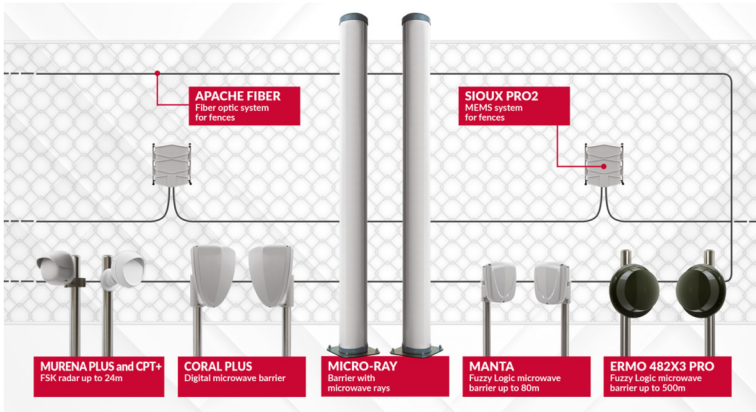
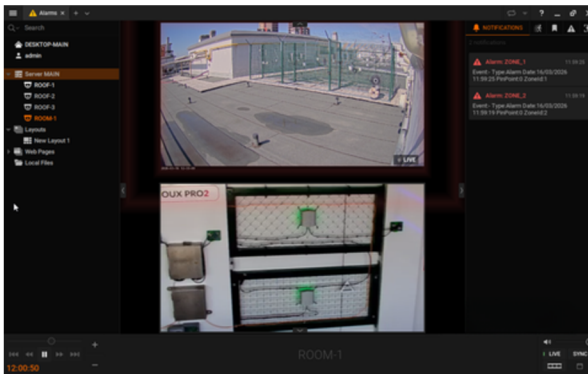


# INTEGRATION



The most difficult challenge for security systems, in government, defense and commercial environments, is to ensure their operation even in extreme weather conditions such as: sudden light changes, rain, fog, wet areas, and temperature variations. The goal is to achieve a high probability of detection while reducing the number of false alarms generated. This led to the need to create **integrations** between **CIAS** products and **Hanwha** systems that can **optimize the level of security provided**.



## WHO IS HANWHA?

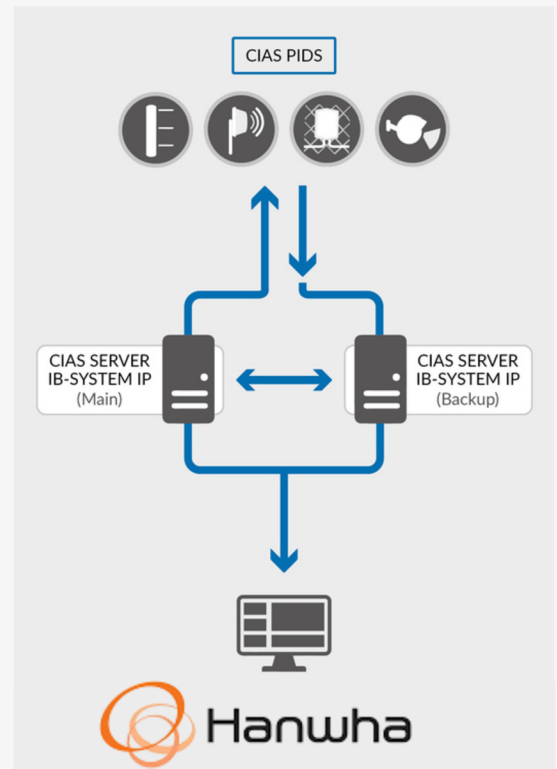
Hanwha Vision is part of the Hanwha Group, a South Korean multinational operating globally in the energy, aerospace, and advanced technology sectors, and specializing in the design and delivery of professional video surveillance and integrated security solutions.

The company develops video management systems, high-performance IP cameras, and AI-based intelligent video analytics for perimeter security and the protection of critical infrastructures. Hanwha solutions are designed in compliance with international cybersecurity and data protection standards, ensuring integration with third-party systems and high scalability.

Visit [hanwha.com](http://hanwha.com) for more information.

## FEATURES

Integration of the CIAS protocol is done through the collection and polling system IB-System IP, which, by dialoguing with the external field where the sensors are located, is able to transfer all pre-alarm, alarm, fault, tamper, and non-response states into the Hanwha platform.



