

Hikvision ANPR

Setup Hik ANPR with Paxton Net2

HIKVISION

Table of contents

- Specifications / wiring
- Config of Hikvision
- Config of ACU Paxton Net 2

Specifications / wiring

The ANPR camera that is used:

iDS-2CD7A46G0/P-IZHSY with FW: V5.8.50 Build 240306

The Paxton Net2 that is used:

Version 6.7.13622.4566

Wiring

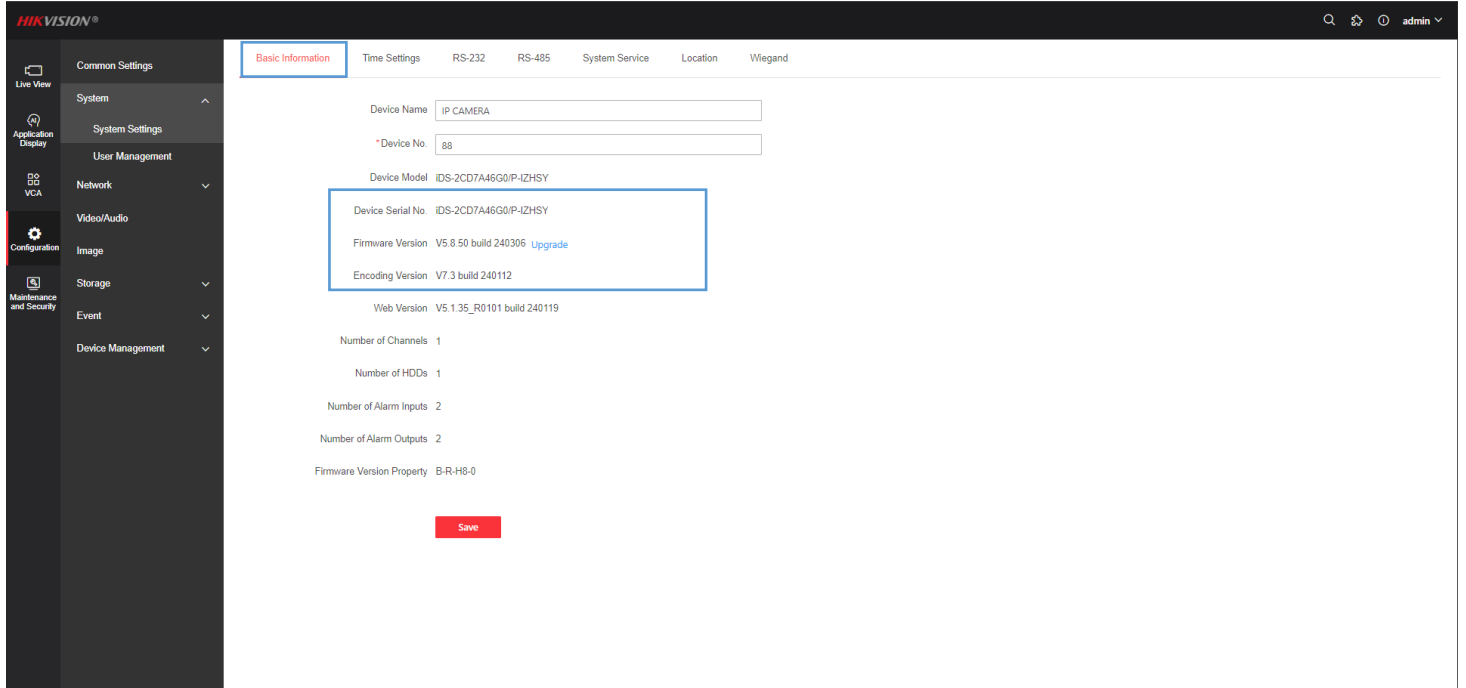
How to connect the camera to the ACU of Paxton. Be sure the cable distance (of the camera Wiegand out to acu reader in) is within 15 meters. And should be wired like the picture below.

!!DO NOT USE UTP FOR READER WIRING!!

Aansluitschema

Kleur ader	Hikvision Camera	Net2 Plus ACU
Yellow	DATA0	Data/D0
Blue	DATA1	Clock/D1
Black	GND	0V

