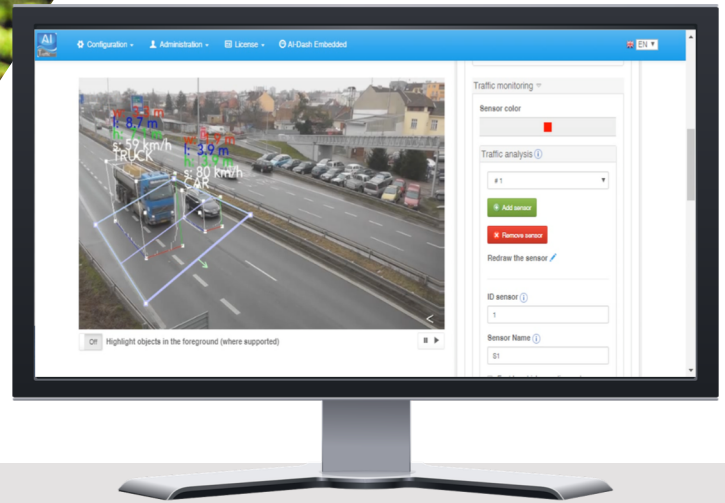


AI-TRAFFIC

The integrated video analytic AID solution for
smart city and traffic monitoring



AI-TRAFFIC is the video analytic solution powered by A.I. Tech for smart city and traffic monitoring. It is based on an the most advanced algorithms for 3D analysis of the scene.



A.I. Tech video analytic technology was selected as the **winner** of the Business Intelligence category in the Benchmark Innovation Award 2018. The awards are designed to recognize and reward innovative thinking and the delivery of benefits through advanced security solutions



AI-TRAFFIC is available in the form of a bundle including all the features or with a limited number of features (AI-ROAD3D or AI-INCIDENT)



Vehicles counting



Vehicles classification [motorbike, car, truck]



Avg. speed



Vehicles colour



Traffic density



Pedestrian detection



Congestion detection



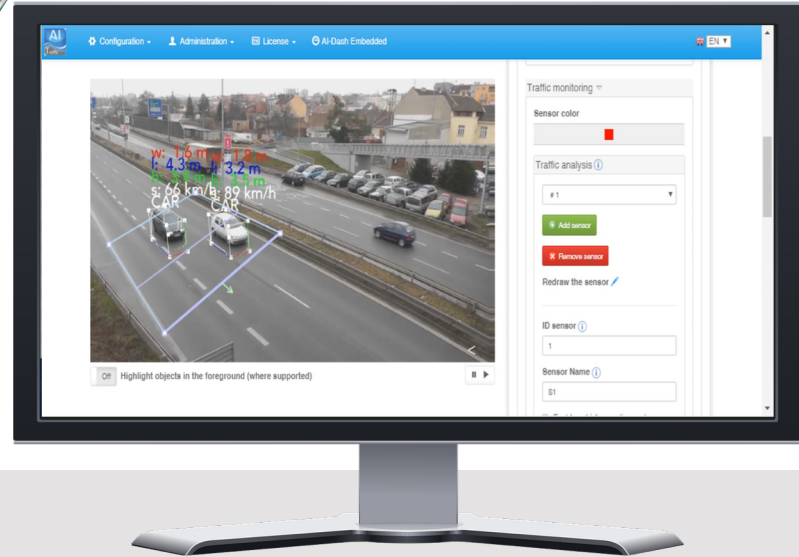
Stopped vehicle



Vehicles in the wrong way



High speed



Thanks to AI-Traffic, the surveillance camera is transformed into a **sensor** able to generate a wide amount of traffic data, in terms of:

- **alarms** [pedestrian detection, stopped vehicle, vehicles in the wrong way etc.] for allowing a fast rescuing
- **statistics** [traffic density, vehicles counting and classification etc.] for flow monitoring



Vehicles counting, classification, Avg. speed, high speed and colour estimation, traffic density




Detection of pedestrians, congestion, stopped vehicles, vehicles in the wrong way


ACCURATE & RELIABLE

 The intelligent video analysis by A.I. Tech is based on a powerful engine which uses advanced algorithms of Intelligence and Artificial Vision, which allow to drastically reduce the number of false alarm, by making the solutions by A.I. Tech robust with respect to the illumination changes and to the presence of shadows and reflections. They allow to well operate both in indoor and outdoor environments.


