

AI-Appliance

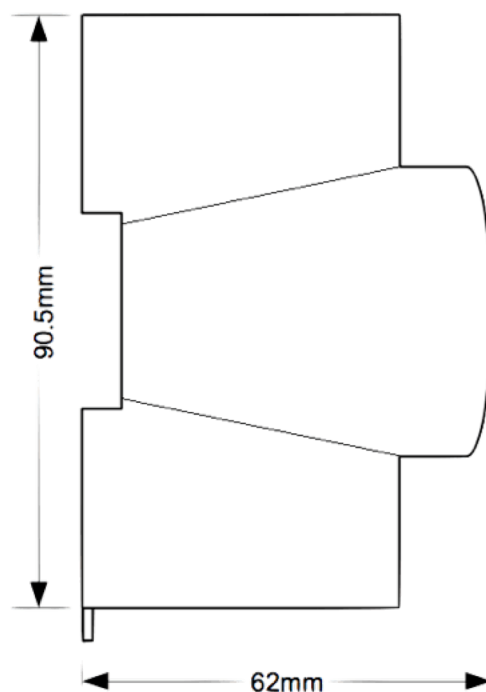
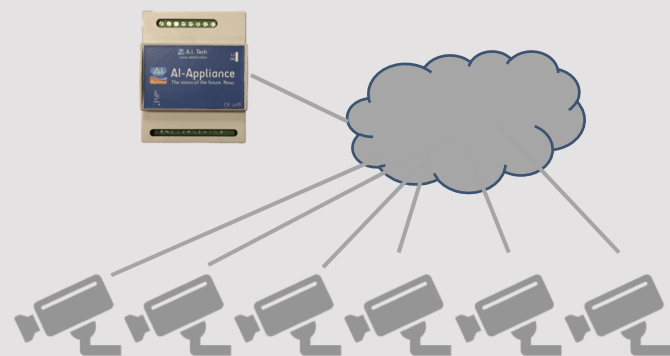
A.I. Tech Video Analytics in the box



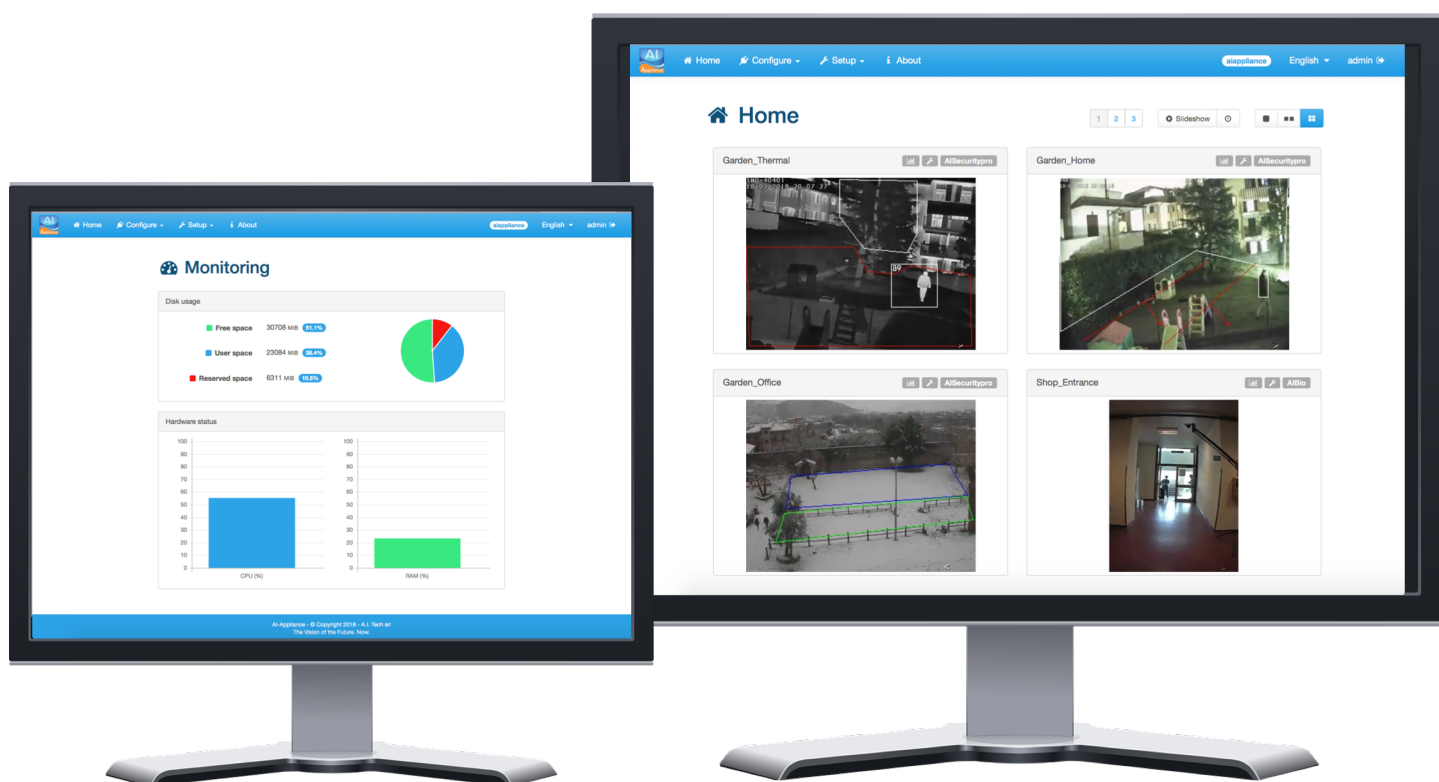
AI-Appliance is the plug and play embedded solution powered by A.I. Tech, provided as an integrated hw+sw solution; all the video analytics sw is already pre-installed in the box, provided with a 4-modules wide DIN case [71x62x90mm].