Config of Hikvision

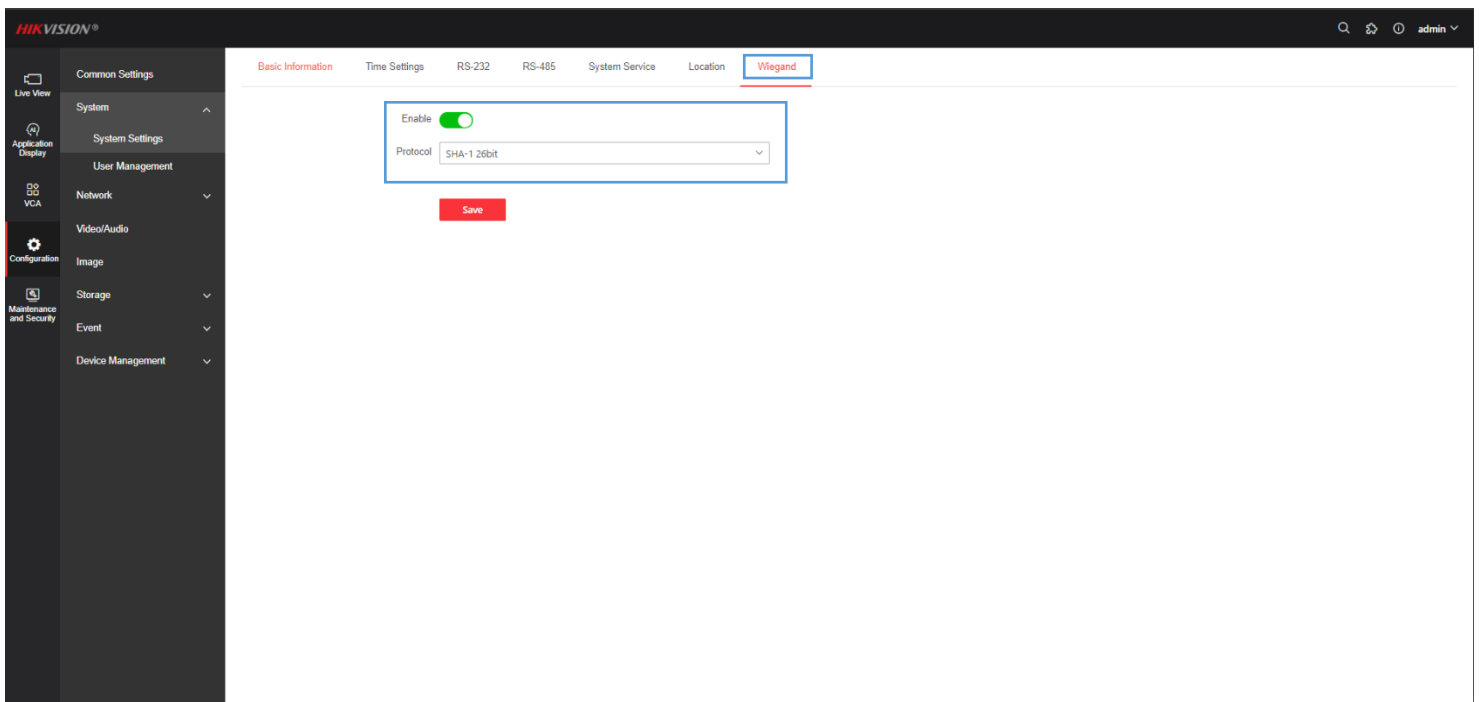


The screenshot shows the Hikvision web interface with the 'Basic Information' tab selected. The left sidebar contains navigation options: Live View, Application Display, Configuration, and Maintenance and Security. The main content area displays various system settings:

- Device Name: IP CAMERA
- *Device No.: 88
- Device Model: IDS-2CD7A46G0/P-IZHSY
- Device Serial No.: IDS-2CD7A46G0/P-IZHSY
- Firmware Version: V5.8.50 build 240306 [Upgrade](#)
- Encoding Version: V7.3 build 240112
- Web Version: V5.1.35_R0101 build 240119
- Number of Channels: 1
- Number of HDDs: 1
- Number of Alarm Inputs: 2
- Number of Alarm Outputs: 2
- Firmware Version Property: B-R-H8-0

A red 'Save' button is located at the bottom of the configuration area.

Configuration -> system -> system settings -> Basic information.
This is where you find the information for checking the firmware.