## COMPATIBILITY

### CIAS

Ermo 482X3pro  
Micro-Ray  
Murena Plus  
Sioux MemsPro2

Satellite-110  
Satellite-81N

### Hanwha

Wisenet Wave VMS

## HOW DOES INTEGRATION WORK?

When an intrusion attempt is detected by CIAS sensors deployed on the perimeter to be protected, an information mechanism is immediately activated. Specifically, IB-System IP will collect all information from the field, process the message and communicate it to Hanwha' VIGILIS V11 platform located in the control center. The received signal, based on previously programmed presets or intervention logic, will direct the view of one or more cameras at the event location in order to video-confirm the presence of the intruder and trigger a video recording.

This integration makes it possible to speed up the interpretation and classification of the alarm event and achieve effective site protection even in adverse weather conditions.



## WHAT IS IB-SYSTEM IP?

IB-System IP is CIAS's software system of event collection from field sensors. Collection is via Ethernet connection over TCP/IP protocol or via RS485 network and CIAS IP converter. The system can handle up to 1280 sensors with a latency time never exceeding 500mSec. The application handles a number of Cyber Security layers essential in perimeter protections of critical infrastructure such as: AES128 encrypted communication, MAC Signature and IEEE 802.1X Security.

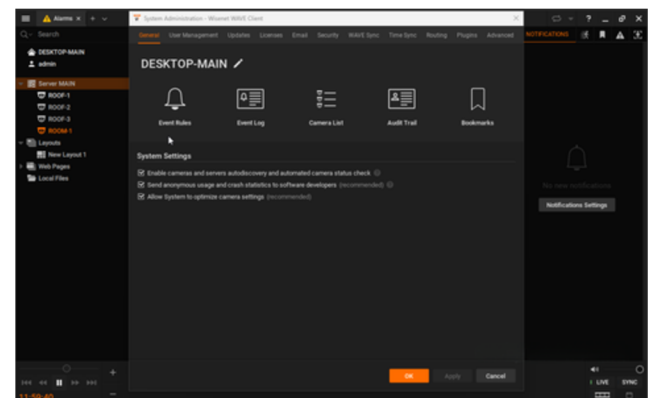
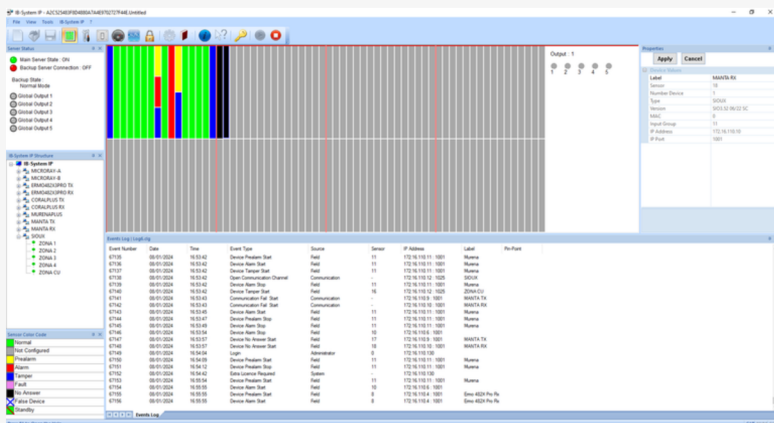
IB-System IP allows connection to VIGILIS V11, through the "Hanwha" plugin specially prepared by CIAS.

This protocol is designed to manage from a single output all the sensors in the complete system.

## CONFIGURATION

In IB-SYSTEM IP the plug-in is activated automatically through the license in the hardware key upon purchase of the specific PLUG-IN-Hanwha license. In Hanwha the plug-in is activated by a dedicated license called Hanwha VIGILIS.

If the plug-in is present, IB-SYSTEM IP shows the "Hanwha" page in the OPTIONS panel. Having completed all the fields and configured the VIGILIS V11 system generated by IB-SYSTEM IP, you can then configure the management of ALARMS in VIGILIS V11 so that each event generated is matched with an ALARM and creating ACTIONS referring to the CUSTOMER EVENTS created above.



## HOT BACK-UP SYSTEM

In case the main server goes down, the presence of the backup server ensures the continuity of alarm management.