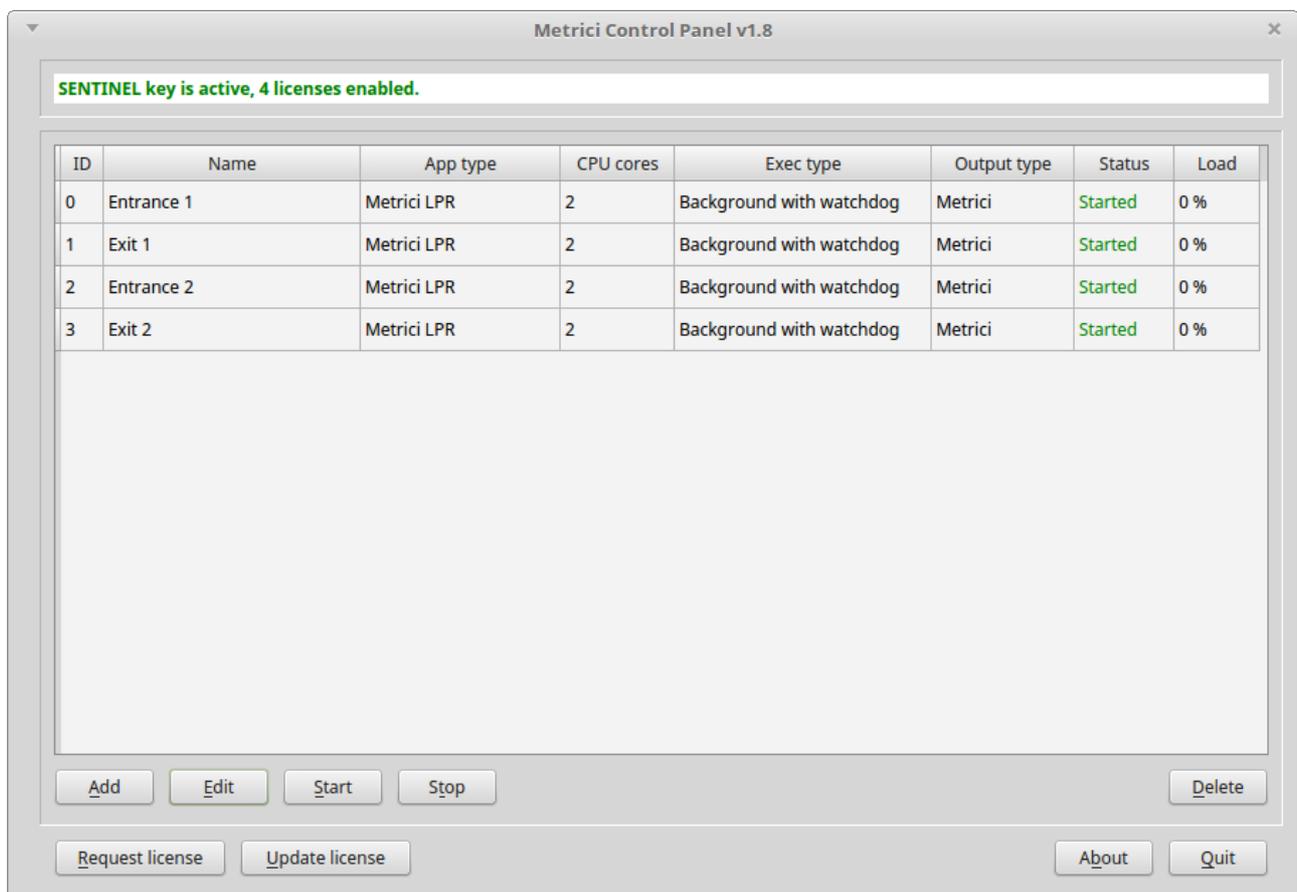


Metrici LPR - Skidata - integration

It is very easy to integrate a Metrici LPR system with a parking system made by Skidata. First, you need to install and to configure properly both the Metrici LPR and the Skidata systems, by following steps described into the user manual of each of them.

