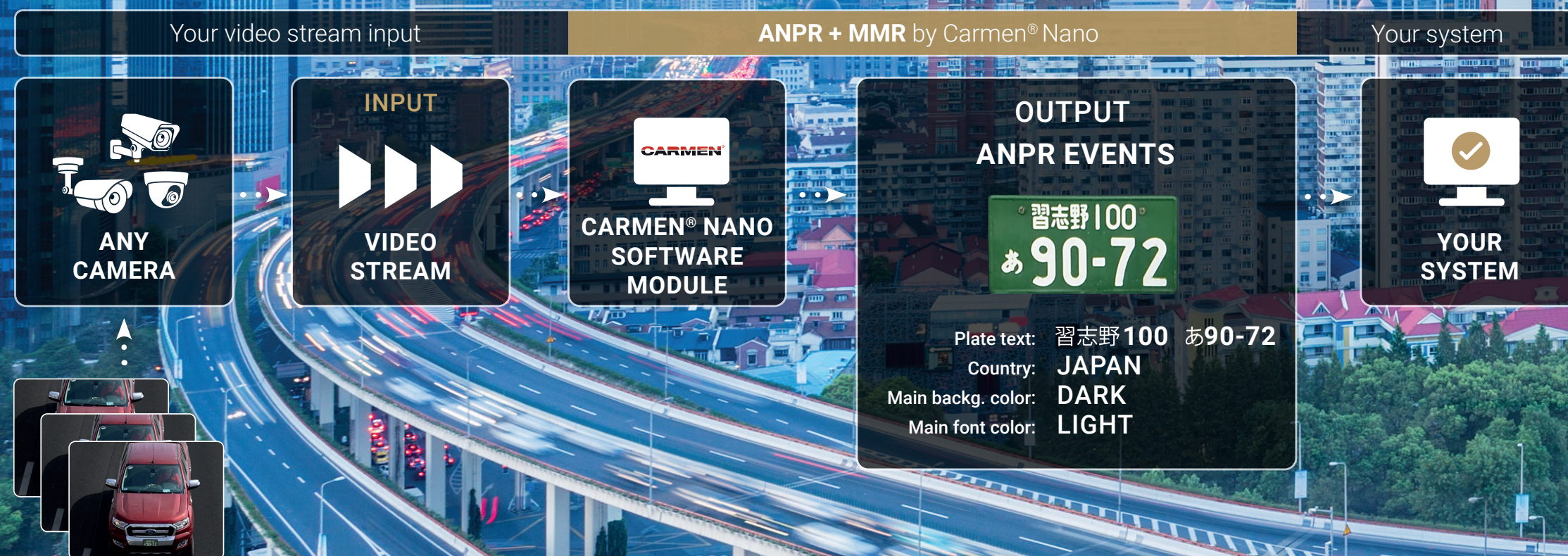


# Upgrade Any IP Camera With Carmen® ANPR Software



**CARMEN®**

## Carmen® Nano ANPR for NVIDIA® Jetson™ Computers

Carmen® Nano ANPR is a software module specially developed for NVIDIA® Jetson™-based computers. Its powerful processing power, video-based triggering, and ultra-fast, precise ANPR allow you to create future-proof traffic analytics systems and handle video streams from any IP camera\* with an on-premise ANPR software.

\* Cameras not included

### GPU-Accelerated Video Processing

Preconfigured settings for direct ANPR and access control or slow traffic monitoring.  
IP-based remote access for convenient operation.

### Camera-Independence

Whether it's a new system or an existing one, you can rely on Carmen® Nano to add fast and accurate ANPR—and, optionally, MMR—data to the stream coming from your regular IP cameras. Carmen® Nano also fully supports overview cameras with ANPR optimized settings, allowing an easy upgrade from a traditional system to a smart one.

### Easy Installation and Handling

With a variety of factory presets and settings available through a single, simple interface, you can tailor Carmen® Nano to your unique needs. Enjoy the intelligence of Carmen® and the power of NVIDIA® Jetson Nano™ without the need for servers, complicated installations, frequent maintenance, and expensive devices.



## Powered by Carmen®

# The Best and Most Precise ANPR and MMR Results

With Carmen® Nano, you receive your video stream with ANPR data already attached to it, provided by Adaptive Recognition's industry-leading Carmen® engine. Whether you rely solely on the default Carmen® engine or complement your ANPR results with make and model recognition (MMR) results as well via Carmen® ANPR Cloud, Carmen® boasts outstanding confidence rates even with hard-to-read plates and global coverage: the software is familiar with license plates used in 180+ countries worldwide.

Wherever you are on the globe, Carmen® has you covered with reliable ANPR and MMR data—with engine updates continuously available throughout the lifetime of the license.

**CARMEN®**

## Smart and Simple Interface

# Manage Devices and Get Events Rich With Information

The simple but smart interface called Device Tool allows easy handling of Carmen® Nano. Thanks to the various settings provided via the Carmen® Nano interface, including search, statistics, and allowlists, you are always in control of your system. Optionally, you can adjust the license plate detection area for the most optimal results, thus guaranteeing an exceptionally high detection and reading rate.

