intel + sensennetworks + milestone

SENTRACK IMPROVES SITUATIONAL AWARENESS AND OPERATIONAL EFFICIENCY ON CAMPUSES

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Organization:
Education campuses

Location:
Worldwide

Industry Segment:
Campuses and public buildings

Solution:
SenTRACK by SenSen

Security on student campuses is a top concern. From dorm rooms and lecture halls to sports complexes and libraries, many different areas need monitoring to ensure the safety of students, staff, and facilities. But campus administrators face many unique challenges when it comes to security. Prominently placed cameras can act as a deterrent and warn thieves, trespassers, and vandals that they may be monitored. But oftentimes, even after heavy investment, surveillance systems fail to ensure a safe campus environment. Campus security personnel need to know the layout of the site which can take months of training. And, despite this training, operators sometimes fail to manage critical incidents or respond promptly.

Keeping you in the know

Seamlessly integrated with Milestone XProtect, SenTRACK effectively addresses these challenges. This smart solution is designed to help campus security effectively respond to critical incidents. They can quickly set up alerts, and an alarm will automatically pop up in the XProtect Alarm Manager notifying them of the incident. This powerful solution makes it easy for operators—regardless of their skills or expertise—to track people over large-scale camera networks in live and forensic video.

Vast improvement on traditional surveillance systems

Traditional surveillance systems rely heavily on the operator's skills and expertise to respond to incidents. Unfortunately, this human factor is often the weakest link in a campus security control room. SenTRACK addresses this issue by making it easy for any system operator to confidently and effectively pursue a target between cameras throughout a large multi-camera facility.

New security staff no longer need to waste time learning the layout of the system— because they don't need to know where cameras are positioned nor the layout of the site to follow the action. Whenever incidents occur, SenTRACK will immediately alert campus security, eliminating the need for constant monitoring. This intuitive real-time analytic effectively learns how all cameras relate to each other. It then leverages the operator's peripheral view and uses subtle, on-screen indicators to display the most likely next location of the object being tracked.

SenTRACK can even determine if people are caught in gaps between camera fields of view and where they'll next appear. Additionally, with tag and track functionality, operators can "tag" an individual and the system will automatically follow the person throughout an entire campus.

Cost-effective solution

Because operators no longer need local site knowledge to be effective, there's no ramp-up time needed. Security personnel can successfully perform these tasks from day one with minimum training. SenTRACK acts like an accurate pair of eyes and eliminates the impacts of human fatigue, error, and lack of skills.

