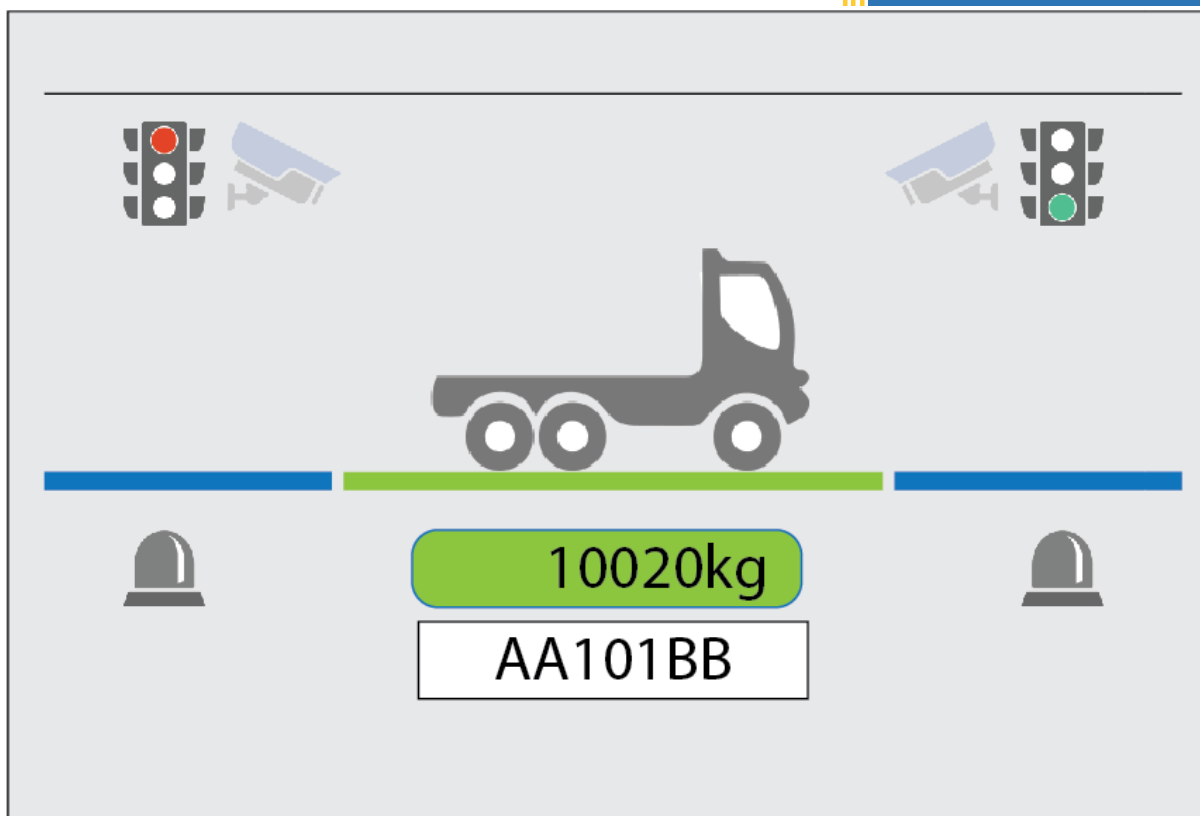


23.260

ANPR - TRUCK SCALE



Vladimír Petrovič

23.260

CAMERA SETTINGS – ENTRY/EXIT

Camera - settings

Camera model
Web_test_image

Name
K 1

URL
http://truckscaleplus.com/caming/Back-01.jpg

Name
admin

Password

Basic settings ARH Parkit Camera

☐ Show after program start ☒ ANPR

☒ Always on top

Location ☒ Default ANPR cam.

☒ Front ☐ Rear

Image refresh time[ms]
1000

Image file

☒ Save with 1. weighing

File name
%i[%c[-1W-]]%n

☒ Save with 2. weighing

File name
%i[%c[-2W-]]%n


☐ Označit' textom

Text
%i[%c[-]]%d[-]]%d[-]]%d

Color
...

Font
... Arial (8)

Preview



45 ms
1456 x 859

Test

CAMERA : Cancel Save

Camera - settings

Camera model
Common

Name
K 2

URL
http://truckscaleplus.com/caming/Front-02.jpg

Name
admin

Password

Basic settings ARH Parkit Camera

☐ Show after program start ☒ ANPR

☒ Always on top

Location ☒ Default ANPR cam.

☐ Front ☒ Rear

Image refresh time[ms]
1000

Image file

☐ Save with 1. weighing

File name
%i[%c[-1W-]]%n

☐ Save with 2. weighing

File name
%i[%c[-2W-]]%n


☐ Označit' textom

Text
%i[%c[-]]%d[-]]%d[-]]%d

Color
...

Font
... Arial (8)

Preview



50 ms
1821 x 859

Test

CAMERA : Cancel Save

INFRARED GATE SETTINGS

Binary inputs/outputs

Name

ONSCREEN DEBUG

Device

OnScreen-V0

Number of outputs

6

Number of inputs

3

Outputs

Inputs

Name	Device	Action	Input	Event	Action
IR ENTRY	01 : DIRECTION ENTRY	1006: ANPR vehicle on entry (Dir. 1)	Rising edge (0 to 1)		
IR EXIT	02 : DIRECTION EXIT	1007: ANPR vehicle on exit (Dir. 2)	Rising edge (0 to 1)		

Binary signal

Name

IR ENTRY

Input number

01 : DIRECTION ENTRY

☐ Execute by device

Device

Event

☒ Auto perform for event

1006: ANPR vehicle on entry (Dir. 1)

Activate by:

☒ Rising edge (0 to 1)

☐ Falling edge (1 to 0)

Cancel

Save

Binary signal

Name

IR EXIT

Input number

02 : DIRECTION EXIT

☐ Execute by device

Device

Event

☒ Auto perform for event

1007: ANPR vehicle on exit (Dir. 2)

Activate by:

☒ Rising edge (0 to 1)

☐ Falling edge (1 to 0)

Cancel

Save

TRAFFIC LIGHTS SETTINGS

Binary inputs/outputs

ONSCREEN DEBUG

Device

OnScreen-V0

Number of outputs

6

Number of inputs

3

Outputs

Inputs

☐ Control panel

☐ Traffic lights

☐ 1 x

☒ 2 x

☐ Ramps

☐ 1 x

☒ 2 x

Min. weight

0

☐ Gate

Name	Device	Action	Output	Color	Event	Action
ON - ENTRY			01 : ENTRY LIGHT		17: Traffic lights - ENTRY - FREE	Turn on
ON - EXIT			02 : EXIT LIGHT		19: Traffic lights - EXIT - FREE	Turn on
OFF - ENTRY			01 : ENTRY LIGHT		16: Traffic lights - ENTRY - STOP	Turn off
OFF - EXIT			02 : EXIT LIGHT		18: Traffic lights - EXIT - STOP	Turn off

Binary signal

Name

ON - ENTRY

Main signal - output number

01 : ENTRY LIGHT

☒ Automatic action after program start

Action

☒ Turn on

☐ Turn off

☐ Automatic action after program end

Action

☐ Turn on

☒ Turn off

☐ Execute by device

DeviceActionAction

☐ Turn on

☐ Turn off

☒ Automatic action on event

Event

17: Traffic lights - ENTRY - FREE

Action

☒ Turn on

☐ Turn off

Param1

0

Param2

0

☐ Časovanie

☐ Po uplynutí času

☐ Na určený čas

☐ Repeat

Repeat cnt.

1

☐ Start ON

☐ Start OFF

Linked signals

Outputs

Name

CancelSave

Binary signal

Name

ON - EXIT

Main signal - output number

02 : EXIT LIGHT

☒ Automatic action after program start

Action

☒ Turn on

☐ Turn off

☐ Automatic action after program end

Action

☐ Turn on

☒ Turn off

☐ Execute by device

DeviceActionAction

☐ Turn on

☐ Turn off

☒ Automatic action on event

Event

19: Traffic lights - EXIT - FREE

Action

☒ Turn on

☐ Turn off

Param1

0

Param2

0

☐ Časovanie

☐ Po uplynutí času

☐ Na určený čas

Čas [ms]

0

☐ Repeat

Repeat cnt.

