

CoreCommand™ SAS

When Situational Awareness Matters

CoreCommand is a best-of-breed Situational Awareness System (SAS) designed to integrate sensors from various manufacturers, enabling the optimal combination of Perimeter Intrusion Detection Systems (PIDS) for specific tasks. By leveraging best-in-class sensors—each selected for its specialized capabilities—CoreCommand enhances perimeter security with high detection accuracy and minimal false alarms. The platform seamlessly combines radar and imaging sensors with advanced AI-driven image analysis to safeguard against intrusions across land, water, and airspace.

Sensor-agnostic

CoreCommand is a sensor-agnostic situational awareness platform that seamlessly integrates diverse sensor technologies, including radar, PTZ cameras, and geodata from AIS, ADS-B, and GPS transponders. Integration is further enhanced with advanced AI classifiers like Ultinuous U-alarm and Walaris AirScout Verify.

By fusing and analyzing real-time, georeferenced data, CoreCommand provides a comprehensive operational view and automates responses, enabling security operators to efficiently manage and respond to security events.

Usability and Efficiency

Usability is at the core of the CoreCommand SAS, where an intuitive interface simplifies the monitoring and management of events. This design philosophy ensures that security operators can work with high operational efficiency.

Scalability and Performance

With an architecture designed for flexibility, CoreCommand can easily scale to meet the needs of everything from individual sites to extensive regional and national systems. This scalability ensures optimal performance and the ability to adapt to changing security requirements over time.

Open Architecture for Versatile Integration

The open architecture of CoreCommand facilitates seamless integration with a wide range of third-party sensors, software, and systems.

This enables users to expand their security ecosystem with additional data sources for even more comprehensive perimeter protection.

Advanced Configuration Options

CoreCommand's flexible rule engine lets administrators customize event combinations, enhancing automation and efficiency in security management. To support mission focus and seamless operation in critical situations, CoreCommand enables the setup and grouping of EO/IR resources for primary and secondary tasks. For example, one camera can track classified targets, while another classifies them.

Alt: 125m
Az: 278
Sp: 48km/h
RCS: 0,8

Integration with VMS and PSIM

To further broaden its functionality, the software supports RTSP streaming and alarm events via LAN. This enables easy integration with both VMS/PSIM systems, making CoreCommand virtually VMS/PSIM-independent.

By combining these features, CoreCommand offers a powerful and customizable solution for security monitoring and management, optimized to meet the security challenges of today and tomorrow.

Support for 3rd Party Products:

- Radar manufacturers: Echodyne, Flir, Axis, Generic Input Data
- PTZ cameras: ONVIF + Smooth Cueing for Axis, Bosch
- AI analysis: Ultinuous U-alarm, Walaris Airscout verify
- Android as GPS tracker (Blue Force Tracker)
- Milestone XProtect (Genetec RSA Q1-24)

Applications:

- Airport security and airspace surveillance
- Port and maritime monitoring
- Protection of critical infrastructure
- Event security and crowd management
- Border and area protection
- C-UAS-missions (unmanned aerial systems)
- Facilities for public services and corrections

Technical Specifications:

- Programming language: C#
- Docker-compatible architecture
- Map support: Mapbox, OpenStreetMap
- Compatibility: all HTML5 browsers
- Installed on a Linux server
- Event-based framework built on RabbitMQ
- Map-GUI recording: RTSP, 1080P 3fps
- VMS/PSIM Integration: HTML5, RTSP
- Advanced Rule Engine: combine multiple events
- Multi-language support (English, Swedish, French)
- EO/IR mission-based grouping of cameras
- Optional: Air Awareness Basic (Remote-ID, ADS-B)

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