



TRAFFIC**SCANNER**[®]

The solution for recognition
of car licence plates
and for traffic-flow analysis.



Traffic Scanner[®] is a solution for reading and recognising vehicle licence plates from all European countries.

Its purpose is automatic detection of vehicles which are being sought and analysis of traffic flow.

Traffic Scanner[®] complements traditional video-surveillance systems ensuring effective control of the territory in the event of criminal events.

The functions of Traffic Scanner[®]

Traffic Scanner[®] performs the following functions within a single system:

- database storage of photographs and of recognised vehicle licence plates
- text-message/email/Telegram/App Android/ popup reporting of vehicles that are being sought
- production of advanced reports for studying traffic conditions and flows
- analysis of dangerous goods detected

Functions of the system

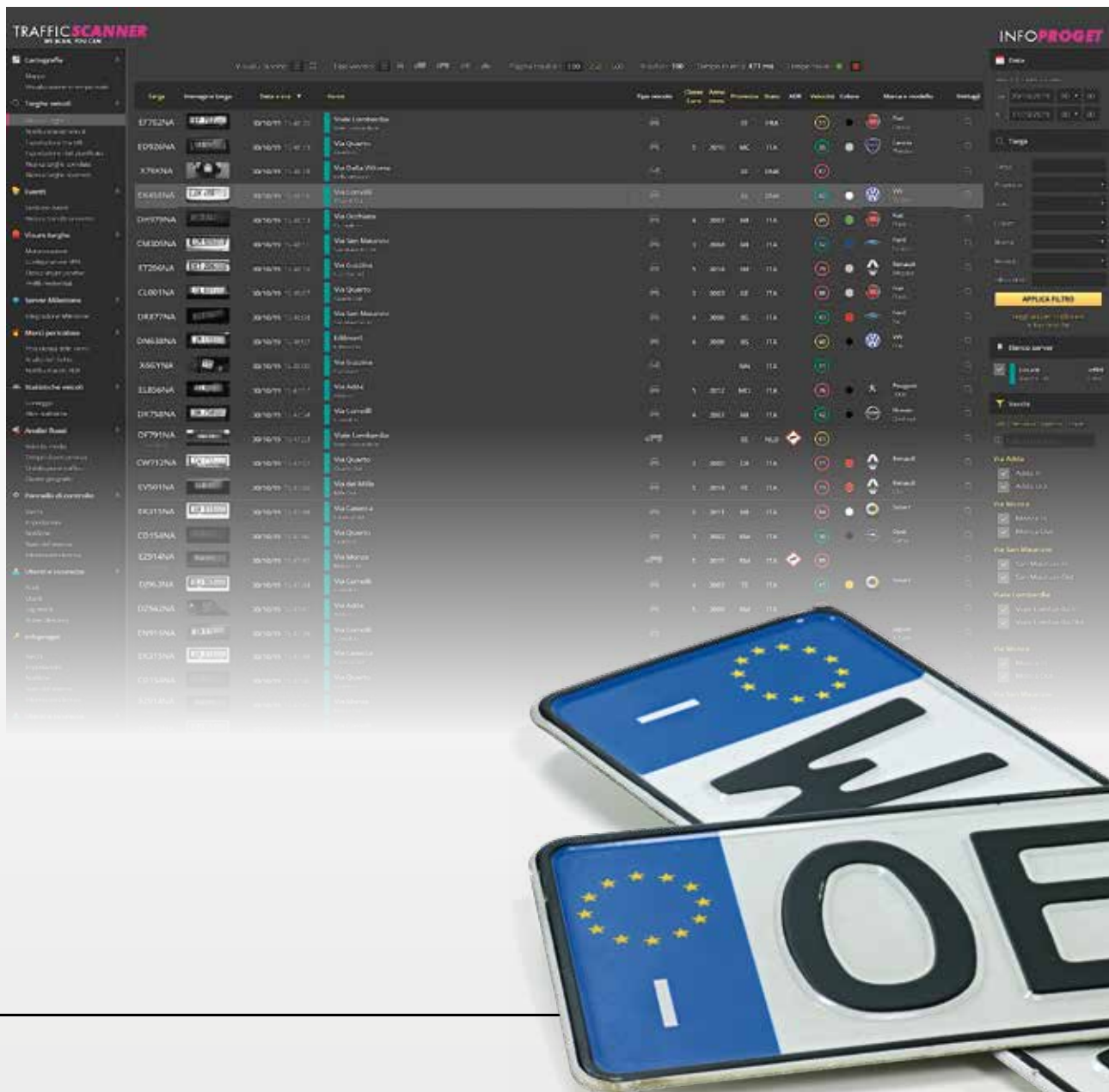
Recognition of vehicle licence plates

Using video cameras fitted with licence plate recognition functions, recognition of vehicle licence plates is carried out in real time by the Traffic Scanner® server.