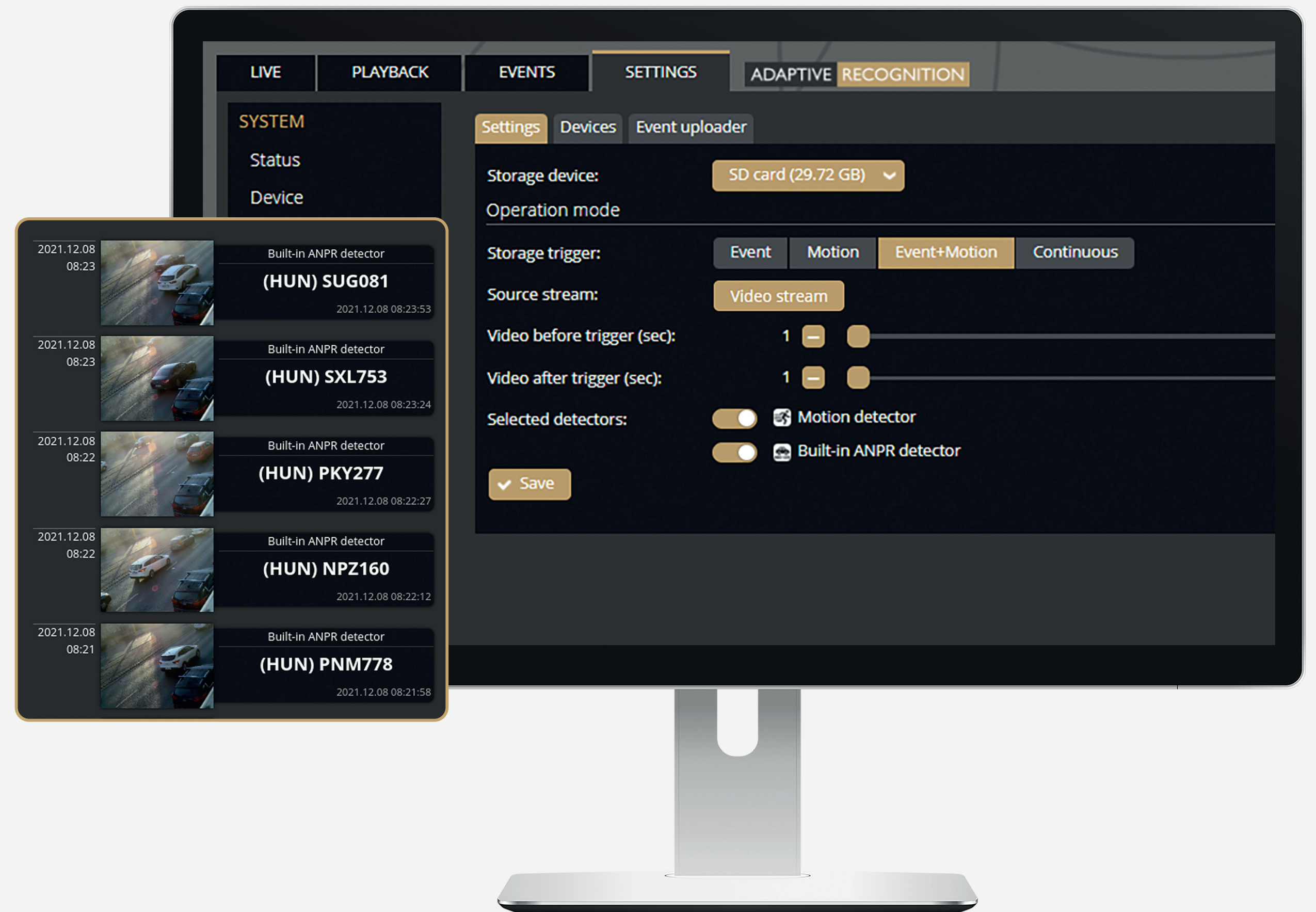
The event packages produced by Carmen® Nano can be filtered based on confidence for better results. All events contain the most important ANPR—and, optionally, MMR—data with the short video that can be played back any time.

# Easy Integration

## Smarten up Your Traffic Monitoring System

Carmen® Nano features an API, allowing you to fully integrate it with any kind of system, such as VMS (video management system), ERP (enterprise resource planning), and many more. There is also native support of GDS (Globessey Data Server), Adaptive Recognition's database middleware for event storage, analytics, and data visualization.

With Carmen® Nano, you can create an access control system without reconstruction and downtime using the stream of an overview camera or monitor traffic using an existing CCTV security system.



# Carmen® Nano

## General Information

Minimum system requirements	NVIDIA® Jetson Nano™ GPU Board (Maxwell GPU, 128 CUDA core) Quad Core ARM Cortex A57 CPU 4GB LPDDR4 memory 16GB eMMC flash memory
Available NNC types	USB 2.0 dongle - type A Mini-PCle card
Licensing	One year from purchase included, optional subscription available on yearly basis

## Interface

Engine	Carmen® ANPR Image Carmen® ANPR Cloud
Input	Camera stream protocols: RTSP Camera stream format: H.264
Output formats	HTTP/HTTPS upload Data stream through API Internal database on web interface GDS upload
Output	ANPR data Number plate data in UNICODE text Location of each plate on one image Country/State/Province ID Time stamp Image (event and cropped license plate) Background color (optional) Character color (optional) Category of the plate (optional) MMR data (make, model, color)
Trigger	Via video-based, GPU-accelerated PlateFinder module or external software trigger via API call

Technical specifications are subject to change without prior notice. This document does not constitute an offer.

# Contact

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