

Case Study

Surveillance System

FS Enhances Campus Safety with Intelligent Surveillance for a Unified School District

Discover how FS helped a unified school district enhance security with a smart surveillance system, reducing incidents by 40% and ensuring a safer 24/7 learning environment for 1,000+ students and staff.




FS Protects the Safety of Students and Teachers in a Unified School District

Country

 United States

Industry

 Education

Network Type

 Midsize Business Surveillance

Solutions

 Surveillance System

Key Stats

- A comprehensive surveillance system covering over 95% of the campus area ensures safety for 1,000+ students and staff.
- Campus violence incidents decreased by 40% within 6 months of implementation, significantly enhancing student safety.
- Security management costs were reduced by 20%, allowing funds to be redirected toward educational improvements.
- Over 95% of teachers and parents reported high satisfaction with the improved safety measures.
- The user-friendly system reduced installation time by 55%, ensuring rapid deployment across the campus.

Highlights

- Deployed active deterrence PTZ cameras around the campus perimeter, enabling real-time monitoring and deterring intruders, ensuring the safety of teachers and students.
- Installed access control systems at school entrances and key areas to track movements, prevent unauthorized entry, and reduce property loss.
- Implemented AI-driven analytics to automatically detect fights, loitering, and falls, triggering instant alerts for faster response and proactive intervention.
- Upgraded to HD cameras and integrated large-capacity storage to extend video retention, ensuring long-term video retention and enabling quick retrieval for effective incident investigation.



Overview

In a remote area of the United States, a unified school district is making significant progress in education. The district consists of an elementary school, a middle school, and a high school, serving approximately 1,000 students and providing a seamless educational journey from childhood to adolescence. To ensure the safety of teachers and students while creating a secure and reassuring environment for parents, the district decided to upgrade its surveillance infrastructure.

After evaluating multiple options, Chen Jianjun, the school's office manager, chose to partner with FS to implement a simple, user-friendly, and budget-efficient surveillance system, ensuring the safety of students and staff.

Challenges

- The school often faced unwanted visitors, leading to frequent vandalism and theft, which compromised campus safety and property security.
- Weak safety awareness among students resulted in frequent bullying, fighting, and harassment, negatively impacting their physical and mental well-being.
- The lack of comprehensive monitoring made it difficult to quickly locate students who skipped classes, causing concern among teachers and parents.
- Extensive video coverage across multiple buildings overwhelms limited storage, hindering incident investigations and leaving critical details unresolved.

Solutions

In a campus comprised of multiple buildings, ensuring comprehensive surveillance while reducing management complexity is a significant challenge. To address this, the school adopted a lightweight and intelligent monitoring solution, enabling flexible deployment of local and remote monitoring in key areas.

Active deterrence PTZ cameras were installed around the campus perimeter to deter intruders and monitor students attempting to skip class by climbing fences. At main entrances, access control systems were deployed to track student movements, record transaction data, and prevent unauthorized access, further enhancing campus security.

Inside the school, surveillance coverage was optimized by strategically deploying cameras tailored to different environments, these cameras are integrated with intelligent analytics servers to enable real-time incident detection and instant alerts for fights, bullying, and suspicious activities. Classrooms were equipped with 5MP turret cameras with built-in mics for audio capture, while wide-angle cameras were used in public areas to provide broader coverage and reduce blind spots. Offices were fitted with discreet 5MP dome cameras to protect staff property without making teachers feel uncomfortable.

In the library, fisheye cameras offer 360° panoramic views, and the heatmap function helps administrators optimize space utilization and guides students in better resource usage. Corridors and stairwells are equipped with 5MP HD fixed bullet cameras to effectively prevent accidents caused by students' playful activities. In the parking lot, wide-angle cameras with 24/7 color night vision were deployed to resolve disputes and enhance safety in this accident-prone area.