1

☐ Start ON

☐ Start OFF

Time [ON]

1000

Time [OFF]

1000

☐ End ON

☐ End OFF

Linked signals

Outputs

Name	Output	Event	Action

CancelSave

Binary signal

Name
OFF - ENTRY

Main signal - output number
01 : ENTRY LIGHT

☐ Automatic action after program start
Action ☐ Turn on ☒ Turn off

☐ Automatic action after program end
Action ☐ Turn on ☒ Turn off

☐ Execute by device
Device Action ☐ Turn on ☐ Turn off

☒ Automatic action on event
Event 16: Traffic lights - ENTRY - STOP Action ☐ Turn on ☒ Turn off
Param1 0 Param2 0

☐ Časovanie
☐ Po uplynutí času Čas [ms]
☐ Na určený čas 0

☐ Repeat
Repeat cnt. 1 ☐ Start ON ☐ Start OFF

Linked signals
Outputs

Name	Output
<	

Binary signal

Name
OFF - EXIT

Main signal - output number
02 : EXIT LIGHT

☐ Automatic action after program start
Action ☐ Turn on ☒ Turn off

☐ Automatic action after program end
Action ☐ Turn on ☒ Turn off

☐ Execute by device
Device Action ☐ Turn on ☐ Turn off

☒ Automatic action on event
Event 18: Traffic lights - EXIT - STOP Action ☐ Turn on ☒ Turn off
Param1 0 Param2 0

☐ Časovanie
☐ Po uplynutí času Čas [ms]
☐ Na určený čas 0

☐ Repeat
Repeat cnt. 1 ☐ Start ON ☐ Start OFF Time [ON] 1000 Time [OFF] 1000 ☐ End ON ☐ End OFF

Linked signals
Outputs

Name	Output	Event	Action
<			

Cancel Save

WEIGHING MODE SETTING- AUTO SINGLE WEIGHING

The screenshot shows the 'Settings' window with the 'Settings' tab selected. The window is divided into several sections:

- Workmode after starting:** ☒ Automatic, ☐ Manual
- Error state:** ☒ Save as recognized, ☐ Operator required
- Weighing type:** ☒ Single weighing, ☐ Use vehicle tare if activated, ☐ Two weighings difference
- Vehicles rule:** ☒ Automatic, ☐ Existing vehicle
- New vehicle owner:** ☒ Don't assign, ☐ Our company
- Automatic data:** ☒ Weight only, ☐ Global data, ☐ Vehicle assigned data
- Overweight:** 0
- Stable time required [s]:** 5
- Onscreen state message time [s]:** 2
- TSP Settings:** Main settings (...), User settings (...), Formular editor (...)
- Cameras:** Save photos from cameras: ☒ Regular cameras, ☐ ANPR cameras, ☐ Do recognition on both cameras of scale
- Direction detection:** ☐ Camera, ☒ BinIO Trigger, ☒ Error - save camera images, ☒ Handle traffic ctrl. based on dir.

Buttons: Cancel, Save

AUTOMATIC MODE TWO WEIGHINGS DIFFERENCE

The screenshot shows the 'Settings' window with the 'Settings' tab selected. The window is divided into several sections:

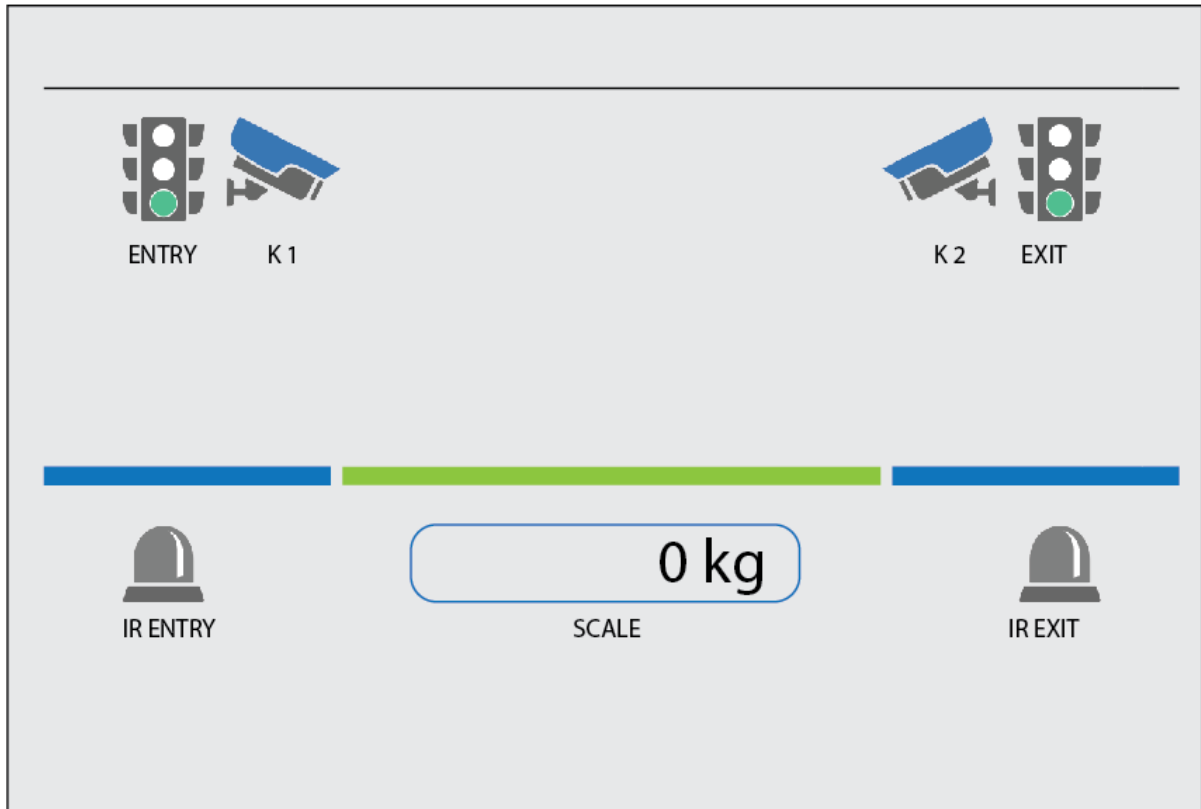
- Workmode after starting:** ☒ Automatic, ☐ Manual
- Error state:** ☒ Save as recognized, ☐ Operator required
- Weighing type:** ☐ Single weighing, ☐ Use vehicle tare if activated, ☒ Two weighings difference
- Vehicles rule:** ☒ Automatic, ☐ Existing vehicle
- New vehicle owner:** ☒ Don't assign, ☐ Our company
- Automatic data:** ☒ Weight only, ☐ Global data, ☐ Vehicle assigned data
- Overweight:** 0
- Stable time required [s]:** 5
- Onscreen state message time [s]:** 2
- TSP Settings:** Main settings (...), User settings (...), Formular editor (...)
- Cameras:** Save photos from cameras: ☒ Regular cameras, ☐ ANPR cameras, ☐ Do recognition on both cameras of scale
- Direction detection:** ☐ Camera, ☒ BinIO Trigger, ☒ Error - save camera images, ☒ Handle traffic ctrl. based on dir.

