



K-12 EDUCATION

For K-12 education video surveillance is the most heavily used security solution, and is critical for identifying perpetrators and delivering information in real time to first responders. The ongoing evolution to IP video surveillance requires new ways to ensure the stability of the underlying video systems. At the same time, the size and complexity of these systems is growing, making manual service an ineffective and costly burden for schools. Adding to these burdens is cyber-security of the security system itself. Hackers increasingly use physical security systems as attack surfaces.

Unique Needs of K-12 Education

In an educational setting security challenges are multiplied. The environment is more complex and tends to encompass a large geographical area, including multiple facilities and in some cases multiple campuses, as well as student events, parking areas, and building lobbies.

- Mix of students, employees, and general public to protect
- Sharing of security information with a wide variety of agencies
- Immediate need to communicate physical security status when there are security situations
- Large physical distances
- Use of advanced video analytics
- Large number of IoT devices to manage



Why School Security Can Fail

Despite the best of efforts, physical security systems can fail for a number of reasons. Many of these problems can be prevented by a combination of service assurance technology, automation, training, and best practices.

- IP-based security systems are complex, and rely on multiple devices working as a team
- Relying on “self-test” health checks can lead to false sense of security working
- Finding security system failures is done by humans manually
- Cyber-hygiene of security systems is difficult and manual
- Lack of accurate inventory, location, and criticality of physical security devices
- Limited budgets for ongoing maintenance and improvements

How Viakoo Keeps School Security Running

With Viakoo, your physical security systems are always being examined to make sure they are running properly. Our service assurance technology and automation provides:

- **Detection** - immediate notification of failures and degrading components
- **Diagnostics** - automated root cause analysis delivered through tickets
- **Recommendations** - guidance on how to fix issues



How Viakoo Works

Viakoo is a Service Assurance solution for physical security that, unlike traditional IT monitoring tools, provides automated verification that the goals of the physical security applications are achieved. Viakoo continuously analyzes system metadata to determine that video evidence is captured and stored for the required Retention Period to achieve compliance, and that Access Control panels are always capable of authenticating and authorizing proper access. With Viakoo, automated Alerts and Fix-it recommendations are provided to quickly resolve issues when degradations or failures occur.



Littleton Public Schools: Award-Winning Security

School: Littleton Public Schools (Colorado)

Situation: 26 schools serving over 15,000 students, consistently winning awards for school security.

Needs: To improve uptime of physical security systems and eliminate any lapses in coverage

Quote: "Thank you Viakoo for the services that you provide to our school district in protecting our districts infrastructure. In a K-12 having your security equipment up and functioning at all times is absolutely critical." Guy Grace, Director of Security, Littleton Public Schools (2018 Security Industry Association's Innovative Security Practitioner Award winner).

Cleveland Metro Schools: Effective & Efficient

School: Cleveland Metro Schools (Ohio)

Situation: 107 schools serving over 39,000 students from diverse backgrounds.

Needs: To manage increased security requirements with fewer resources, and to eliminate missing video problems.

Quote: "Simply put, the problem of missing video evidence is no longer a problem with the Viakoo solution, and we need only two people to manage the entire system". Chief Lester Fultz, Division of Safety & Security, Cleveland Metro Schools.



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