

Video analytics system for cities
and business

VEZHA

Four light blue L-shaped brackets are arranged in a square pattern around the central text.

VEZHA

User Guide for VEZHA License Plate Recognition Plugin

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Description of VEZHA ALPR

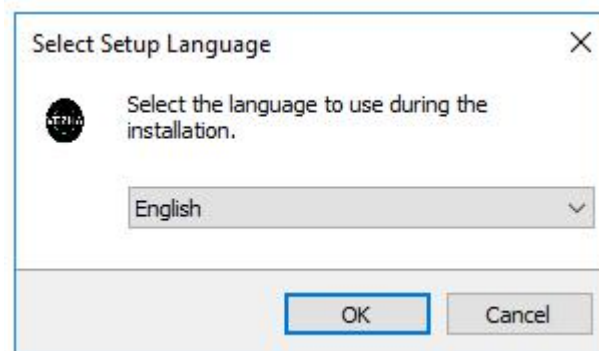
VEZHA ALPR is developed to collect and store a number of data about vehicles:

- 1) Date and time of stay of vehicles in a certain area;
- 2) A frame with a vehicle as evidence (photo fixation);
- 3) Number and make of the car or other vehicle, its color;
- 4) Vehicle direction and route determination.

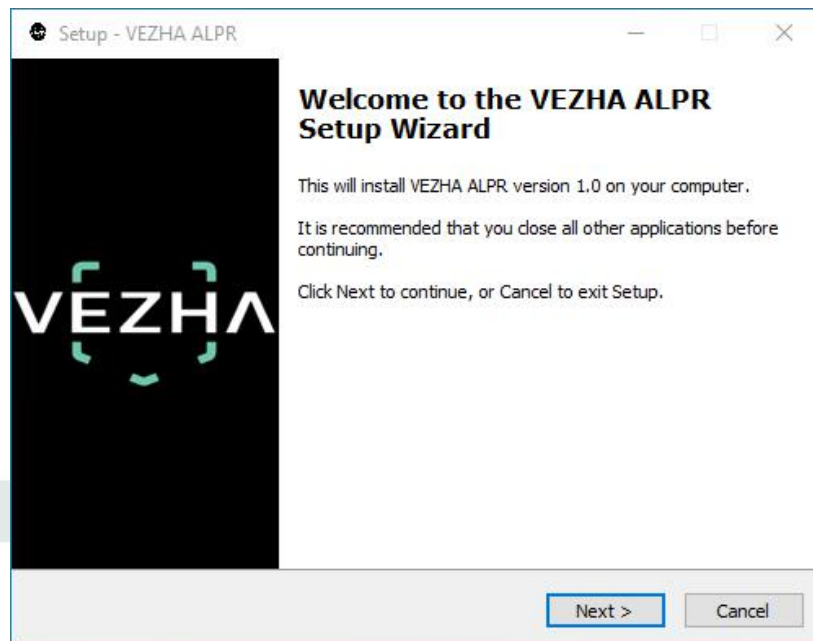
1. Installation

1) Launch the installer by double-clicking the downloaded file with the left mouse button
ALPR_Setup.

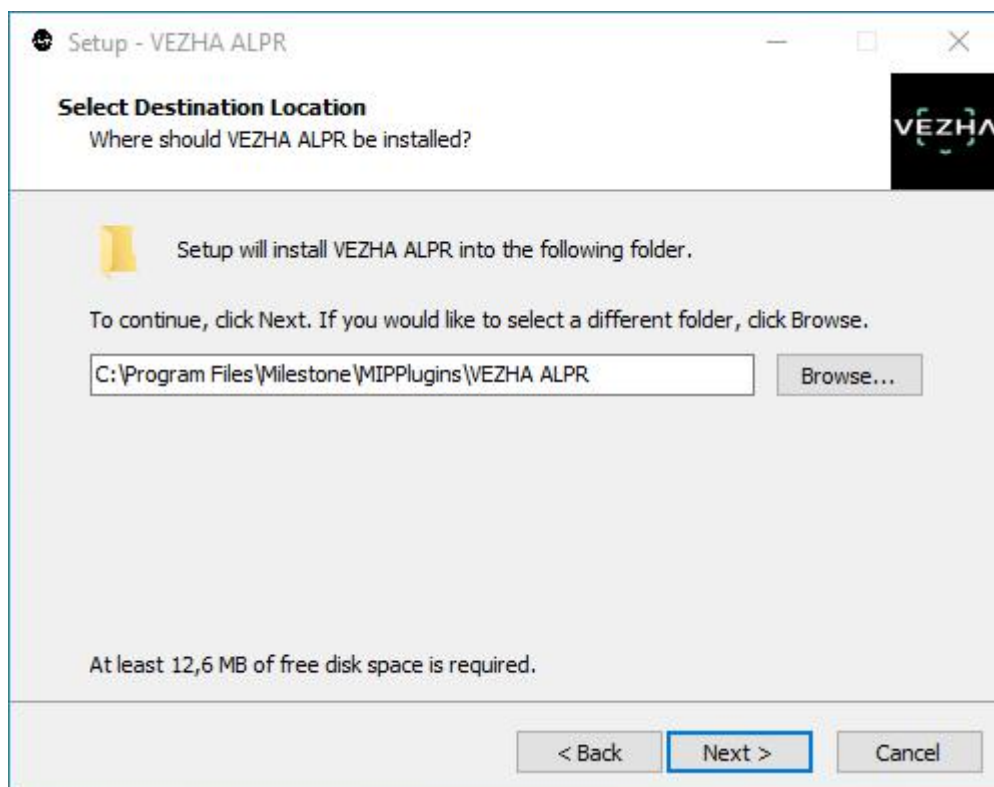
2) In the window that opens, select the language that will be used during the installation process. To go further, click **OK**. To abort the installation, click **Cancel**.



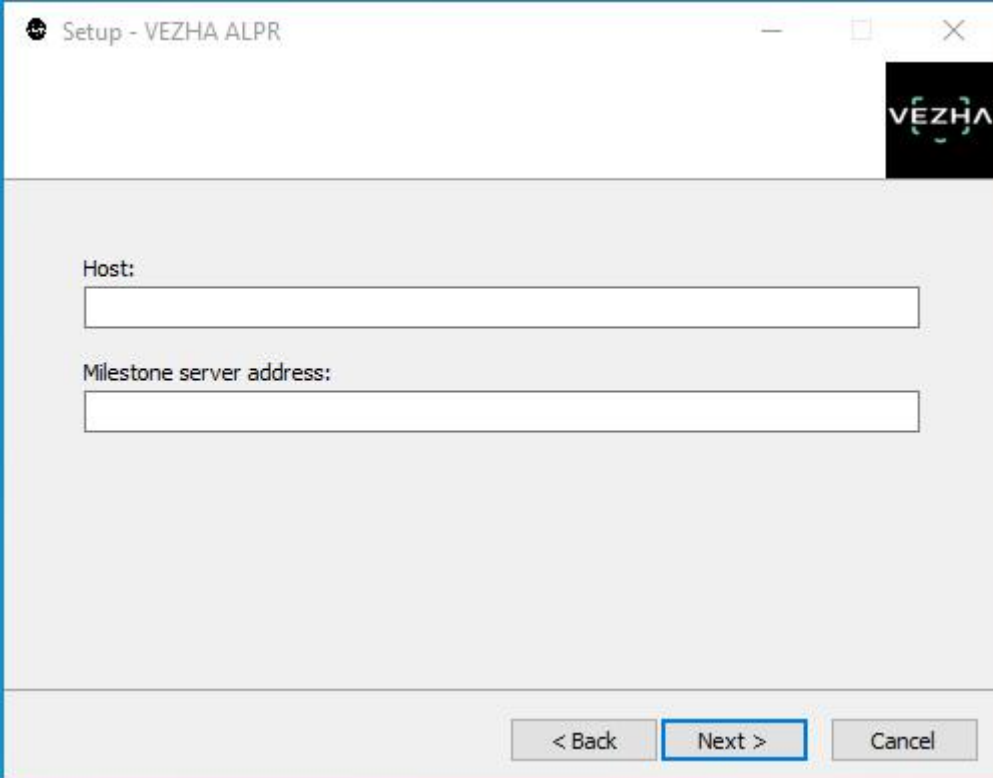
3) In a new window, read the installation recommendations and click **Next** to continue the installation, or the **Cancel** button to abort the installation.



4) In the **Select Destination Location** window using the **Browse** button, specify the place where you want to install the plugin. The plugin must be installed in the **Milestone** folder with other plugins. After selecting the desired folder, click **Next** to continue the installation or **Cancel** to abort the installation.

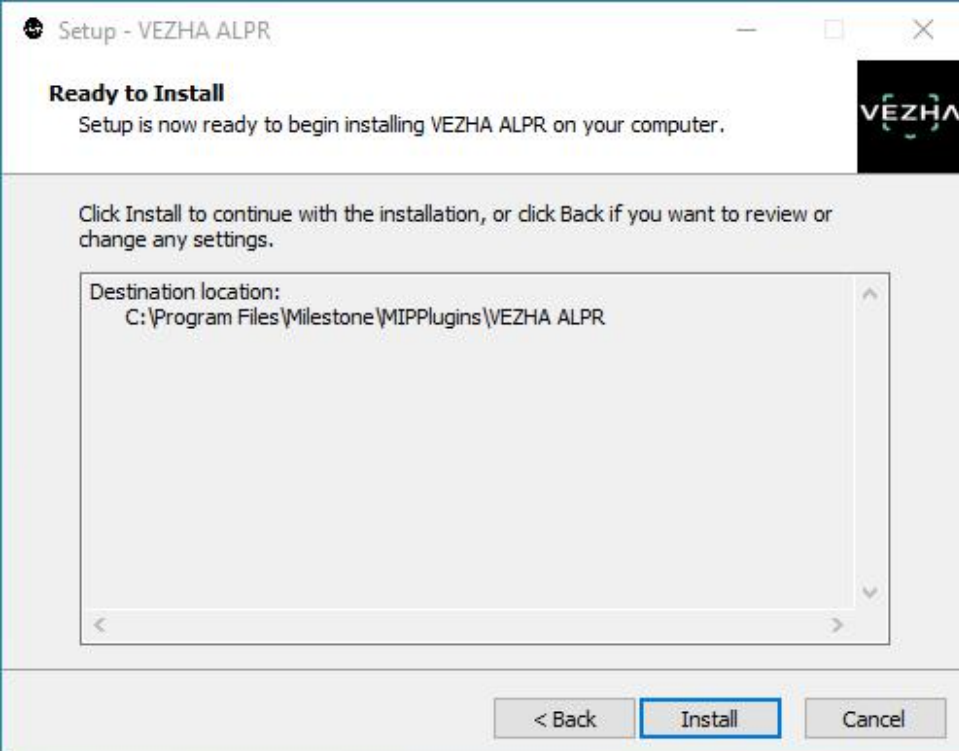


- 5) In this window, for correctly program work, you must correctly fill the fields and click **Next** to continue the installation or **Cancel** to abort the installation.