Buttons: Cancel, Save

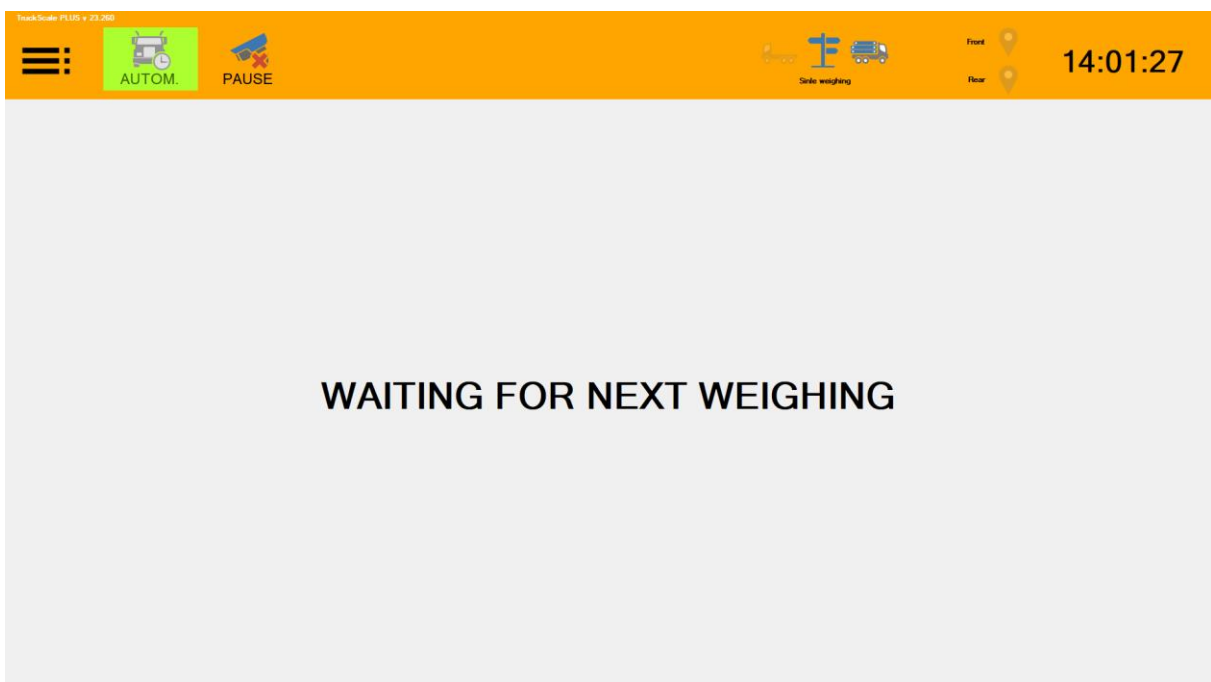
PROCESS DESCR. – AUTOMAT. WEIGHING

LIGHTS, IR, CAMERAS, SCALE DISPLAY

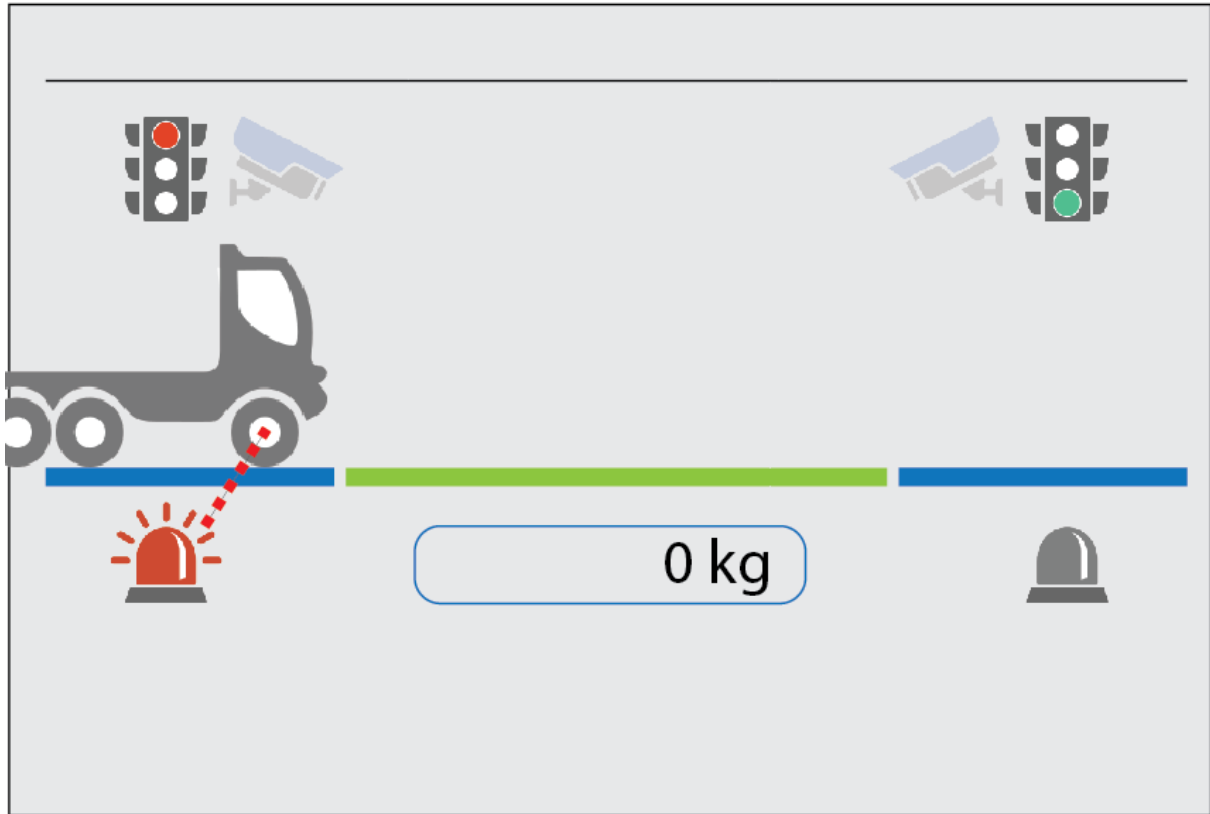
1. IDLE



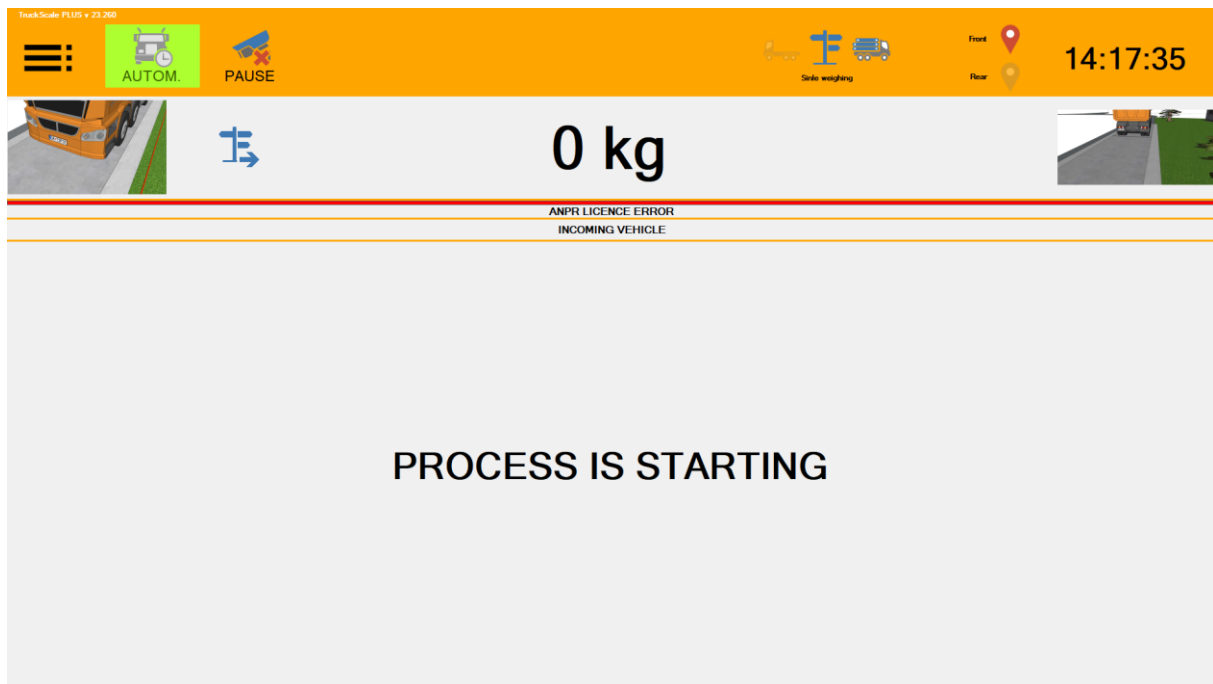
SCREEN



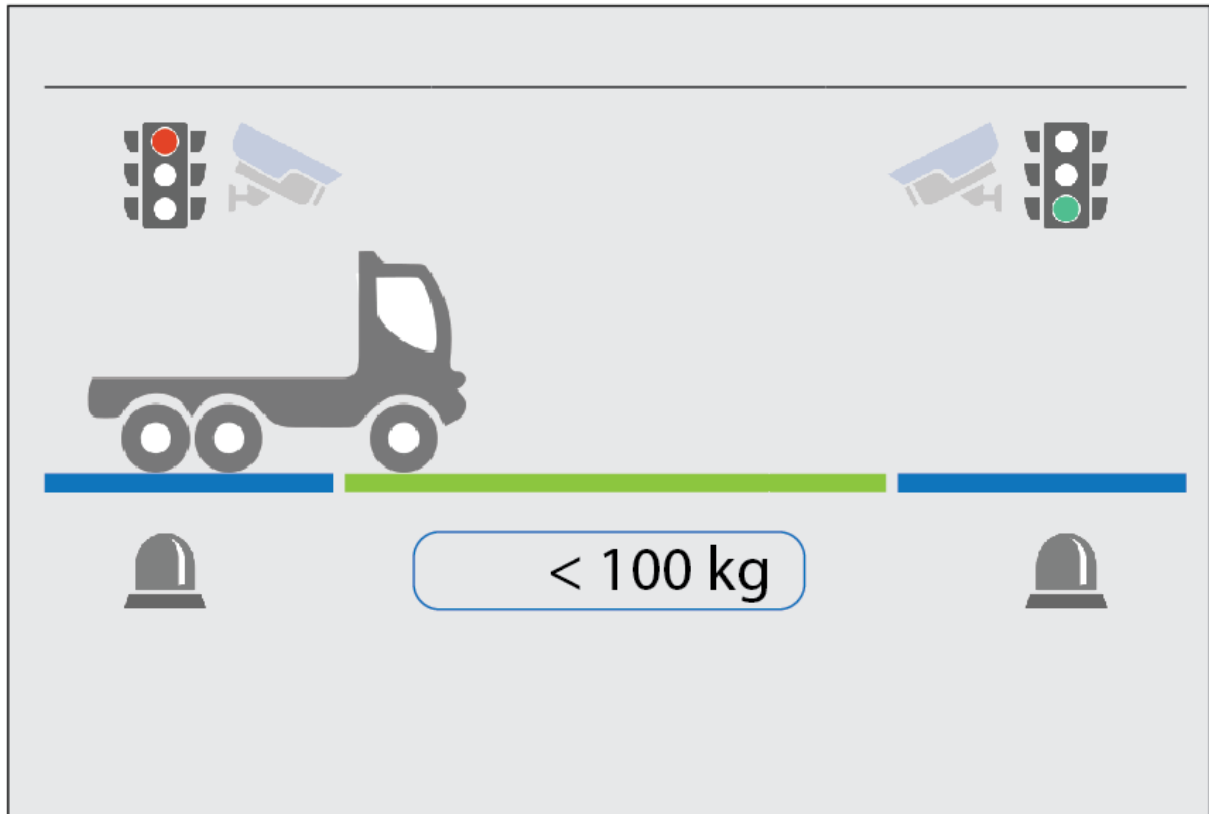
2. IR DETECTION



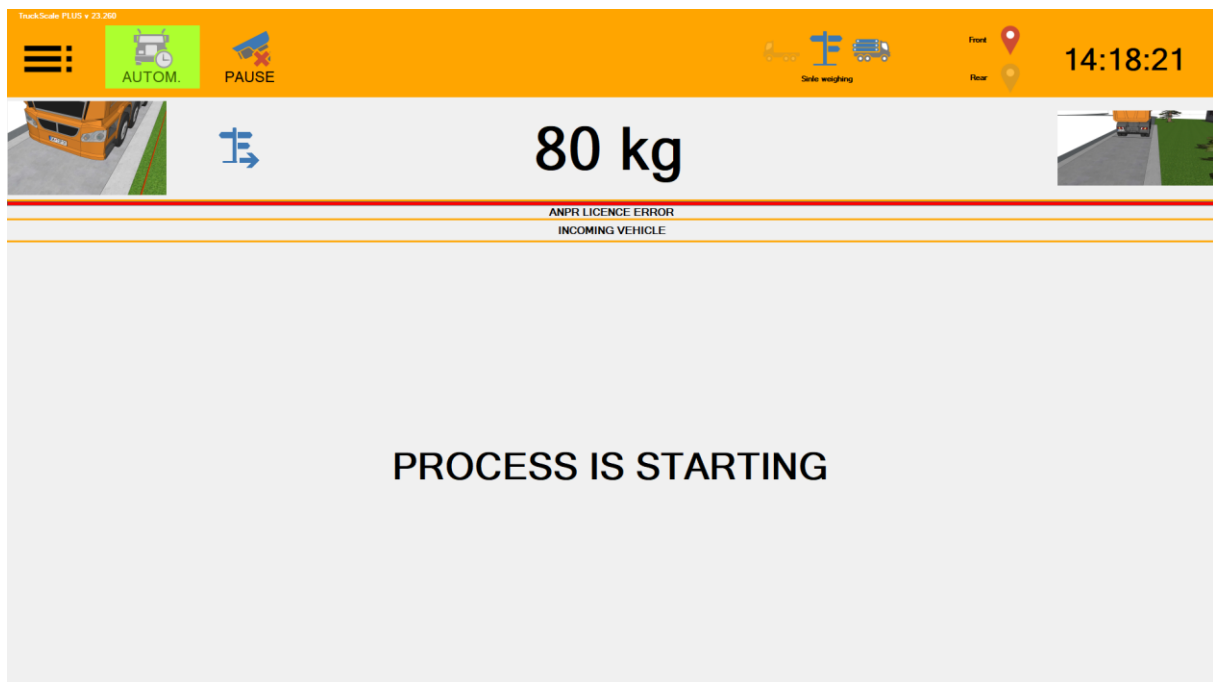
