# FEATURES:

High Reliability:
State-of-the-art, proprietary recognition algorithms, with proven effectiveness worldwide

Core LPR Software or Cloud Service Availability:
Core ALPR Engine available to system integrators or end-users as a DLL, executable, or cloud service

Easy Integration:
Simple integration with ITS back office systems via INEX SDK/API

Multi-Country Multi-State Precise LP Recognition:
50 states, European countries, Mexico, Canada, Singapore, Japan, Taiwan, Indonesia, Philippines, and more

Multi-image Recognition:
Finest license plate read by selecting the best image or combination of images taken for the same car
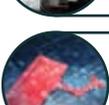
Low False Positives :
Performance error rates below 1% with specific regional state syntax configurations

Shadow Elimination:
Advanced image treatment algorithms to minimize light reflections and shadows on license plates

Fast Recognition Performance:
Virtually non-existent data processing time in different environments and applications

Wide Angle:
License plate reading at wide angle of incidence

Scalable Architecture:
Allows for running multiple engine processes to utilize hardware platforms and multi-core CPUs

Open System Architecture:
A wide range of communication protocols simplify integration with existing back office/lane equipment

Improve Quality of License/Number Plates Reads with InSignia™ primary or secondary ALPR/ANPR Software Engine
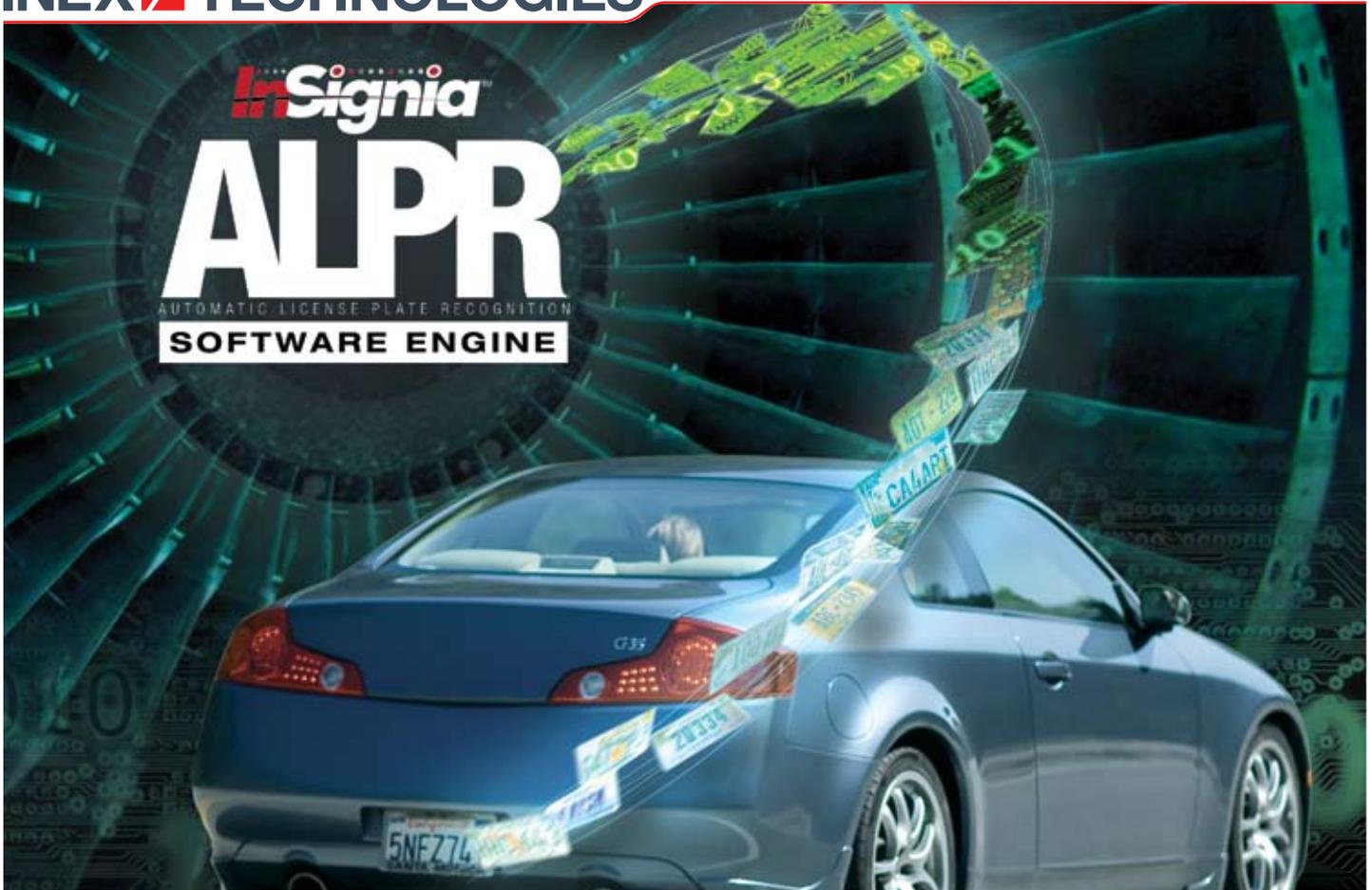
InSignia™ ALPR/ANPR Engine is the Automatic Number/License Plate Recognition software designed specifically for Intelligent Transportation Systems (ITS), tolling and tolling violations marketplaces. **InSignia™** can be used as a primary or secondary ALPR/ANPR engine, to provide both real-time plate recognition and backend batch ALPR processing.