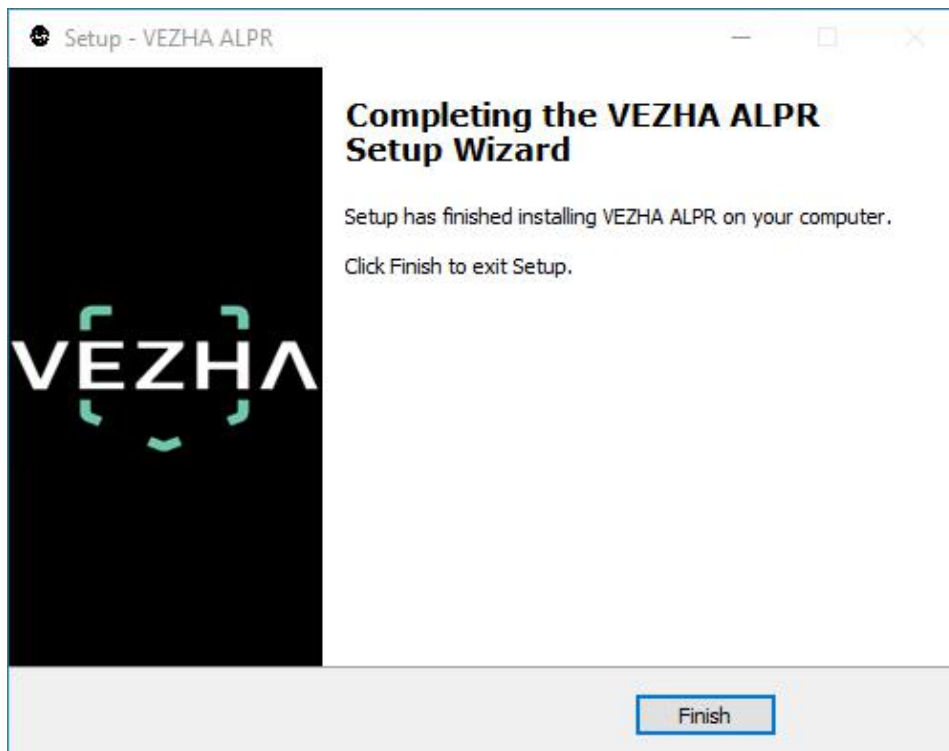
The screenshot shows a Windows-style window titled "Setup - VEZHA ALPR". In the top right corner, there is a small VEZHA logo. The main area contains two text input fields. The first is labeled "Host:" and the second is labeled "Milestone server address:". At the bottom of the window, there are three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

- 6) Click **Install** to start installation.



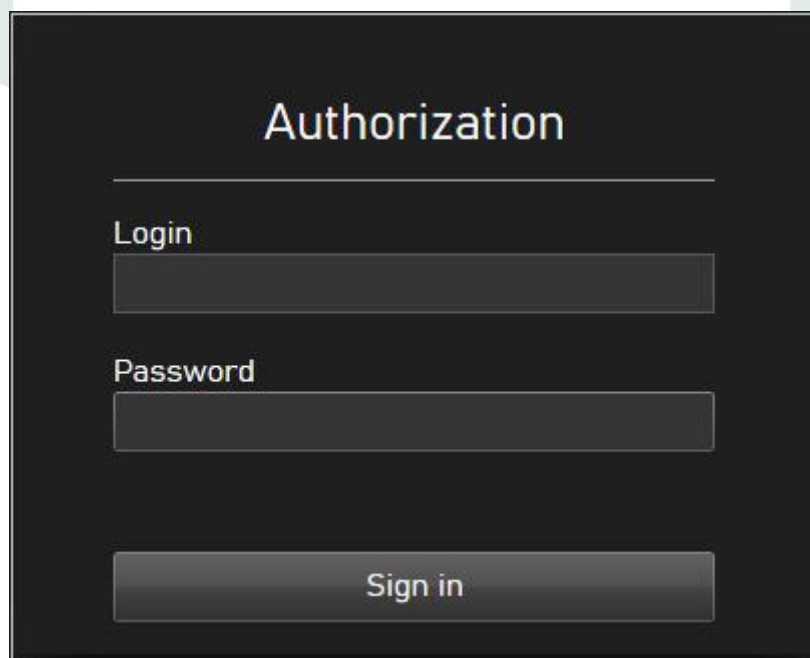
The screenshot shows the same "Setup - VEZHA ALPR" window, but now it is in the "Ready to Install" stage. The title bar remains the same. Below the title bar, the text "Ready to Install" is displayed in bold, followed by "Setup is now ready to begin installing VEZHA ALPR on your computer." Below this, there is a message: "Click Install to continue with the installation, or click Back if you want to review or change any settings." A text box labeled "Destination location:" contains the path "C:\Program Files\Milestone\MIPPlugins\VEZHA ALPR". At the bottom, there are three buttons: "< Back", "Install" (highlighted with a blue border), and "Cancel".

After the installation is completed, click **Finish**.




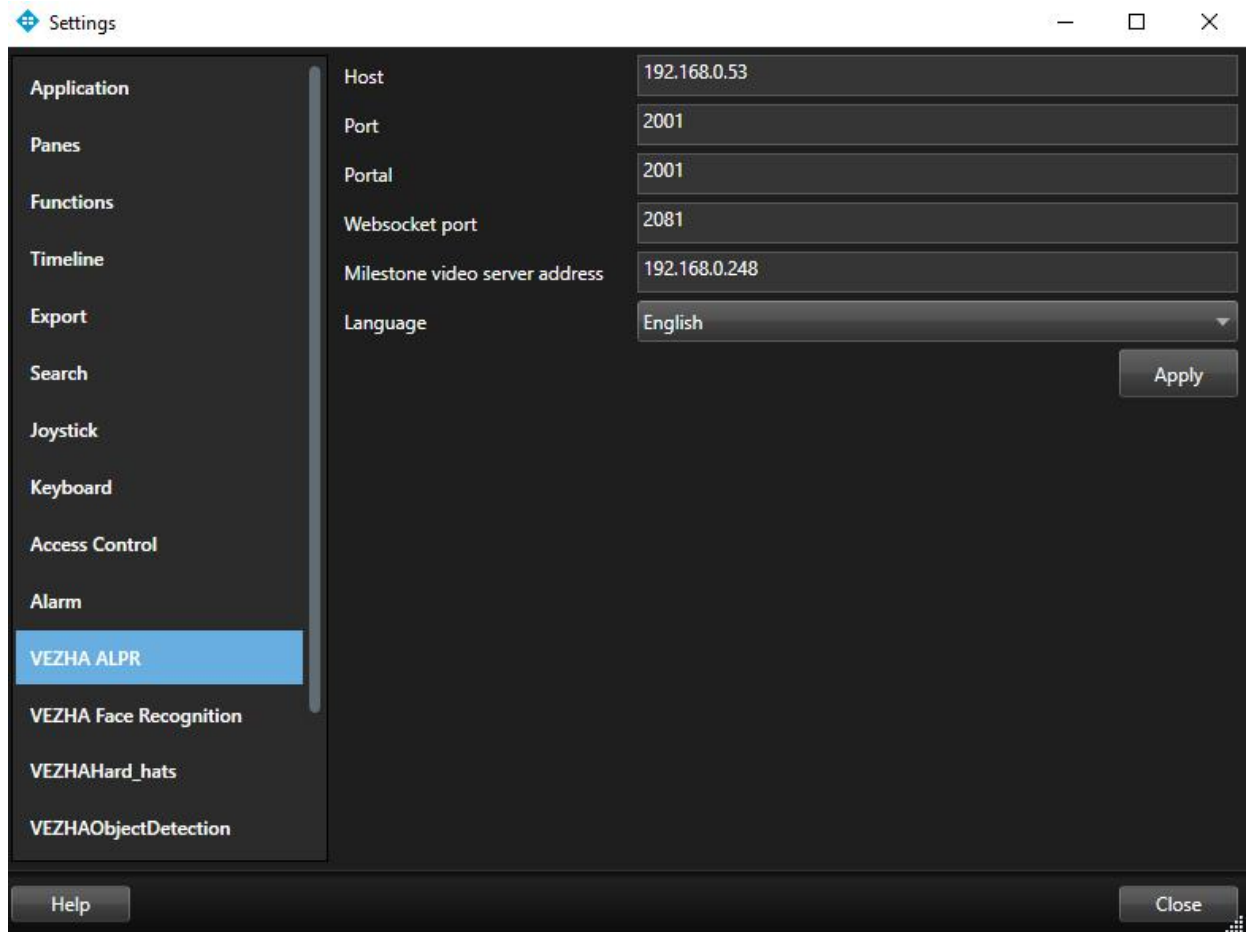
2. Log In

To enter the system you need to go through authorization. To do this, enter the **Username** and **Password** in the appropriate fields of the modal window and click **Login**.

A dark-themed modal window titled "Authorization". It contains two input fields: "Login" and "Password". Below the input fields is a "Sign in" button.

3. Settings

In order to open the **VEZHA ALPR** settings, click the icon  in the upper right corner of the screen. Select and click **Settings**. In the window that opens, select the **VEZHA ALPR** tab.



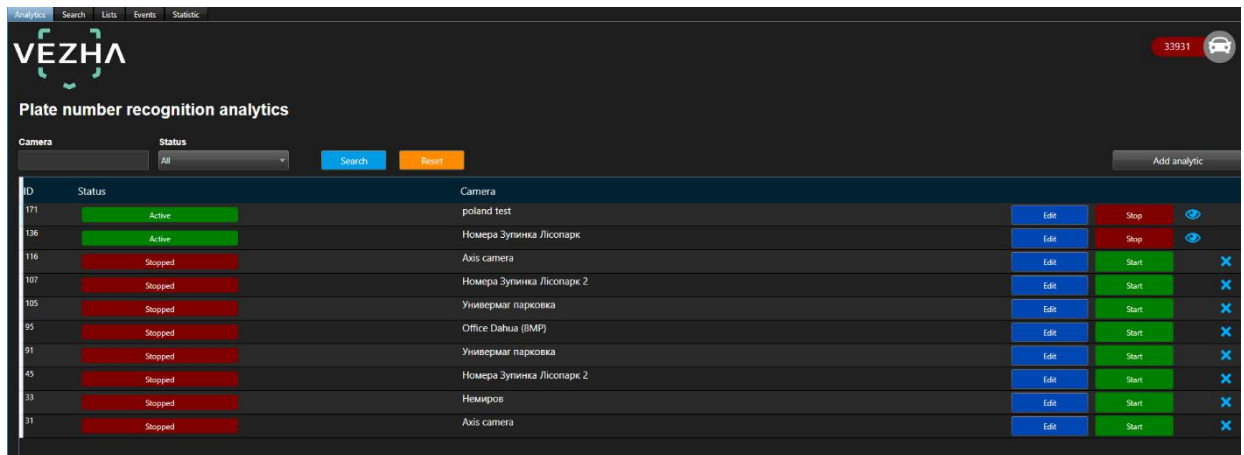
To change the server settings in the **VEZHA ALPR** tab, you can edit the following fields: **Host**, **Port**, **Portal**, **Websocket port**, **Milestone video server address**.

To change the language, use the **Language** field and select from the list the most convenient for you.

To make changes, click **Apply** and reload the plugin.

4. ALPR Analytics

This tab is developed to view the list of analytics with the ability to add, edit, delete analysts, view video from active analysts in real time.



ID	Status	Camera	Edit	Stop	Start	Eye
171	Active	poland test	Edit	Stop	Start	Eye
136	Active	Номера Зугинка Лисопарк	Edit	Stop	Start	Eye
116	Stopped	Axis camera	Edit	Start	Start	X
107	Stopped	Номера Зугинка Лисопарк 2	Edit	Start	Start	X
105	Stopped	Универмаг парковка	Edit	Start	Start	X
95	Stopped	Office Dahua (BMP)	Edit	Start	Start	X
91	Stopped	Универмаг парковка	Edit	Start	Start	X
45	Stopped	Номера Зугинка Лисопарк 2	Edit	Start	Start	X
33	Stopped	Немиров	Edit	Start	Start	X
31	Stopped	Axis camera	Edit	Start	Start	X

4.1 Analytics Search

At the top of the screen is a search field.