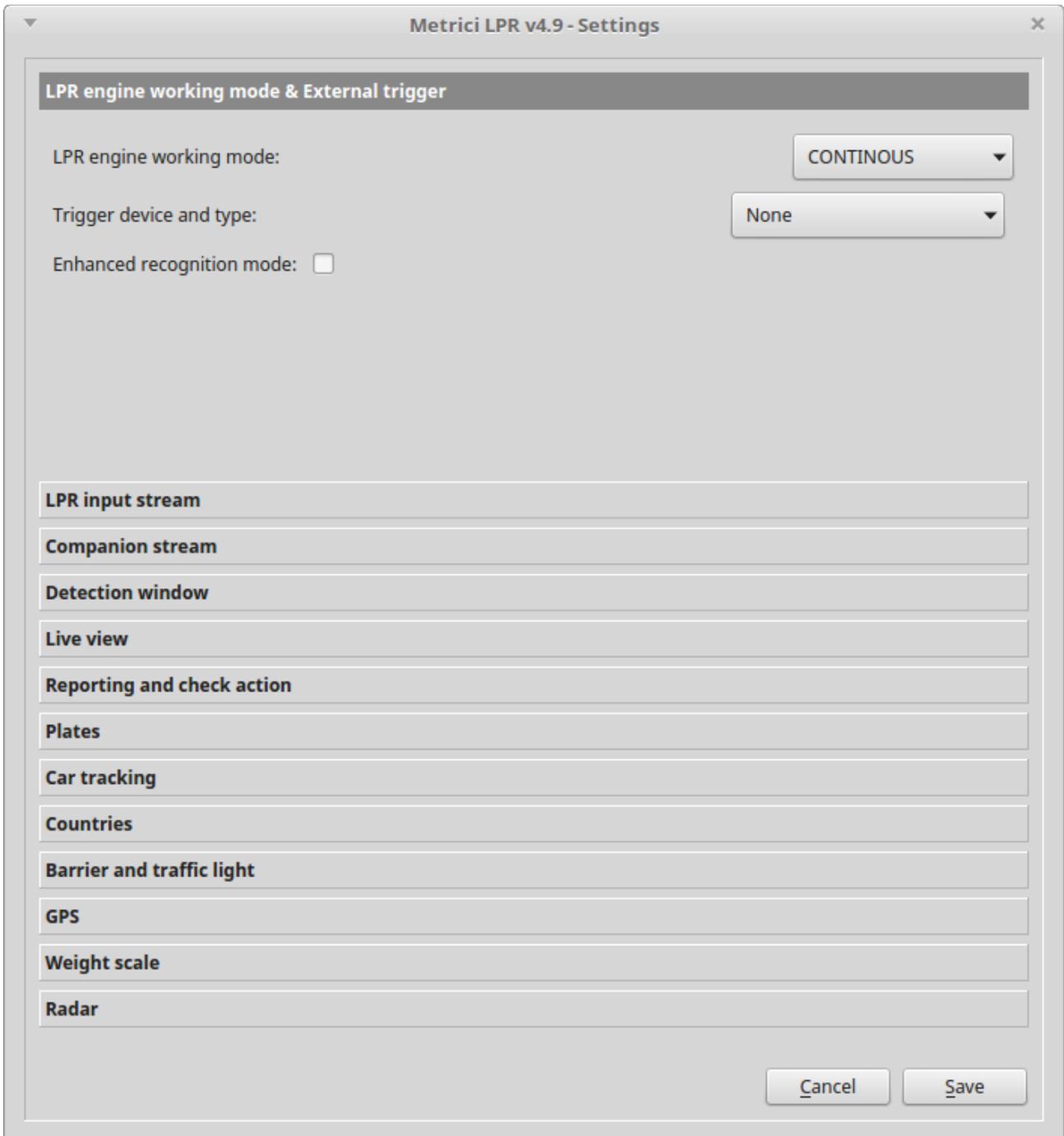
After you have defined an LPR application for each connected camera into the **Metrici Control Panel**, you will see an **ID** on the first column.



In this example, the ID of the Entrance 1 is 0, the ID of the Exit 1 is 1, the ID of the Entrance 2 is 2 and the ID of the Exit 2 is 3.

