AI-SECURITY

The integrated video analytic
solution for security

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AI-SECURITY

AI-SECURITY is the video analytic solution for helping the human operator in its monitoring task.

"After 12 minutes of continuous video monitoring, a guard will often miss up to 45% of screen activity.
After 22 minutes of video, up to 95% is overlooked".

www.benchmarkmagazine.com

B

INNOVATION AWARDS 2018
WINNER
Business Intelligence
A.I. Tech
AI Retail

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

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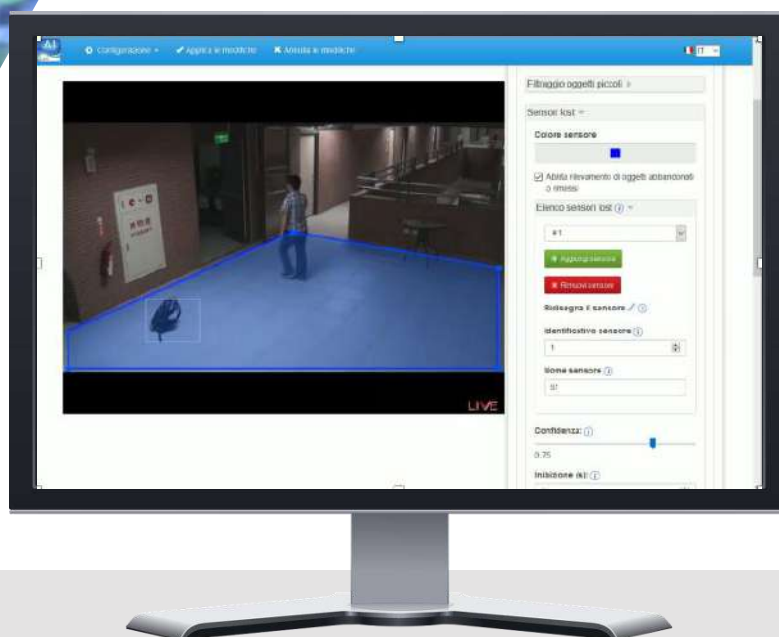
AI-SECURITY

AI-SECURITY is available in the form of a bundle including all the five features or in the form of a single plugin (AI-INTRUSION-(PRO), AI-LOST, AI-LOITERING, AI-FIRE, AI-SMOKE). Combination of two or three features are also available.

- Crossing lines detection
- Entering in forbidden areas detection
- Multiple crossing lines detection
- Loitering detection
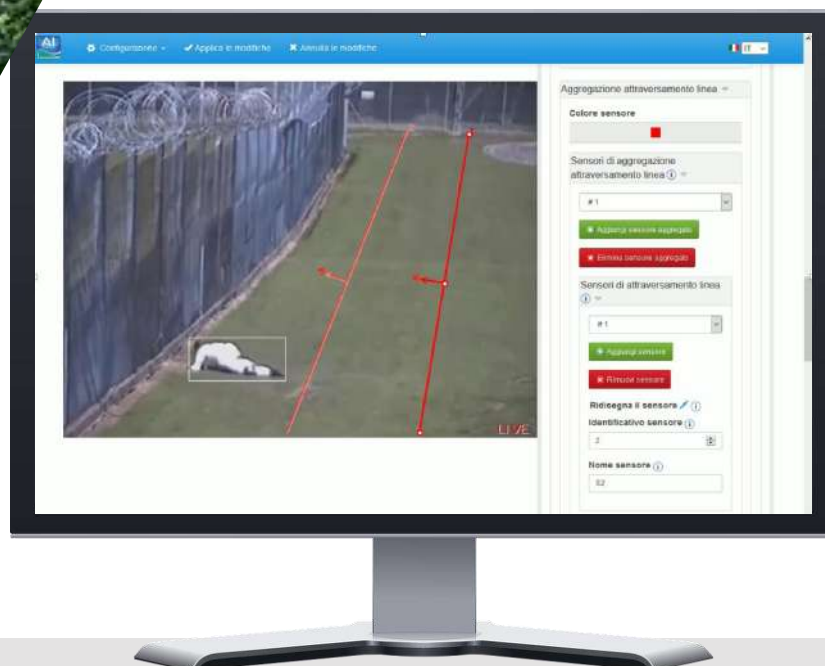- Abandoned/removed objects detection
- Smoke detection
- Flame detection