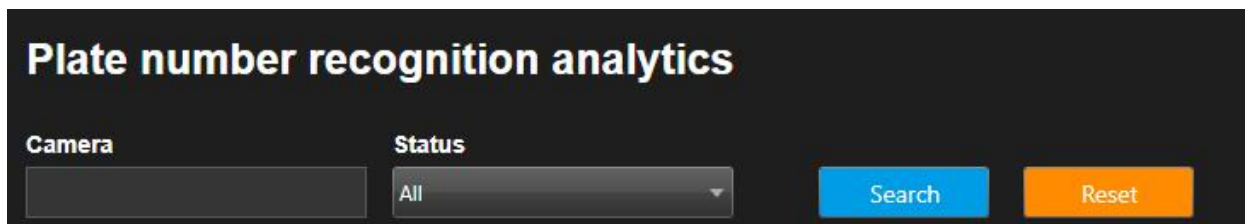


Plate number recognition analytics

Camera:

Status: All

Search Reset

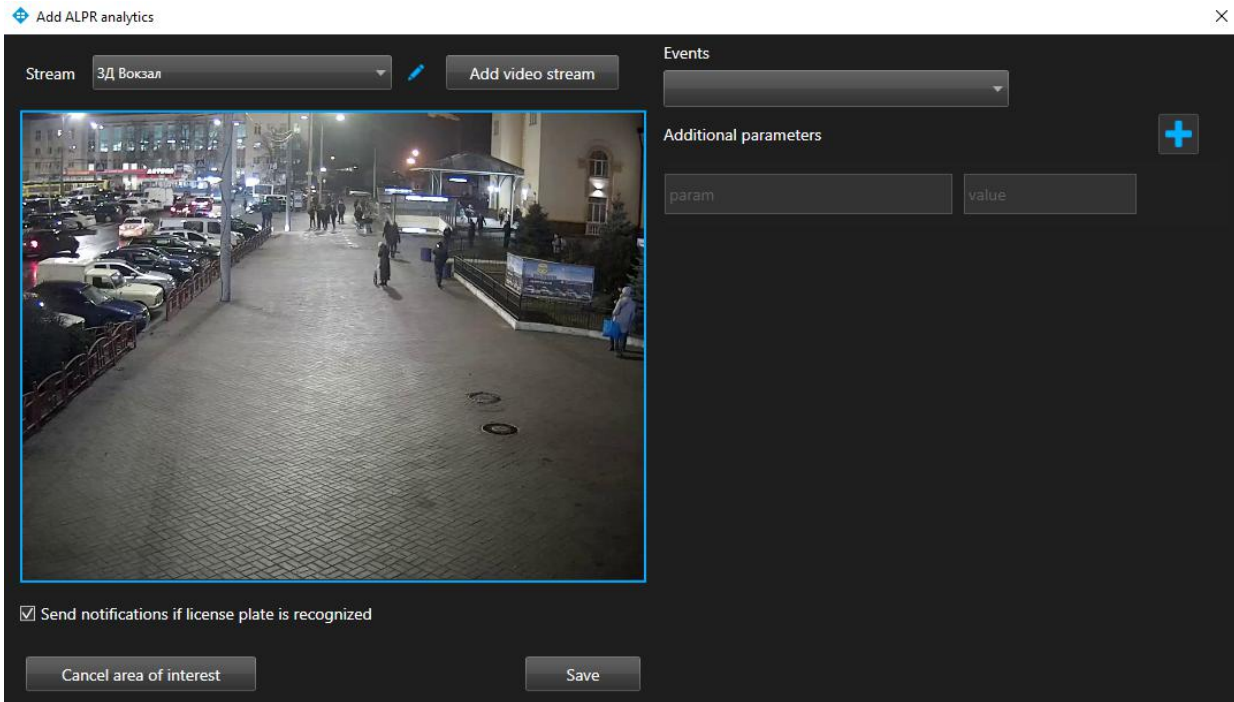
To find the analytics you need, enter the name of the camera or select the analytics status.



To start the search, click the **Search** button.


4.2 Adding of analytics

To add a new license plate analytics, click **Add analytics** in the upper right corner of the screen.

In the window that opens, fill the fields:



Field name	Recommended value
Stream	Click on the field and select a name from the drop-down list cameras. The video stream will be used to create analytics.
Send notifications if license plate is recognized	Check the box “Send notifications if license plate is recognized” to create your own event to send notifications. Event manager is designed to create vehicle notifications (depending on incoming parameters)
Events	Select events from the drop-down list. For this event notifications will be sent to the services indicated in the events.
Additional parameters	<p>If necessary, you can add additional parameters for their further use when creating an event. Fill the parameter fields.</p> <p>To add parameters press button  .</p> <p>In way to remove parameters press  .</p>

In way to edit analytics  to the right of the analytics name. In order to create new analytics click **Add video stream**.

Name: Soborna str

Login:

Password:

Camera: AXIS P1375-E Network Camera (192.168.0.148) - Камера 5

Camera address: вулиця Лізи Чайкіної, 39, Vinnytsia, Vinnyts'ka oblast, Ukraine, 21000

49,2246341433926 28,4329476111145

Camera direction: [Slider]

Map Satellite

Car accessories store

Gas station

Fortuna-Avto

Secret de Beaute Beauty salon

Keletska Street

Keletska Street

Lialy Ratushnoi St

Лялі Ратушної

Лялі Ратушної Ст

Микола Амосов Лп

Map data ©2020 Google Terms of Use

Apply

In the opened window fill the fields:

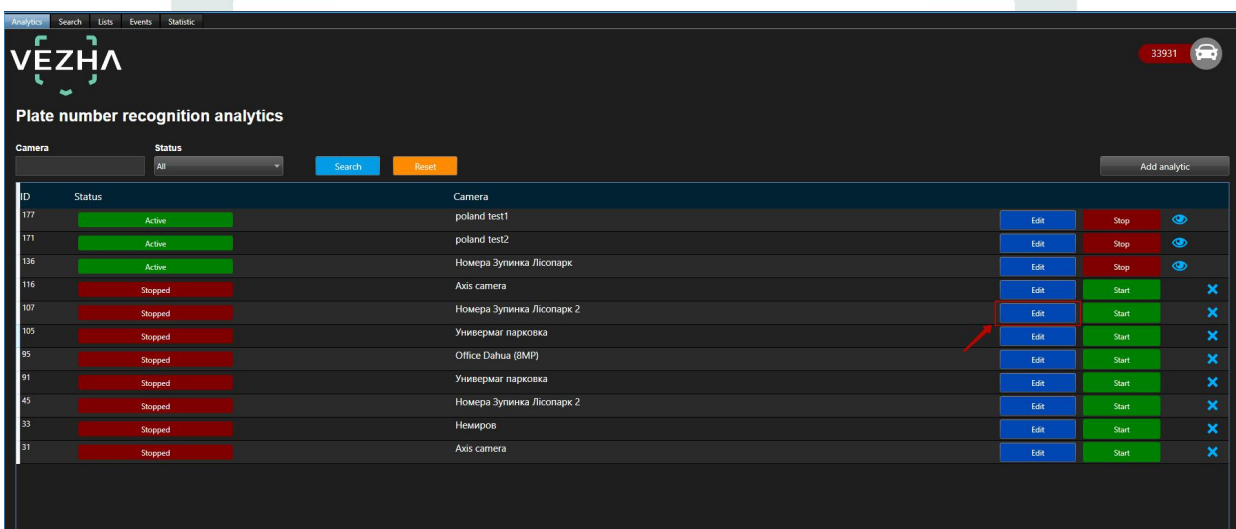
- Name** - enter the name of the video stream in the field. This field will be displayed in all components of the program that use video streams.
 - Login** - enter the name of the current user in the field.
 - Password** – enter password.
 - Camera** - select a camera from the drop-down list.
 - Camera address** - enter the address in the field, or select on the map below the location of the camera. The system will automatically determine the location coordinates.
 - Camera direction** - drag the slider to change the direction of the camera. Indication of camera rotation helps in determining the direction of the vehicle.
- To save the changes, click **Apply**.

Add area of interest

1. Add a camera into a field **Video stream**.
2. A video from the added camera will appear below the **Video Stream** field.
3. **Add area of interest**.
License plate recognition will take place in the exposed area.
To cancel a area of interest, click **Cancel area of interest**.
In way to create analytics, click **Save**.

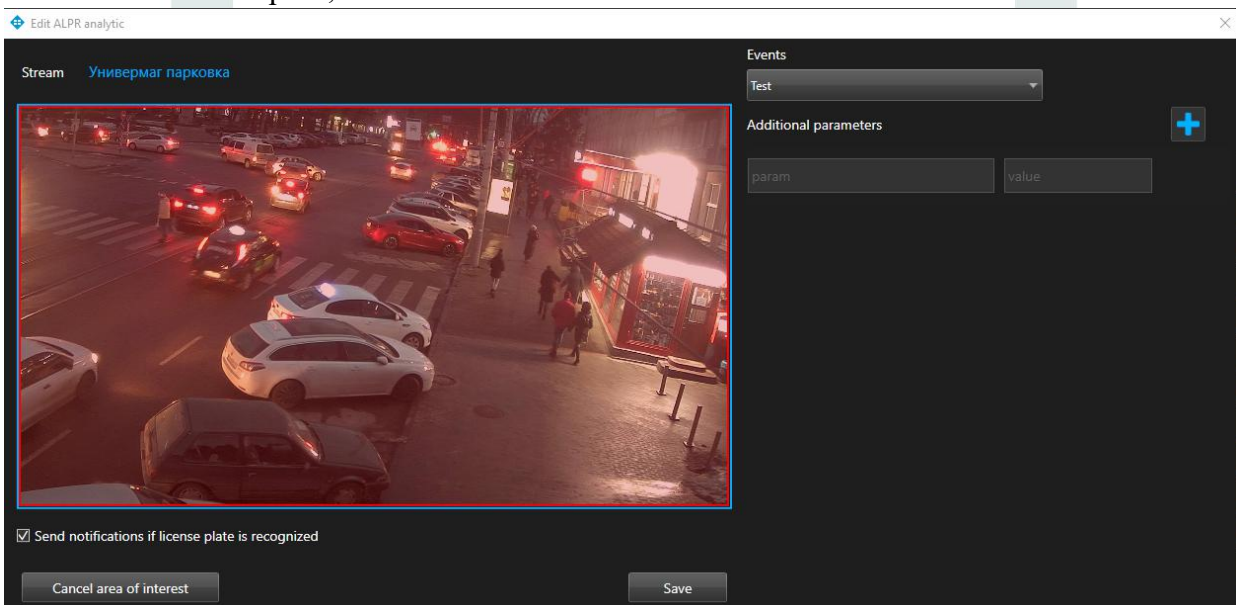
4.3 Editing, changing status, viewing and deleting analytics

To edit analytics, click the **Edit** button on the right side of the record.