The number of the recognised licence plate is immediately checked against the numbers present in the blacklists. If the number matches, a message is sent immediately to the telephone numbers associated with the blacklist for immediate detection.

Consequently, seconds after the vehicle has passed, appropriate action can be taken, for example the intervention of a patrol in the area.

Thanks to Traffic Scanner®'s multi-user mode, the device can be used by different Authorities without prejudicing the confidential nature of the search data such that no Authority has access to data inserted by a different Authority.



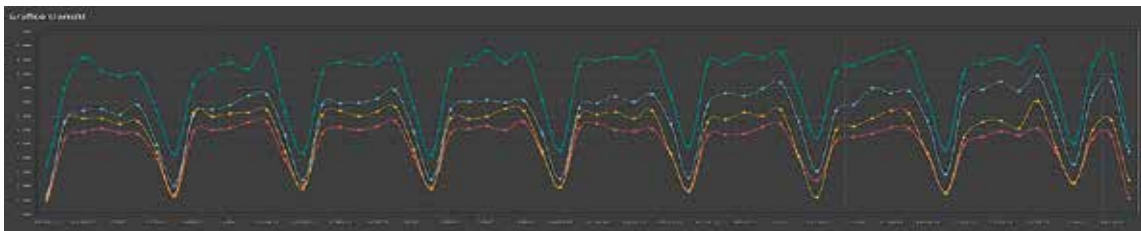
Functions of the system

Advanced reporting and statistical analysis of transit data

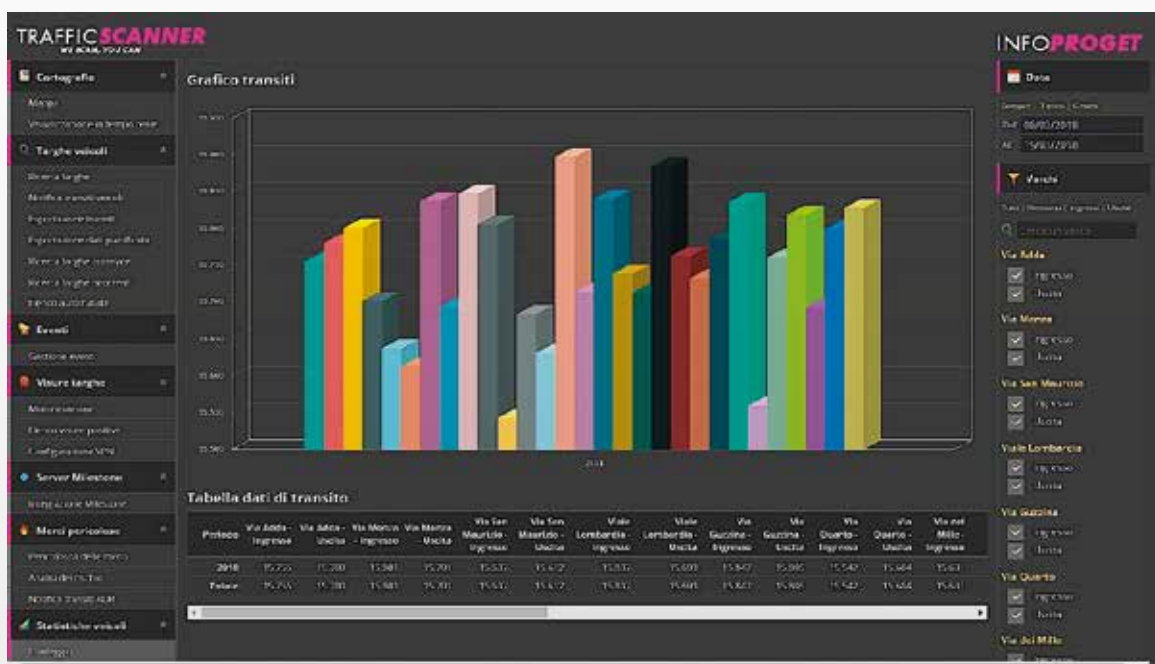
Traffic Scanner® integrates an extremely powerful, sophisticated statistical analysis engine capable of analysing hundreds of millions of licence plates and of extrapolating from the mere number a quantity of information never before analysed.

