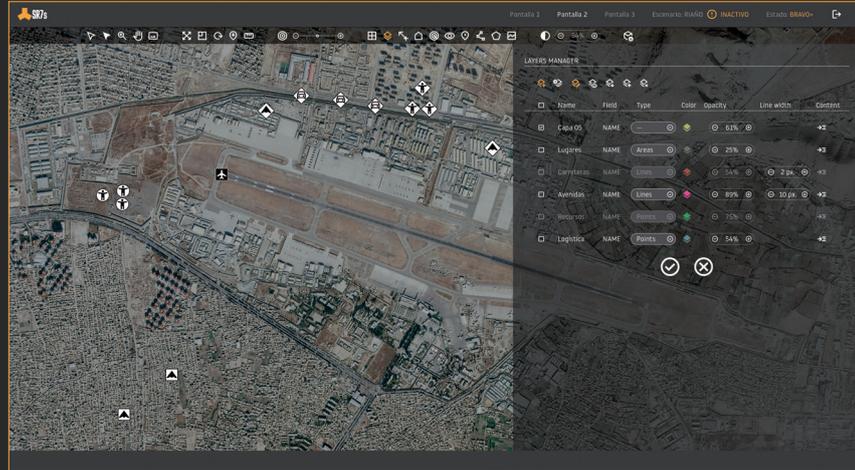**SR7S SECURITY PLATFORM**

Security Systems for Military Infrastructures

SR7 has developed a state-of-the-art command and control software designed for military installations and rapid deployment operations. The SR7S Security Platform seamlessly integrates multiple services and devices into a unified, reliable, and mission-ready system.

The SR7S Security Platform functions as a C4ISR Battlefield Management System (BMS), automatically collecting and managing information from multiple sources with speed, accuracy, and intelligence. Whether operating from a fixed or mobile command center, a remote location, or directly within the theater of operations, it delivers situational awareness, supports rapid decision-making, and ensures effective command, communication, and coordination of all assets -human and material- through a single, unified platform.

GREATER INTELLIGENCE TO ENHANCE SECURITY
The SR7S Security Platform delivers Physical Security Information Management (PSIM) capabilities that integrate multiple security devices and systems into a single, intuitive user interface. It automatically collects and correlates events to proactively detect and resolve potential threats, providing enhanced control, improved situational awareness, and the ability to generate comprehensive management reports.

The integrated GIS enables the configuration of multiple operational scenarios within a dynamic theater of operations. It supports the definition of alert and pre-alert zones, and provides precise, rapid geolocation of systems, alarms, intruders, and targets. All entities can be tagged and automatically tracked in real time, across extended ranges, under adverse visibility conditions, and in highly complex operational environments.

We can seamlessly integrate virtually any detection device, whether proprietary or third-party, including thermal and CCTV cameras (fixed or mobile), optronic systems, ground radars, microwave barriers, chemical agent detection networks, seismic sensors, alarm and public-address stations, fence intrusion sensors, and multi-band tactical radio communications. In addition, we develop customized solutions and special projects tailored to meet specific operational requirements.

Main Features

Integration of heterogeneous security devices:
Controls, monitors, and displays their status and notifications within a highly accurate GIS environment.

Multi-Stage System:
Supports multiple theaters of operation simultaneously within a multi-window environment, with scenarios adaptable to both indoor and outdoor settings.

Multi-Sensor Integration:
Incorporates thermal cameras, CCTV, radars, optronic systems, fence and seismic sensors, microwave barriers, volumetric detectors, and more.

Accurate Mapping:
Displays the precise location of sensors, alarms, and detected intruders directly on the map.

GIS Standards Support:
Uses standard GIS files such as ECW orthophotos and SHP layers, and supports multiple raster formats including BMP, JPG, PNG, TIF, GeoTIFF, and more.
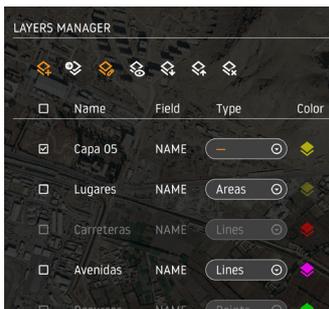
Comprehensive Layer Management:
create and manage map layers with customized information, either by drawing directly on the GIS or from intruder traces, with the ability to search fields defined within each layer.

Optronic System Cueing:
Enables pointing of optronic systems to specific coordinates simply by clicking on the map.

Radar-to-Optronic Integration:
Enables target pointing and tracking based on radar detections using mobile optronic cameras, with a rapid calibration procedure that synchronizes a radar with an optronic system in less than 15 minutes.