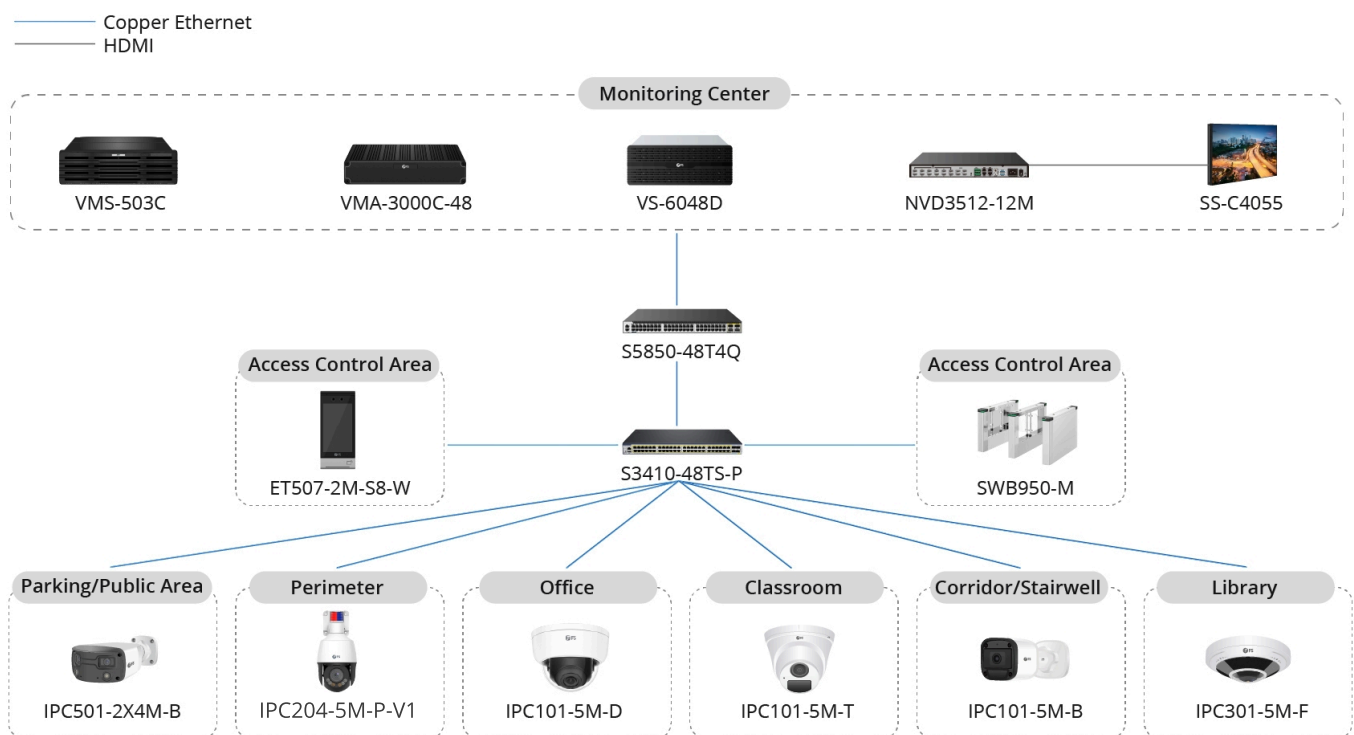
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Despite the extensive camera coverage, management remains streamlined. All surveillance cameras, access control systems, and storage devices were integrated into a unified video management system, enabling centralized control from a single interface.

Additionally, a video wall with multiple display screens allowed real-time monitoring of all key areas, ensuring that any suspicious activity could be promptly detected and addressed.



Results

FS intelligent video surveillance solution has transformed the unified school district's security. With 95% monitoring coverage across multiple buildings, high-quality monitoring is now achieved both indoors and outdoors. This has led to a 40% reduction in violence and vandalism incidents, while enabling faster emergency responses and improved monitoring efficiency, ensuring a safer environment for students and faculty.

Chen Jianjun, the school's office manager, shared: "The new system has dramatically improved campus safety. We can now address incidents like vandalism and bullying more effectively, ensuring our students, teachers and facilities are protected 24/7."



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