ID	Status	Camera	Edit	Stop	Start	Close
177	Active	poland test1	Edit	Stop		Close
171	Active	poland test2	Edit	Stop		Close
136	Active	Номера Зулінка Лісопарк	Edit	Stop		Close
116	Stopped	Axis camera	Edit	Start		Close
107	Stopped	Номера Зулінка Лісопарк 2	Edit	Start		Close
105	Stopped	Універмаг парковка	Edit	Start		Close
95	Stopped	Office Dahua (BMP)	Edit	Start		Close
91	Stopped	Універмаг парковка	Edit	Start		Close
45	Stopped	Номера Зулінка Лісопарк 2	Edit	Start		Close
33	Stopped	Неміров	Edit	Start		Close
31	Stopped	Axis camera	Edit	Start		Close

In the window that opens, fill the fields:





Stream: **Універмаг парковка**

Events: Test

Additional parameters: param, value

Send notifications if license plate is recognized

Cancel area of interest | Save


Field name	Recommend value
Send notification if license plate is recognized	Fill checkbox “ Send notifications if license plate is recognized ” to create your own event to send notifications. Event manager is developed to send vehicle notifications (depending on incoming parameters)
Events	Select events from the drop-down list. For this event notifications will be sent to the services indicated in the events.
Additional parameters	If necessary, you can add additional parameters for their further use when creating an event. Fill the fields with parameters, to add a parameter click on button  . To remove parameters click  .

Add area of interest

1. Add a camera into a field **Video Stream**.
2. A video from the added camera will appear below the **Video Stream** field.
3. **Add an area of interest**. Click in the area where the video from the camera is located and set the area of interest. License plate recognition will take place in the exposed area. To cancel area of interest, click **Cancel area of interest**.

To create analytics, click **Save**.


To start / stop the video stream, press the **Start / Stop** button.

To delete a video stream, click .

To view video stream, click .

Analytic review Номера Зуїника Лісопарк

242 Зуїинка лісопарк Avigilon 3.0C-H4A-BO2-IR (60.198)



AB 0964 BI White FORD FIESTA 2008-2016	AB 7066 EA Black RENAULT SCENIC 2003-2009	AM 3850 CT Gray
312-27 KX White VAZ 2108(2109) 1984-2004 VAZ 1102 1987-2007 VAZ 2113(2114) 2005-2014	AB 0535 CX Gray NISSAN LEAF 2010-2017	AB 2579 EM White VOLKSWAGEN GOLF 2008-2013
AB 3805 CP White RENAULT MASTER 2010-2019	AB 9484 AE White DAEWOO LANOS 1996-2002	DZD595 White PEUGEOT 206 1998-2009

Number	Brand	Date
DCD595	PEUGEOT 206 1998-2009	05-03-2020 10:53:32
AB 2579 EM	VOLKSWAGEN GOLF 2008-2013	05-03-2020 10:53:30
AM 3850 CT		05-03-2020 10:53:29
AB 9484 AE	DAEWOO LANOS 1996-2002	05-03-2020 10:53:28
AB 0535 CX	NISSAN LEAF 2010-2017	05-03-2020 10:53:25
AB 7066 EA	RENAULT SCENIC 2003-2009	05-03-2020 10:53:22
AB 3805 CP	RENAULT MASTER 2010-2019	05-03-2020 10:53:22
312-27 KX	VAZ 2108(2109) 1984-2004 ZAZ 1102 1987-2007 VAZ 2113(2114) 2005-2014	05-03-2020 10:53:21
AB 0964 BI	FORD FIESTA 2008-2016	05-03-2020 10:53:18
AB 6171 EI		05-03-2020 10:53:17
	VAZ 2105 1979-2010	05-03-2020 10:52:59

5. Search

Analytics Search Lists Events Statistic

VEZHA

33931

Search


Number: Period: Camera:

Search Reset

All All Manufacturers All Model Default Year

1 of 115801 1 To page Export: JSON Excel

Number	Brand	Color	Direction	Camera	Video	Date
AB7036AX		White	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:58
AB1404AP	VOLKSWAGEN PASSAT-VARIANT 2010-2015	Gray	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:55
AB0299EP	BMW X5F15 2014-2018	Gray	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:48
AB2963FA	RENAULT LOGAN-2 2013-2018	White	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:46
AB6690EI	VOLKSWAGEN TRANSPORTER-T5(16) 2003-2019	White	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:44
AB842BEK	MAZDA 3 2004-2009	White	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:42
AB5714EM	DAEWOO LANOS-T150 1996-2002	Gray	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:42
AB219BEM	BMW 7-SERIES 2001-2005	Gray	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:40
AB9323BK	VOLKSWAGEN TRANSPORTER-T4 1990-2003	White	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:38
AB5429CT	FORD TRANSIT 1994-2008	Gray	↖	Номера Зуїинка Лісопарк		04-03-2020 09:32:36



Номера Зуїинка Лісопарк 04-03-2020 09:32:58

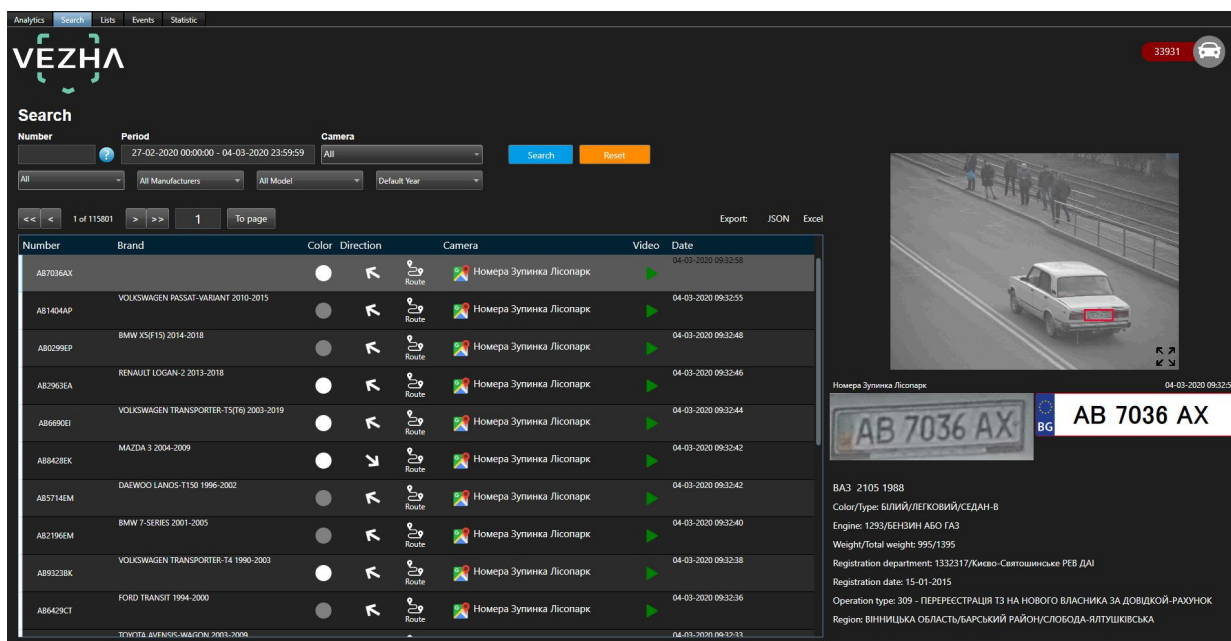
AB 7036 AX

AB 7036 AX

ВАЗ 2105 1988
Color/Type: БІЛИЙ/ЛЕГКОВИЙ/СЕДАН-В
Engine: 1293/БЕНЗИН АБО ГАЗ
Weight/Total weight: 995/1395
Registration department: 1332317/Кірово-Святошинське РЕВ ДАІ
Registration date: 15-01-2015
Operation type: 309 - ПЕРЕРЕЄСТРАЦЯ ТЗ НА НОВОГО ВЛАСНИКА ЗА ДОВІДКОЙ-РАХУНОК
Region: ВІННИЦЬКА ОБЛАСТЬ/БАРСЬКИЙ РАЙОН/СЛЮБОДА-ВІЛТУШКІВСЬКА

In order to find the right vehicle, fill the fields:

1. **Number** - enter the vehicle number in the field.
 2. **Period** - select the time period for which you want to search.
 3. **Camera** – mark the cameras that will be used for a search.
 4. **Color** - select the required color of the vehicle in the field.
 5. **Make** - select the brand of vehicle you want to find.
 6. **All models** - choose the necessary vehicle model.
 7. **All years** - choose the year of the vehicle.
- Click **Search** to display the search results. Click **Reset** to clear the input fields.
Search results are shown in the table below:



The screenshot shows the VEZHA search interface. At the top, there are navigation tabs: Analytics, Search, Lists, Events, and Statistic. The Search section includes input fields for Number, Period (27-02-2020 00:00:00 - 04-03-2020 23:59:59), and Camera (All). There are Search and Reset buttons. Below the search fields, there are dropdown menus for All, All Manufacturers, All Model, and Default Year. A pagination bar shows 1 of 115801 records. To the right, there is a video player showing a car on a road. Below the video player, there is a license plate image and a detailed vehicle record for license plate AB 7036 AX.


Number	Brand	Color	Direction	Camera	Video	Date
AB7036AX		White	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:58
AB1404AP	VOLKSWAGEN PASSAT-VARIANT 2010-2015	Grey	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:55
AB0299EP	BMW X5(F15) 2014-2018	Grey	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:48
AB2963EA	RENAULT LOGAN-2 2013-2018	White	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:46
AB6690EI	VOLKSWAGEN TRANSPORTER-T5(T6) 2003-2019	White	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:44
AB8428EK	MAZDA 3 2004-2009	White	Left	Номера Зупинка Лисопарк		04-03-2020 09:32:42
AB5714EM	DAEWOO LANOS-T150 1996-2002	Grey	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:42
AB2196EM	BMW 7-SERIES 2001-2005	Grey	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:40
AB9323BK	VOLKSWAGEN TRANSPORTER-T4 1990-2003	White	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:38
AB6429CT	FORD TRANSIT 1994-2000	Grey	Right	Номера Зупинка Лисопарк		04-03-2020 09:32:36
	TOYOTA AUVENSIS-WAGON 2003-2009					04-03-2020 09:32:33

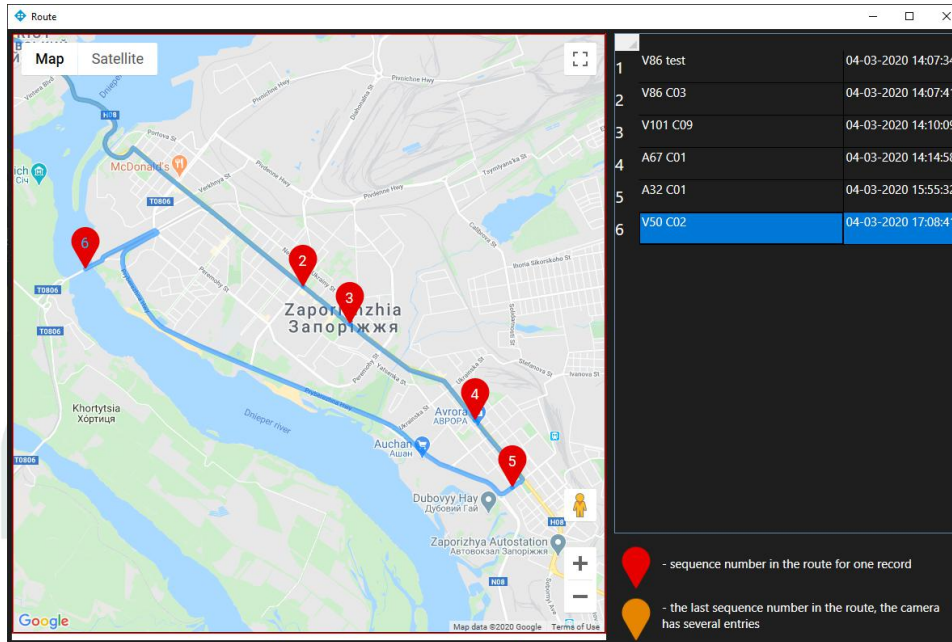
Vehicle details for AB 7036 AX:

