Detect. Protect. Monitor.

Maintaining a secure perimeter and keeping staff and inmates safe are critical requirements for correctional facilities. Senstar has over 40 years of experience working with correctional institutions and offers products that are uniquely tailored for this challenging and potentially dangerous environment.

Recognizing that different correctional facilities face different security requirements, Senstar offers a wide range of video management, perimeter intrusion detection, access control, and video analytic solutions. Individually, they provide best-in-class protection; used in combination, they form an integrated, multi-layered solution.

Detect and deter activity along the perimeter

Keep staff safe

Ensure facility-wide situational awareness

SECURE PERIMETER

Maintain public safety by detecting perimeter incidents immediately, at the initial stages of an escape attempt. Critical location data from perimeter sensors and video analytics can be used to sound alarms, call-up specific cameras and PTZ locations, and then track subsequent movements.

Perimeter sensors and video analytics can be used in a variety of applications, including along fences, walls, buildings, and sally ports, while also taking into account the different physical and operational requirements of low, medium, and high-security facilities.

Open interfaces and certified integrations enable Senstar equipment to be deployed alongside other security devices. Multi-layered solutions that include radar, drone and contraband detection systems can be monitored directly within the Senstar Symphony Common Operating Platform.

MANAGE INCIDENTS

Comprehensive video surveillance equips correctional officers with critical information for assessing and responding to situations. Senstar Symphony software can direct attention to specific events, link associated cameras together, enforce privacy rules, and track events using PTZ cameras. For correctional officers stationed throughout the facility, compact video display appliances can provide localized video feeds.

For post-event investigation, auto-summary, intelligent search, and video export features enable staff to quickly collect and share relevant video.

KEEP STAFF SAFE

Staff in correctional facilities require the ability to quickly summon help via a personal duress device. Senstar offers ultrasonic systems designed to meet the highest standards of performance and reliability. With the press of a button, pull-pin release, or man-down event, the transmitter emits an encoded ultrasonic signal. As ultrasonic signals do not penetrate walls, ceilings, or floors, the signal is confined to a specific room, ensuring correct and reliable locating.
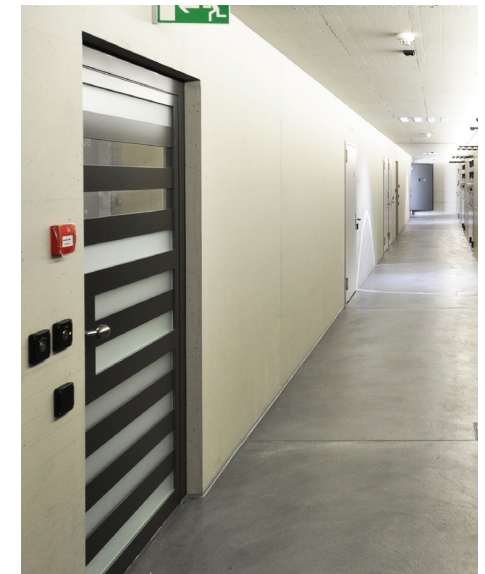

MONITOR BUILDING EXTERIORS

Senstar video analytics are an ideal and cost-effective means to monitor inmate activity at windows and building exteriors. Facade monitoring can detect inmates climbing out of windows as well as the smuggling or exchange of contraband like mobile phones or controlled substances.

In addition to generating alarms for corrections staff to take immediate action, Senstar Symphony can capture high resolution video of incidents for investigatory purposes.

CONTROL MOVEMENT

A key requirement within correctional facilities is the ability to monitor movement. The Senstar Symphony Common Operating Platform provides a single interface for video surveillance, security management, and access control. For example, alarms from sensors at sally port gates can be temporarily masked during legitimate events like deliveries while the event is timestamped and recorded in the accompanying video surveillance footage.

Inside the facility, requests to open doors can generate notifications within the software. Automatically called up cameras enable to the operator to assess the situation and simply click an on-screen control to open the door or engage a two-way intercom.

A Broad Portfolio for Site-Specific Solutions

BURIED SENSORS

Senstar's buried OmniTrax volumetric sensor creates a covert detection field that detects and locates intrusions. It can be installed outside perimeters to provide early warning, or in sterile areas to provide a second layer of defense.

GATES AND SALLY PORTS

Senstar offers multiple options to detect intrusions at gates and sally ports:

Wireless Gate Sensor – Avoid wiring issues on sliding gates. The wireless sensor is powered from its built-in solar panel and/or internal battery. An auxiliary input can monitor the status of gate latches or other devices.

UltraWave Microwave – Fully digital and stackable, UltraWave provides volumetric detection at key egress points.

SITUATIONAL AWARENESS

The Senstar Symphony Common Operating Platform is a comprehensive, modular solution for site security:

Video Management – Open, enterprise-grade video management.

Video Analytics – People and vehicle tracking, license plate and face recognition.

Access Control – Link video with door events, manage access from on-screen controls.