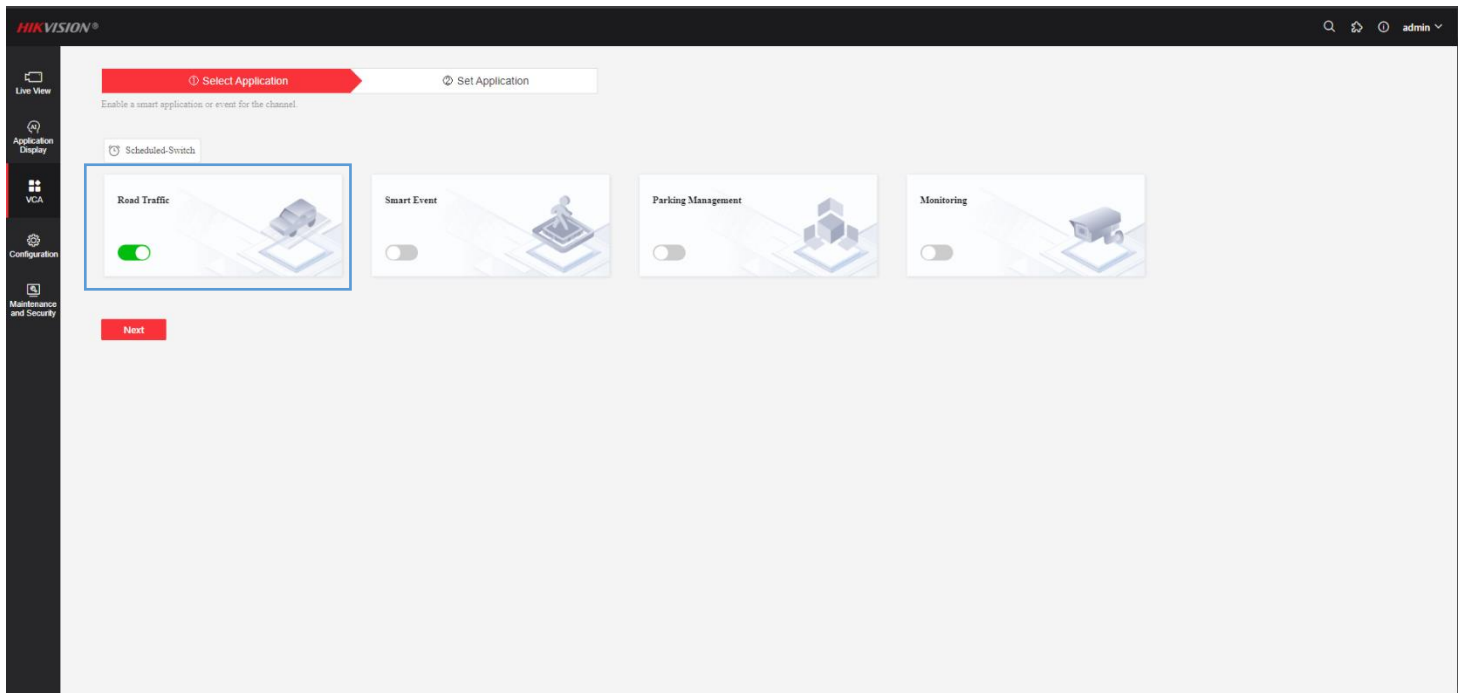


The screenshot shows the Hikvision web interface with the 'Wiegand' tab selected. The left sidebar is the same as the previous screenshot. The main content area displays the Wiegand configuration settings:

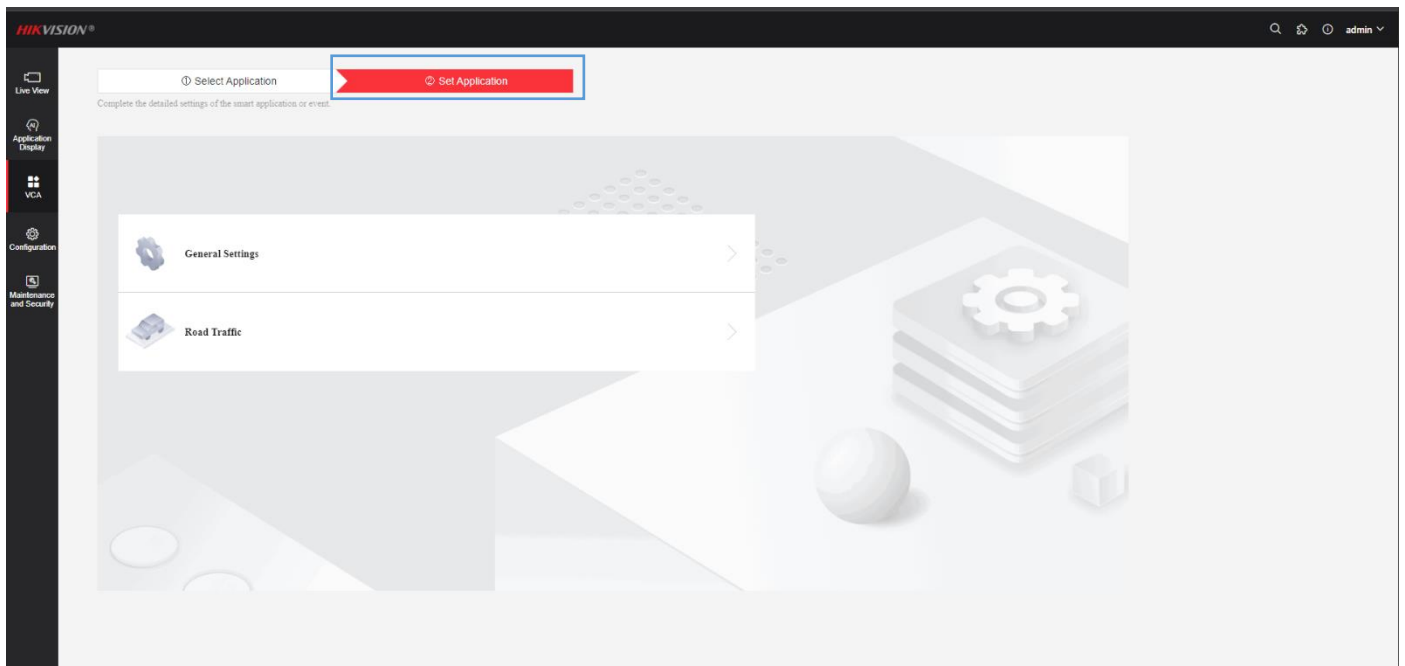
- Enable: ☒
- Protocol: SHA-1 26bit

A red 'Save' button is located at the bottom of the configuration area.

