Changing Requirements Are Driving Modernization in Educational Environments

The nature of school security has changed dramatically over the last decade. Recent high-profile incidents have demonstrated the need for tools that improve both the school’s and law enforcement’s ability to prevent, quickly respond to, and mitigate security breaches, driving administrators to seek out the most effective systems to provide physical security and protect their students and staff.

Modern educational environments, ranging from large universities to rural school districts, use video surveillance and a host of other physical security applications to protect faculty, staff, students, and facilities, as well as to mitigate risk, prevent losses, and ensure compliance.

Campus environments are often a diverse assortment of buildings, sports facilities, systems, and grounds situated on multiple acres, presenting unique challenges to security managers and IT teams. The video data generated from an educational institution’s cameras, sensors, and other security applications is mission critical, the backbone of ensuring the safety of students, teachers, staff, and visitors. This requires having an infrastructure of storage, server, and data management solutions optimized for the resilience, scalability, and performance requirements of video surveillance and other critical physical security applications, as well as a vendor experienced in designing, deploying, and supporting solutions for these environments. There is also no one-size-fits-all solution for education campuses, so working with a vendor with a broad portfolio of solutions to ensure the solutions are designed for your specific needs is critical.

SOLUTION BENEFITS

- Manage Video Over its Lifecycle
  Quantum provides a comprehensive portfolio of solutions matched to how video surveillance data needs to be managed and enriched over its lifecycle so that the optimum performance, resiliency, economics, and access time is achieved for that point in its lifecycle.

- Reduced Risks
  Quantum technologies ensure security and safety are never compromised due to lost access to critical video, hardware failures disrupting video recording and playback, impact to the integrity of captured video, or unauthorized access to video and other data.

- Value for Your Investment
  Quantum employs the latest generation industry-standard hardware and innovative software-based intelligence for longer lifecycles and the best return on investment to help educational institutions stay within budget and achieve meaningful return on every dollar spent.

- World-Class Service and Support
  Our educational customers benefit from world-class, pre- and post-sale services provided by our global support organization, leveraging the experience gained from servicing tens of thousands of customers around the globe.
Providing a Solid Infrastructure Foundation for Campus Safety and Security

**VS-HCI Series.** In today’s reality, reliable video surveillance is critical to the operations of educational institutions. Quantum’s VS-HCI Series designed for mission-critical environments eliminates downtime, data loss or dropped video frames, meeting the demands for 24x7x365 security operations with advanced system-level resilience, predictive health monitoring, and non-disruptive updates and system expansion.

**VS-NVR Series.** For education scenarios where simple NVRs are appropriate, the Quantum VS-NVR Series offers a range of form factors, storage capacities, and performance based on the latest generation server hardware that are both easy to deploy and maintain. This includes an ultra-dense 4U 60-bay rack mount server for recording and retaining footage from hundreds of cameras for months or years.

**VS-A Series.** As security teams turn to analytics software to optimize both security and operational efficiency, Quantum’s VS-A Series provides a platform optimized for the processing requirements of today’s video analytics applications for both edge and centralized environments.

**ActiveScale™ Object Storage and Scalar® Tape Libraries.** Video retention times continue to get longer, increasing storage capacity requirements and leading to increased cost and complexity. Quantum has solutions optimized for automatically archiving video data in object storage, tape libraries, and the public cloud, plus software tools that automate the movement of cold video for long-term retention and protect it from cyber and ransomware attacks.

**Virtual SOC.** The Quantum Virtual Security Operations Center (SOC) delivers fully secure video streams and other security applications to any device, anytime, anywhere and overcomes the costs and complexity of managing individual physical desktops and workstations through a unified infrastructure of compute, storage, and virtual desktop technology.
Quantum’s Infrastructure Portfolio: Optimized for Surveillance and Physical Security

For over 40 years, Quantum has been a leader in high-speed video capture, storage, and processing. Our global customers include the world’s largest educational institutions, airports, transit systems, cities, gaming and entertainment complexes, and government agencies. By using software-based intelligence and automation, the latest industry-standard hardware, and our years of expertise in video capture and storage, we have built a portfolio of solutions optimized for video surveillance and physical security that deliver the resilience, performance, scalability, and economics required in these unique environments.

VS-NVR Series
Cost-effective network video recording servers.

VS-HCI Series
Hyperconverged infrastructure for video recording, storage, and hosting other applications.

VS-A Series
Servers optimized for video analytics, access control, management, and more.

Shared and Archive Storage
Scale-out file storage, object storage, tape, and cloud.

Quantum StorNext®
Video Management Platform reduces storage and protection costs and manages video over its lifecycle using automated policies.

Quantum Acuity
Hyperconverged Infrastructure Software Platform in the VS-HCI Series turns industry-standard servers into a resilient, scalable system of compute and storage optimized for video.

Quantum Cloud-based Analytics
The core of Quantum Distributed Cloud Services enables system admins and technical support personnel to monitor and proactively assess system health remotely.
Solutions for Safer Learning Environments

Key Advantages

- Complete portfolio to meet the specific requirements of video at all stages of its lifecycle and environments from small to large and from remote to centralized locations.
- Performance, resilience, and density designed for demanding video surveillance, IoT, and security applications, including the latest in sensors, cameras, analytics, and incident reporting.
- Simple, centralized management of systems distributed around the campus environment without specialized IT skills.
- Flexible scalability allows for growth without interruption as new security, video, and IT functions are deployed.
- Industry-leading archive solutions to cost-effectively address the requirements for long-term video retention.

Deep Technology Partnerships

Quantum has a long history of partnering with the leading video management, analytics, access control, and camera companies to jointly test, validate, and support mission-critical security solutions. You can be confident knowing the Quantum product you deploy has been validated as a total solution.

For more information about our video surveillance solutions, visit: www.quantum.com/surveillance