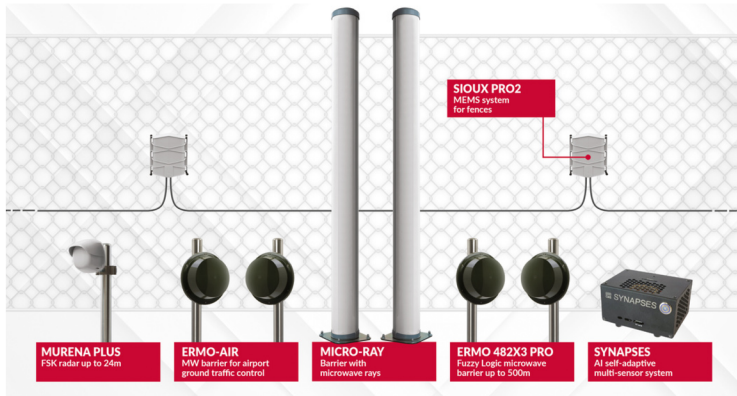




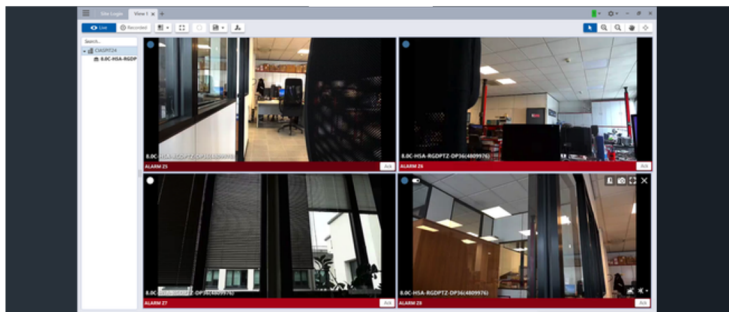
# INTEGRATION

# AVIGILON™



Extreme weather conditions such as fog, rain, humidity, temperature variations and sudden light changes pose the biggest challenges to video surveillance systems. Regardless of the presence of video analytics, Day/ Night or thermal, the goal is to ensure the surveillance system achieves the highest probability of detection with the lowest number of false alarms possible.

The integration partnership between the CIAS and AVIGILON UNITY VIDEO platforms optimize the level of security provided to meet these challenges.



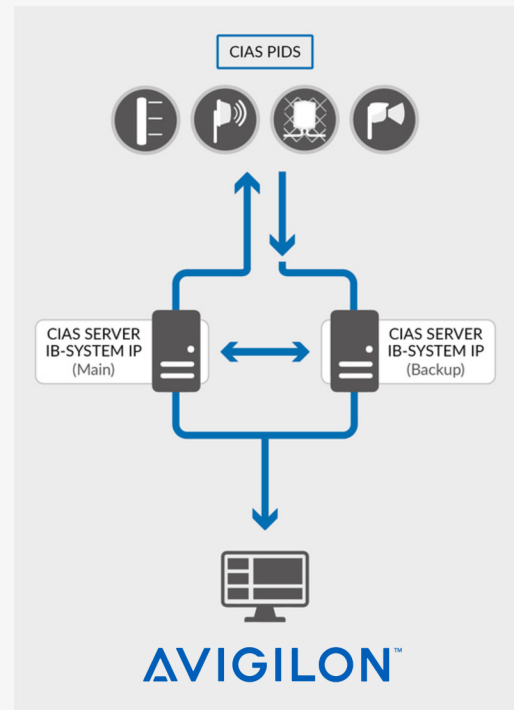
## WHO IS AVIGILON?

Avigilon Unity, a member of Motorola Solutions group, is a global leader in security solutions, offering a comprehensive range of video security, access control, and AI analytics. Their systems are designed for scalability and flexibility, and suitable for diverse industries like education, healthcare, and government. Avigilon's innovative technology enables efficient management from anywhere through real-time alerts and AI-enhanced search functionalities, ensuring rapid response and enhanced situational awareness for over 100,000 organizations worldwide.

See [www.avigilon.com](http://www.avigilon.com) for more information

## FEATURES

Integration of the CIAS protocol is done through the IB-System IP collection and polling system, which communicates with the external field where sensors are located, and transfers all pre-alarm, alarm, fault, tamper, and non-response states into the Avigilon Unity Video platform.



