DEEP VISION

The new products line based on the most advanced Deep Learning Algorithms













A.I. Tech technology has been selected as the winner of the Business Intelligence category in the Benchmark Innovation Award 2018 and among the finalists in 2019. The awards are designed to recognize and reward innovative thinking and the delivery of benefits through advanced security solutions.



Detection of faces (masked and not masked)

AI-FACEDETECT-DEEP









Gender recognition and age estimation









AI-BIO-DEEP

Estimation of the number of persons in a crowded area

AI-CROWD-DEEP





Flame Detection









AI-FIRE-DEEP

Smoke Detection

AI-SMOKE-DEEP











Smart Parking









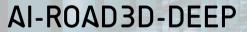
Anomaly detection on the road





AI-INCIDENT-DEEP

Statistical data analysis on the road







Fall Detection



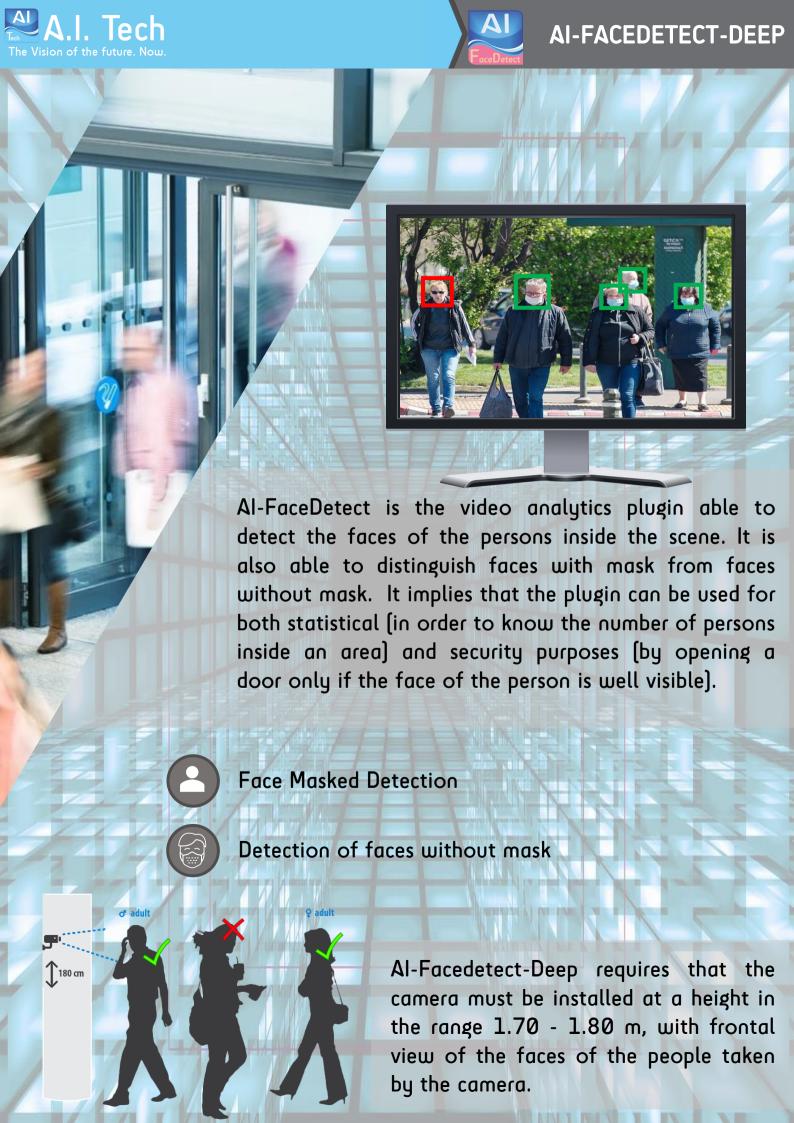






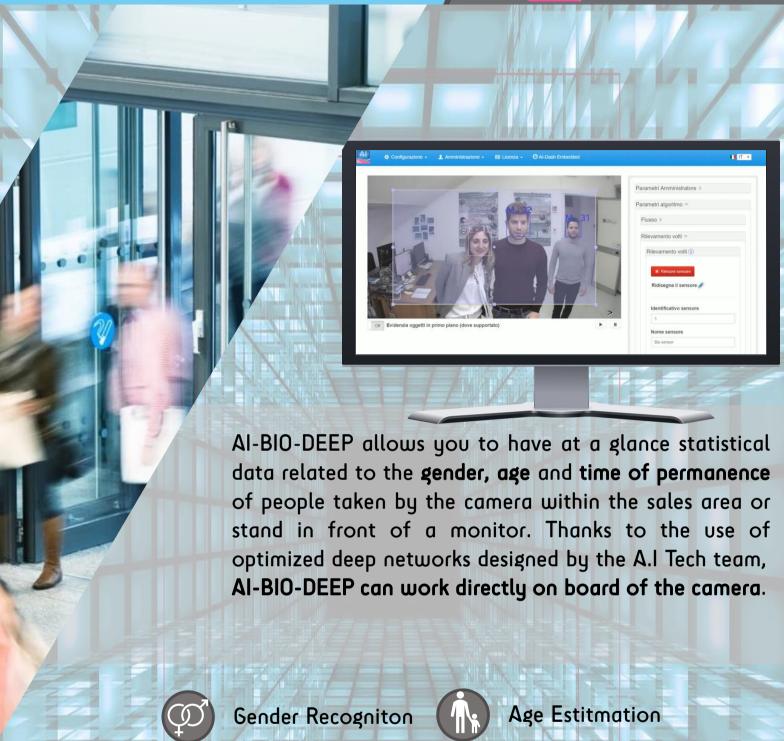
AI-SPILL-DEEP

DESCRIPTION OF THE RESERVE







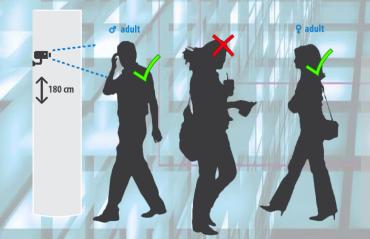








Permanence time evaluation

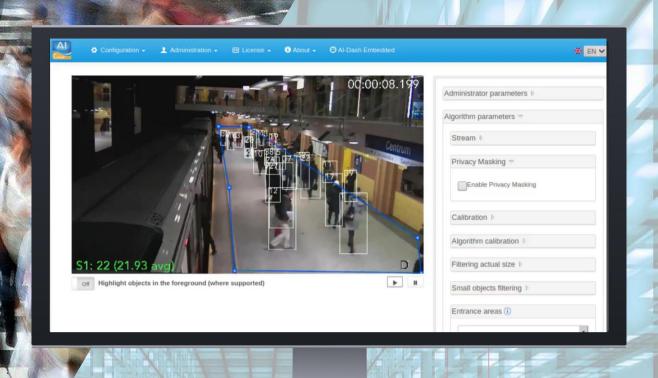


Al-Bio requires that the camera must be installed at a height in the range 1.70 -1.80 m, with frontal view of the faces of the people framed by the camera.

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AI-CROWD-DEEP is the video analysis plugin that, thanks to the employing of advanced deep neural networks, allows to estimate the number of people inside an area, even in presence of a huge amount of persons or with a slight movement of the camera, and to raise an alarm in case there are to many persons inside the area.