SCREEN



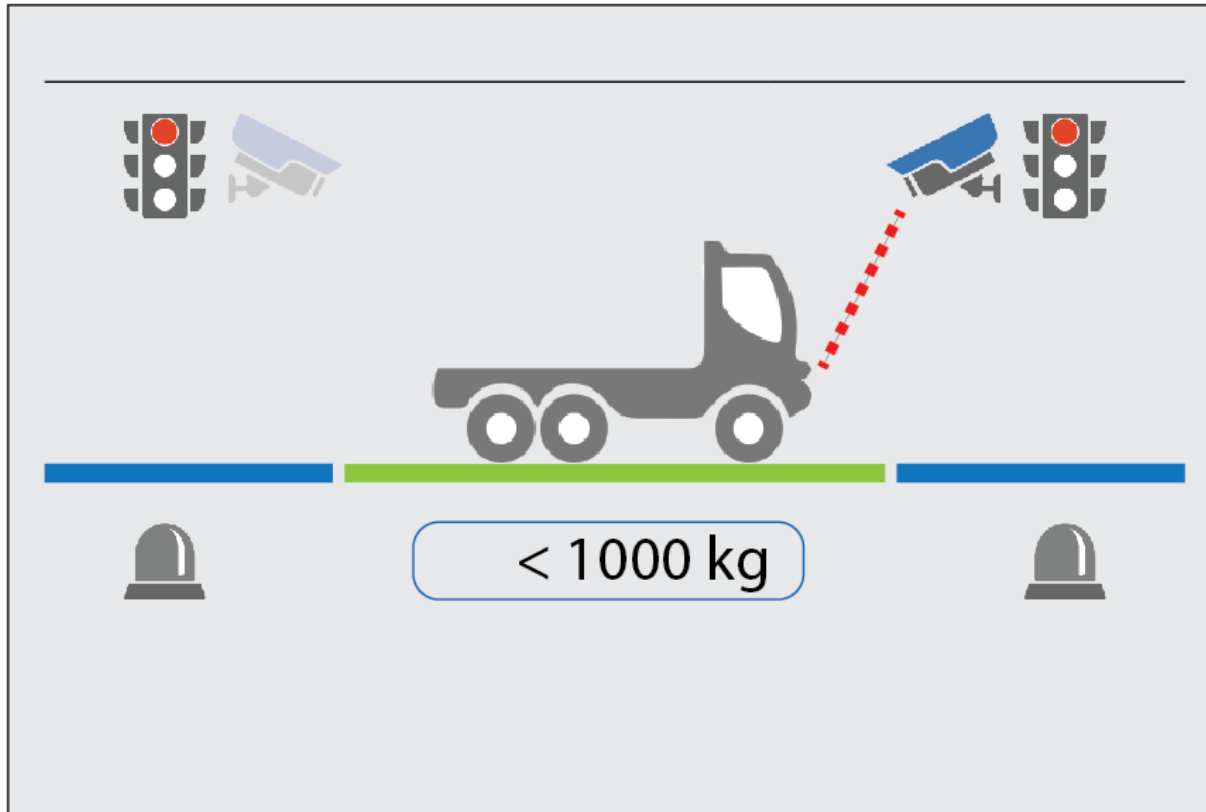
3. INCOMMING VEHICLE



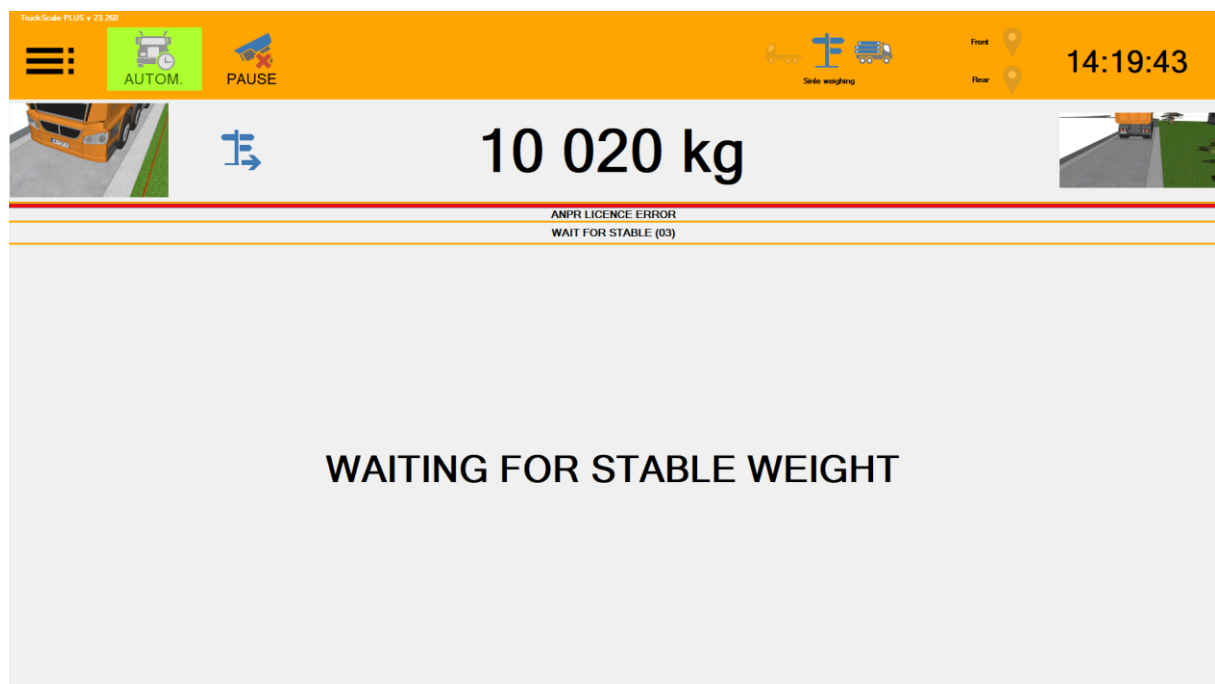
SCREEN



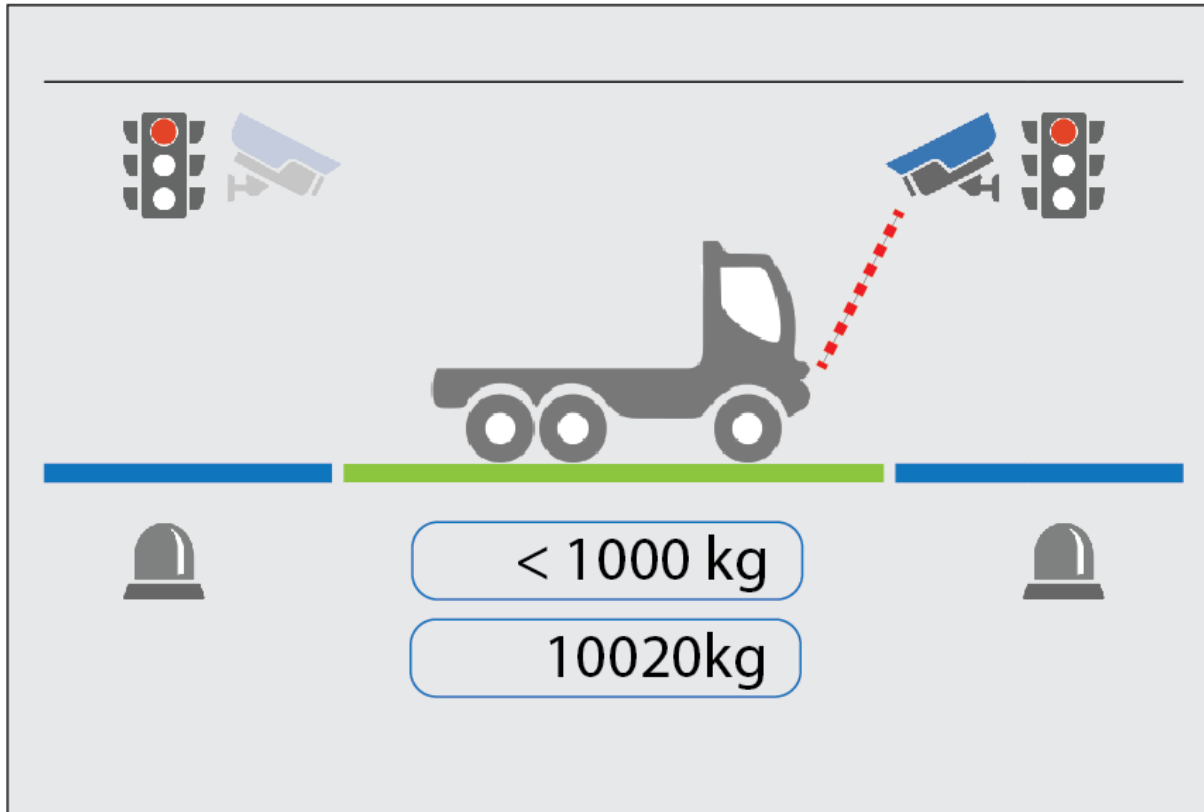
4. WAITING FOR STABLE



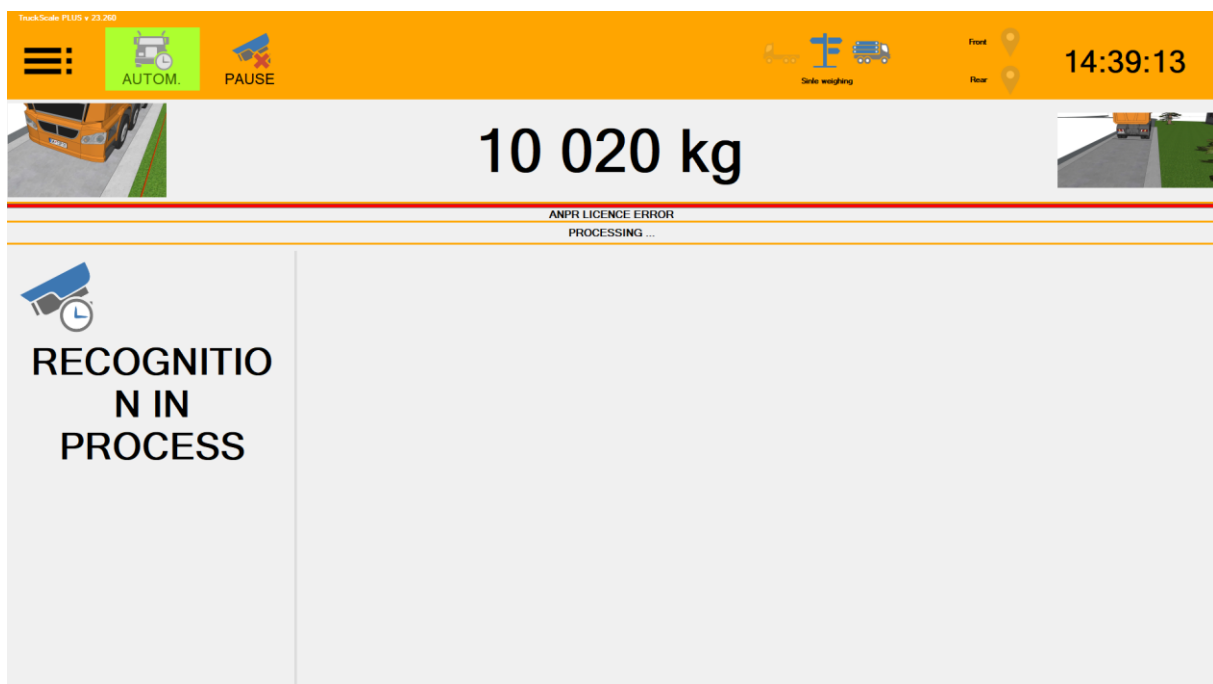
SCREEN



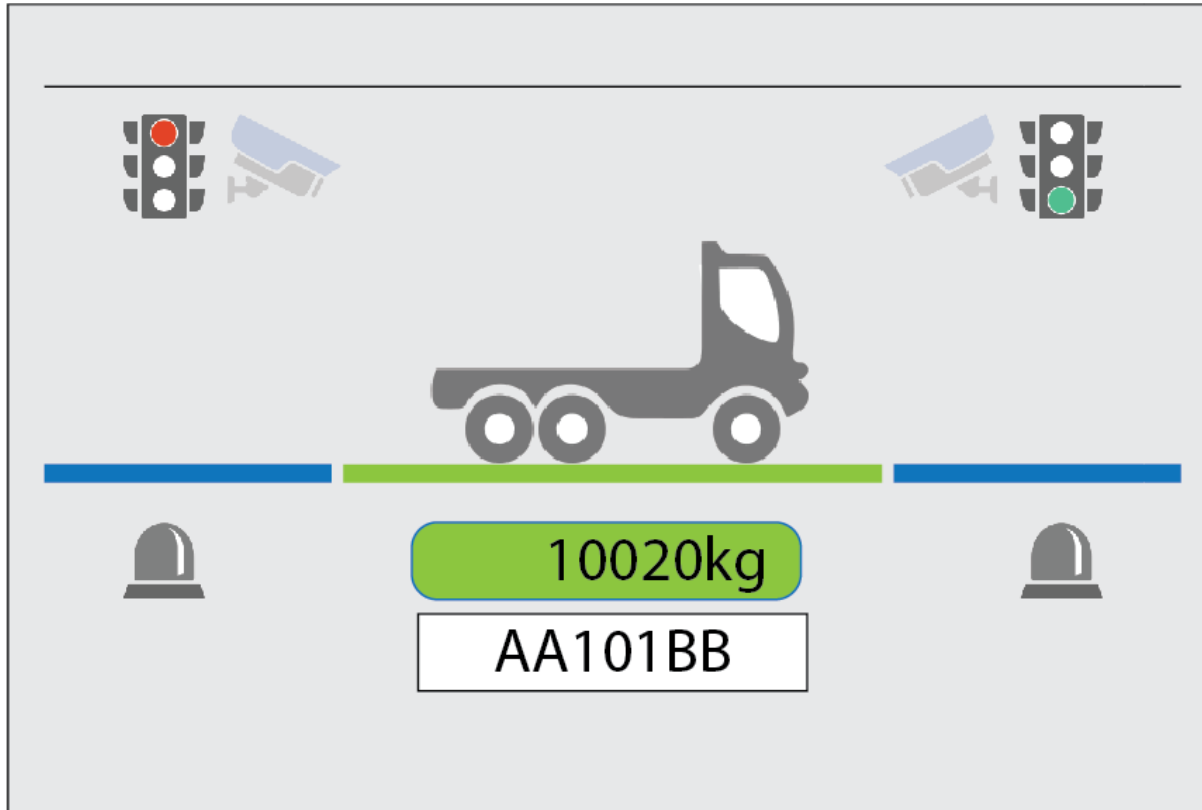
5. PLATE RECOGNITION



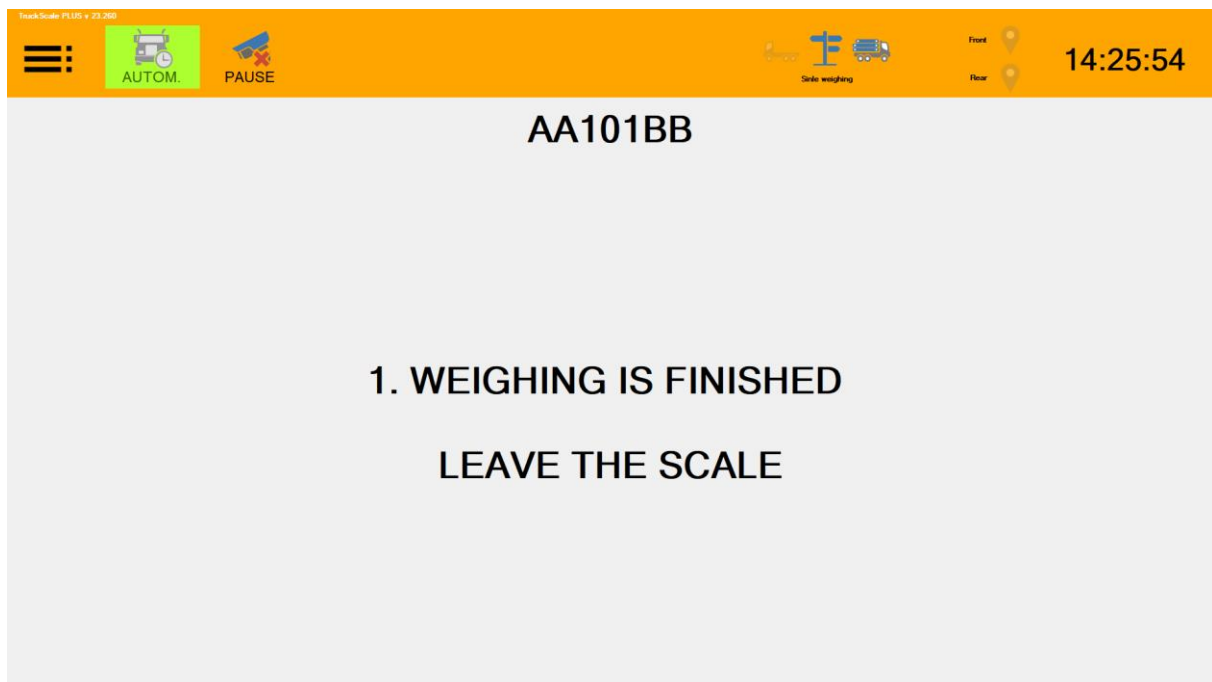