- BAZ: 2105 1988
- Color/Type: БІЛИЙ/ЛЕГКОВИЙ/СЕДАН-В
- Engine: 1293/БЕНЗИН АБО ГАЗ
- Weight/Total weight: 995/1395
- Registration department: 1332317/Києво-Святошинське РЕВ ДАІ
- Registration date: 15-01-2015
- Operation type: 309 - ПЕРЕРЕЄСТРАЦІЯ ТЗ НА НОВОГО ВЛАСНИКА ЗА ДОВІДКОЙ-РАХУНОК
- Region: ВІННИЦЬКА ОБЛАСТЬ/БАРСЬКИЙ РАЙОН/СЛОБОДА-ЯЛТУШКІВСЬКА

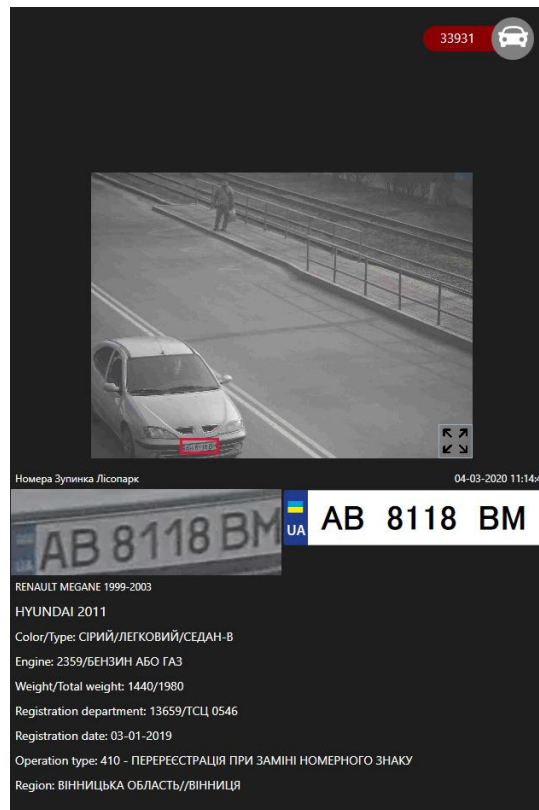
5.1 Work with license plate records

The list of vehicle records consists of the fields: number, make, color, direction, camera, video, date.

After pressing  will be shown the route of vehicle.



When you click on the vehicle's record, a picture of the vehicle from the camera and information about the vehicle are displayed on the right side of the screen.

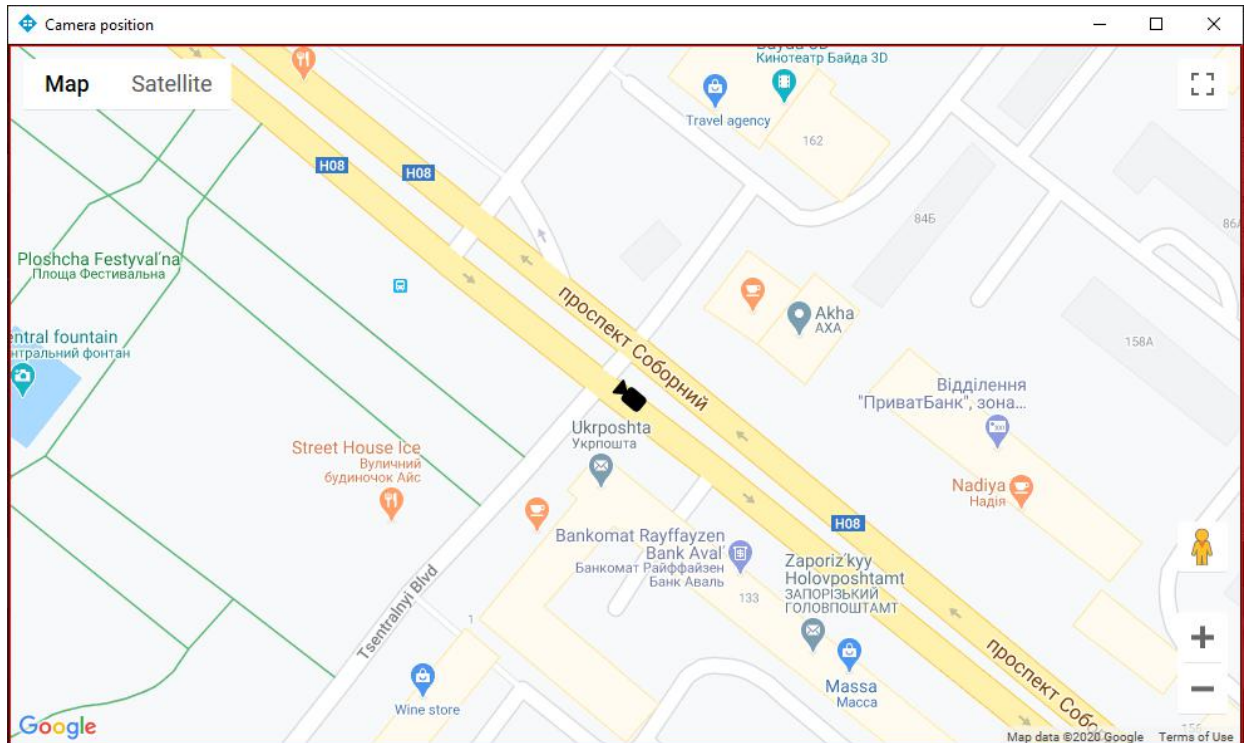




By clicking on , you can view the record of vehicle movement from the camera.

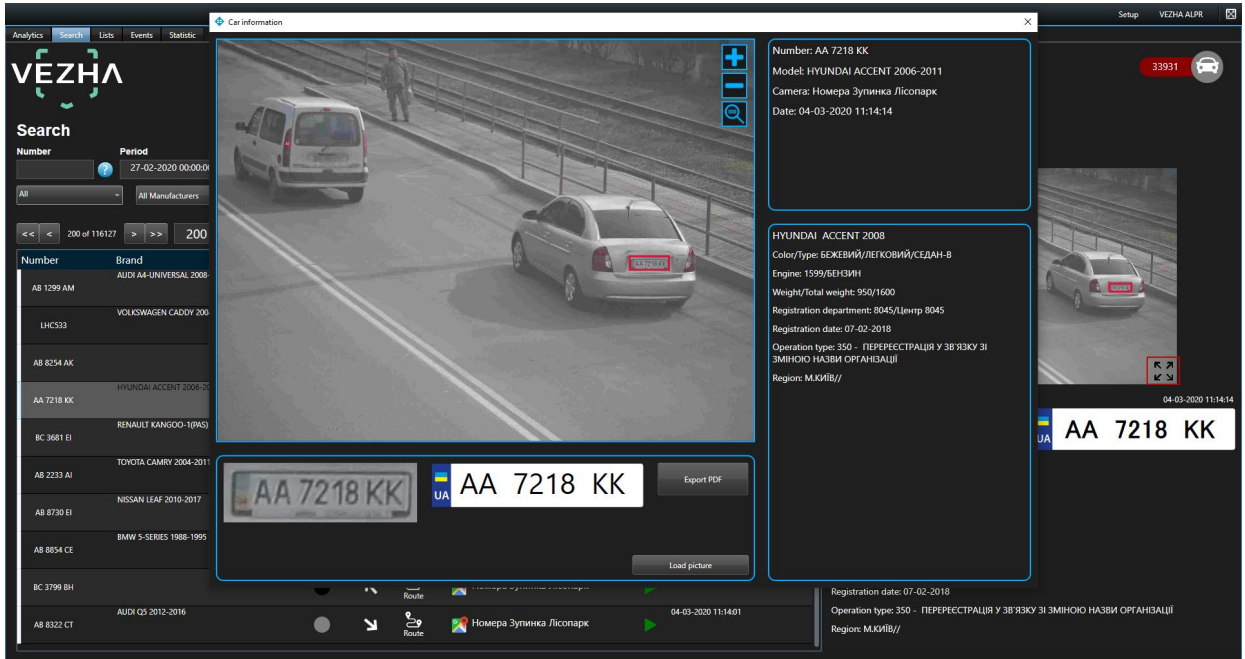


When you click on , a window appears showing the location of the camera.



The list of found records can be exported in **JSON** or **Excel** format. To do this, click **JSON** or **Excel**.

Click on the image zoom button to view detailed information about the vehicle in a new window.



Car information

Number: AA 7218 KK
 Model: HYUNDAI ACCENT 2006-2011
 Camera: Номера Зупинка Лісопарк
 Date: 04-03-2020 11:14:14

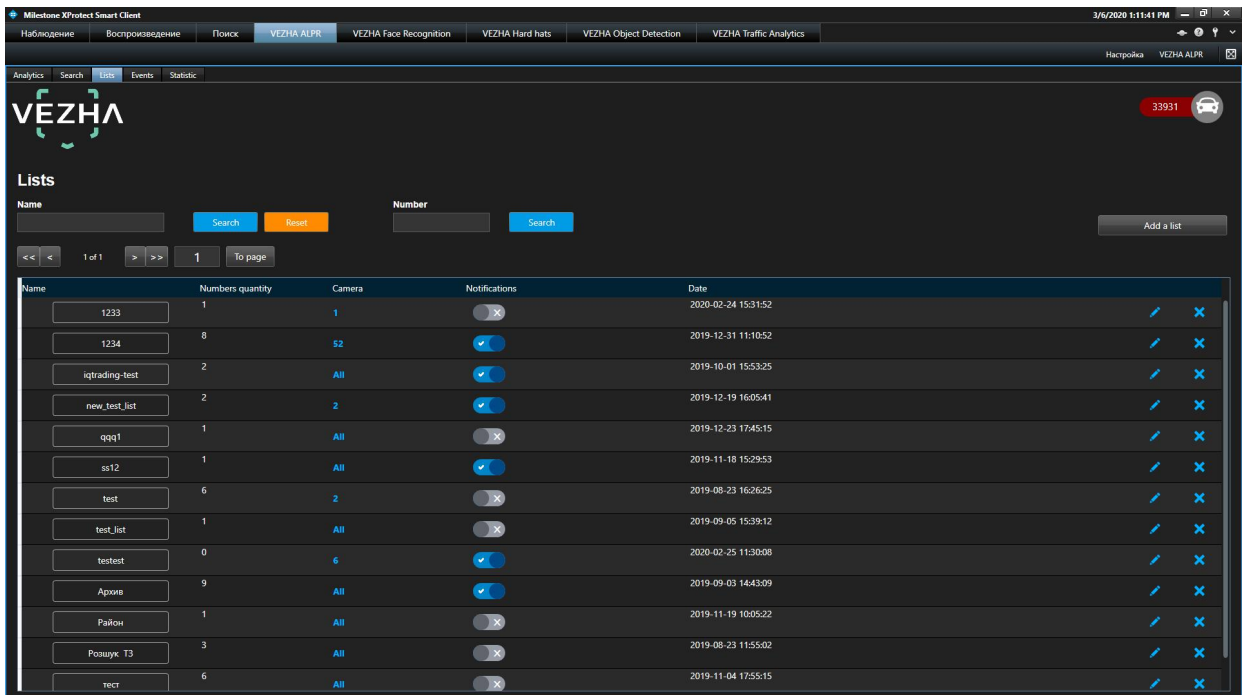
HYUNDAI ACCENT 2008
 Color/Type: БЕЖЕВИЙ/ЛЕГКОВИЙ/СЕДАН-В
 Engine: 1599/БЕНЗИН
 Weight/total weight: 950/1600
 Registration department: 8045/Ленінр 8045
 Registration date: 07-02-2018
 Operation type: 350 - ПЕРЕРЕСТРАЦІЯ У ЗВ'ЯЗКУ ЗІ ЗМІНОЮ НАЗВИ ОРГАНІЗАЦІЇ
 Region: М.КИЇВ//

AA 7218 KK

Registration date: 07-02-2018
 Operation type: 350 - ПЕРЕРЕСТРАЦІЯ У ЗВ'ЯЗКУ ЗІ ЗМІНОЮ НАЗВИ ОРГАНІЗАЦІЇ
 Region: М.КИЇВ//

6.Lists

This section is intended to create a registration database of vehicles for their subsequent recognition.

