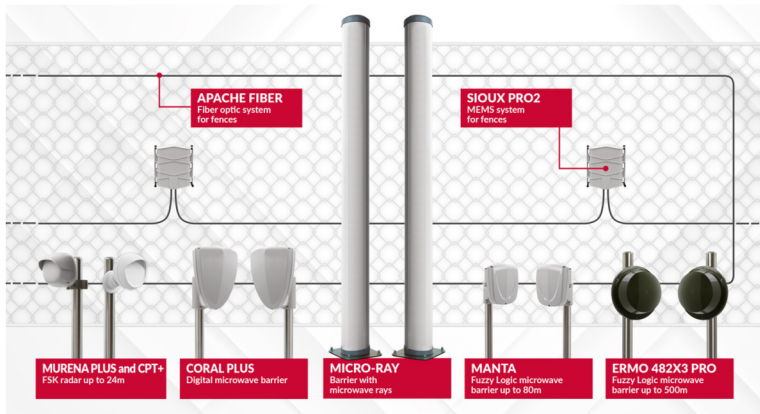
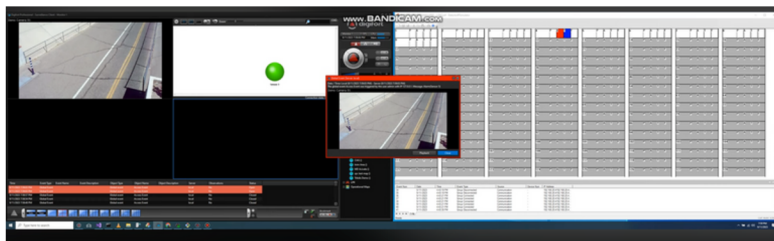


# INTEGRATION



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 **Digifort** systems that can **optimize** the **level of security provided**.



## WHO IS DIGIFORT?

Digifort is a Brazilian international technology company specializing in the development of advanced video surveillance and intelligent monitoring software. The Digifort platform is used worldwide and supports integration with thousands of camera and device models.

The company develops scalable video management systems and AI-based video analytics for perimeter security, event detection, and real-time monitoring of small and large sites.

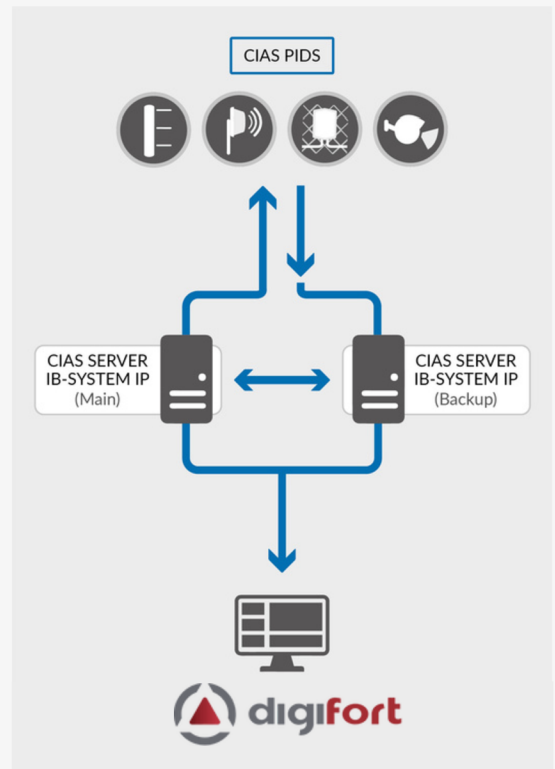
Digifort solutions are designed to ensure reliability, flexibility, and broad compatibility with third-party systems.

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

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

## FEATURES

Integration of the CIAS03 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 Digifort platform.



## COMPATIBILITY

### CIAS

Ermo 482X3pro  
Micro-Ray  
Murena Plus  
Murena CPT+

Sioux MemsPro2  
CoralPlus  
Manta  
Satellite-110  
Satellite-8IN

### DIGIFORT

Digifort Smart Connect 0.9.9

## 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 Digifort' Digifort Smart Connect 0.9.9 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.

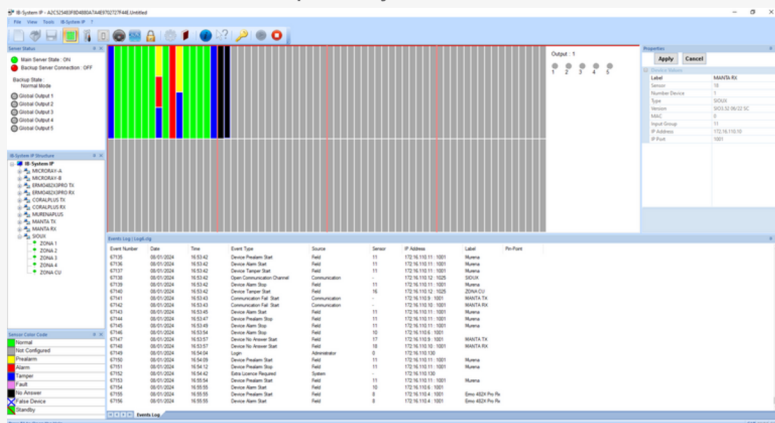


## WHAT IS IB-SYSTEM IP?

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 Digifort Smart Connect 0.9.9, through the "Digifort" 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 PLUGIN-Digifort license. In Digifort the plug-in is activated by a dedicated license called Digifort Digifort Smart Connect 0.9.9.

If the plugin is present, IB-system IP displays the option to select 'Digifort' from the plugins available for outputs in the global outputs panel. Once the output has been configured by setting the IP address of the Digifort server and the communication port configured to receive events generated by IB-system IP, you can then configure the management of ALARMS in Digifort Smart Connect 0.9.9 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.