Ensure employee safety

SenTRACK can be used for virtual walkthroughs of campus facilities to verify the absence of intruders. This helps ensure the safety of security personnel by eliminating the chances of them unknowingly meeting an intruder. Security guards can scan the entire premises for threats without being physically present. And thanks to seamless integration with Milestone XProtect, whenever a potential threat is detected, they can quickly activate various deterrents such as alarms and strobe lights. Most of the time this will scare away would-be criminals, but it also ensures campus security only notify law enforcement when necessary, saving time filing police reports.
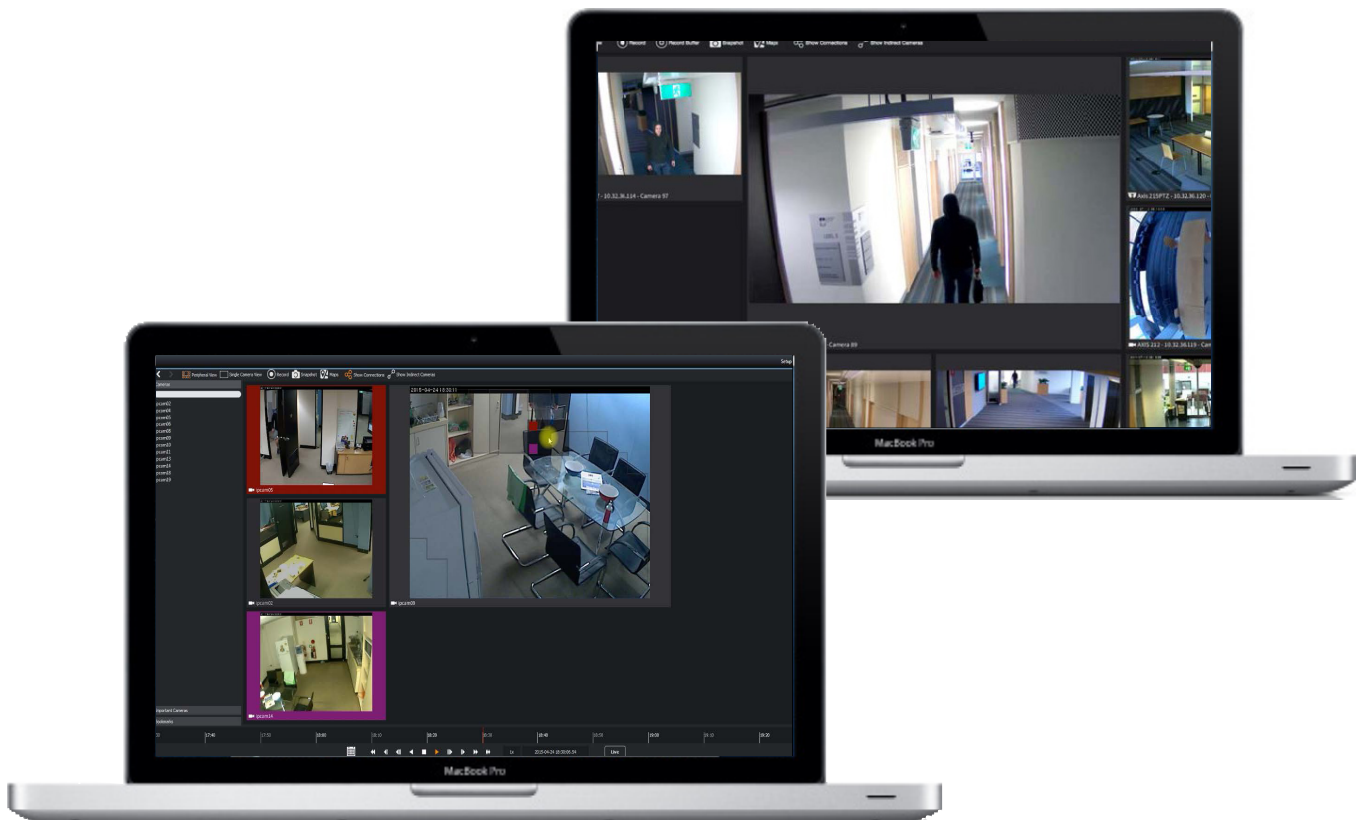
No need to replace your cameras

Creating a safer campus environment doesn't need to be an expensive, time-consuming task.

"We installed new cameras and upgraded the VMS, but the users still failed our 'active shooter' tests"

SenTRACK captures and analyzes data from existing camera feeds and sensors (such as PIRs, LiDAR, and RADAR sensors), so there's no need to completely replace equipment. And, with real-time notifications, you can rest assured that your operators can efficiently respond to high-stress situations such as active shooters on site. Additionally, SenSen offers support for hybrid solutions combining legacy cameras and smart cameras running Intel OpenVINO stack on Movidius VPUs, so if needed, you can migrate your camera fleet at your own pace.

"We have a $1M-plus security system being run by low-level staffers earning the minimum wage."

Forensic evidence
SenTRACK also offers improved forensic efficiency. It can track individuals backward in time to determine when and where they first appeared on campus. Operators can then create video evidence while continuously tracking other objects. They can also create campus-wide incident reports and share multi-camera evidence videos. This all radically reduces the costs and speed of reporting evidence.

Improve your overall surveillance capabilities
As well as detecting events and triggering alarms, the scalable solution helps you review your campus security strategy so you can continuously improve and immediately spot faults within the system. Thanks to built-in audit functionality, it lets you know if there are any repairs or upgrades needed. For instance, it can determine if there are gaps in camera coverage, black spots, duplications, or even broken cameras. So you'll know if additional cameras are needed and you'll gain valuable insights on network expansion and enhancements.

Take control of your campus
Even in the most complex large-scale campus environments, SenTRACK helps campus security confidently take control of the entire surveillance system. This AI-enabled, multi-camera tracking software also offers people counting and occupancy metrics within facilities. All this valuable information helps campus security understand the flow of movement within the facilities knowing they'll be notified of potential overcrowding to ensure safety and health on the campus.

About SenSen
A leading provider of AI solutions, SenSen fuses complex video and sensor datasets at high speeds across multiple networks to deliver strategic insights. Using powerful object tracking, AI data fusion, statistical signal processing, and pattern recognition algorithms, SenSen empowers asset owners and managers to become smarter and enterprises to become more efficient.

To find out more get in touch with SenSen today.