AI Loitering   AI Lost   AI Intrusion   AI Fire   AI Smoke

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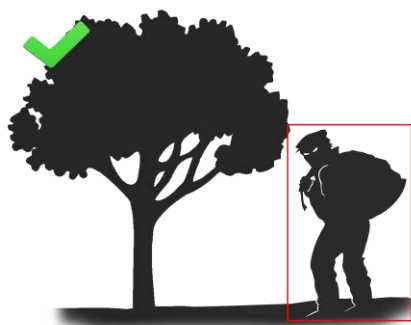### The Vision of the future. Now.

AI-INTRUSION

▦ Crossing lines detection
🏃 Entering in forbidden areas detection

AI-Intrusion is the video analytic module which allows to reveal intrusions in sterile zones and crossing of virtual lines (for instance for the perimetral security of the building).

AI-Intrusion allows the human operator to define an unlimited number of areas and virtual lines inside the scene. AI-Intrusion can be installed both indoor and outdoor and can work combined with both thermal and traditional cameras, the former ones being preferred. Thanks to an advanced algorithm of intelligent computer and artificial vision, AI-Intrusion can correctly work, with an accuracy higher than 95%, if combined with thermal cameras.

AI-INTRUSION-PRO

▦ Crossing lines detection
🏃 Entering in forbidden areas detection
▦ Multiple crossing lines detection

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AI-LOST

Abandoned/removed objects detection

AI-Lost is the video analytic module which allows to detect abandoned and/or removed objects (for instance objects abandoned in public areas such as airports, train stations or metro stations; garbage abandoned on the street; paintings or artworks' thefts in a museum).

10x12px

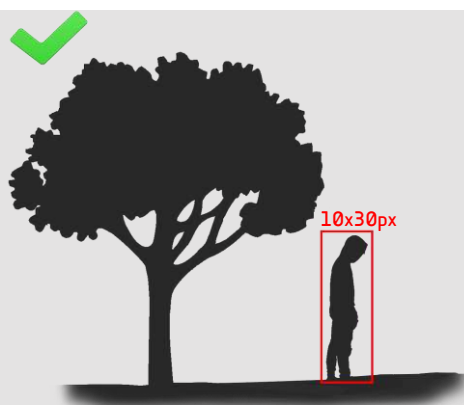AI-Lost can be installed both indoor and outdoor and can work combined with both thermal and traditional cameras.
The permanence time of the objects inside the scene can be set by the user in a range 1-10 minutes, depending on the particular application field.

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AI-LOITERING

Loitering detection

AI-Loitering is the video analytic module which allows to detect suspicious behaviours of persons staying in a given area for a long time, that can be configured by the human operator.

10x30px

AI-Loitering can be installed both indoor and outdoor and can work combined with both thermal and traditional cameras.
AI-Loitering correctly works, with an accuracy higher than 90%, in cases in which the subject is not occluded for at least 95% of the time and the occlusions last less than 2 seconds.

