



PRS Alnet

User's manual

Based on software ver: **3.0.0.8013**

Date:

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Purpose

PRS Alnet is free addition to NetStation/NetHybrid software, which allows recognition and processing of cars license plates. Extensive functionality makes it easy to generate reports and quick analysis of the collected data.

Principle of operation

- Up to 4 cameras with PRS on single server
- Support for analog and IP cameras
- Recognition of license plates in real time
- Advanced search engine and detailed reports
- Possibility of automatic gates opening and monitoring length of stay
- Database of persons and license plates
- Free add-on to Netstation 8 and higher

Basic requirements

In order to run PRS Alnet on your system, some requirements has to be fulfilled:

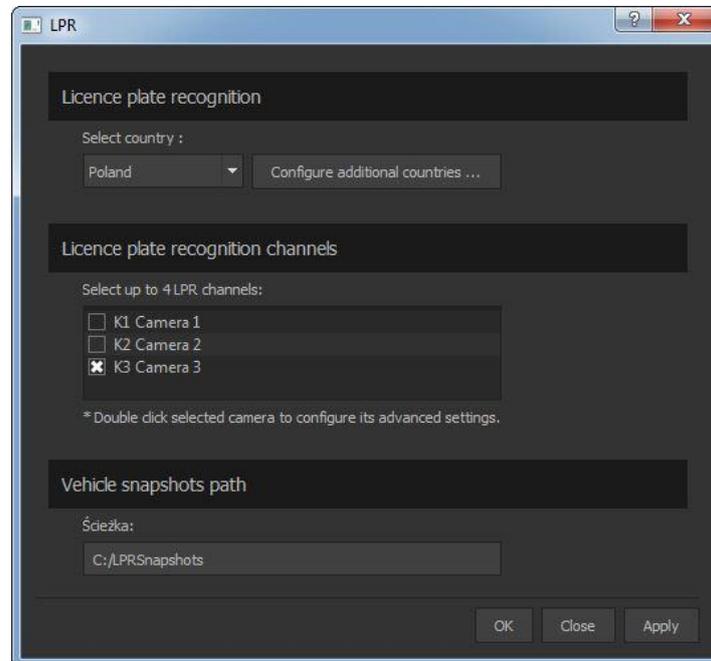
- NET PROFESSIONAL has to be properly configured with any software license (Analogue, IP, HD-SDI, Hybrid). Details of installation and setup parameters are detailed in its own operating manual.
- It's a free addition to Netstation with at least 8 channels.

Note: in some cases (older licenses) updating Net Professional license or/and software may be needed.

- Internal SQL Database has to be properly configured, as well as additional disk space granted for snapshots storage.

1. Configuration

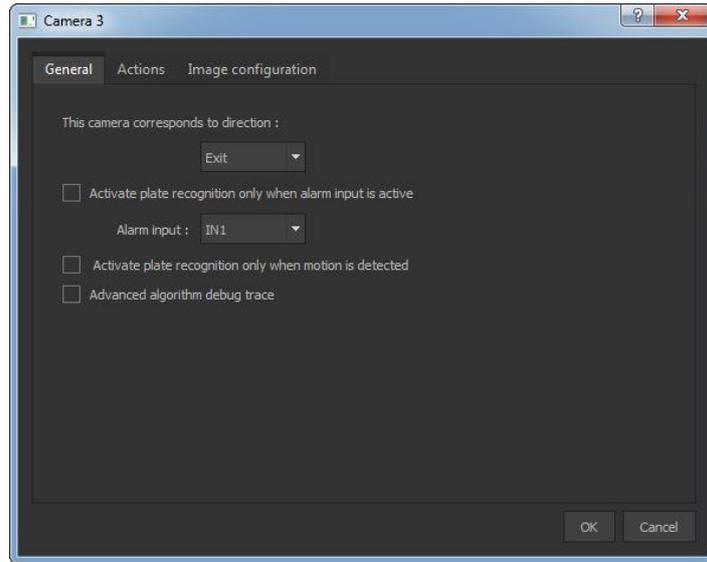
Configuration wizard runs from Menu > Advanced > LPR Settings:



As a first step relevant country from list has to be chosen. Available countries are listed below (with a possibility to configure an additional ones):