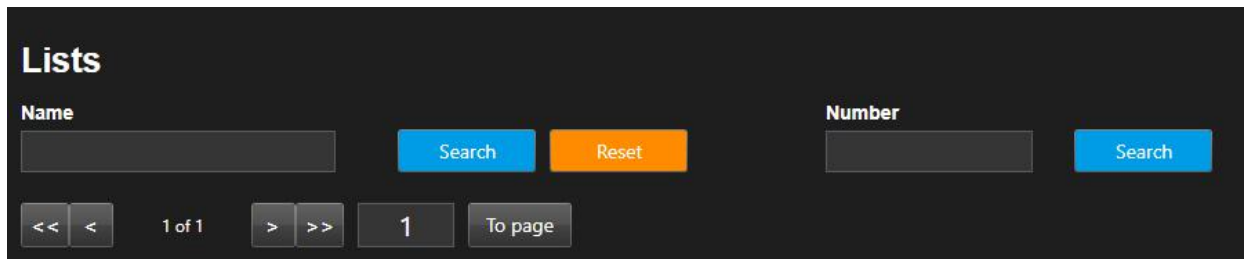


Lists

Name	Numbers quantity	Camera	Notifications	Date
1233	1	1	<input type="checkbox"/>	2020-02-24 15:31:52
1234	8	S2	<input checked="" type="checkbox"/>	2019-12-31 11:10:52
igtrading-test	2	All	<input checked="" type="checkbox"/>	2019-10-01 15:53:25
new_test_list	2	2	<input checked="" type="checkbox"/>	2019-12-19 16:05:41
qqq1	1	All	<input type="checkbox"/>	2019-12-23 17:45:15
ss12	1	All	<input checked="" type="checkbox"/>	2019-11-18 15:29:53
test	6	2	<input type="checkbox"/>	2019-08-23 16:26:25
test_list	1	All	<input type="checkbox"/>	2019-09-05 15:39:12
testtest	0	6	<input checked="" type="checkbox"/>	2020-02-25 11:30:08
Архів	9	All	<input checked="" type="checkbox"/>	2019-09-03 14:43:09
Район	1	All	<input type="checkbox"/>	2019-11-19 10:05:22
Розшир. ТЗ	3	All	<input type="checkbox"/>	2019-08-23 11:55:02
тест	6	All	<input type="checkbox"/>	2019-11-04 17:55:15

6.1 Lists Search

At the top of the screen is located a search field.



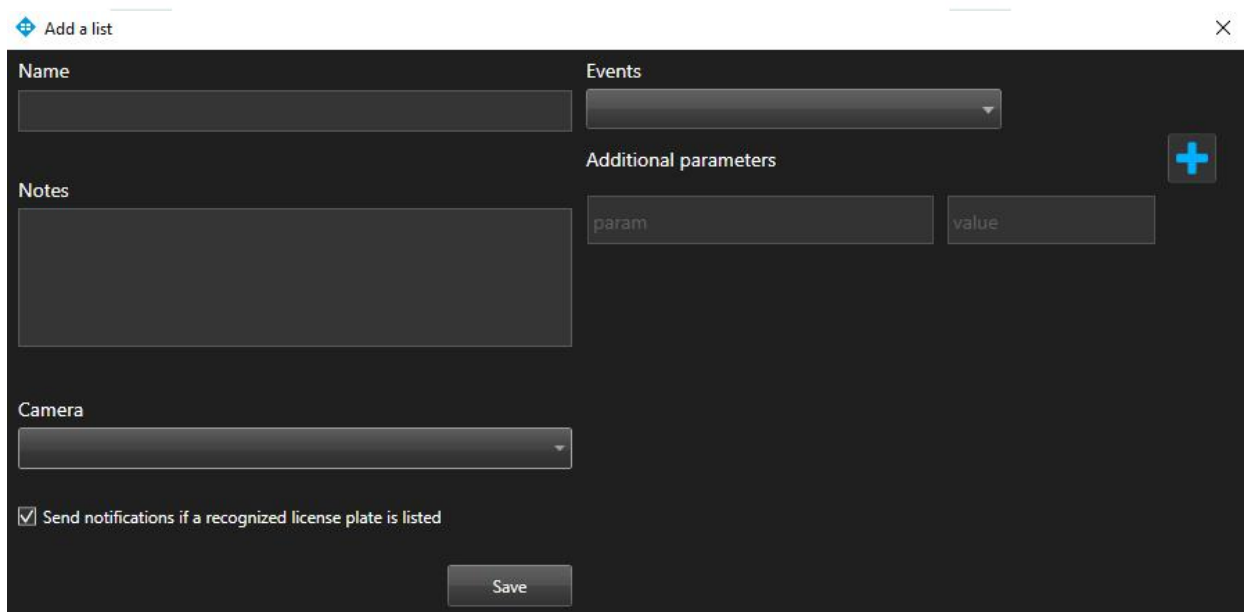
In order to find the desired list of the lists section, enter its name in the search field.

Click **Search** to display the results.



To find the desired number from the lists, enter it in the **Number** field and click **Search**.
Click **Reset** to clear the input fields.

6.2 Adding and editing of lists

To add a new record, click **Add List** in the upper right corner of the screen.



In the opened window fill the fields:

Field name	Recommended Value
Name	Enter a name for the entry in the field. This field will be displayed in all components of the program that use this record.
Notes	This field is intended to describe the purpose of creating records. Enter a description of the record in the Notes field.
Camera	Click on the field and select cameras from the drop-down list. The selected cameras will search for vehicles funds with the specified number.
Send notifications if a recognized license plate is listed	Check the box "Send notifications if recognized number "to create your own event (event) to send notifications. Event manager is designed to create vehicle notifications (depending on incoming parameters).
Events	Select events from the drop-down list. For this event, notifications will be sent to the services indicated in the events.
Additional parameters	If necessary, you can add additional parameters for their further use when creating an event. Fill parameters. To add parameter click button add  . To remove parameter click  .

In way to apply changes click **Save**.

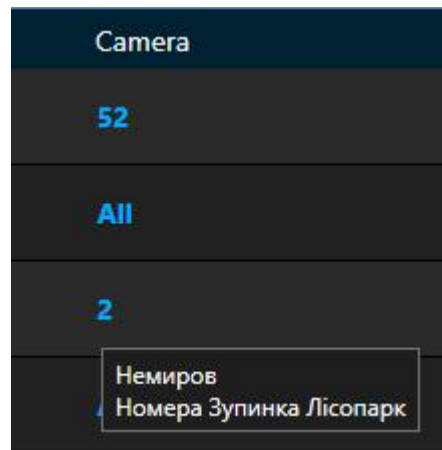
To remove record click  in the right side of the screen.

To stop or activate a notification, set the status slider to the appropriate position.




6.3 View Lists

To view information about the cameras that are being monitored in the list, move the mouse over the number of cameras in the list record.



To view information about the list, click on its name.

When clicked, you will go to the list view tab. To go back click  at the left side of the tab.

The screenshot shows the VEZHA web interface. At the top, there are navigation tabs for 'Analytics', 'Search', 'List', 'Events', and 'Statistic'. The main header displays the VEZHA logo and a user profile icon with the number 33931. Below the header, the page title is 'Viewing list "1234"'. There are input fields for 'Number' and 'Period', along with 'Find' and 'Reset' buttons. A pagination bar shows '1 of 1' records. The main content area contains a table with the following data:

Number	Comment	Author	Date		
13134	any	admin	04-02-2020 16:03:20		
ABS0088A		admin	05-02-2020 10:57:58		
AB7686AK		admin	13-02-2020 12:38:00		
AB9931EK		admin	31-12-2019 11:12:43		
LIA/71EV		admin	24-01-2020 12:20:02		
ROTHYSKAVTD		admin	23-01-2020 12:53:48		
SG0962		admin	13-01-2020 16:18:46		
VEZHAWEB		admin	24-01-2020 12:28:56		

On the right side, there is a sidebar with the following information:

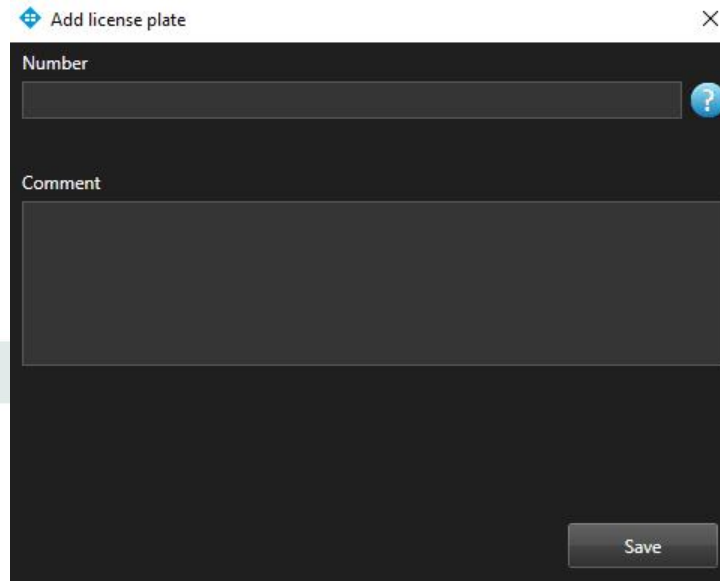
- Name: 1234
- Notes: any
- Numbers quantity: 8
- Camera: 52
- Notifications: Send

At the bottom of the sidebar, there are 'Delete' and 'Edit' buttons. In the top right corner of the main content area, there is an 'Add license plate' button.

6.3.1 Add and edit license plate number

To add a new record, click **Add license plate** in the upper right corner of the screen.