These IDs are very important, because they represent the offset of the TCP port, used by Skidata to communicate with each Metrici LPR application. The **base TCP port is 3000** and for each LPR application you must **add the ID of that application**. In this example, Entrance 1 will use TCP port 3000, Exit 1 will use TCP port 3001, Entrance 2 will use TCP port 3002 and Exit 2 will use TCP port 3003.

Into each LPR application, you should choose **CONTINUOUS** working mode, without trigger, because in this way the plate number will be recognized prior the event generated by the inductive loop, so the Skidata system will be able to open the barrier very fast for legitimate subscribers, even if the car didn't stop in front of the barrier.



Metrici LPR v4.9 - Settings

LPR engine working mode & External trigger

LPR engine working mode: CONTINUOUS

Trigger device and type: None

Enhanced recognition mode:

LPR input stream

Companion stream

Detection window

Live view

Reporting and check action

Plates

Car tracking

Countries

Barrier and traffic light

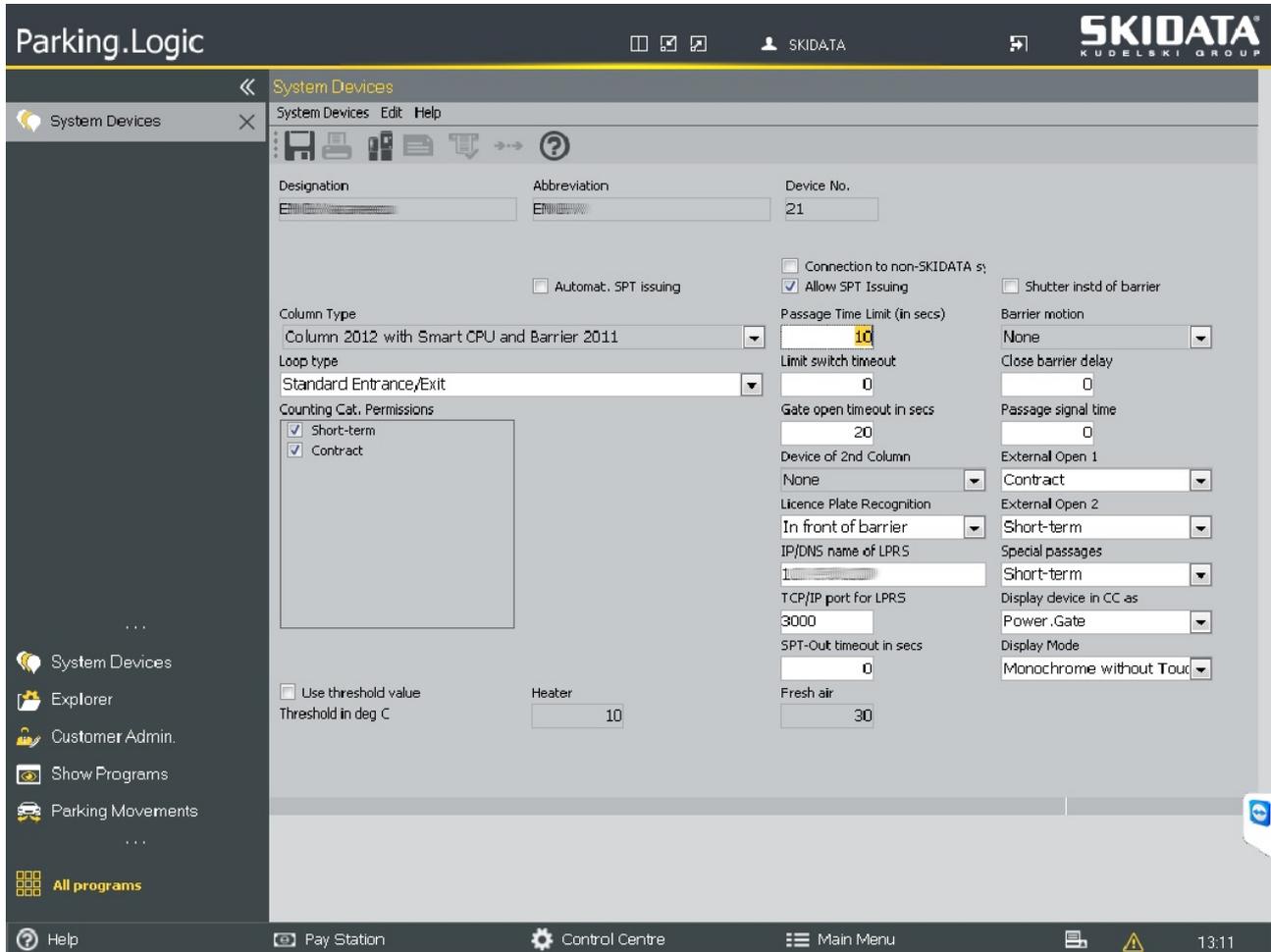
GPS

Weight scale

Radar

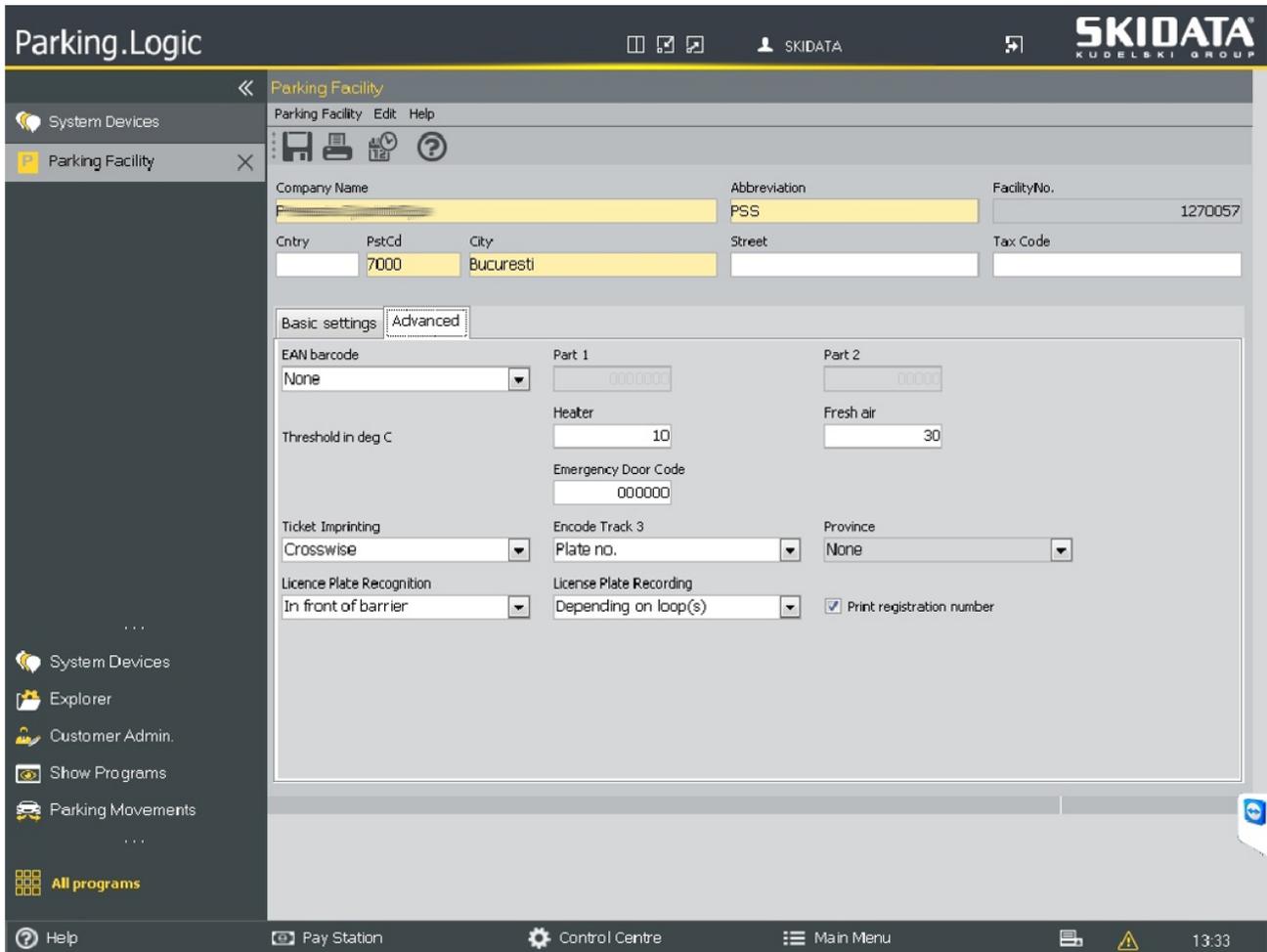
Cancel Save

Into the Skidata system, you must go to **Main Menu / Settings / System Devices / Select Entry - Exit Device / Details (Ctrl + 2)**