SCREEN



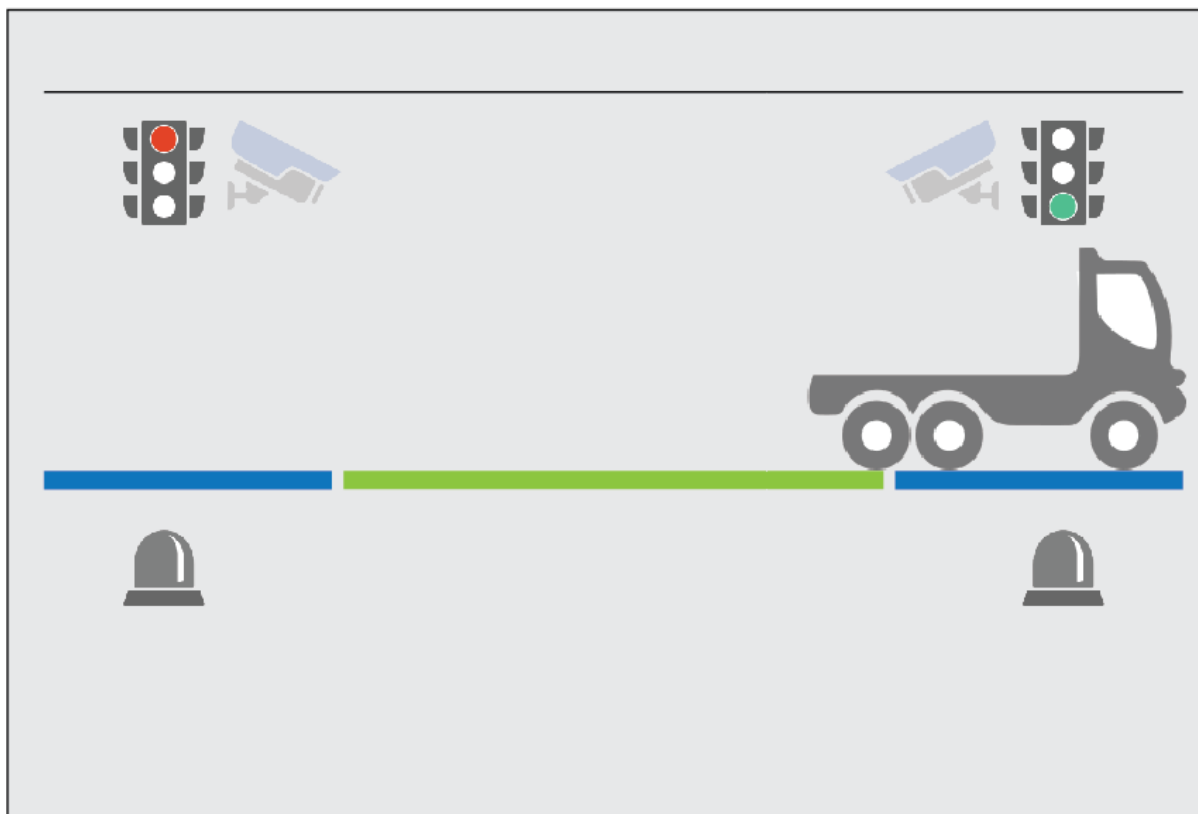
6. FINISHED – LEAVING THE SCALE



SCREEN



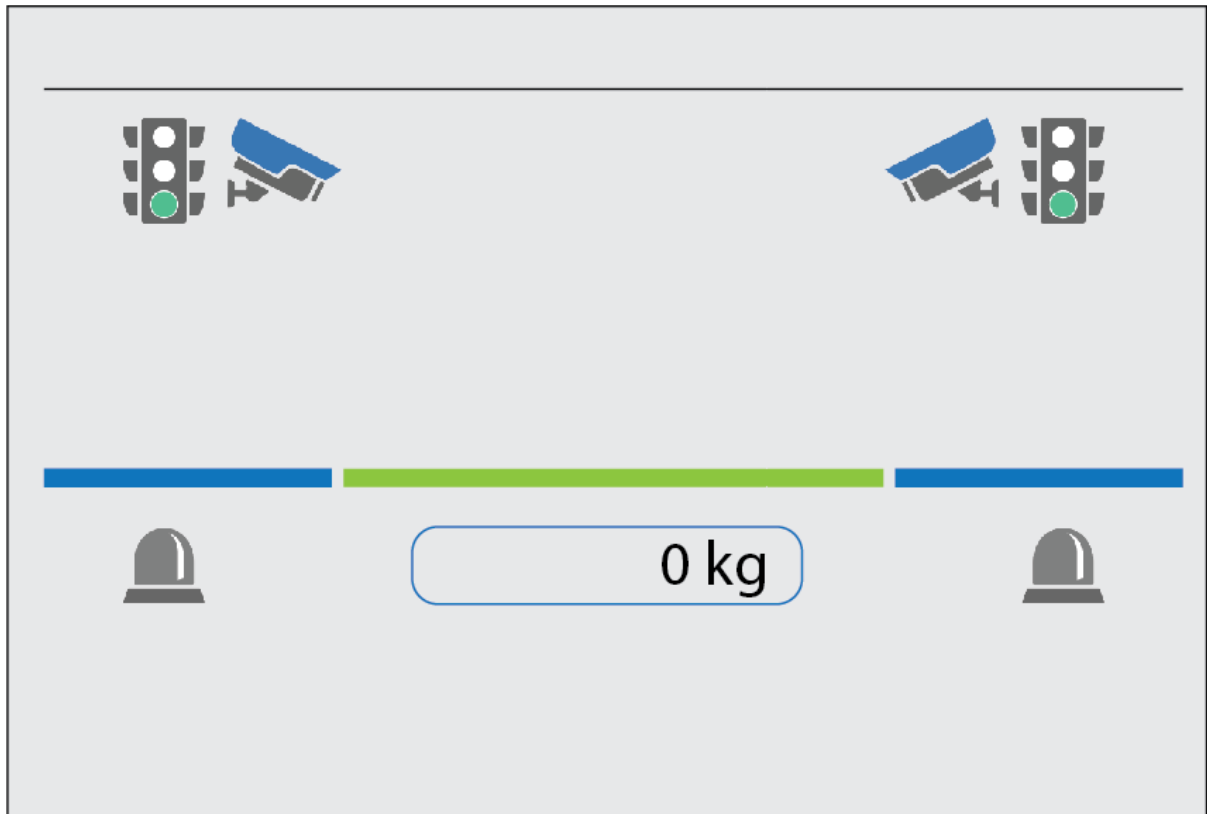
6. FINISHED – LEAVING THE SCALE



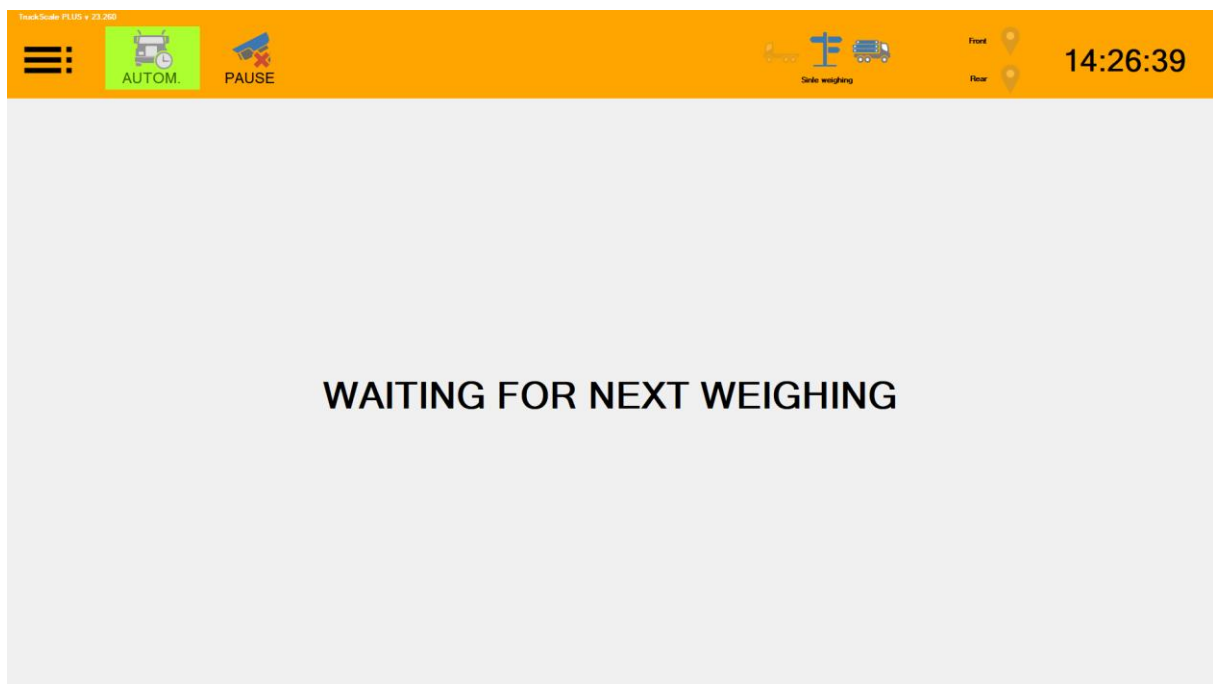
SCREEN



1. IDLE



SCREEN



WEIGHING SAVED- SINGLE WEIGHINGS

In single weighings mode is each weighing stored separately after each weighing with recognized vehicle plate and actual weight from this weighing. If no plate is recognized, system assigns default plate number as „**??? ANPR ???**“ (You can edit / change it later manually)

ANPR Single weighings are saved as regular single weighings, but marked as ANPR internally. (Orange color)

The screenshot displays the 'TruckScale PLUS - 23.260' application window. The interface includes a top menu bar (Program, Weighing, Reports, Invoices, Stocks, Agenda, Devices, Tools), a left-hand 'NAVIGATOR' tree, and a main 'WEIGHINGS' section. The 'WEIGHINGS' section features a table of recorded weighings and a right-hand panel for manual data entry.