Sensor Fusion – Defeat nuisance alarms by synthesizing low-level data from fence and video sensors to intelligently characterize risk.
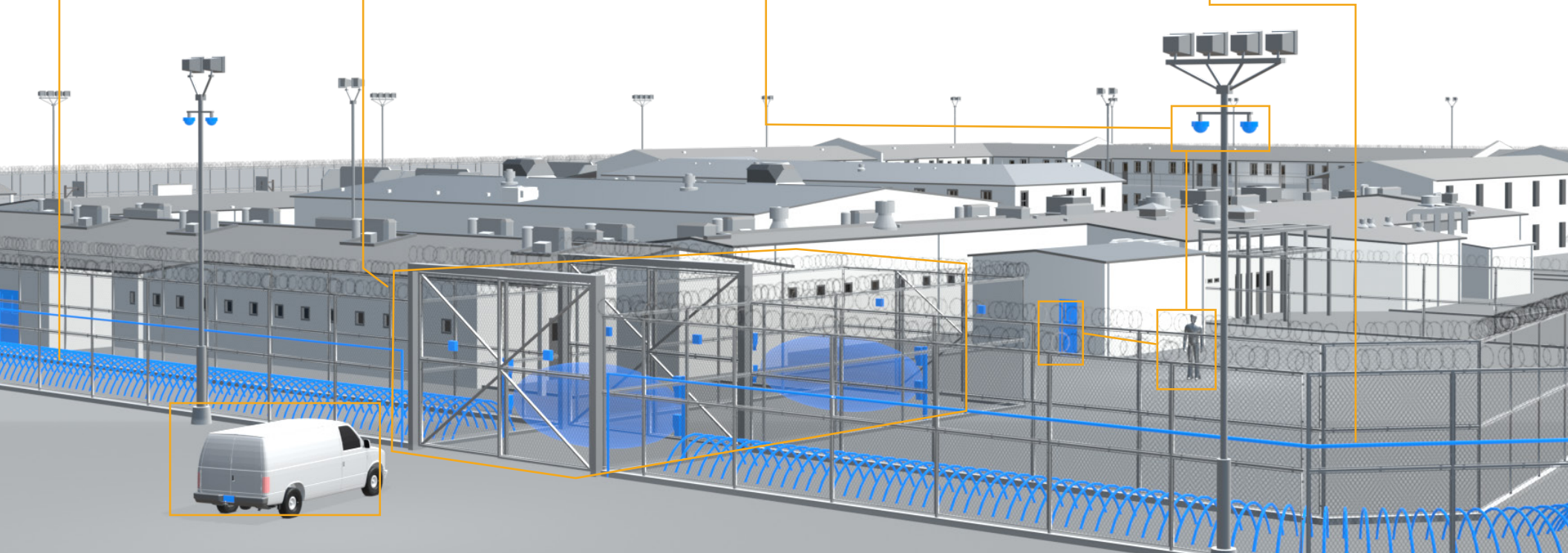
FENCE-MOUNTED SENSORS

Fence-mounted sensors provide highly effective, cost-efficient perimeter intrusion detection:

FlexZone – Cabled-based sensor that detects and locates intrusions to within 3 m (10 ft).

FiberPatrol – Fiber optic sensor that detects and locates intrusions to within 4 m (13 ft).

Senstar LM100 – Hybrid 2-1 intrusion detection and perimeter lighting. Ideal for perimeters without suitable lighting.

DESIGNED FOR CORRECTIONAL ENVIRONMENTS

Senstar equipment is designed for optimal performance in correctional environments:

- Fence sensors support up to 4 m (14 ft) fences with a single run of cable. For added security, double-run configurations are also available, and can be configured to generate only a single alarm during an intrusion event.
- Support for harsh environments – All outdoor Senstar equipment is tested under extreme temperature conditions and designed for reliable operation under extreme heat and cold.
- For sites where outdoor equipment is a concern, Senstar fiber optic sensors support extended distances, enabling the processor to be installed in secured indoor locations.
- Maintenance – Senstar equipment is designed to simplify on-site repairs and/or replacements. Our products include extended warranties, a comprehensive Senstar Care option with guaranteed service levels, as well as extensive certification programs, documentation, and self-training materials.

OPEN INTERFACES, CERTIFIED INTEGRATIONS

To maximize the benefits of its broad portfolio, Senstar ensures its products support a wide range of integration options, avoiding integration hassles and vendor lock-in.

Our sensors share a common communications interface with an open, freely available SDK. We also offer certified, fully supported integrations with leading third-party video and security management systems. Fall-back connectivity via on-board relay outputs or ASCII over TCP/IP are other options.

Senstar supports an open ecosystem for video surveillance. With support for ONVIF-compatible cameras, Senstar Symphony lets customers choose whichever cameras they prefer, and supports any of their embedded analytics via ONVIF alerts. The Senstar Symphony Common Operating Platform itself supports a RESTful API and includes an ONVIF server, enabling it to stream video and alerts to other systems.

The Senstar Symphony Common Operating Platform provides an unified interface for video managment, security managment, and access control
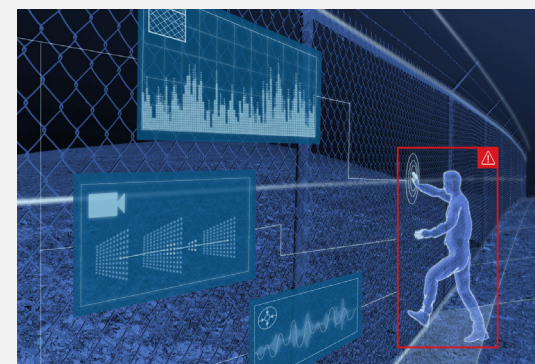
SENSTAR'S SENSOR FUSION ENGINE

The Senstar Symphony™ Common Operating Platform's sensor fusion engine synthesizes data from separate systems to generate actionable information.

More than just a simple Boolean logic integration, the sensor fusion engine accesses low level data to intelligently characterize potential risks. Data synthesis enables the system to achieve levels of performance that exceed those of the individual sensors.

For security applications, this has direct, practical benefits, namely the ability to maximize the strengths of individual sensor technologies while avoiding their shortcomings. When signal response data from outdoor sensors is synthesized with video analytic data, nuisance alarms generated by wind or debris are virtually eliminated while maintaining the system's high probability of detection.

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