## COMPATIBILITY

### CIAS

- Ermo 482X3pro
- Micro-Ray
- Murena Plus
- Sioux MemsPro2

### AVIGILON

- Avigilon Control Center (V.7.14.16.12)
- Avigilon Unity Video 8



### HOW DOES INTEGRATION WORK?

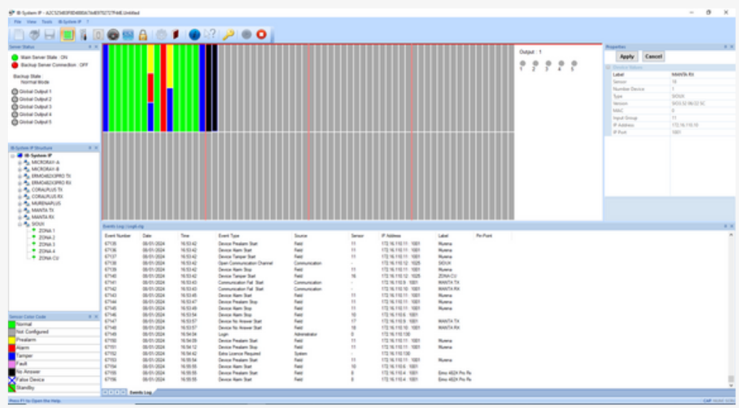
When an intrusion attempt is detected by CIAS sensors deployed on the perimeter, a response and interaction alert is immediately activated. Specifically, IB-System IP will collect all information from the field, process the message and communicate it to the Avigilon Unity platform located in the control center.

The received signal, based on presets or previously programmed intervention logic, will direct one or more cameras to the event to confirm the presence of the intruder and trigger a video recording. This integration enables rapid interpretation and classification of the alarm event and to achieve effective site protection - even in the most adverse weather conditions.

### WHAT IS IB-SYSTEM IP?

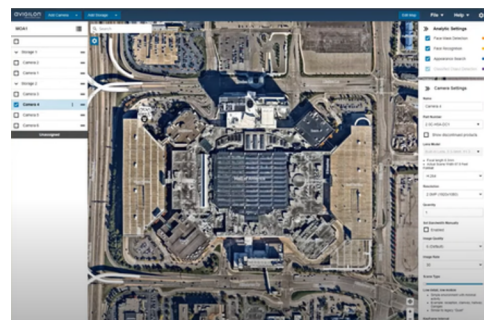
IB-System IP is CIAS's software system for capturing a full range of alarm states. Collection is via Ethernet connection over TCP/IP protocol or via RS485 network and CIAS IP converter. The system can handle up to 1280 sensors with a latency time never over 500mSec. The application handles a number of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

IB-System IP allows connection to Avigilon's Unity Video Management Systems, through the "AVIGILON-PLUGIN" specially designed by CIAS. This protocol can manage all sensors in the system from a single output.



### INTEGRATION REQUIREMENTS

- License Requirements: "PLUGIN-AVIGILON UNITY"
- Supported Avigilon Unity Versions and Editions: Avigilon Unity Video 7.14.16.12
- Any Other Required Hardware/Devices: CIAS sensors (Ermo 482X3pro, Micro-Ray, Murena Plus, Sioux MemsPro2)
- Minimum System Requirements: Install IB-System IP over a physical server not over a virtual machine
- Operating System version: Windows XP SP3; Windows 7 SP1; Windows 8, 10, 11; Windows Server
- 2012; 2016; 2019; 2022
- Processor: Processor 2.4 GHz; 2 GB RAM
- Network Interface: NET.FRAMEWORK 3.5; 1x 10/100/1000 Mbps network card
- Available Hard Disk: 2500 MB free space on hard disk



### CONFIGURATION

In IB-SYSTEM IP the plug-in is automatically activated through the license in the hardware key provided (upon purchase of the specific AVIGILON-PLUGIN license).

If the plug-in is present, IB-SYSTEM IP shows the "CIAS02" label in the Output Configuration panel. Once all fields are set up for all the Events you can then proceed to configure the alarms in AVIGILON Unity Control Center.



### HOT BACK-UP OF SYSTEM

In the unlikely event of the main server going down, a backup server ensures the continuity of alarm management.

