

Securing Airports

Keep airports safe inside and out

SENSTAR™



Perimeter intrusion detection sensors

Protect airport perimeters large and small.



Video management software and analytics

Monitor and secure locations while providing business intelligence.

Airport infrastructure and assets are prime targets for vandals, thieves and terrorists.

Senstar products are used to protect hundreds of civilian and military airports around the world to keep operations, goods and people safe and moving.

Intrusion detection sensors and outdoor video analytics

Senstar perimeter intrusion detection sensors (PIDS) and video analytics provide early warning of unauthorized entry into secure outdoor such as aircraft parking, fuel storage, electrical substations, and navigation/communication equipment areas.



FENCE-MOUNTED SENSORS

Detect and locate intruders to within 3–4 m (10–14 ft). Senstar's cable-based sensors continue to provide protection in the event of a cable cut, ensuring the airport remains protected until security and maintenance personnel can arrive.

- FlexZone® – Ideal for use on shorter perimeters, such as inner fenced-in areas that protect critical resources – up to 600 m (1968 ft) per processor.
- FiberPatrol® (fiber optic) – Ideal for longer perimeters like the outer fence – up to 50 km (31 mi) per processor.



BURIED SENSORS

OmniTrax® is a covert sensor that generates an invisible detection field, ideal for monitoring sensitive areas within the apron that are not fenced in.



HYBRID INTRUSION DETECTION AND INTELLIGENT LIGHTING

A powerful deterrent, the Senstar LM100™ detects and illuminates intruders at the fence line. The engineered lighting minimizes light pollution (International Dark-Sky Association approved), enhances the assessment value of surveillance cameras, and reduces electrical consumption by as much as 95% when compared to traditional security lighting.



WIRELESS GATE SENSOR

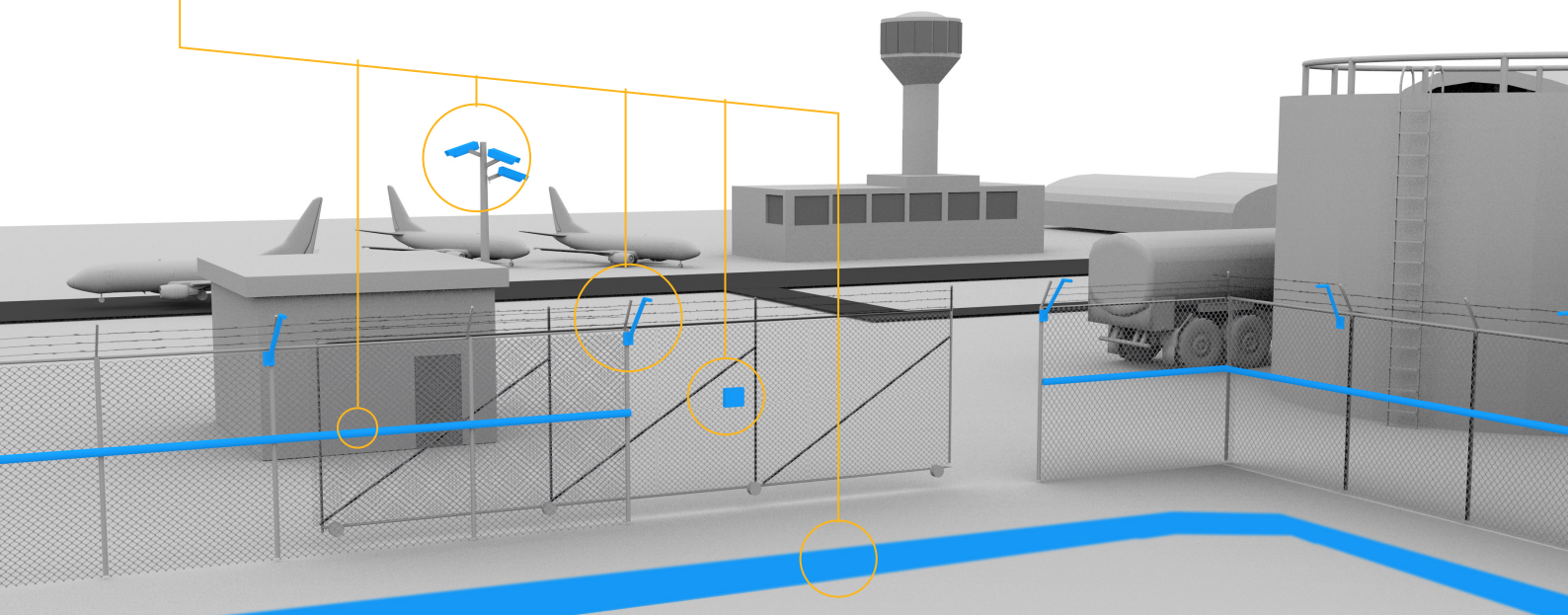
The Wireless Gate Sensor attaches directly to the gate fabric and eliminates the need to route cables from the fence to the gate. Powered from its built-in solar panel and/or internal battery, the sensor simplifies installation and maintenance.