The following list shows the information that Traffic Scanner® can elaborate:

- partial and consolidated count of the number of vehicles passing, subdivided by individual vehicle category



- graphic visualisation of average crossing speed over time
- recognition of ADR (Kemler) codes for HGVs transporting dangerous goods (explosives, corrosive chemicals, especially environmental pollutants and radio-active substances)
- classification of vehicles (automobiles, motorised vehicles, motorcycles and heavy goods vehicles)
- classification of licence plate numbers by nationality (all European countries, GCC countries, the UAE, Australia, Canada, North Africa, Latin America)
- calculation of time vehicles have spent in urban areas



MULTISERVER Features

Traffic Scanner® provides interaction between different servers

- ▶ **Consolidation of remote server data on a central server:** remote Traffic Scanner® servers transfer in real time on a single central server the transit data received. This architecture allows the management of separate privacy policies
- ▶ **Peering:** the servers communicate bidirectionally with each other returning the data of all connected servers.
When a user searches for a license plate number the query is propagated to all connected servers that returns all the results as if you were querying a Single server.
- ▶ **Partitioning:** this feature allows you to partition the server so as to allow the individual user to manage a subset of the gates defined in the system.
For example, given a server with 20 gates, it is possible, by activating this module, to ensure that a user can access only the data of the first 10, one second the remaining and one third all 20 gates



- ▶ **Integration with Microsoft Active Directory:** enabling the integration plugin with Microsoft Active Directory, it is possible to delegate to the operating system the process of validation and profiling of the user who accesses Traffic Scanner® (SSO - Single Sign On).



Tools for public administration

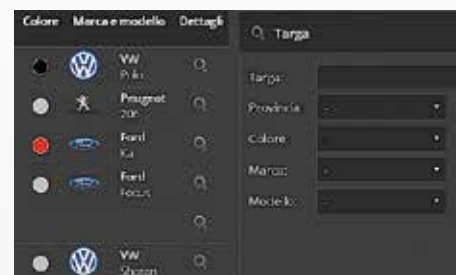
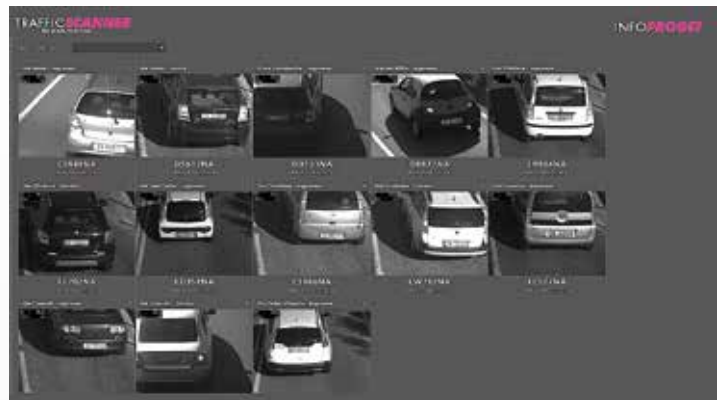
Traffic Scanner® provides Public Administration (Mayors, Councillors, Technical Offices) with very useful information for analysing traffic conditions over time.