AI-SECURITY3 is the bundle composed by AI-Intrusion-PRO, AI-Lost and AI-Loitering
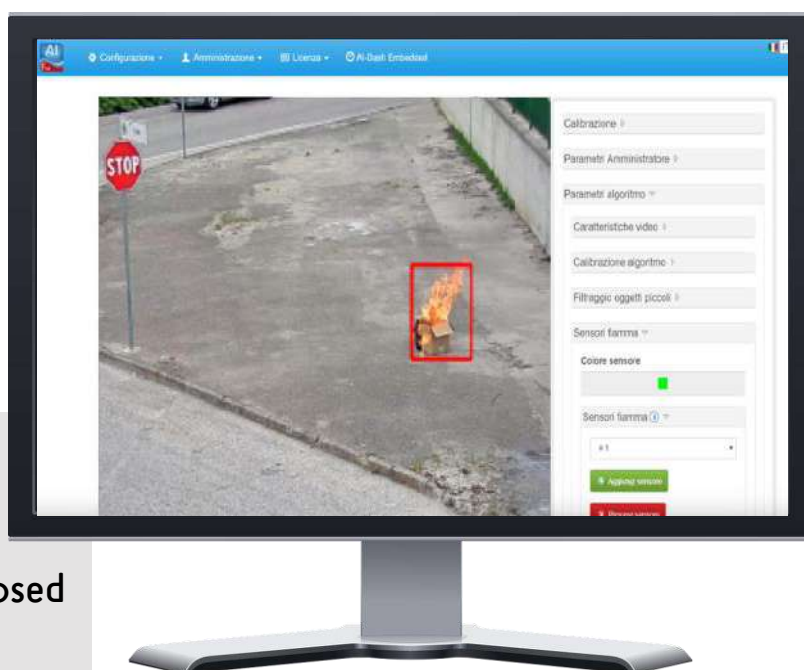
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AI-FIRE

🔥 Fire detection

AI-Fire is the video analytic plugin for the detection of flames in indoors environments, as well as in urban forests and parks.

AI-SMOKE

🔥 Smoke Detection

AI-Smoke is the video analytic plugin for the detection of smoke in indoors environments, as well as in urban forests and parks.

AI-Fire+ is the bundle composed by AI-Fire and AI-Smoke

AI-Fire and AI-Smoke can be used to ensure the safety of the environments, through the early detection and localization of flames; the citizen safety, through the detection of the flame outdoors, for instance on vehicles and containers, or indoor, for instance in shops and homes; video surveillance of critical areas such as tunnels, gas stations, airports and train stations, through the identification of accidental fire or arson. Note: both AI-Fire and AI-Smoke require that the color of the flame/smoke is visible (no night mode or thermal camera).

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Why A.I. TECH Plugins?

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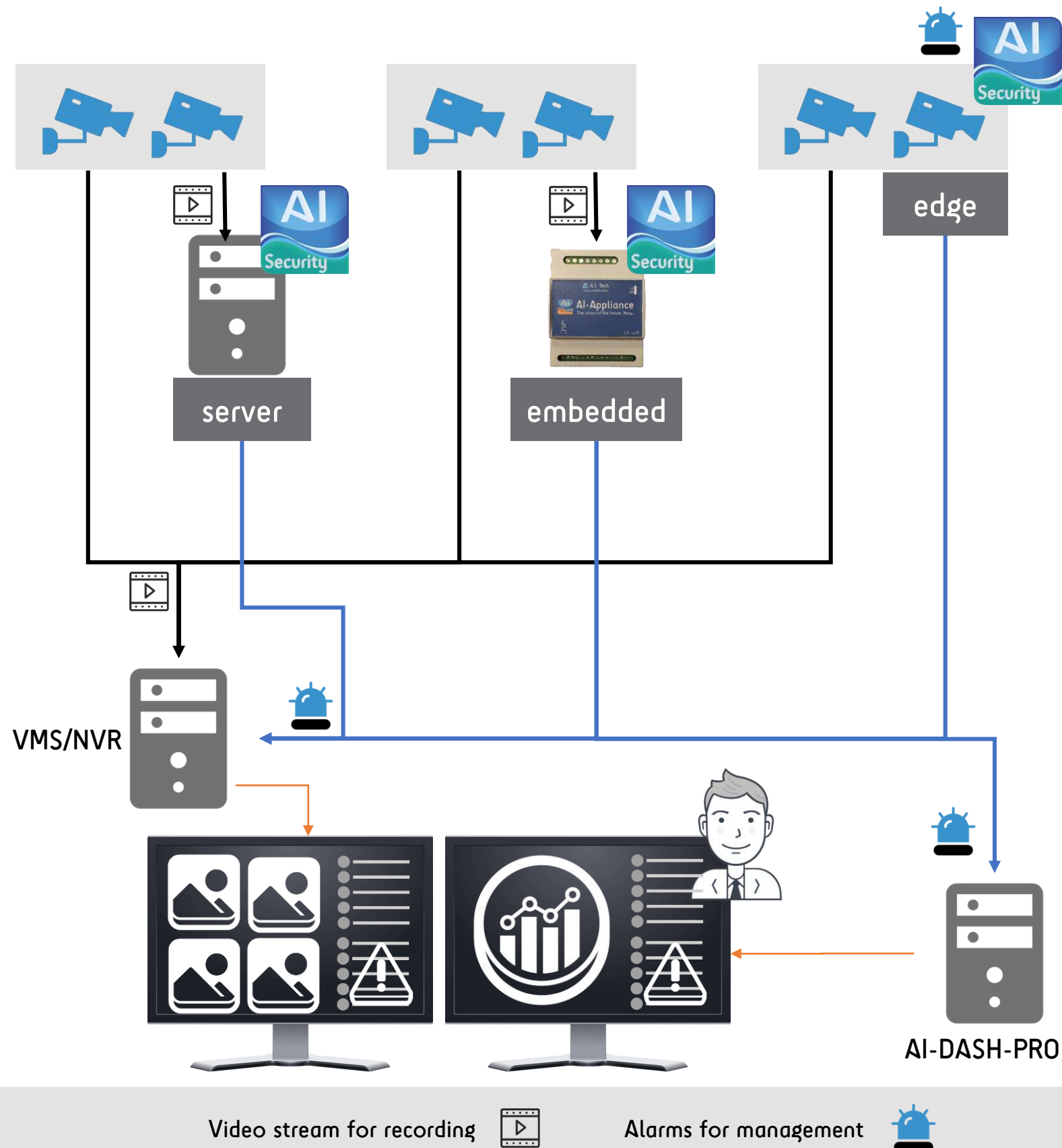- Third part VMSs (Arteco, Milestone Xprotect, Wisenet Wave, Wisenet SSM, Avigilon)
- NVR Hanwha Techwin
- Text string over TCP-UDP protocols (POS-like)
- E-Mail/FTP
- Digital Output of the camera (with edge side version)
- AI-Dash-embedded / AI-Dash-PRO
- Other third part systems (HTTP+json)
- Customizable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