In the window that opens, fill the fields:

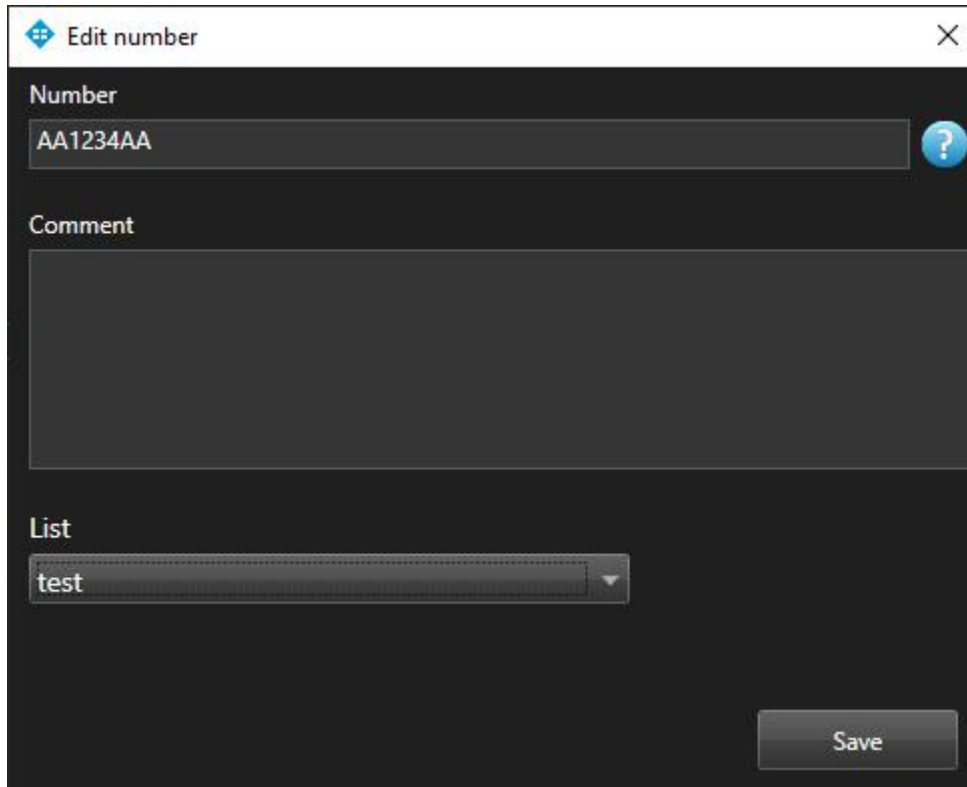


Field name	Recommended value
Number	Enter the number of the vehicle you want to find in the field. Search will done using the cameras that were selected when creating the list.
Comment	Enter the text of the notification that will be received upon detection of vehicle.

In way to create record click **Save**.

To edit record click  at the right side of the record.

In the window that opens fill the fields:



Field name	Recommended value
Number	Enter the number of the vehicle you want to find in the field. The search will take place on the cameras that were selected during creating a list.
Comment	Enter the text of the notification that will be used after vehicle detection.
List	To change the list in which the number is located, select another list.

In way to apply changes click **Save**.

In way to export card of license plate number into pdf click **Export to PDF**.

To view a frame from a recording, click on the **Frame** in the right part of the recording.


Frame



To accept the notification on yourself, click **Accept** on the right side of the record.

By clicking on , you can view the record of vehicle movement from the camera.

When you click on  window will appear showing the location of the camera.

When you click on  window will appear on which the vehicle path is displayed.
Click the zoom icon to view a larger image.

7. Events

This section is intended for viewing the history of notifications about vehicles.

The screenshot shows the VEZHA Events page with a search and filter interface at the top and a table of events below. The table columns are: Name, Comment, List, Number, Camera, Object, Brand, Date, Video, Frame, and Accepted By. The table contains 10 rows of data, each representing a vehicle notification with a license plate image and a 'Frame' button.

Name	Comment	List	Number	Camera	Object	Brand	Date	Video	Frame	Accepted By
AB8794BX	ava	Апреле	AB8794BX	Номера Зупинка Лисопарк	AB 8794 BX		04-03-2020 07:59:33		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK		03-03-2020 13:22:52		Frame	Accept
AB5008BA		1234	AB5008BA	Номера Зупинка Лисопарк	AB 5008 BA	FORD FOCUS 2007-2011	02-03-2020 15:43:37		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK		02-03-2020 13:35:33		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK	MERCEDES BENZ-SPRINTER 2000-2010 VOLKSWAGEN LT-35 1996-2006	02-03-2020 13:24:42		Frame	Accept
AB5008BA		1234	AB5008BA	Номера Зупинка Лисопарк	AB 5008 BA	FORD FOCUS 2007-2011	29-02-2020 15:02:03		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK	FORD TRANSIT 1986-1994	29-02-2020 14:39:50		Frame	Accept
AB7686AK		1234	AB7686AK	Office Дагуа (BMP)	AB 7686 AK		28-02-2020 16:58:16		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK		28-02-2020 13:24:38		Frame	Accept
AB9931EK		1234	AB9931EK	Номера Зупинка Лисопарк	AB 9931 EK		27-02-2020 13:24:41		Frame	Accept

7.1 Event search

At the top of the screen are located search fields:

The screenshot shows the search and filter interface at the top of the Events page. It includes input fields for 'Number', 'Period', 'List', and 'Accepted By', along with 'Search' and 'Reset' buttons. Below the input fields is a pagination control showing '1 of 1849' and 'To page'.


In order to find the necessary notifications you can use these fields:

- 1) **Number** – enter license plate number of vehicle.
- 2) **Period** – click on the field and select the desired time period.
- 3) **List** – click on the field and select the desired list.
- 4) **Accepted By** – click on the field and select the user who received the notifications.

Click **Search** to display the search results. Click **Reset** to clear the input fields.


7.2 Work with vehicle event records

The list of notification record consists of the fields: name, comment, list, camera, object, number, brand, date, video, frame, accepted by.

When you click on  **Route**, a window will appear showing the vehicle route.
When you click **Frame**, a window opens with a snapshot of the found vehicle.

◆ Frame



Click on the icon  to view the video with the detected vehicle.

To accept the notification click on **Accept**.


When you click on the number in the title of the notification record, you will go to the section for viewing information about this number.


Card AB9931EK
Export PDF


Car number: AB9931EK
List: 1234
Comment:
Author: admin
Created 31-12-2019 11:12:43

[Edit](#) [Delete](#)

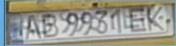

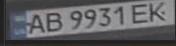

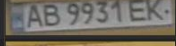

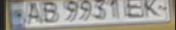

Номера Зупинка Лісопарк
Route






AB 9931 EK

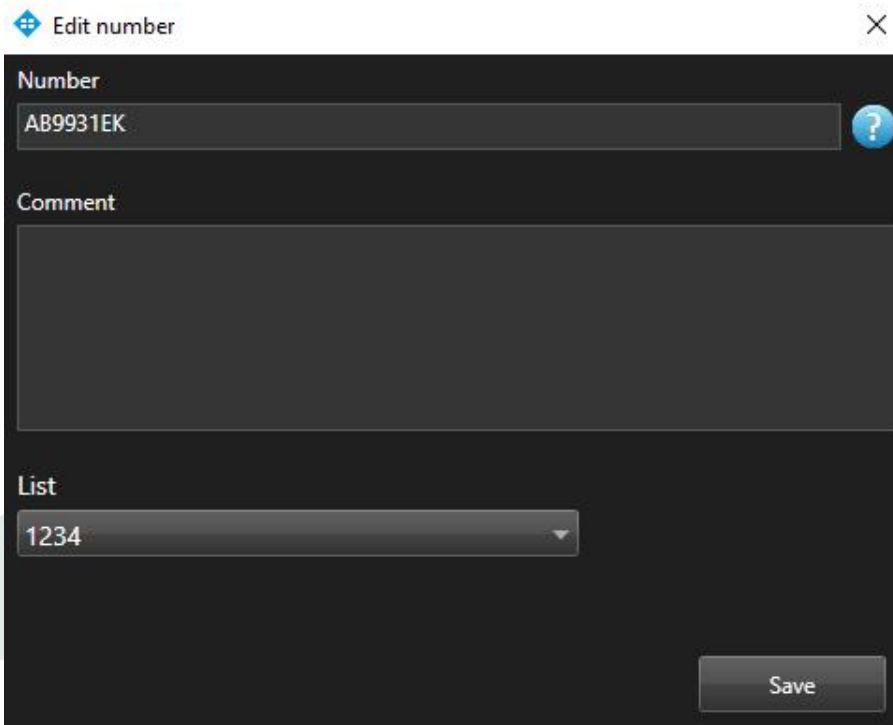
Events register

Camera	Title	Object	Brand	Date	Video	Frame	Accepted By
Номера Зупинка Лісопарк Route	AB9931EK			03-03-2020 13:22:52		Frame	Accept
Номера Зупинка Лісопарк Route	AB9931EK			02-03-2020 13:35:33		Frame	Accept
Номера Зупинка Лісопарк Route	AB9931EK		MERCEDES BENZ-SPRINTER 2000-2010 VOLKSWAGEN LT-35 1996-2006	02-03-2020 13:24:42		Frame	Accept
Номера Зупинка Лісопарк Route	AB9931EK		FORD TRANSIT 1986-1994	29-02-2020 14:39:50		Frame	Accept

Click on **Edit** to modify the vehicle record.

In the opened window, you can change the following fields:





Dialog box titled "Edit number" with fields for "Number" (AB9931EK), "Comment", and "List" (1234). A "Save" button is present at the bottom right.

Field name	Recommended value
Number	Enter the number of the vehicle you want to find in the field. Search will be done using the cameras that were selected when creating list.
Comment	Enter the text of the notification that will be received upon detection vehicle.
List	To change the list in which the number is located, select another list.

In order to accept changes, click **Save**.

In order to export the card of this vehicle number in PDF format, click on **Export PDF**.

To view a frame from the record, click on the **Frame** in the right part of the record.


Frame


x



To accept the notification on yourself, click **Accept** on the right side of the record.

By clicking on , you can view the record of vehicle movement from the camera.

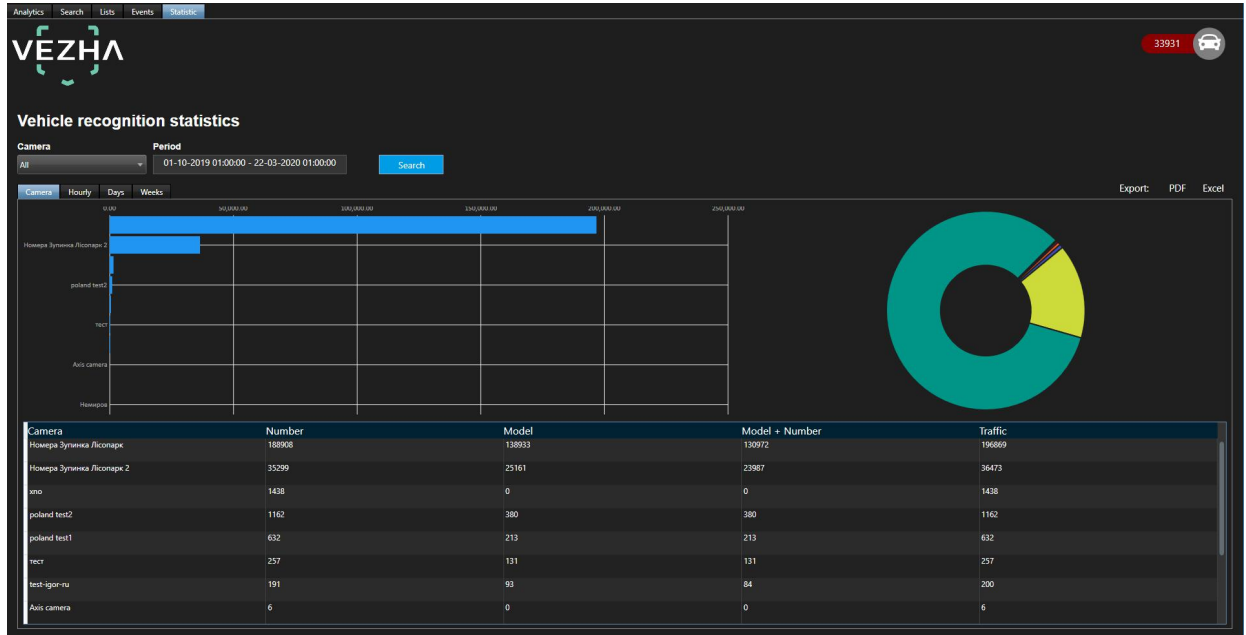
When you click on , will open the window showing the location of the camera.