In this context Traffic Scanner® represents a real step ahead since until now this type of analysis had been carried out in an improvised manner, for brief periods, carrying out a posteriori statistical projections of data collected.

Traffic Scanner®, in contrast, analyses data as a whole presenting aggregate analyses based on real, continuous surveying and thus provides a precise view of how traffic develops over time in the monitored area.

Analysis functions

- Traffic intensity hour by hour
- Tally of vehicles transiting in a given time interval
- Breakdown of vehicles transiting by nationality
- Classification of types of vehicles transiting
- Analysis of propagation flow of traffic within the territory
- Subdivision of commuter traffic and local traffic

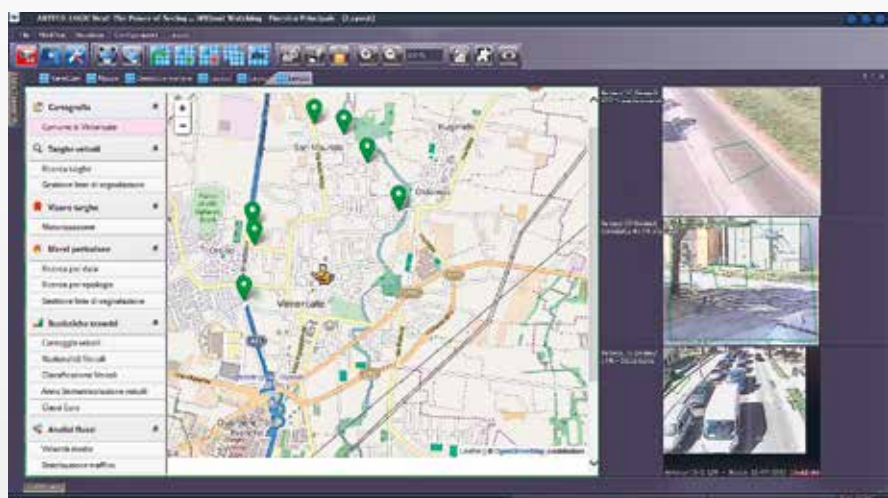
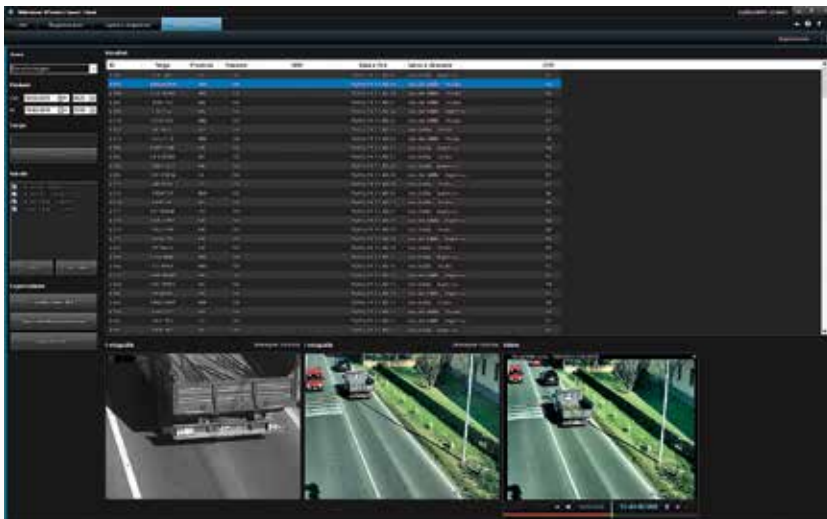


Integration of TRAFFIC **SCANNER**® with other systems

Traffic Scanner® integrates totally with the **Milestone Xprotect**, **Arteco VEMS**, **Hikvision Central** and **Mirasys VM** product lines and presents its contents within the respective management interfaces.

Thanks to this integration we have created an extremely powerful, user-friendly analysis tool, providing a quantity and quality of data never before available.

Access to the Traffic Scanner® can be managed indifferently using a native web interface or proprietary interfaces and thus enhances user experience.





INFO**PROGET**

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