Here, for **each Column**, you must fill in the IP of the Metrici LPR server into the **IP/DNS name of LPRS** field and the application port, as described earlier, into the **TCP/IP port of LPRS** field.

Next, an usual thing is to configure how the Skidata system imprints the plate number on each ticket, so you can go to **All programs / Settings / Parking facility** in order to setup this thing.



Parking.Logic SKIDATA KUDELSKI GROUP

System Devices
Parking Facility

Parking Facility Edit Help

Company Name: [Redacted] Abbreviation: PSS FacilityNo.: 1270057

Country: [Redacted] PostCd: 7000 City: Bucuresti Street: [Redacted] Tax Code: [Redacted]

Basic settings | **Advanced**

EAN barcode: None Part 1: 0000000 Part 2: 00000

Threshold in deg C: [Redacted] Heater: 10 Fresh air: 30

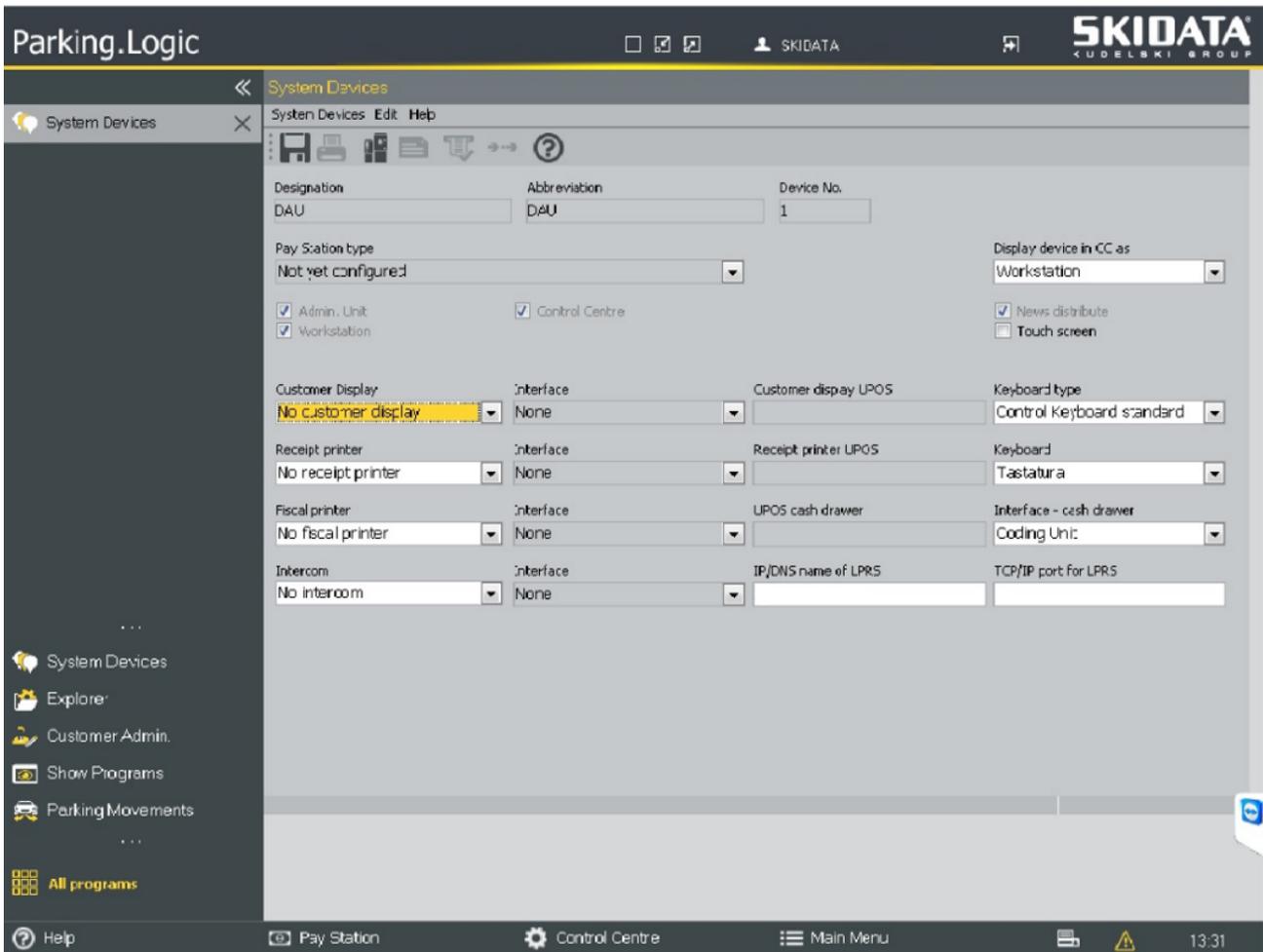
Emergency Door Code: 000000

Ticket Imprinting: Crosswise Encode Track 3: Plate no. Province: None

Licence Plate Recognition: In front of barrier License Plate Recording: Depending on loop(s) Print registration number

Help Pay Station Control Centre Main Menu 13:33

Last, but not least, it's not necessary to put any IP address or port into **DAU** settings, because all the communication with the Metrici LPR system will be done individually by each Column and not by DAU.



The messages changed between each column and its corresponding Metrici LPR application, can be monitored from the Metrici server, by opening the appropriate application’s log file. In our example, the Entrance 1 has a value of 0 for ID, so the log file will be named 0.log and will look like this:

```