OUTDOOR VIDEO ANALYTICS

Senstar video analytics reduce false alarms, support night vision and thermal cameras, and work effectively in rain, snow, and fog:

- Outdoor People and Object Tracking – Track people and vehicles inside and outside the perimeter. Applications include virtual fences, alarm zones, and auto-PTZ.
- License Plate Recognition – Obtain business intelligence by tracking vehicles at controlled egress points. Applications include delivery tracking and vehicle access in secure areas.



Video management and indoor video analytics

Senstar video management software (VMS) and video analytics can identify suspicious behavior and persons of interest, streamline operations, and simplify IT administration.



VIDEO MANAGEMENT SOFTWARE (VMS)

Highly scalable and easy to use, the Senstar Symphony™ VMS is the perfect solution for monitoring airports of any size, including those with thousands of cameras:

- High availability – Built-in failover without the need for expensive Microsoft® clustering.
- Small server footprint – Optimized for both recording and streaming video, Symphony requires fewer servers than competing systems, leading to substantial savings in capital and operational costs.
- Web-based administration – Administration is handled from a web-based interface, enabling IT administrators to centrally manage the system without locally installed software.
- Enterprise-grade features – With built-in video analytics, advanced operator clients, encryption, privacy controls, and drag-and-drop video wall support, Symphony streamlines operator workflows and business practices.
- Open, integrated platform – Symphony installs on off-the-shelf hardware, works with cameras from virtually all major manufacturers and supports industry standards. Out-of-the-box integration with intrusion sensors and access control systems improve situational awareness by delivering a seamless view of events.

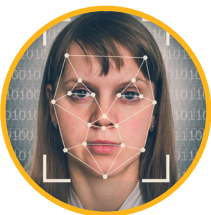


VIDEO DISPLAY APPLIANCE

An alternative to bulky PCs, the Senstar Thin Client displays video directly from IP cameras. When used with Symphony, it also supports playback, export and video walls. Its embedded OS requires no anti-virus software, maintenance, or regular software updates. With a small form factor, it can be installed directly on the back of video displays.

INDOOR VIDEO ANALYTICS

Senstar video analytics reduce operator workload and improve overall security monitoring by automatically detecting persons of interest, items left in public spaces, crowd formations, and wrong way movement between landside-airside egress points.



Face Recognition



Left Item Detection



Indoor People Tracking



Crowd Detection



Wrong Way Detection



PIDS and VMS – Part of a comprehensive security system

There is no simple one-size-fits-all solution for securing and monitoring an airport.

For smaller airports in low-threat environments, it may be more practical to focus on protecting critical inner perimeters, rather than the entire outer perimeter. For large international airports, an integrated multi-layered system with PIDS, VMS and other elements that extend to the outer perimeter may be a necessity.

Budget is often a concern for airport security. Fence-mounted sensors are typically seen as a cost-effective solution that reduce the operational costs associated with maintaining a secure perimeter. Video surveillance can assist by providing additional layers of intrusion detection as well as by monitoring egress points and movement inside the perimeter.

Inside terminals, monitoring movement between landside-airside areas is a key task, as well as the detection of unattended baggage. Video analytics can leverage existing surveillance infrastructure and reduce operator workload, enabling resources to be redirected towards other security concerns.



Cyber security and privacy

Senstar is committed to ensuring its products are designed and deployed with the highest level of cyber security. In addition, Senstar software undergoes vulnerability assessments and penetration testing.

Related to cyber security are privacy concerns, especially in jurisdictions with strong privacy regulations. The Symphony VMS includes features to assist with the implementation of privacy policies, including encrypted communications, granular operator permissions, dynamic/static video scrambling, two-person rules, operator logging, and security profiles.



About Senstar

Senstar has been safeguarding people, places and property with the world's largest portfolio of perimeter intrusion detection sensors for over 40 years. Now combined with world-class video management systems and analytics (formerly Aimetis), Senstar offers a comprehensive suite of proven technologies that work together to reduce complexity, improve performance and unify support.

With corporate offices in strategic locations worldwide and products operating in more than 100 countries, Senstar has an extensive global presence that enables it to offer service excellence and comprehensive technical support.

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