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Crowd estimation

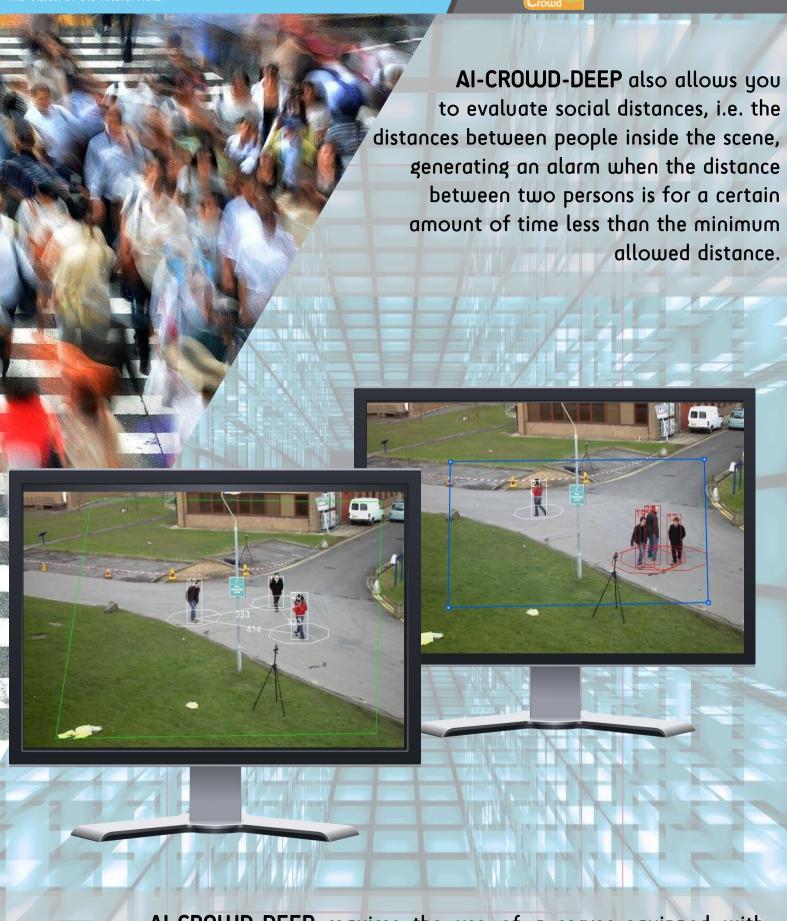


Overcrowd estimation



Social Distances analysis

AI-CROWD-DEEP can be used in both **indoor** (in retail and business intelligence applications) and **outdoor** environments (for transportation and smart city).



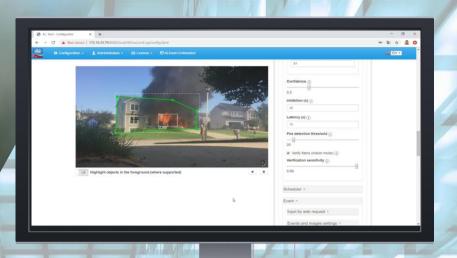


AI-CROWD-DEEP requires the use of a server equipped with GPU, in case a strict real time is required. Otherwise, a CPU-only server will be enough.

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AI-FIRE-DEEP is the video analytics plugin for the detection of flames



AI-SMOKE-DEEP

AI-SMOKE-DEEP is the video analytic plugin for the detection of smoke



Fire Detection



Smoke Detection

AI-FIRE-DEEP e AI-SMOKE-DEEP can be used to ensure the safety of the environments, through the early detection and localization of smoke and flames; for city safety, through the signaling of fires or outbreaks of fire in outdoor environments, for example on bins and vehicles; for video surveillance of critical areas such as petrol stations, airport runways and railway tracks, through the reporting of accidental or malicious fires.

Note: both AI-FIRE-DEEP and AI-SMOKE-DEEP require that the color of the flame/smoke is visible (no night mode or thermal camera).









AI-PARKING is able to work directly on board of the camera!

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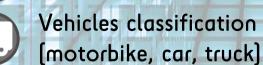




AI-ROAD3D-DEEP is the video analytics solution for traffic monitoring, the smart roads and the smart cities. Thanks to advanced algorithms based on the use of deep neural networks, AI-ROAD3D-DEEP can be used to extract statistical information relating to the crowding of vehicles on the road.



Vehicle counting





Avg Speed



Vehicle colour



Traffic Density

MAKEY PROPERTY WE HAVE



High Speed



AI-ROAD3D-DEEP requires the use of a server with 6PU



AI-INCIDENT-DEEP is the video analytics solution for traffic monitoring, the smart roads and the smart cities. Thanks to advanced algorithms based on the use of deep neural networks, AI-INCIDENT-DEEP can be used to extract alarmist information relating to the crowding of vehicles on the road.



Pedestrian detection



Stopped Vehicle



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Congestion detection



Wrong-way Vehicle

MAKEY PRICES WE IN

AI-INCIDENT-DEEP e AI-ROAD3D-DEEP are available integrated together in the bundle AI-TRAFFIC-DEEP





AI-INCIDENT-DEEP requires the use of a server with GPU



AI-SPILL can be used in the hospitals or in the care homes, in order to detect the falling of the patients; in private homes inhabited by elderly or disabled persons, in order to allow immediate intervention by family members; in the schools, for student protection, and for detecting falls in corridors and unattended environments. In general, its use is extremely useful in any public or private environment, where it is necessary to protect people, detecting the falls in real time and alerting the staff responsible for immediate rescue.

INDICATE PROPERTY WITH MANY



The Vision of the future. Now.



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AWARDS







A.I. Tech

2020 Award Winner

Most Innovative in Video Analytics