The **InSignia™** Engine ALPR software solution uses license plate images to produce accurate ALPR computer-readable data. **InSignia™** Engine utilizes INEX's proprietary technology – a set of algorithms developed over 20 years. With a typical processing time of 200 ms, InSignia™ Engine provides accurate ALPR results over a wide range of image qualities and pixel densities. **InSignia™** ALPR Engine has been integrated in a number of ITS backend systems, and has been deployed in major tolling installations.

The **InSignia™** ALPR Engine reads license plate data from both real-time video streams and pre-captured still images with a very high accuracy. The software can be pre-configured for the optimal recognition of plates from specific states, regions, or countries.

The **InSignia™** ALPR Engine is tolerant of skewed and off-axis plate reads, various plate sizes, syntax configurations, and designs. InSignia™ is easily configurable for the specific needs of ITS or tolling installations.

Due to its outstanding technology, the **InSignia™** ALPR Engine delivers guaranteed performance, high speed image processing, impressive recognition and low error rates, as demonstrated by the number of installations on many toll roads in the U.S. and across the globe.

InSignia™ THE FASTEST ALPR/ANPR ENGINE ON THE MARKET

Recognition
License plate
State of origin
Plate style

Geography
Europe
USA, Canada
Mexico
Latin America
Asia

API/SDK Interfaces
C
C++
C#
VB.NET
ASP.NET
Webservice

Hardware platform
Intel

Operating System
Windows

Input format
JPG, TIFF, PNG, BMP, GIF, RAW
GigE Vision

Performance
30-200 ms per transaction,
depending on required yield and
accuracy

Licensing models
Per processor
Per channel/camera
Per number of transactions

INEX TECHNOLOGIES designs, develops, manufactures and sells comprehensive Automatic License Plate (ALPR) hardware/software solutions for license plate recognition and vehicle identification. As the developer of both proprietary ALPR imaging hardware, and firmware/software analytical engines, INEX TECHNOLOGIES achieves the optimum synergy to create the world's premier license plate recognition systems for any plate, any ambient lighting, any weather condition, and for vehicle speeds of up to 120 mph (194 km/h). INEX TECHNOLOGIES' ALPR and vehicle identification technology accurately captures license plate data from passing vehicles in real-time.