Algeria	Canada	Ecuador	India	Norway	Sweden
Argentina	Cape Verde	El Salvador	Ireland	Peru	Switzerland
Australia	Chile	Estonia	Israel	Poland	Turkey
Azerbaijan	Colombia	France	Italy	Portugal	United Kingdom
Belgium	Costa Rica	Germany	Jordan	Romania	Ukraine
Bolivia	Croatia	Greece	Kenya	Singapore	Uruguay
Botswana	Cuba	Guatemala	Latvia	Slovakia	Venezuela
Brazil	Cyprus	Honduras	Malaysia	Slovenia	Vietnam
Bulgaria	Czech Republic	Hungary	Namibia	South Africa	
Cambodia	Denmark	Iceland	Netherlands	Spain	

Default snapshot folder location is set on the same disk drive as archive index (C:/LPRSnapshots), however you can choose any other folder. Licence recognition works on up to 4 channels per instance. Advanced configuration settings are available after double click on selected camera. General settings tab



1.1 General

Corresponding direction of passing vehicles may be set as well (for reporting purposes):

- Exit
- Entrance
- Not specified

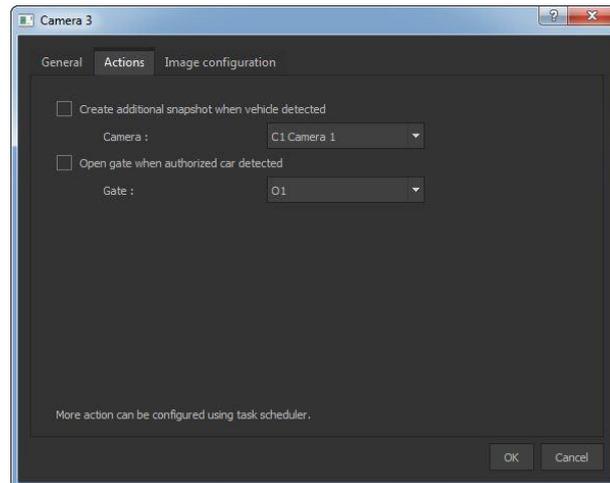
When the system is installed with additional settings (alarm inputs, emergency exits or access control module), advanced configuration options are available as visible on the screen above. For saving VDR resources, LPR will start after motion is detected.

1.2 Actions

Actions Tab provides another features of LPR:

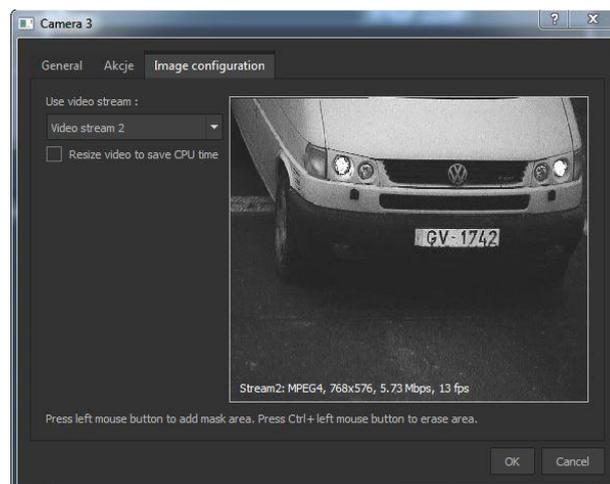
- Creation of additional snapshot when vehicle detected – you can choose from 4 cameras assigned to LPR.
- Opening the relevant gate when the authorized car has been detected – depending on advanced modules settings.

More actions can be configured using task scheduler.



1.3 Image configuration

When it comes to last tab - Image configuration, some other efficiency settings are also available to save CPU time.