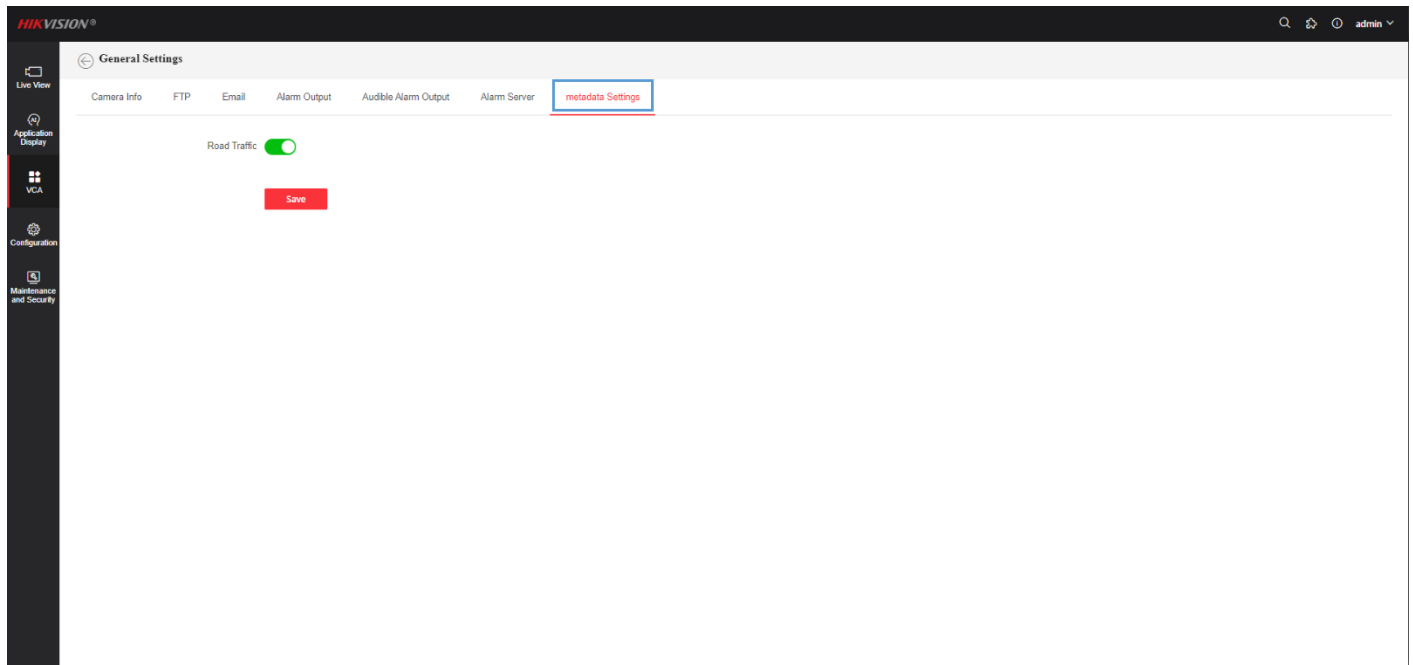
Configuration -> system -> system settings -> Wiegand
Make sure the "Enable" is activated and the protocol is set to : "SHA-1 26bit".



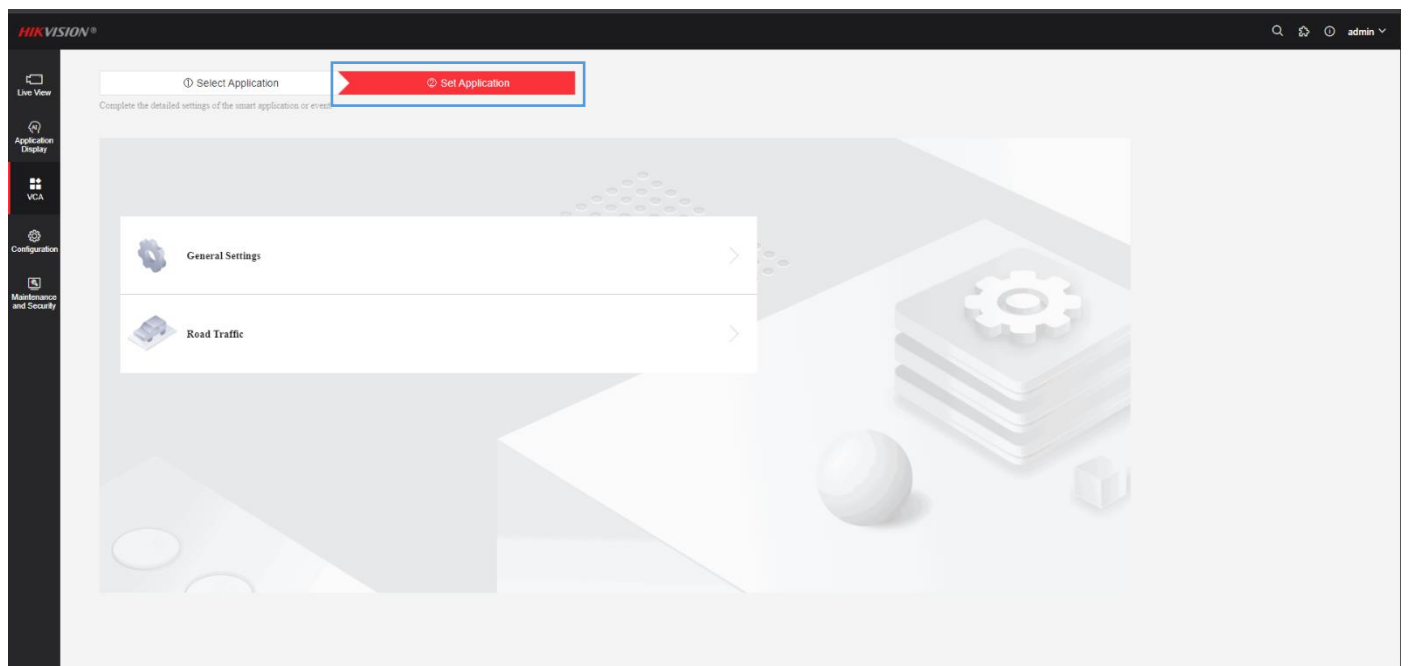
At the “VCA” settings enable the “ROAD TRAFFIC” application (if it was not enabled before, the camera will / needs a restart).



