



DAHUA & CIAS

Joint Value Proposition

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About CIAS

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CIAS is an Italian manufacturer of evolved Perimeter Intrusion Detection Systems with Fuzzy Logic analysis: volumetric and linear microwave barriers, radars, infrared and triple technology barriers, MEMS fence-protection systems and AI multi-sensor system Synapses.

Worldwide installed for protection of Oil&Gas sites, NPP, prisons, military headquarters, major airports, critical infrastructures and utilities, banks, large factories, also used for shopping malls and villas, CIAS solutions are full IP.



CIAS Perimeter Protection Solution



Perimeter protection is an important asset for industrial, commercial, public or private residential sites. The security market offers today a complete range of reliable and intelligent perimeter protection systems, both for indoor and outdoor security needs, enhancing the best technologies in Microwave, Infrared and Doppler sensors in order to ensure total protection of sensible sites. Thanks to the sensibility levels these systems have achieved, along with newest intelligent warning signal analysis systems they work with, perimeter protection systems assure total security of buildings in all kind of sites, from high security areas like military and nuclear plants to industrial, commercial and residential needs. Whatever your needs are, find with CIAS the smartest, economical, easy installing and managing solution your security protection deserves.

Dahua & CIAS

Tackling outdoor perimeter protection is a challenge due to extreme light variations such as overnight or when the sun is low and directed toward the camera viewing it. Or when there are substantial temperature variations, rain, fog, condensation in very humid areas, shadows produced by rapidly moving clouds, and sudden lights from car headlights. The challenge that a camera with video analysis must overcome due to the physical limitations that the application in an external environment presents, without forgetting the possibility of being “blinded” artificially, is obtaining a high Probability of Detection (PoD) with a very low probability of generating False Alarms (FAR). Only deep integration between the best sensors and the best video analysis systems can, right now, give comprehensive answers to the request for security where the task is more difficult, but the needs are greater, i.e. in external perimeter protection. Integration with CIAS PIDS solves the challenge.

Interoperability

Supported CIAS Products

- ERMO482X3pro
- Micro-Ray
- Manta
- Coral Plus
- Pythagoras
- Murena Compact+ radar
- Sioux MemsPro2
- Apache Fiber
- Blackfeet cable Plus

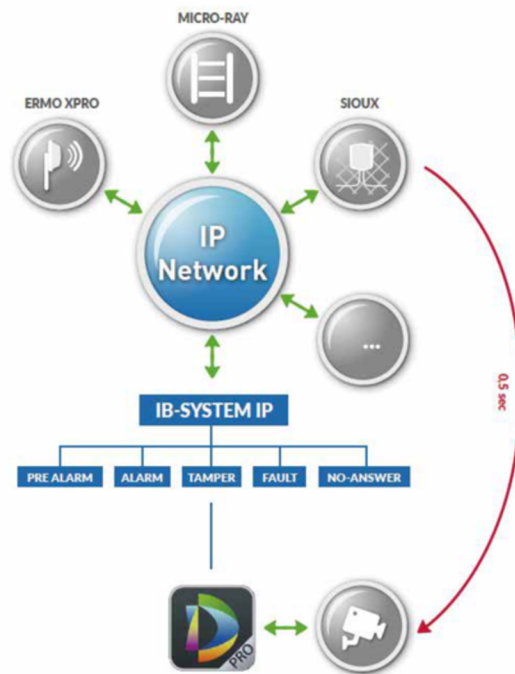
Supported Dahua Products

- DSS PRO



Features

The integration of protocol via IB-System IP allows the collection, polling and transfer of pre-alarm, alarm, failure, tamper, no-answer status of Cias digital devices into DSS platform. (Please refer to the below pictures)



User Benefits

The dynamic and one-to-one interactivity between video analysis and sensors perimeter sensors create an intelligent 360° analysis capability of the perimeters using all the "senses" available on the system as if it were a single "super sensor". The result is a punctual video verification combined with field sensors, which provides the user with a certified intrusion event, guaranteeing degrees of security very high.

How it works

The collection of alarm status reaches up to 1.280 different sensors with a maximum time of ½ sec., to have immediate video verification of the alarm status generated by CIAS sensors: pre-alarm, alarm, tamper, fault, no-answer. Based on those status, eg. pre-alarm, the camera can be moved via a preset to "observe" what's happening on the field.

Smarter Together

The result of the integration among Cias' digital sensors and Dahua Systems is an enhancement of detection rate along with a higher discrimination of false alarms. The synergy between PIDS & Video-Analysis is a new winning concept in the intrusion detection sector, because it solves the limits of Video-Analysis only, which is weather sensitive and cannot properly detect objects in motion with rain, fog, sun and other conditions, at the same time it solves the limits of perimeter barriers which cannot "see" what they detect. Reversing those limits into advantages, the synergy interconnects "vision" to "perfect detection" under any conditions, dramatically lowering the false alarms rate and optimizing high security of any infrastructures, facilities, or buildings' perimeter.

Key Industries



Energy



Utilities



Residential

Media Link



CIAS LKD PAGE:

<https://www.linkedin.com/company/cias-elettronica-s-r-l-/mycompany/>

CIAS video all on YOU-TUBE PAGE: <https://www.youtube.com/user/Ciasvideogallery>

www.smarter2gether.com

Ver. 1, Jun. 2023



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