OPEN

 The video analytic plugins are provided with a public API that allows its full openness towards third part systems for the notification of the events


SIMPLE TO CONFIGURE

 The video analytic plugins are provided with a simple and intuitive configuration system, which allows the setup of the algorithm parameters, the definition of the areas and the lines of interest, the choice of the channels for event notifications and the license management.

EFFICIENT

 The engineering of the algorithms allows to elaborate in parallel a high number of video streams per single core with a full frame rate, so drastically reducing the cost of the hardware.

INTEGRATION

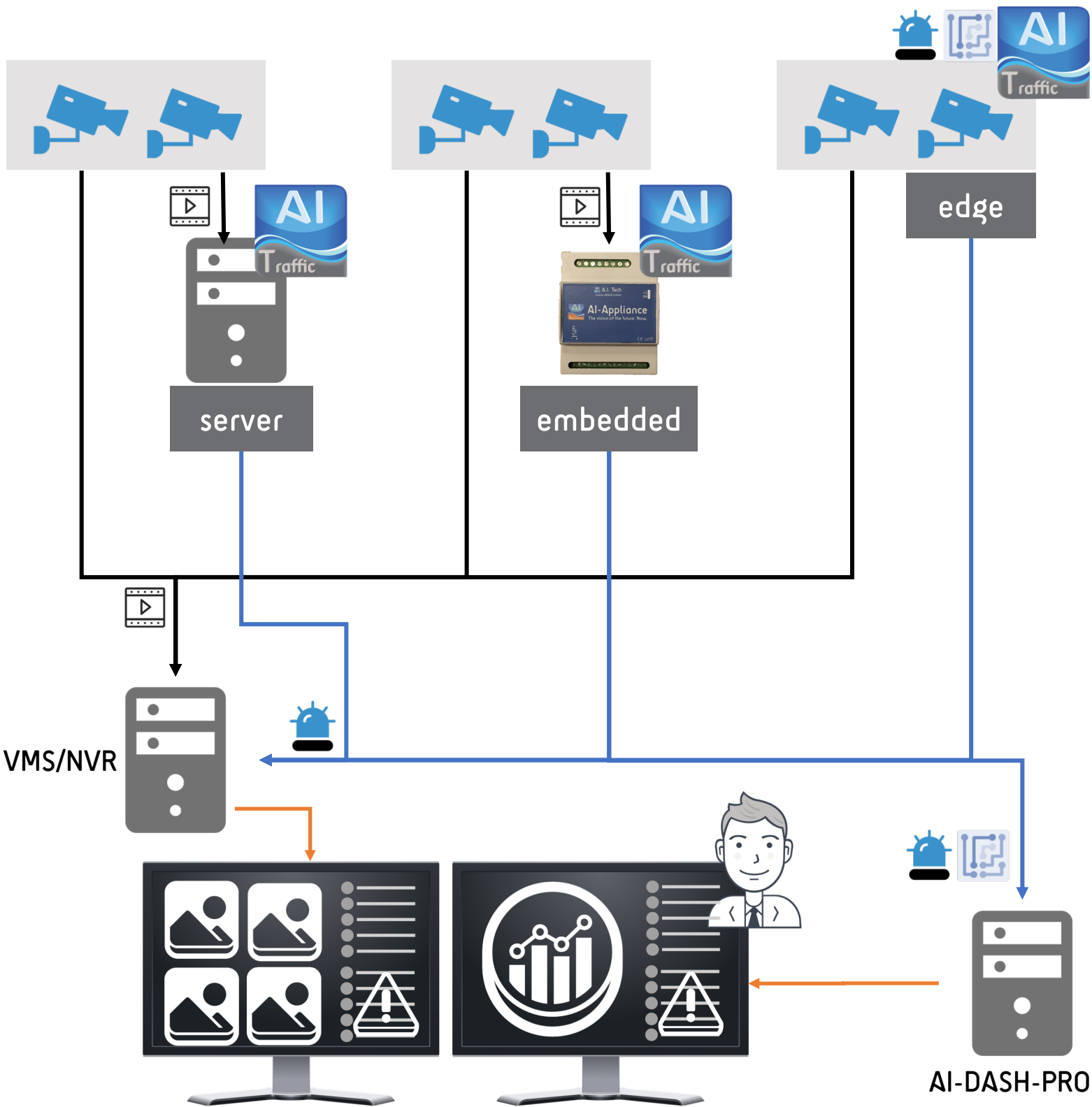
 The video analytic plugins are able to notify the events through different channels, even simultaneously:

- Third part VMSs [Arteco, Milestone Xprotect, Wisenet Wave, Wisenet SSM, Avigilon]
- NVR Hanwha Techwin
- Text string over TCP-UDP protocols [POS-like]
- E-Mail/FTP
- Digital Output of the camera [with edge side version]
- AI-Dash-embedded / AI-Dash-PRO
- Other third part systems [HTTP+json]
- Customizable CGI

MULTIPLATFORM

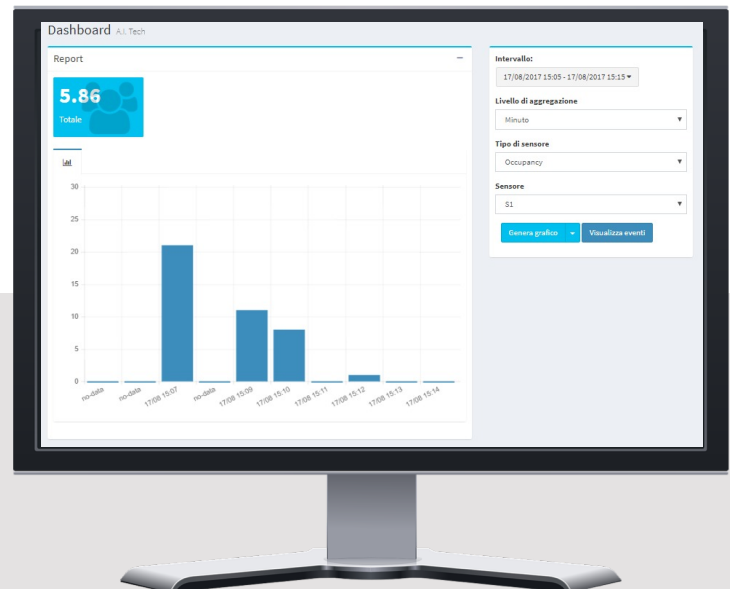
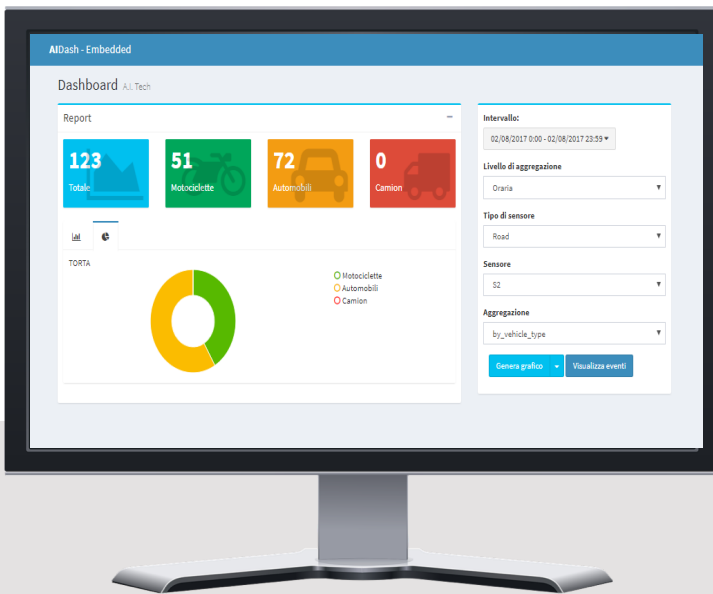
The video analytic plugins are available:

- Server side (Linux based)
- Embedded, as an integrated hw+sw solution (AI-Appliance)
- Edge side (ask the compatible cameras to our support)



DASH add-on

All the plugins edge-side are also available with a DASH add-on. The plugin indeed, also includes a dashboard integrated directly on board of the camera. Data related to the events, are stored directly on board of the camera (if equipped with the SD card), without the need of any external server. Such data can be visualized in a tabular and graphical form and a set of images associated to the events can be also stored.



You could be also interested in:



AI-APPLIANCE



AI-DASH-PRO



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