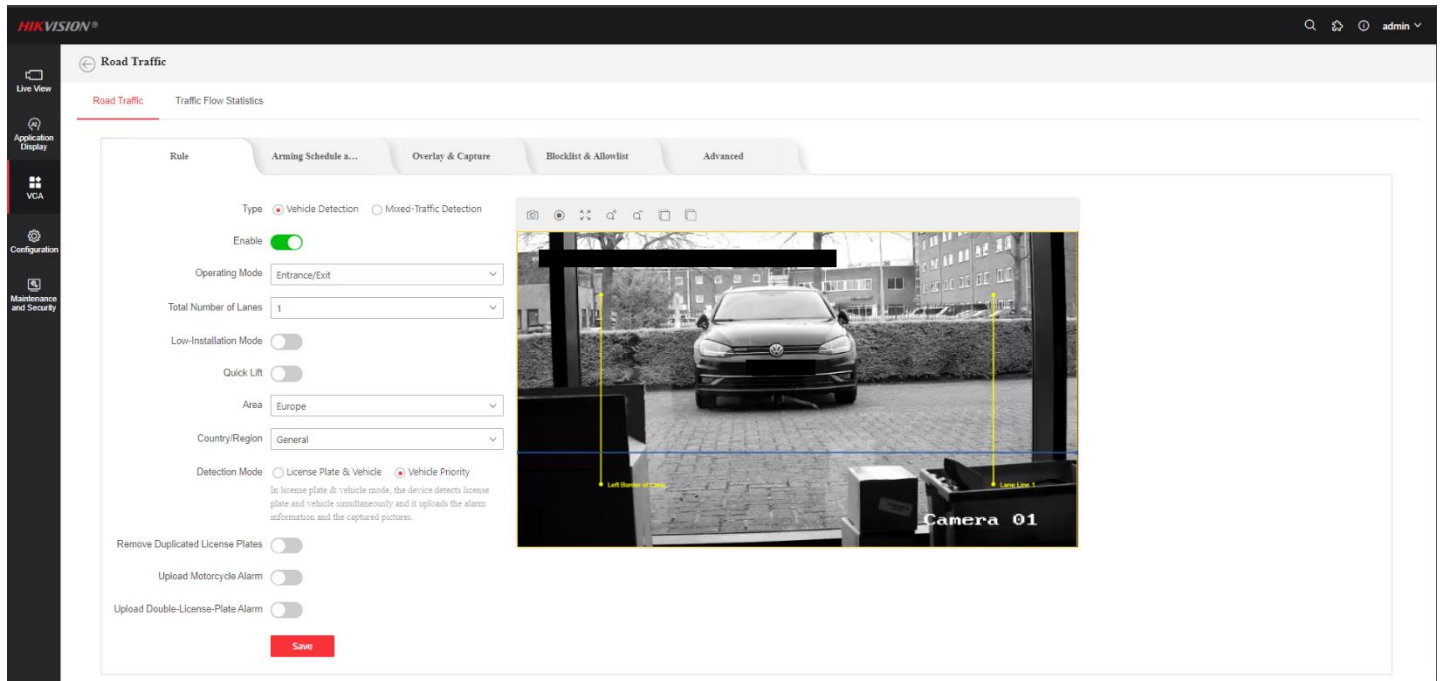
Click first on “SET APPLICATION”



Go to “Metadata Settings” and enable “Road Traffic”.



