SWISSTRAFFIC
we innovate mobility

SWIROO
PART OF SWISSTRAFFIC

AI | swissANPR AI

swissANPR AI is a highly sophisticated ANPR camera line with optional modules for onboard plate recognition and laser-sharp vehicle detection.
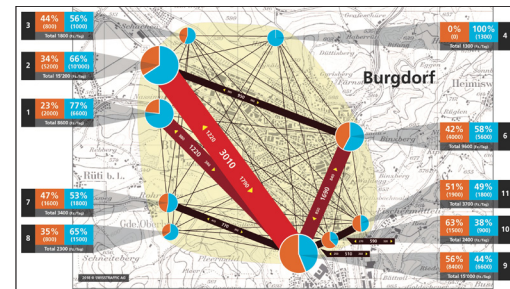
Smart-enabled swissANPR AI models are capable of running onboard ANPR with superior accuracy, along with vehicle make, model and color recognition, in order to quickly gather vehicle identification information on the spot.
Each unit is protected inside a compact and robotically assembled IP67 rated weatherproof housing to ensure impressive performance in all environments from the arctic cold to the desert heat.
Integrated illumination and advanced brightness control work together to capture clearly visible high-contrast images of both reflective and non-reflective plates.
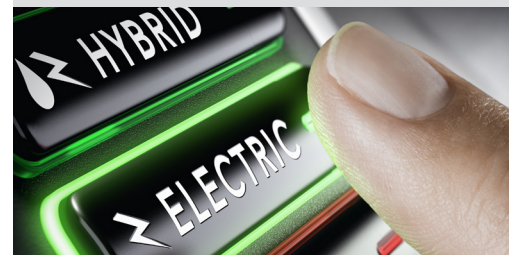Also good news for our ITS customers is that swissANPR AI is natively GDS-ready.

Main benefits
• swissANPR AI can work as a standalone traffic solution
• ANPR and Make and Model Recognition runs on-board (optional)
• Built-in synchronized illumination for superior imaging at any traffic speed
• Variable motorized optics for easy fine-tuning
• Built-in laser trigger for precise vehicle detection
• 150% faster OCR recognition than in the previous models
• High-quality automated manufacturing using robotic assembly
• ADR = Dangerous goods recognition

Graphical visualisation of the origin, destination and transit traffic through a city, municipality or neighbourhood with different vehicle types.

Identification of the share of electric, hybrid, diesel, petrol vehicles and their origins (country, canton, town)

ADR = Dangerous goods recognition
Automatic registration of dangerous goods transports and their cargo types, reads written and emty signs.

IDEAL APPLICATION AREAS

Destination, origin and transit traffic
Rat-running traffic
Travel times and routes
Proportion of electric, hybrid, petrol or diesel vehicles
Dangerous goods transports ADR
Segmental speeds
Traffic models and scenarios

TECHNICAL FEATURES

Fixed or mobile counting station
Autonomous for 5 days if mobile
LED display
Accurate lane tracking
Real-time data
Congestion-resilient
Origins: country/canton/town
SWISS10 (10 vehicle classes)

COMBINABLE PRODUCTS

swissSAFETY AI
swissNOISE AI
BlueScan
swissPARKING AI
swissSERVICES

SWISSTRAFFIC — we innovate mobility

SWIROO
PART OF SWISSTRAFFIC

Extend your view of ANPR cameras

Get more than just license plate recognition: on-board intelligence, built-in triggering, make-and-model recognition, and even speed measurement... independently of light conditions and enduring all weather conditions on the planet.

Setup is a breeze
It guides you through the steps and automatically tunes itself for the best settings.

Smart triggering
Multiple non-intrusive vehicle detection functions, performed on-board.

Adaptive to everything
The ever-changing light conditions in 0-24, weather and temperature extremes. SWISSANPR AI still withstands.

Integrated, non-intrusive triggers
No more missed vehicles

It's not only the perfect imaging that makes ANPR reliable – you will also need to capture vehicles at the right time and spot to have ANPR-ready input for your system. SWISSANPR AI has this function integrated, so you do not need to bother with any external triggering. On top of that, these triggering features are 100% non-intrusive, meaning that you won't need to break asphalt like in the case of classic induction loop technology.

Adaptive to the light conditions
From a bright morning to a pitch-black night

The traffic never sleeps – it's on the road, constantly moving in 0-24, and your system's performance should not depend on the ever-changing light conditions during the day. SWISSANPR AI knows it well, automatically adapts to day and night, while it handles even the special hours when sunlight strikes the view directly, or when there is absolutely no light but only vehicles' reflectors beaming into the camera.

SPECIFICATONS

- dual motorized optics
- high-performance 4-core ANPR processor
- built-in laser trigger
- optional MMR + color
- reads reflective/non-reflective plates simultaneously
- overview lens
- optical speed measurement
- direction detection
- wealth of features
- 2 types of illumination
- spectacular night-time performance
- natively GDS-ready

SMART MOBILITY SOLUTIONS
PRODUCT CATALOGUE

SWISSTRAFFIC Group

www.swisstraffic.ch
www.swiroo.com

Switzerland
Zurich
Ittigen
Lausanne
Brig
Sion

France
Paris

Slovenia
Ljubljana