the left sidebar. The main area shows the configuration for '1. CAM01'. The 'Alarm Input Type' is set to 'IP Camera', which is highlighted with a red box. Other settings for CAM01 include 'Motion Enable' (Off), 'Motion Sensitivity' (Standard), and 'Save Event Snapshot' (On). At the bottom, there are 'Apply' and 'Reset' buttons. The interface also shows a list of other cameras (CAM02 to CAM16) and a QR code for P2P OS Code.

1. CAM01 Alarm Input Type: IP Camera

2. CAM02 Motion Enable: Off

3. CAM03 Motion Sensitivity: Standard

4. CAM04 Save Event Snapshot: On

5. CAM05

6. CAM06

7. CAM07

8. CAM08

9. CAM09

10. CAM10

11. CAM11

12. CAM12

13. CAM13

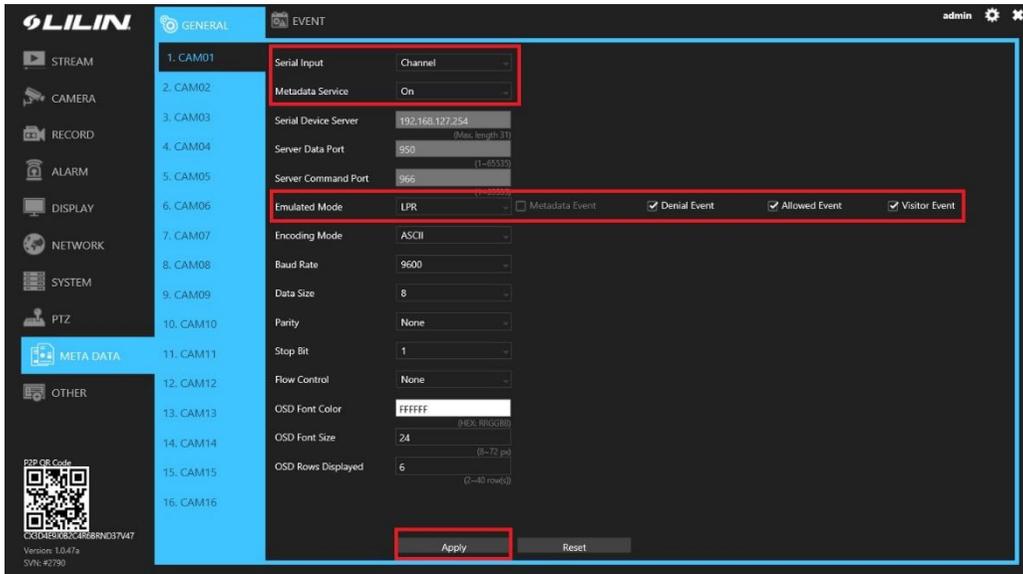
14. CAM14

15. CAM15

16. CAM16

Apply Reset

Step #4. Under the Meta Data menu, set Serial Input to Channel, Metadata Service to On, Emulated Mode to LPR, check Denial, Allowed and Visitor Event and then click Apply.

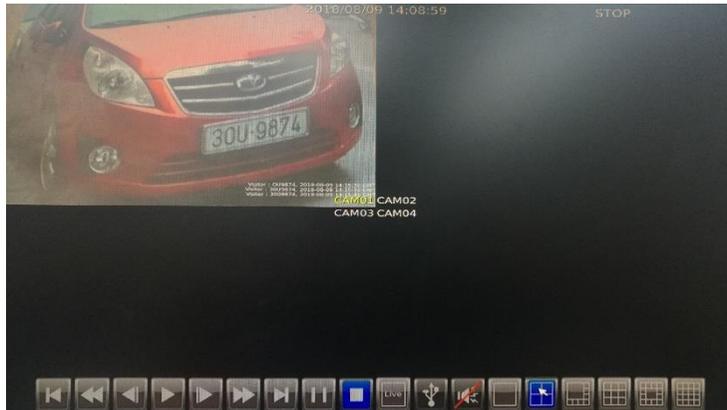


Once you finished the steps above, you will start to see the recognized license plates on NVR's live view.