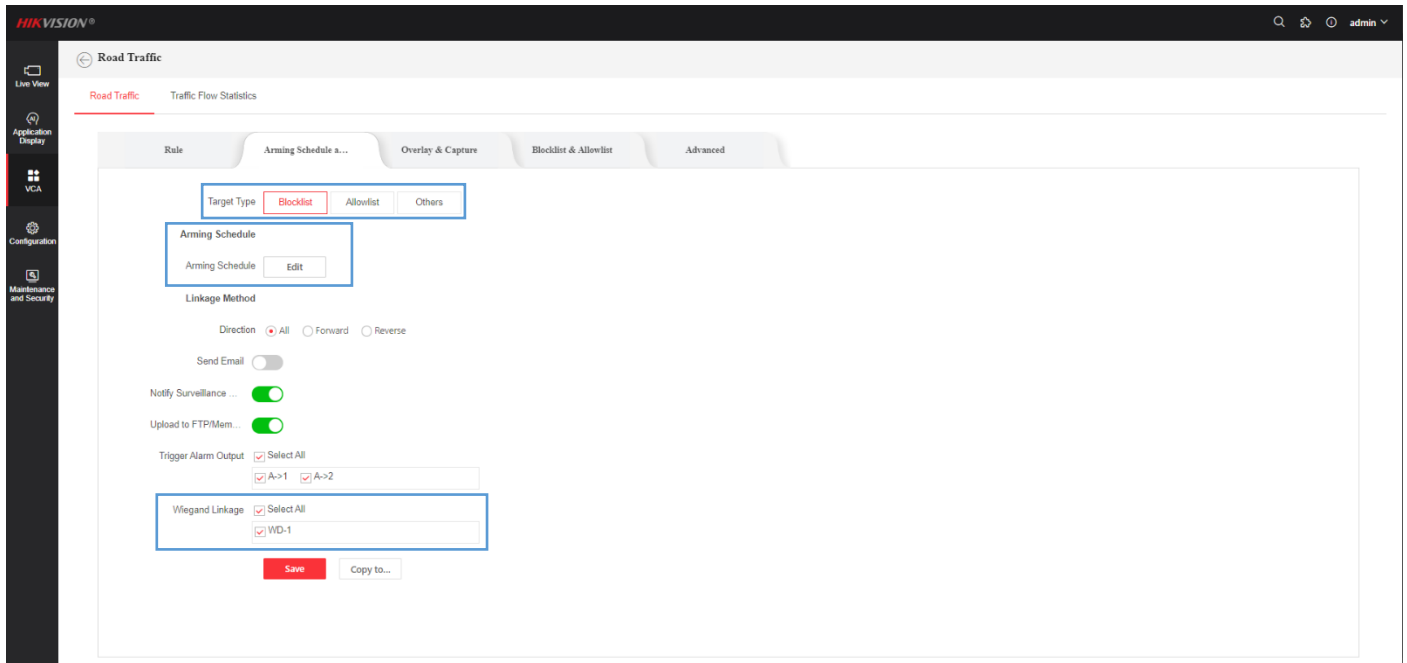
Go to “road traffic” for the next step of settings.



Draw the left, right border and the license plate read height.

Settings for parameters:

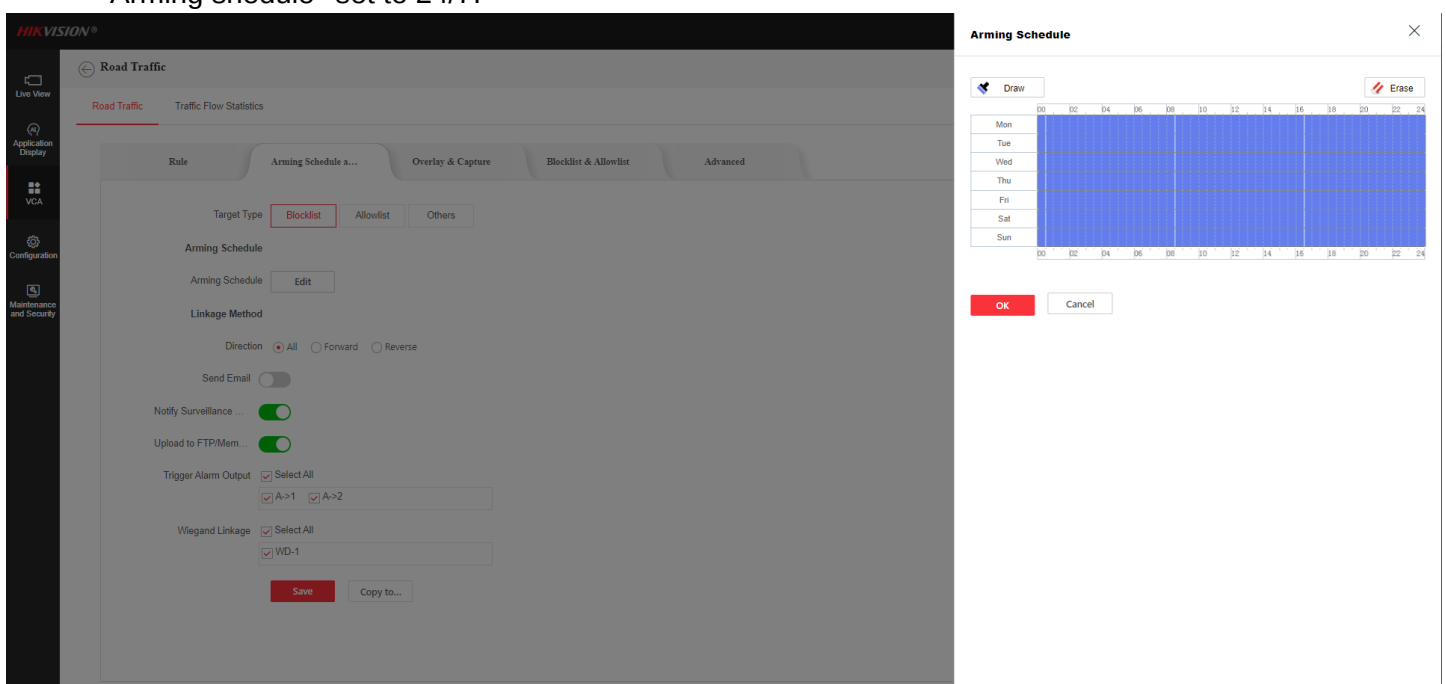
- Type => "vehicle detection"
- Put "Enable" => ON
- Operating mode => "Entrance/Exit"
- Detection mode " => "vehhicle priority"

