



CoreCommand™ SMS

When Situational Awareness Matters

Ver. 1.2

CoreCommand is a Sensor Management System (SMS) designed to manage a variety of sensors from different manufacturers. Combining various PIDS (Perimeter Intrusion Detection Systems) sensors, each optimized for specific tasks, is a key part in designing a perimeter system with high detection capability and low false alarm rate. The system integrates radar and image sensors, along with advanced AI-based image analysis, to protect both smaller and larger areas and volumes - over land, water, and airspace.

CoreCommand SMS can integrate a wide range of sensors, including surveillance radar, PTZ cameras, and third-party devices such as AIS, ADS-B, GPS sources, and AI classifiers like Ultinous U-alarm and AirScout Verify. The integration of these sensors enables more consolidated data management and improves situational awareness.

Scalability and Performance

The system's architecture is designed to handle implementations of varying sizes, from single installation sites to extensive systems covering multiple locations. The scalability ensures optimal performance and adaptability to changing security needs.

User-Friendliness

CoreCommand SMS prioritizes user-friendliness, especially for security operators. An intuitive interface facilitates monitoring and response to incidents, contributing to increased operational efficiency.

Open Architecture

CoreCommand's open architecture allows for integration with third-party sensors, software, and systems. This facilitates the incorporation of additional data sources to create a comprehensive ecosystem for perimeter protection.

Advanced Rule Engine

CoreCommand includes a flexible rule engine that allows the administrator to configure combinations of events. This feature contributes to efficiency through a high degree of automation.

Integration with VMS and PSIM

The system supports RTSP streaming and event communication via LAN, enabling integration with Video Management Systems (VMS) and Physical Security Information Management Systems (PSIM). CoreCommand is compatible with various VMS and PSIM solutions.

With the Security Operator in Focus

CoreCommand provides security operators with a visual real-time representation of sensor data, contributing to an improved understanding of ongoing events. By displaying tracking information on maps, operators can quickly identify and address threats, discern patterns, and make rapid and well-informed decisions.

Support for 3rd Party Products:

- Radar sensors: EchoGuard, Spotter, Elara R-190, Axis
- PTZ cameras: Axis, Bosch
- AI analysis: U-alarm, 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

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