2017-04-24 18:08:52 [Metrici LPR v4.9] Skidata -> Metrici: AE0021    0300 250007
SkiData APT450 25.00.07      20170424180852
2017-04-24 18:08:52 [Metrici LPR v4.9] Metrici -> Skidata: AF0021
0000Metrici LPR v4.9      20170424180852
2017-04-24 18:08:59 [Metrici LPR v4.9] Check action event for plate number
B20PZC was sent to http://localhost/io/check_action.php
2017-04-24 18:08:59 [Metrici LPR v4.9] Check action reply received:
2017-04-24 18:08:59 [Metrici LPR v4.9] Skidata -> Metrici: AT0021
    
```

20170424180859

2017-04-24 18:09:00 [Metrici LPR v4.9] Metrici -> Skidata: A100210001B20PZC
R0 458fb588ab000000 20170424180859

2017-04-24 18:09:03 [Metrici LPR v4.9] Plate number B20PZC | R0 | 2017-04-
24_18:08:58 | 2017-04-24_18:09:00 | 1 was inserted into local buffer

2017-04-24 18:09:03 [Metrici LPR v4.9] Reporting event for plate number B20PZC
was sent to http://localhost/io/new_plate_event.php

2017-04-24 18:09:03 [Metrici LPR v4.9] Reporting reply received:
bb1e8f805814a0b8e465601346872377

2017-04-24 18:09:17 [Metrici LPR v4.9] Check action event for plate number
B41LVD was sent to http://localhost/io/check_action.php

2017-04-24 18:09:17 [Metrici LPR v4.9] Check action reply received:

2017-04-24 18:09:18 [Metrici LPR v4.9] Skidata -> Metrici: AT0021

20170424180918

2017-04-24 18:09:19 [Metrici LPR v4.9] Metrici -> Skidata: A100210001B41LVD
R0 2f462ef6c1210000 20170424180918

2017-04-24 18:09:19 [Metrici LPR v4.9] Skidata -> Metrici: AA0021 B41LVD
R0 002f462ef6c121000005828325127005700004682 000120170424180919

2017-04-24 18:09:19 [Metrici LPR v4.9] Metrici -> Skidata: AB0021 B41LVD
R0 2f462ef6c1210000 20170424180919