NAVIGATOR

- Weights
- Trucks
- Automatic weighings
- Prepared vehicles
- Groups
- Reports
- Invoices
 - Issued invoices
- Stocks
 - Resources
 - Movements in stock
- Agenda
 - Address book
 - Products
 - Vehicles
 - Drivers
 - Packagings
 - Categories
 - Karty RFID
 - Products origin
 - Orders
 - Weighings groups
 - Users
- Numbering lines
 - Weighing documents
 - Orders
 - Invoices
 - Payment orders
- Stocks
 - Receipt cards
 - Issue cards
 - Movements cards
- Other
 - ZIP
- Tools
 - Settings
 - Program
 - Devices
 - Our company

WEIGHINGS

Show weighing images | Export | Show void weighings | Show internal weighings

Document	Date	Time	Plate	Amount	U (A)	Movement	Note
VJV202300076	4. 7. 2023	15:03	??? ANPR ???	6 500,0	kg	Single weigh.	
VJV202300075	4. 7. 2023	14:54	AA101BB	20 000,0	kg	Single weigh.	
VJV202300074	4. 7. 2023	14:52	AA101BB	15 000,0	kg	Single weigh.	

ANPR manual join

Weighing No. 1

Weighing date:
Weighing time:
Plate:
Netto:

Weighing No. 2

Weighing date:
Weighing time:
Plate:
Netto:

Result

Weighing date:
Weighing time:
Plate:
Netto:

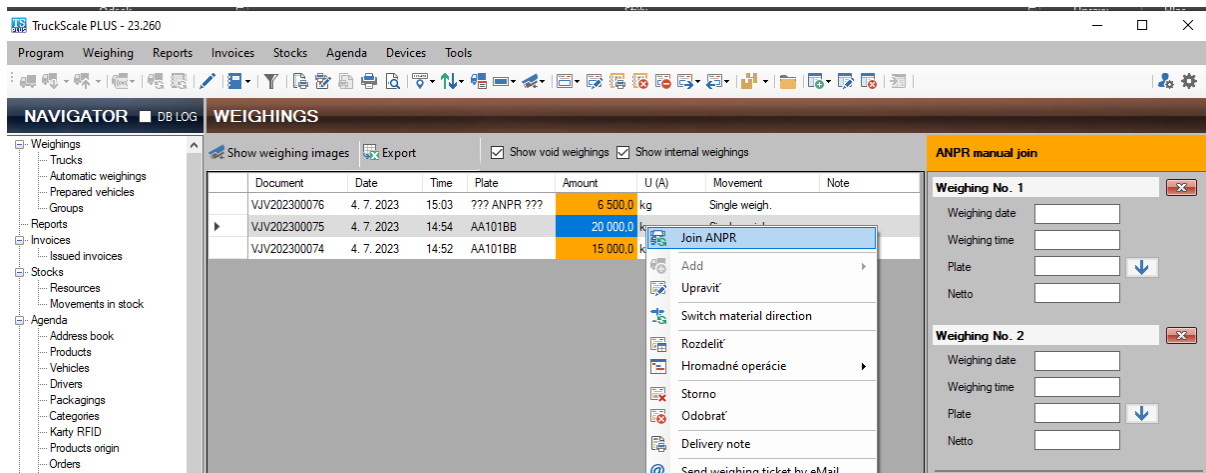
Working year: 2023 | Počet záznamov podľa filtra: 3 | EKAER | ANPR: Camera(s) offline | ANDGN | MS SQL SERVER

JOINING TWO SAVED SINGLE WEIGHINGS MANUALLY

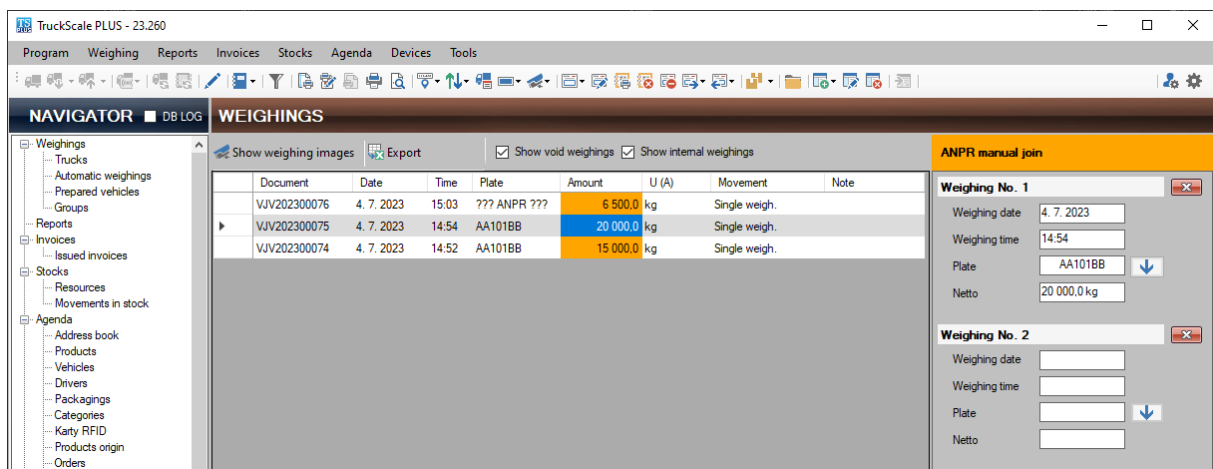
If there are for example two single weighings weighed separately as 1st and 2nd weighing, which belongs together, you can join them manually and create one final result.

How to do it :

Select first weighing from the two by right click with the mouse and select **Join ANPR**.



The first weighing is selected to the right > **Weighing No. 1** :



Do the same with the 2nd weighing, system will then recognize order of these weighings according to the date and time of weighing and recalculate the final result.

JOINING RESULT

On printscreen below you can see the result of joining. Now, if everything is as needed, press the **Join** button and save result as new weighing. The two previous are now hidden.

TruckScale PLUS - 23.260

Program Weighing Reports Invoices Stocks Agenda Devices Tools

NAVIGATOR DB LOG WEIGHINGS

Show weighing images Export Show void weighings Show internal weighings

Document	Date	Time	Plate	Amount	U (A)	Movement	Note
VJV202300076	4. 7. 2023	15:03	??? ANPR ???	6 500.0	kg	Single weigh.	
VJV202300075	4. 7. 2023	14:54	AA101BB	20 000.0	kg	Single weigh.	
VJV202300074	4. 7. 2023	14:52	AA101BB	15 000.0	kg	Single weigh.	

ANPR manual join

Weighing No. 1

Weighing date: 4. 7. 2023
Weighing time: 14:52
Plate: AA101BB
Netto: 15 000.0 kg

Weighing No. 2

Weighing date: 4. 7. 2023
Weighing time: 14:54
Plate: AA101BB
Netto: 20 000.0 kg

Result

Weighing date: 4. 7. 2023
Weighing time: 14:54
Plate: AA101BB
Netto: 5 000.0 kg

Join

Working year: 2023 Počet záznamov podľa filtra: 3 EKAER | ANPR: Camera(s) offline | ANDGN | MS SQL SERVER

Joining result

TruckScale PLUS - 23.260

Program Weighing Reports Invoices Stocks Agenda Devices Tools

NAVIGATOR DB LOG WEIGHINGS

Show weighing images Export Show void weighings Show internal weighings

Document	Date	Note	Time	Plate	Amount	U (A)	Movement
VLV202300031	4. 7. 2023		14:54	AA101BB	5 000.0	kg	Výdaj
VJV202300076	4. 7. 2023		15:03	??? ANPR ???	6 500.0	kg	Single weigh.

ANPR manual join

Weighing No. 1

Weighing date:
Weighing time:
Plate:
Netto:

Weighing No. 2

Weighing date:
Weighing time:
Plate:
Netto:

Result

Weighing date:
Weighing time:
Plate:
Netto:

Join

Working year: 2023 Počet záznamov podľa filtra: 2 EKAER | ANPR: Camera(s) offline | ANDGN | MS SQL SERVER

Joined weighing

EDITING OF SINGLE WEIGHING

If there is a faulty recognition saved, you can still make modification and manually „repair“ this measurement.

Select desired row in the grid and edit with standard way.