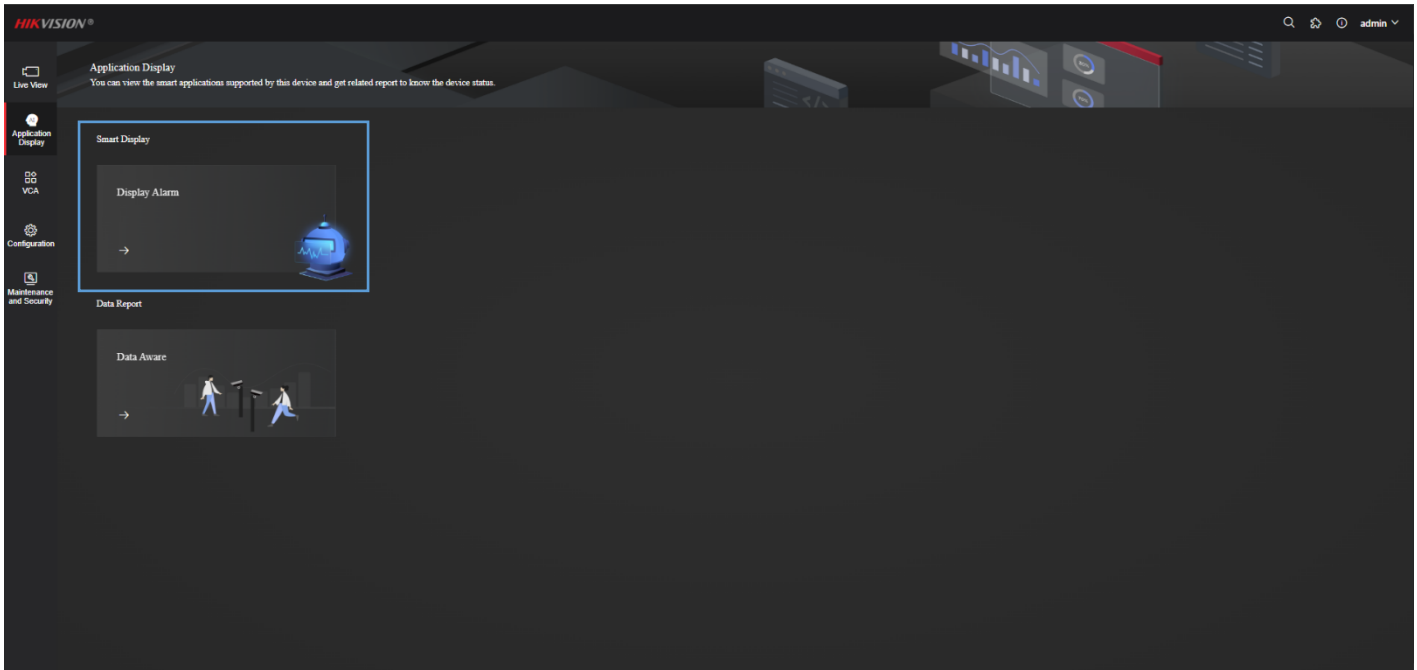


Make sure that the all target types are set like in the pictures on this page.