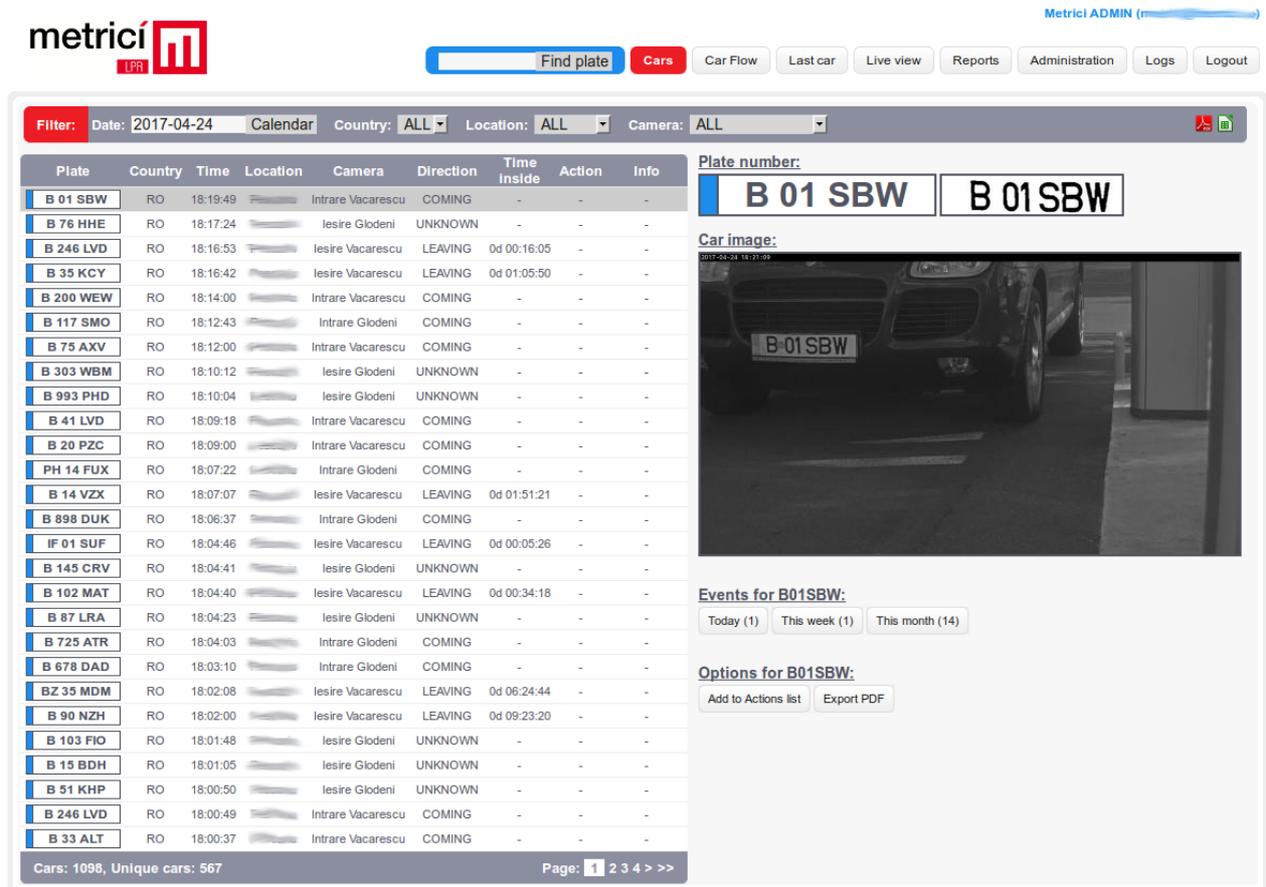
2017-04-24 18:09:21 [Metrici LPR v4.9] Skidata -> Metrici: A20021 B41LVD
R0 002f462ef6c121000005828325127005700004682 000120170424180919

2017-04-24 18:09:22 [Metrici LPR v4.9] Plate number B41LVD | R0 | 2017-04-
24_18:09:17 | 2017-04-24_18:09:18 | 1 was inserted into local buffer

2017-04-24 18:09:22 [Metrici LPR v4.9] Reporting event for plate number B41LVD
was sent to http://localhost/io/new_plate_event.php

2017-04-24 18:09:22 [Metrici LPR v4.9] Reporting reply received:
bb1e8f805814a0b8e465601346872377