When you click on  **Route**, will be opened the window, where the vehicle route is displayed.

Click the icon to view a larger image.

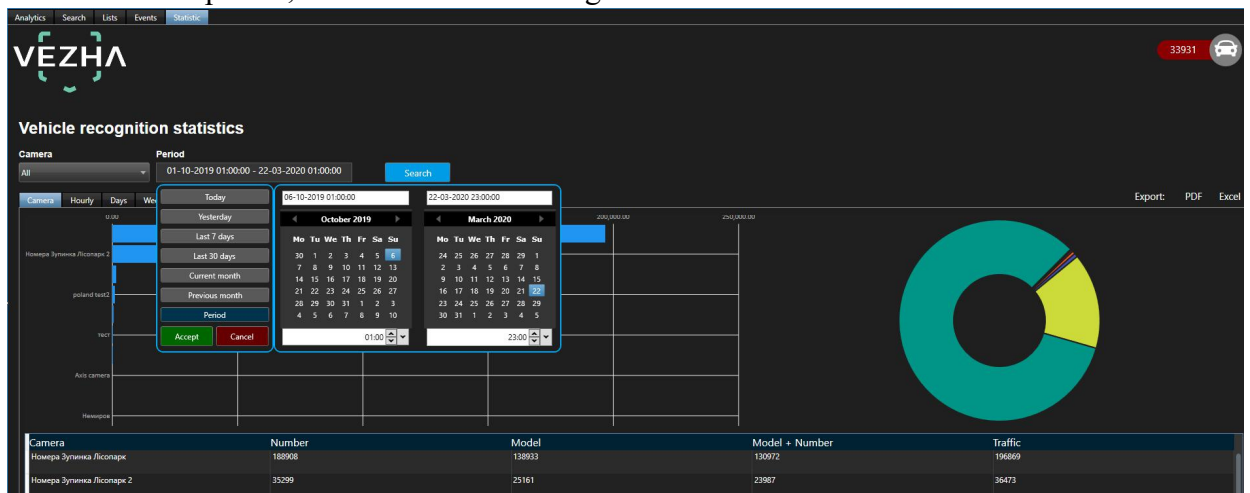
8. Statistics

Vehicle recognition statistics is developed to generate and create reports on recognized vehicles. Reports are generated by camera, hours, days and weeks.



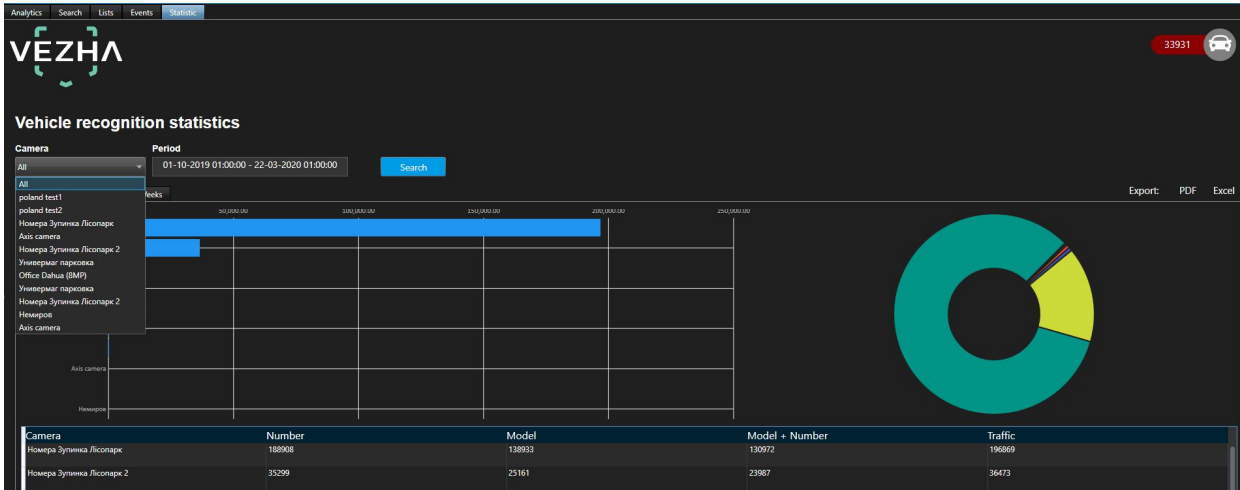
In order to filter statistics of vehicle recognition, you need:

1. Select the time period, which will be used to generate statistics.

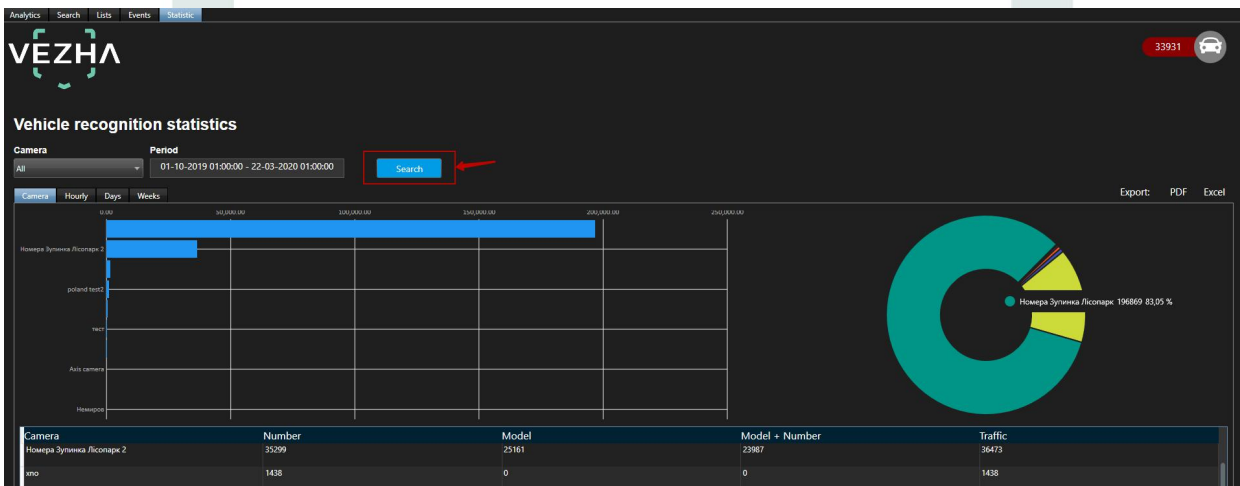


To select a period, one of the values is indicated: today, yesterday, last 30 days, this month, previous month, manually selected period (the range of days and time is indicated using the calendar).

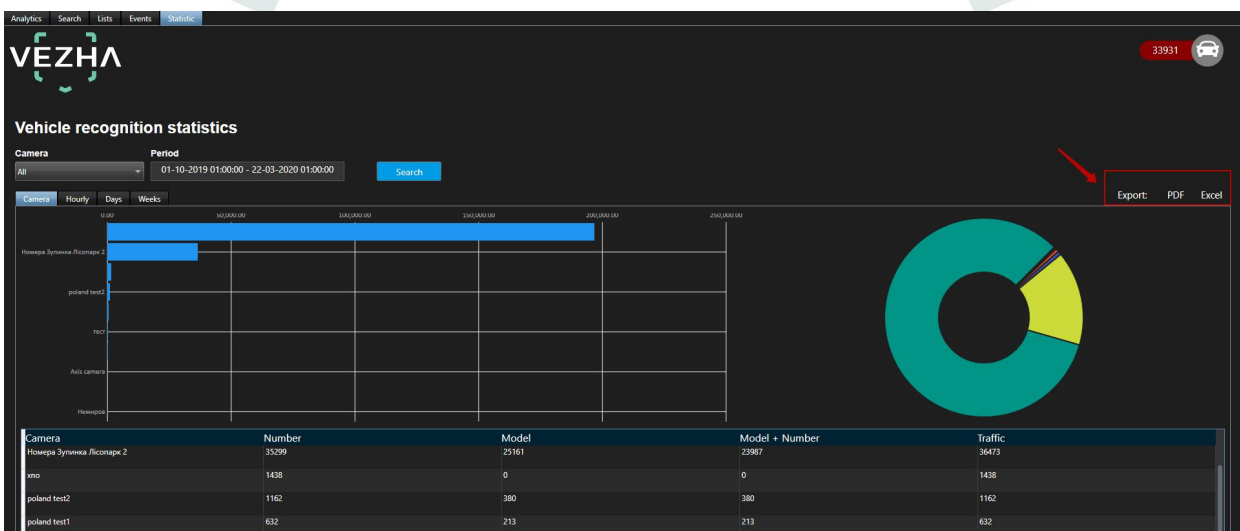
2. Select the camera with which the video stream is taken. You can select **All cameras**, or you can select a specific camera.



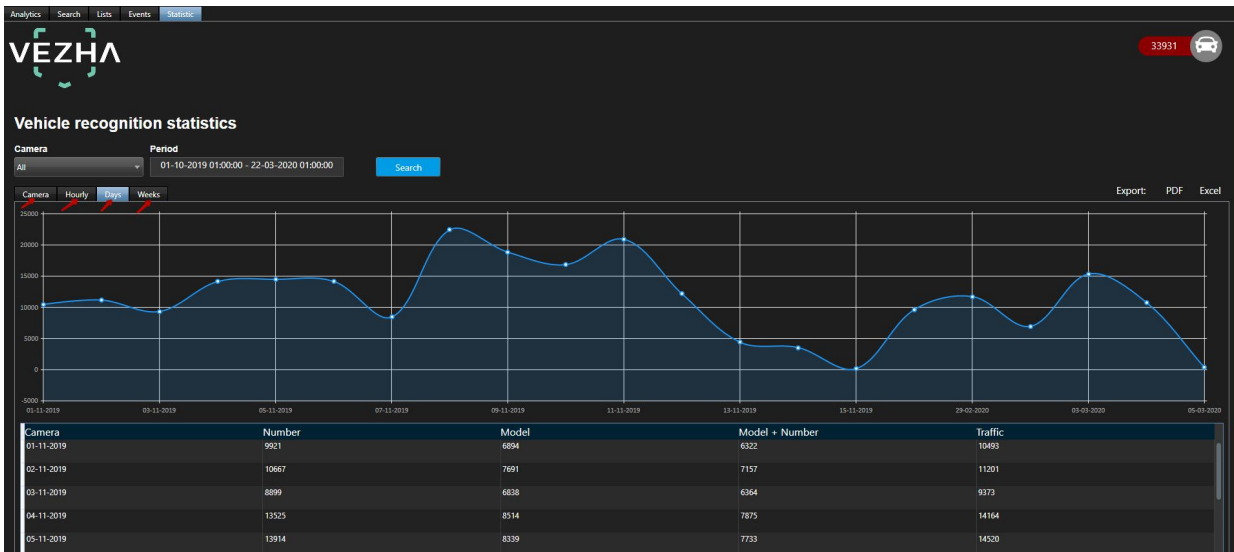
3. Click button **Search**.



To export statistics in PDF or Excel format, click **PDF** or **Excel** in the upper right corner.



To see statistics on cameras, hours, days, weeks, select the appropriate tab.



About VEZHA:

Our mission is to create a safe environment
for residents of cities of all sizes
and to help Ukrainian businesses optimize their security
and safety management processes.

For more information visit: <https://vezha.io/>



Ukraine, Vinnitsa

vezha@incoresoft.com

+38 (044) 599-30-03

Monday - Friday: 9 AM - 7PM