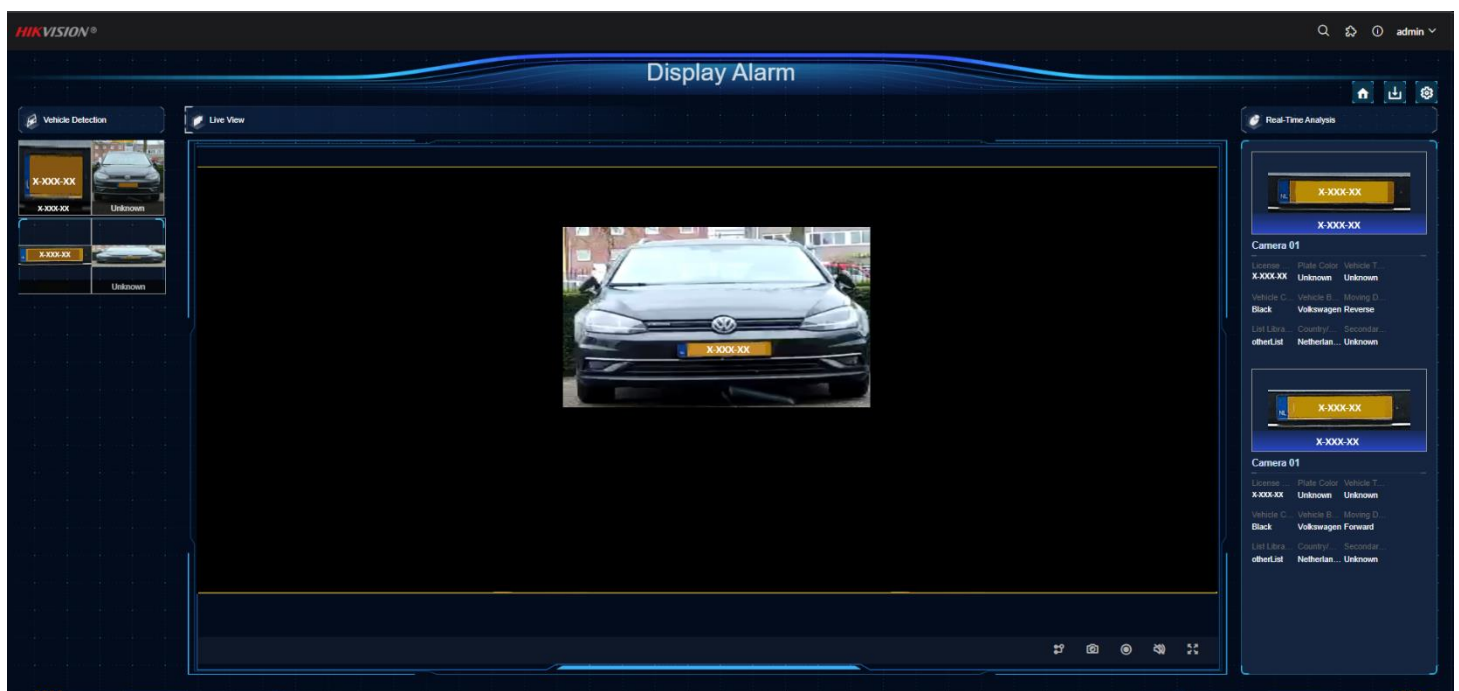
Arming schedule like the picture below.
Wiegand linkage to "WD-1".

"Arming shedule" set to 24/7.





To check the reading of the camera, go to “application display” and choose “Display alarm”. It will show the reading of the camera. How well it reads and what specific info it reads.



Config of ACU Paxton Net2

ACU
 ACU serienummer:
 Deur naam: ACU
 Deur groep: (Geen afdeling)
 Deur openingstijd: 3 seconden
 Open deur automatisch gedurende: Nooit toegang
☐ Ontgrendel de deur nadat een geldige gebruiker toegang gekregen heeft
☐ Stille werking
 Schakel relais 2 gedurende: Nooit toegang

Uitvoeren
 Annuleren
 Deur openen
 Identifieren

Lezer 1 | Lezer 2 | Alarm | Gebeurtenissen | Integratie met brandmeldpaneel | Multi-partitie Inbraak integratie | Bevoegdheden

Lezer details
 Naam lezer: ACU (In)
 Type lezer: ANPR - 26 bit Wiegand lezer
 Type keypad: Geen
 Kaart data formaat: ANPR - 26 bit Wiegand Nieuw formaat

Werkingsmodus
 Lezer werksmodus: Enkel kaart
☐ Tijd gestuurde mode - Dit is mogelijk voor diverse lezers gedurende een geselecteerd tijdschema.
 Gedurende dit tijdschema: 24 uur / 7 dagen
 Deze lezer zal werken als: Niet actief
 Deur actie - Wat wilt u dat er gebeurt als er een geldige kaart of pin is aangeboden:
 Relais 1 schakelt gedurende deur openingstijd

Set the next parameters in the ACU (door) unit corresponding to the wired reader 1 or 2. In this case the Wiegand of the camera is connected to the reader 1 port of the ACU.

- Type reader => "ANPR – 26 bit Wiegand reader"
- Card data format => "ANPR – 26 bit Wiegand"
- Reader working mode => "Card only"

Add a user and add a new credential. This will be the license plate, write the plate without the "–" marks. And authorize the user for the ANPR ACU.

Voornaam
 Achternaam
 Afdeling
 Telefoon
 Functie

User
 Users
 Mobiel
 Geldig van
 Geldig tot: Verloopt nooit

Bevoegdheden | Kaarten | Gebruiker gegevens | Overige gegevens | Gebeurtenissen | Huidige geldigheid | Anti-passback | Multi-partitie Inbraak integratie | Bezetting beheer | Checkpoint controle

PIN: Automatisch PIN | Kaart layout: Geen



Nieuwe kaart
 Verwijderen
 Verloren kaart
 Gevonden kaart
 Wijzig type kaart