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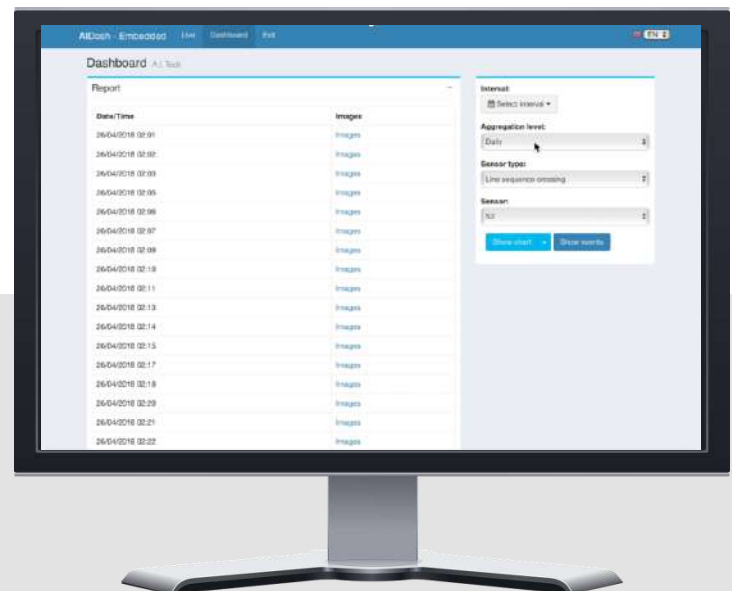The Vision of the future. Now.

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)

edge

server

embedded

VMS/NVR

AI-DASH-PRO

Video stream for recording   Alarms for management

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AI-DASH-Embedded

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.

edge

You could be also interested in:

AI-APPLIANCE

AI-DASH-PRO

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AWARDS

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FINALIST

CIOApplications europe TOP 25
ARTIFICIAL INTELLIGENCE
SOLUTION PROVIDERS - 2017

THE **10** MOST
Innovative
ARTIFICIAL INTELLIGENCE
SOLUTION PROVIDERS
2018