

InnoWare

Technologies

●●● Beyond LPR



InnoTraffic

High-performance, cost-effective, intelligent LPR
for Free Flow applications

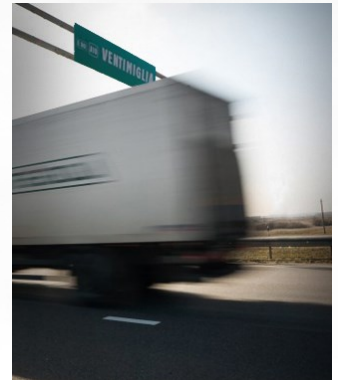
InnoTraffic is a complete LPR suite for free flowing traffic environments: wherever vehicles move at high(er) speeds or in lesser controlled flows, InnoTraffic is the perfect application for License Plate Recognition.

Basic Features

- Detection up to 230kph
- Works in WAN and stand-alone
- ISO certified (Class A 100%)
- Detection within 20ms
- Virtual Tripwire Plugin
- Export Data Protection
- Event Retrieval Tool
- Traffic Light Management Plugin
- Traffic Management Algorithm
- Live Database Synchronizing
- GPS plugin
- Advanced VCA Interfacing

Applications

- LTZ – Zone Entry Control
- Red Light Enforcement
- Speed Enforcement
- Lane Use Violation
- Stationing Violation
- Traffic Management
- Traffic Statistics



Competitive Advantages

- Hardware Neutral
- Camera Independent
- Modularly Structured
- Plate Independent
- ONVIF Compatible
- Extreme CPU efficiency

Customer Benefits

- Reduced investment requirements
- Usable in any configuration
- Ability to re-use existing front-end
- Reduce congestions
- Avoid unauthorized footage access
- Simplified (fast) set-up and deployment



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Specifications

Hardware Requirements	2 CPU cores (physical or virtual) - 1.8 GHz - 1 GB of RAM per lane
Supported Video Sources	Any RTSP enabled IP camera - H264 and MJPEG
Supported Proprietary Streaming Protocols	Axis - IndigoVision - Basler
Operating System	Windows 32/64 bit (LPR engine & Application Interface) - Linux (LPR engine)
Application Language	English, Italian (translation ready)
Supported License Plates	Arabic Characters - Font Independent - Country Independent - Plate Independent
Supported Generic I/O Devices	USB - Based, Wiegand Compliant, Serial Ports
Supported Proprietary I/O Devices	Neosys - IndigoVision
Recognition Triggering	Motion Detection - Virtual Tripwire - External Devices
Image Storage	Plate Image - Overview Images (pre and post recognition)
Managed Events	Plates in Black/White Lists, LTZ Authorization, Traffic Light Status, Speed Limit, Reserved Lanes
Third Party Integration	VMS - PSIM
Project Configuration	Locally and Remotely
Supported Database	SQL Server (2005 and up)
Supported Database Structure	Local and Remote
Output Actions	Set Alarm & Bookmarks - Start Recording - Drive Barrier, Messaging Panels - Start Audio Messages
Output Data	License Plate Number - Site Name - Lane Name - Detected Event Code

Subject to change without notice - Contact us for more information

About InnoWare

InnoWare is an Italian developer of proven, modular, multi-purpose License Plate Recognition suites. InnoWare helps its private and public customers automatically manage and control their infrastructure, small or large, single- or multi-site, whether moving objects are cars, trucks or other, moving at low or high speeds, and whether systems need be deployed integrated or stand-alone, using new or existing products.

InnoVis Mobile Eye2^(*)

Integrated LPR Recognition System designed for mobile application.



- Designed for use on highways or suburban and city roads.
- The small and light assembly makes it ideal for mobile LPR.
- The large storage capacity does not require frequent uploads to external storage.
- The operator can monitor the recognition activity using any Windows/Android/iOS based device.

Technical features^(*)

The Automatic License Plate Recognition camera “**InnoVis Mobile Eye**” is made by the following items:

Licence Plate Camera

Basler acA (ACE) I300 -60gm USB 3.0 B/W sensor 1/1.8” CMOS 1296 x 966 pixels -60 frame/sec.

Overview Camera (optional) – M3 Only

Basler Bip2-1920c-dn - day/night color sensor CMOS - 1920 x 1080 pixels - 30 frame/sec - ONVIF

Integrated Illuminator

Hi-Power IR-850nm LEDs

Pulsed power: up to 300 W

Distance: up to 15 m.

Beam angle: 20 degrees

Pulse width: 0.1 to 2.5 msec , Up to 50 pulses/sec.

Lenses

HR 2/3” with IR filter (for the LPR camera).

Focal length: 16, 25, 35 mm – F1.4

License Plate Recognition Software

InnoWare’s InnoTraffic.

Accuracy: Class A 100% - ISO-10772 certified.

Detection speed: up to 160 Km/h.

Continuous or trigger based capturing.

Country and font independent.

Can act as an ONVIF NVT.

Color and B/W streaming – RSTP – H264

Time Sync via SNTP or internal GPS

Processing Unit – M3S Only

Fanless industrial SBC:

- CPU: Intel Core i3-6100U
- RAM: 4 GB
- HD: 128 GB SSD M-SATA3
- 1 Gigabit Ethernet port
- 2 USB 2.0 ports
- 2 USB 3.0 ports
- 2 COM - RS232 ports

(*) Specifications and housing’s layout can change without notice.