www.aitech.vision

AI-CROWD-DEEP

Pedestrian flows monitoring

A.I. Tech
The Vision of the future. Now.

AI-CROWD-DEEP

AI-CROWD-DEEP allows to estimate the number of people present within an area; this is done by using the most advanced vision and artificial intelligence algorithms, combined with a deep neural network capable of detecting people within the scene. It can also generate an alarm in case of overcrowding situations (i.e. the number of people in an area is above a certain threshold), in case of gatherings or when the social distance between people is not respected. **AI-CROWD-DEEP** can be used both indoors and outdoors, and guarantees accuracy and recall of more than 90%.

USE CASE

Where can we use AI-CROWD-DEEP?

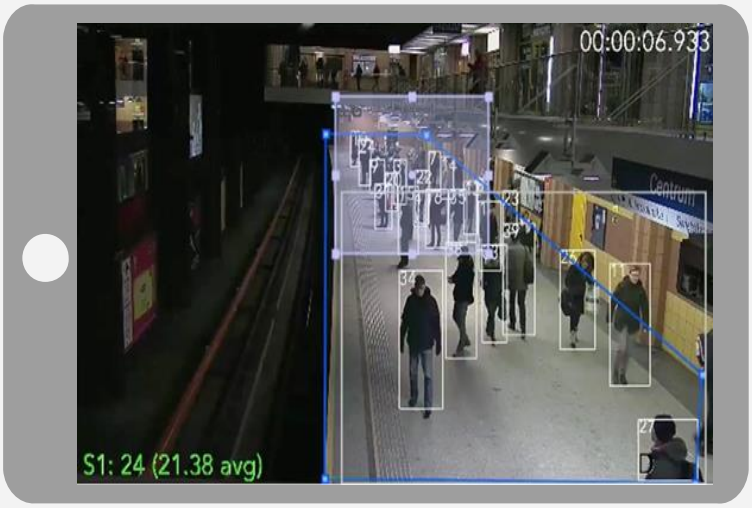
AI-CROWD-DEEP is the video analytics solution designed to meet a variety of needs that may arise in buildings, museums, restaurants, shops, shopping malls, airports, train stations or in various areas of the city.

AI-CROWD-DEEP is the key tool for marketers to understand how visitors move around their sales area, determining the most crowded and the least crowded areas. At the same time, it is the ideal tool to perform checkout management, as it can be used to minimise waiting time in queues and thus improve the customer experience: for example, it is possible to detect the number of people waiting to make a payment and alert staff to open a new checkout, or to perform the automatic single checkout management mechanism.

AI-CROWD-DEEP is also the tool needed to monitor crowds on platforms in train stations or at gates in airports, in order to automatically detect crowds and advise people to observe social distances.

Thanks to the possibility of operating reliably in both indoor and outdoor environments, including in combination with existing surveillance cameras as well as with new generation cameras, **AI-CROWD-DEEP** is also a must-have tool for the smart management of a city, for which on one hand it is necessary to know how citizens move around the city, and on the other to provide citizens with a tool to support them in ensuring that they meet social distancing regulations.

AI-CROWD-DEEP



ARCHITECTURE

Where can we install the app?

Edge

Embedded

Server

The detailed list of specific compatible platforms can be reached via the link on the right.

INTEGRATION

Where can we notify the events generated by the app?

Events can be sent to external servers using over 20 different mechanisms, which include third-party VMSs, standard protocols (such as HTTP, FTP, MODBUS and MQTT) and also A.I. Tech proprietary protocols, which allow the notification of events to the dashboards of A.I. Tech. More information via the link on the right.