In addition of all information provided by the Skidata system, Metrici LPR has it's own web interface, where the parking owner can view events, car pictures, live views from cameras and has access to various reports.



metrici LPR Metrici ADMIN (username)

Find plate **Cars** Car Flow Last car Live view Reports Administration Logs Logout

Filter: Date: 2017-04-24 Calendar Country: ALL Location: ALL Camera: ALL

Plate	Country	Time	Location	Camera	Direction	Time Inside	Action	Info
B 01 SBW	RO	18:19:49	Intrare Vacarescu	COMING	-	-	-	-
B 76 HHE	RO	18:17:24	iesire Glodeni	UNKNOWN	-	-	-	-
B 246 LVD	RO	18:16:53	iesire Vacarescu	LEAVING	Od 00:16:05	-	-	-
B 35 KCY	RO	18:16:42	iesire Vacarescu	LEAVING	Od 01:05:50	-	-	-
B 200 WEW	RO	18:14:00	Intrare Vacarescu	COMING	-	-	-	-
B 117 SMO	RO	18:12:43	Intrare Glodeni	COMING	-	-	-	-
B 75 AXV	RO	18:12:00	Intrare Vacarescu	COMING	-	-	-	-
B 303 WBM	RO	18:10:12	iesire Glodeni	UNKNOWN	-	-	-	-
B 993 PHD	RO	18:10:04	iesire Glodeni	UNKNOWN	-	-	-	-
B 41 LVD	RO	18:09:18	Intrare Vacarescu	COMING	-	-	-	-
B 20 PZC	RO	18:09:00	Intrare Vacarescu	COMING	-	-	-	-
PH 14 FUX	RO	18:07:22	Intrare Glodeni	COMING	-	-	-	-
B 14 VZX	RO	18:07:07	iesire Vacarescu	LEAVING	Od 01:51:21	-	-	-
B 898 DUK	RO	18:06:37	Intrare Glodeni	COMING	-	-	-	-
IF 01 SUF	RO	18:04:46	iesire Vacarescu	LEAVING	Od 00:05:26	-	-	-
B 145 CRV	RO	18:04:41	iesire Glodeni	UNKNOWN	-	-	-	-
B 102 MAT	RO	18:04:40	iesire Vacarescu	LEAVING	Od 00:34:18	-	-	-
B 87 LRA	RO	18:04:23	iesire Glodeni	UNKNOWN	-	-	-	-
B 725 ATR	RO	18:04:03	Intrare Glodeni	COMING	-	-	-	-
B 678 DAD	RO	18:03:10	Intrare Glodeni	COMING	-	-	-	-
BZ 35 MDM	RO	18:02:08	iesire Vacarescu	LEAVING	Od 06:24:44	-	-	-
B 90 NZH	RO	18:02:00	iesire Vacarescu	LEAVING	Od 09:23:20	-	-	-
B 103 FIO	RO	18:01:48	iesire Glodeni	UNKNOWN	-	-	-	-
B 15 BDH	RO	18:01:05	iesire Glodeni	UNKNOWN	-	-	-	-
B 51 KHP	RO	18:00:50	iesire Glodeni	UNKNOWN	-	-	-	-
B 246 LVD	RO	18:00:49	Intrare Vacarescu	COMING	-	-	-	-
B 33 ALT	RO	18:00:37	Intrare Vacarescu	COMING	-	-	-	-

Cars: 1098, Unique cars: 567 Page: 1 2 3 4 >>>

Plate number: **B 01 SBW** **B 01 SBW**

Car image: 

Events for B01SBW: Today (1) This week (1) This month (14)

Options for B01SBW: Add to Actions list Export PDF

<p>/ Iesire Glodeni</p>  <p>Last plate number: B 76 HHE</p> <p>2017-04-24 18:19:49</p>	<p>/ Intrare Glodeni</p>  <p>Last plate number: B 117 SMO</p> <p>2017-04-24 18:19:49</p>	<p>/ Intrare Vacarescu</p>  <p>Last plate number: B 01 SBW</p> <p>2017-04-24 18:19:48</p>
<p>/ Iesire Vacarescu</p>  <p>Last plate number: B 246 LVD</p> <p>2017-04-24 18:19:48</p>		