



CoreCommand[™] SMS

When Situational Awareness Matters

Rev06

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

Sensor-agnostic

CoreCommand is a sensor-agnostic monitoring platform that effectively integrates various sensor technologies such as radar, PTZ cameras, and geodata from AIS, ADS-B, and GPS transponders. This integration is further enhanced through collaborations with leading AI classifiers such as Ultinous U-alarm and Walaris AirScout Verify.

CoreCommand brings together and analyzes real-time data from a variety of sensors, and their georeferenced data allows security operators to obtain a clear and comprehensive overview.

Usability and Efficiency

Usability is at the core of the CoreCommand SMS, 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 offers administrators the ability to create custom event combinations, enabling a high degree of automation and efficiency in security management.

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

Integration with VMS and PSIM

To further broaden its functionality, the system 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, Spotter, Flir, Axis
- PTZ cameras: Axis, Bosch
- AI analysis: U-alarm, Walaris
- 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