IP and ANALOGUE cameras

AI-Appliance allows to manage both **IP** and **analogue** installations [through DVRs]; up to 6 video analytics plugins can simultaneously run [with 1 CIF resolution images].



Dimensions	4-modules wide DIN case [71x62x90mm]
Power Supply	The power supply stage is a heavily protected and filtered circuit, using oversized electrolytic capacitors, diodes and inductors, and a high efficiency, high power voltage regulator, capable of delivering up to 2.5A at the 5V power supply input. AI-Appliance accepts a wide power supply range, from 9 to 28 Vdc.
Real Time Clock	AI-Appliance is provided with a real time clock/calendar. The automatic switch-over to a lithium battery guarantees the functionality of the RTC when its main power supply fails.



Compliance

AI-Appliance is compliant with the 2014/35/UE [Low Voltage] and 2014/30/UE [EMC] CE directives, and the harmonised standards for electromagnetic compatibility [EN61000-6-2:2005], electrical safety [EN60664-1:2007], emission [EN61000-6-3:2007] as well as the RoHS directive for hazardous substances [2011/65/UE]. It is also compliant with part 15 of the FCC rules [Class A], ICES-003 [A] and CISPR 32:2015 [Class A] standards.

- Dynamic activation of the plugins by temporal scheduler or by external input signals
- Activation of outputs based on events [4 Relays, 7 digital pins that can be activated by video analysis events and that can be configured as input or as output]

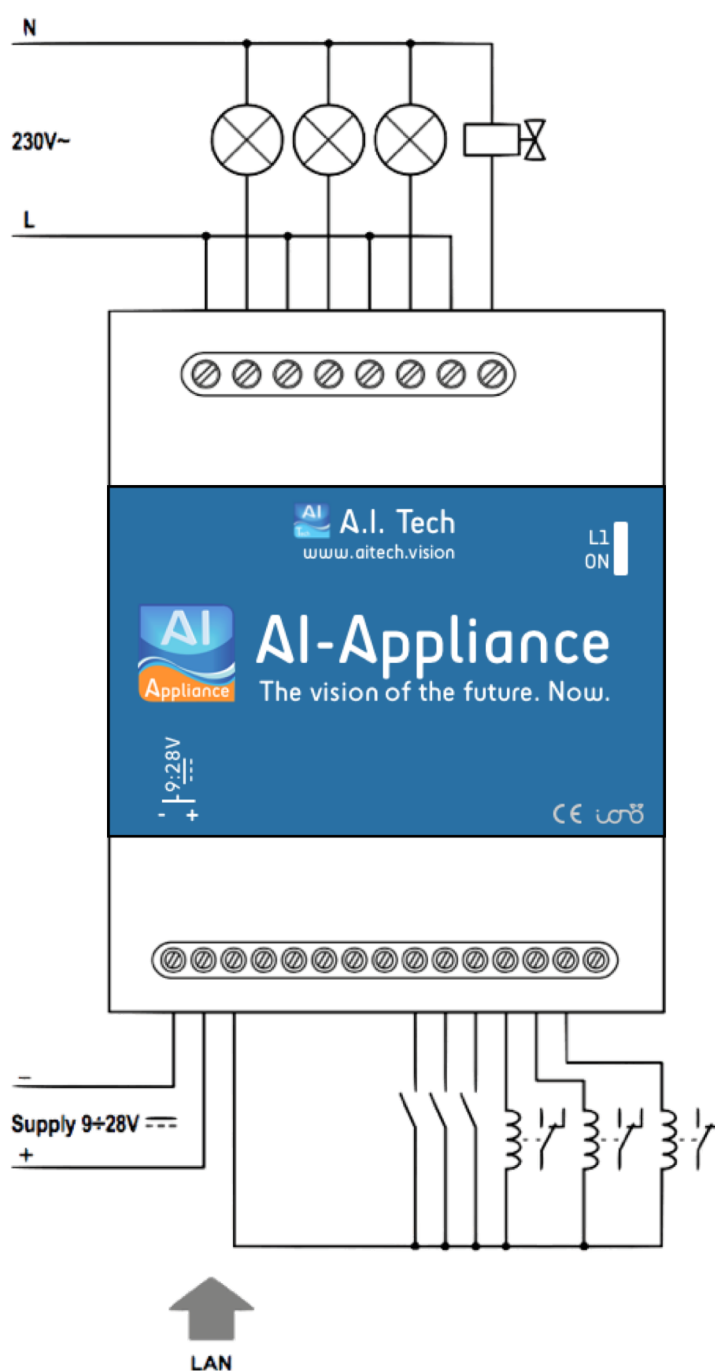


Relays

4 power relay outputs with normally open contacts, rated for 6A at 250V, which can tolerate peak currents [inrush current] up to 15A.

Digital Pins

7 pins that can be configured as input or as output. Three of the pins are connected to discrete open collector drivers with a maximum output current of 100mA. These outputs are individually protected against over-current and short circuits. Up to 4 terminal pins can be used as bidirectional TTL I/O lines [0-5V].



Security



Loitering detection



Smoke detection



Abandoned/removed objects detection



Flame detection



Entering in forbidden areas detection



Crossing lines detection



Fall detection



Face detection



Speed changes detection



Anomaly detection close to the ATM

Banking Security



Gender and age estimation



Heatmap



People counting



Density evaluation



Queue Management



Digital Signage

Retail



Crowd Estimation



Gathering detection



Vehicles in the wrong way



Vehicles counting and classification

Smart City





A.I. Tech

The Vision of the future. Now.



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AWARDS



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 ^{most} *Innovative* ^{ia}
10 ARTIFICIAL
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