Alert-Driven Optronic Cueing:
Allows optronic systems to be pointed automatically in response to alerts, such as a fence breach, microwave sensor trigger, and more.
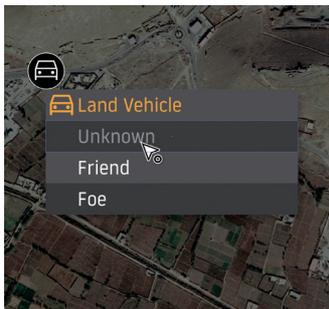
Fast Target Tagging:
Quickly label intruders or targets with a simple right-click to determine friend or foe (FoF).

Automatic GPS Target Labeling:
Applies fusion procedures to automatically label targets provided through GPS.

Radar Target Vectors:
Displays speed and course indicators for radar-detected targets.

Blue Force Tracking via radio:
allows the position of friendly forces to be represented in GIS in real time.

Customizable Alert Zones:
Define pre-alert and alert areas with behaviors tailored to operational needs.

Dynamic Priority Zones:
Define Priority 1 and Priority 2 zones, allowing users to dynamically set the priority and sequence of objectives based on parameters such as distance, approach speed, and estimated time of arrival (ETA)

Programmable Surveillance Rounds:
Schedule multiple patrol rounds for each system with integrated calendar and agenda viewer.

Intelligent Video Analytics Integration:
Supports proprietary and third-party solutions (SR7, Motorola, Aimetis, ioimage, TechnoAware, Evitech), with real-time target georeferencing and assisted video tracking.

Field of View Visualization:
Displays radar and optronic system coverage, showing the current field of view of each system using digital terrain models and geo-specific data.

Alert and Data Review:
Review alerts, radar-tracked target paths, and recorded video (if available), with the ability to export and copy data to external storage devices.

Open Architecture:
Fully prepared for future sensor integration through driver-based compatibility.

Incident Management System:
Creates and manages cases with full video recording and preservation from connected sources for forensic investigation. Provides complete incident tracking from initiation to resolution.

Integration with platforms:
TAK, ATAK, WINTAK, and integration with VMS: Milestone, Genetec, Avigilon, Ocularis and standard NVRs.

Custom Electronics Development:
On-demand, tailor-made electronics to integrate analog devices into the same IP platform.

Scalable Licensing System:
Available from the most basic version up to a full-featured Battlefield Management System (BMS).

Integrated Simulation for Advanced Training and Operational Readiness

The SR7s simulation module is a powerful tool for administrators and evaluators, designed to provide elite training and operational validation in a controlled environment. It generates synthetic radar tracks, alarms, and events that are indistinguishable from real-world data, integrating them natively into the same interface your team uses daily.

CREATION OF HYPER-REALISTIC SCENARIOS

Achieve unprecedented realism in your training exercises. The SR7s training module allows you to create highly complex scenarios by configuring every detail of the simulated tracks, including: type, speed and heading, complex behavioral profiles, pre-defined routes that follow cartographic elements like roads or air corridors, mission playback using historical data from recorded tracks.

This capability is invaluable for refining response protocols, analyzing past incidents, and mastering operational procedures.

IMMERSIVE AND REALISTIC TRAINING

In training mode, operators are immersed in comprehensive, dynamic scenarios where they use the system's standard tools. This ensures a natural learning curve and guarantees that the skills acquired in the simulator transfer directly to the operational environment.

Our advanced *3D rendering engine* recreates multi-spectral video in real time, leveraging digital terrain models (DTM) and high-precision photogrammetry. This provides a true-to-life visualization through video channels and optronic systems, complemented by dynamically generated imagery and classified target symbology.

DISCREET AND REAL-TIME PERFORMANCE EVALUATION

Elevate your team's performance without interrupting ongoing operations. Administrators can inject simulated tracks and events directly into a deployed system. This unique feature allows for *discreet performance evaluation* under realistic mission conditions, all without compromising the security or continuity of connected systems.

With SR7s, you can ensure continuous personnel training and protocol validation, keeping your team prepared for even the most critical scenarios.

Key Features

Synthetic Data Generation:
Creates radar traces and alarms indistinguishable from real ones.
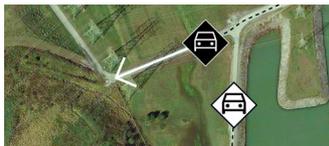
Trajectory Programming:
Define paths on cartographic layers (e.g., roads, air corridors).

Real-Time Multispectral Video:
Simulated video generated with 3D engines, digital terrain models (DTMs), and photogrammetry.

Training Mode:
Create complete scenarios using the same interface and tools as in live deployment.
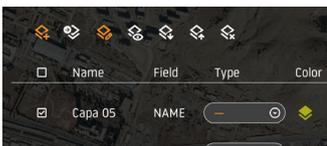
Configurable Parameters:
Define trace settings such as type, speed, heading, and motion profile.

Mission Replay:
Reproduce historical missions using past trace records.

Target Visualization:
Graphical representation of classified targets within the simulated scene.

Real-Operation Mode:
Inject simulated traces into live systems to evaluate operators without compromising the mission.

SR7F fire   SR7s security   SR7m management   SR7

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