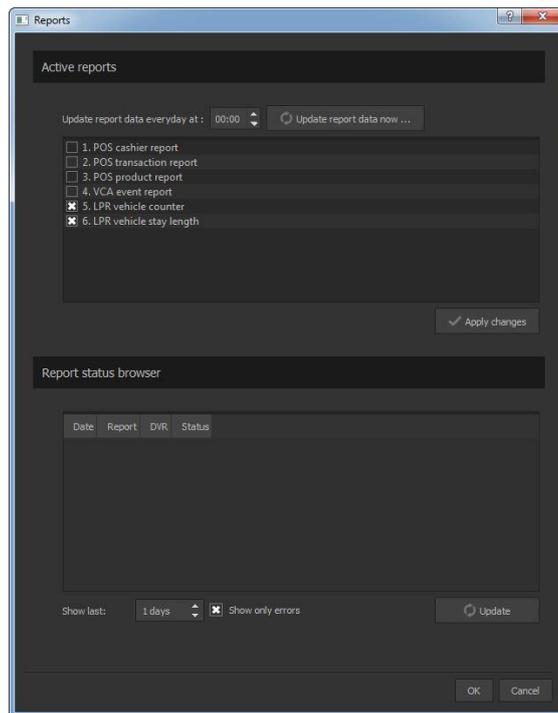


We suggest using second stream (if present on the camera), however it's not compulsory. If you're still struggling with performance issues, there's a thick box to check for resizing the image ratio (quality of image may not be satisfactory, but will spare some disk space for recordings).

In particular cases we're able to add mask on the screen to point where not to check for signs from licence plates. It's handy, when vehicles could have some commercials printed on it and we don't want to falsify the results in report section. Holding left mouse button and marking mentioned area will add mask zone. Ctrl key + left mouse button removes it.

2. Reports and PRS handling

Our software allows you to make additional reports and graphs from previously archived vehicles data. Report module is run from event browser and choosing **Reports** tab (Configuration > Advanced > Reports). Next step to follow is to mark relevant check boxes for advanced reporting.



Report data refreshes once a day at midnight by default, although manual update is also possible.

2.1 Handling

Archived PRS data is stored in NET Professional Archive: Tools -> Browse Archives

Data browser is launched by event browser button . LPR tab is responsible for data analysis.

The screenshot shows the VDR software interface. At the top, there are tabs for Photos, POS, VCA, LPR, System, and Reports. Below the tabs, there are filters for Licence number, Direction, Status, and Stayed longer than. A search bar is also present. The main area displays a table with columns: Licence number, Plate, Dir, Time, Status, Owner, Source, Arrived, and Region. Below the table, there is a camera feed showing a white car with license plate PO 7C953 and a person icon.

Licence number	Plate	Dir	Time	Status	Owner	Source	Arrived	Region
WGD0958M	GD 0958M		2016-05-18 10:10	Unknown		Camera 3		MAZOWIECKIE Garwolin
PO7C953	PO 7C953		2016-05-18 10:10	Unknown		Camera 3		WIELKOPOLSKIE Poznań
GWE03L2	GWE 03L2		2016-05-18 10:10	Unknown		Camera 3		POMORSKIE Wejherowo
GLE42HE	GLE 42HE		2016-05-18 10:10	Unknown		Camera 3		POMORSKIE Lębork
GD719AW	GD 719AW		2016-05-18 10:10	Unknown		Camera 3		POMORSKIE Gdańsk
GD631KV	GD 631KV		2016-05-18 10:10	Unknown		Camera 3		POMORSKIE Gdańsk
GD248AC	GD 248AC		2016-05-18 10:10	Unknown		Camera 3		POMORSKIE Gdańsk
LWI751EF	L 751EF		2016-05-18 10:11	Unknown		Camera 3		łódzkie
GKA4RM8	GKA 4RM8		2016-05-18 10:11	Unknown		Camera 3		POMORSKIE Kartuzy

Abilities:

- Filtering by licence number – full or partial (Fuzzy matching box has to be checked then)
- Direction:
 - All
 - Arrive
 - Leave
- Status:
 - All
 - Unknown
 - Ignored
 - Authorized
 - Not authorized
- Stayed longer than: hours counter

2.2 Reports

Report results are displayed in table, depending on chosen filters. ,  icons and dropdown-menu have the same meaning as in transaction browser. Arrows icons let to change range of dates for past/next day/month/year (depending on fields **From** and **To**).

Report settings:

- **Report type:**
 - LPR Vehicle counter
 - LPR Vehicle stay length
- **Report data:** Number of cars, average stay length
- **Scale:** timescale for reports (minute/hour/day etc.)
- **Statistics:** only for sorting by particular variable – time (Sum, average, etc.)

Group by:

- DVR - recorder
- Camera
- Region
- Time