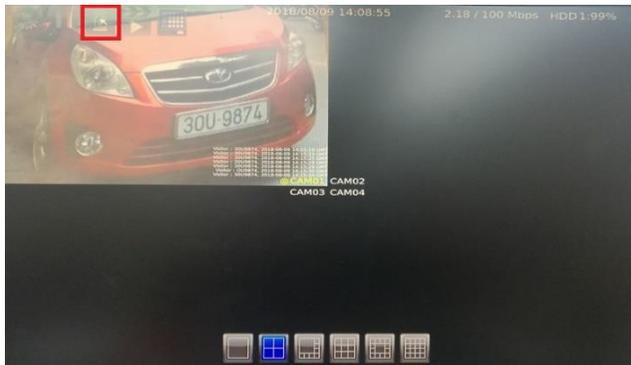




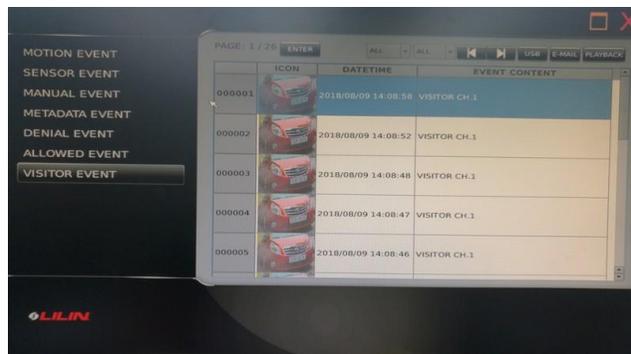
B. How to playback video with license plate information by event list via NVR HDMI output only.



Step #1. Click the alarm event icon.



Step #2. Select VISITOR EVENT and click one of events with the corresponding license plate snapshot showing, the NVR will automatically playback the video

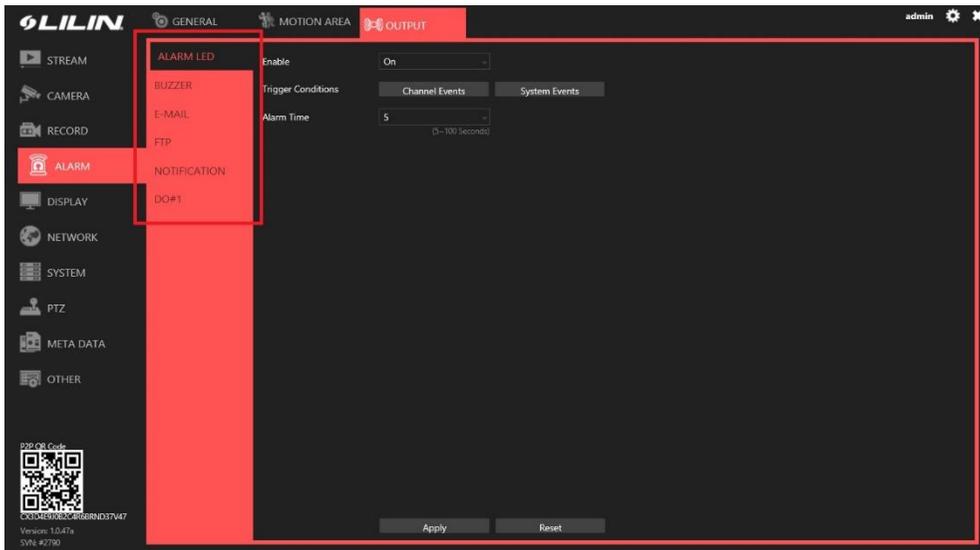


Note: If you have already set the denial and allowed license plates on LPR camera, you can also choose DENIAL EVENT or ALLOWED EVENT to find those events and playback.

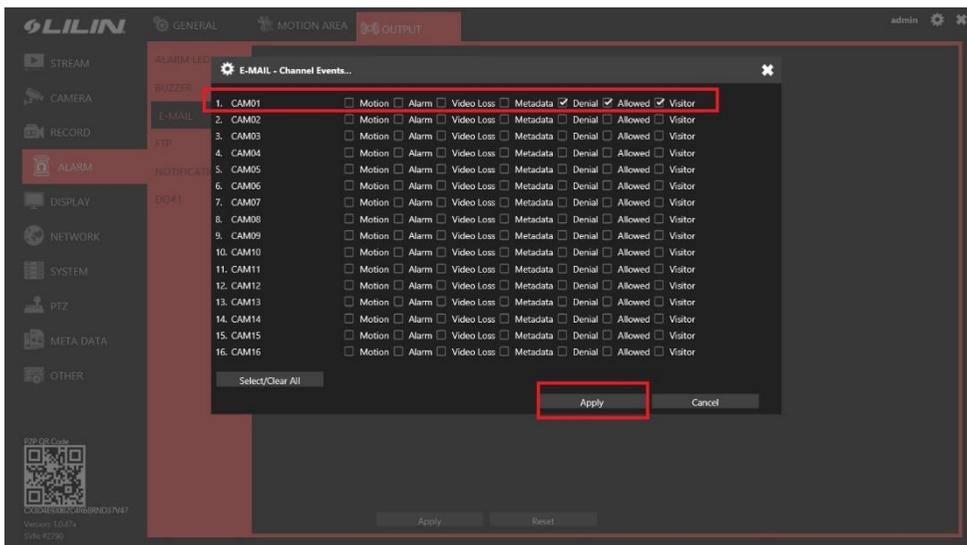


Trigger output by the LPR events.

Step #1. Choose what outputs you would like NVR to use.



Step #2. Check the LPR events that are able to trigger output. Once you have finished the steps above, the NVR will trigger an alarm output when a corresponding LPR event is triggered.



Contact lilin.zendesk.com for technical support.

Contact for technical support.