

INFRASTRUCTURE SOLUTIONS DESIGNED FOR SAFE AIRPORTS

Safer, Smarter Airport Security and Operations

Managing Large-Scale Security Systems in a Dynamic Environment

Airport security management and IT teams worldwide are challenged by a multitude of security, safety, and operational challenges. Tasked with building, deploying, and managing a largescale, distributed security system, airport security teams must account for critical security services, safety protocols, regulatory and policy compliance, operational efficiencies and changing business needs. In this extremely dynamic environment, managing costs and complexity must be carefully balanced with staying ahead of the curve on continuous operational improvements that rely on the latest safety and security technologies.

As more security teams in airports around the world partner with their IT departments to manage security infrastructure, it's increasingly important that decision-makers ensure the technologies they invest in integrate with existing systems, are based on modern IT technologies, employ video data security, and meet the requirements of physical security teams. Secure information sharing and access between multiple agencies, such as police, customs, the Transportation Security Administration (TSA), immigration officials, and emergency and medical responders, is paramount. Delivering value to airport business partners through enabling greater client engagement with video analytics and other security technologies is also becoming a part of modern airport operations.

SOLUTION BRIEF

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 latest-generation industry-standard hardware and innovative software-based intelligence for longer lifecycles and the best return on investment that helps transit systems stay within budget and achieve meaningful return on every dollar spent.
- **World-Class Service and Support**
Our 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.

Safe Airport Challenges

Video Management

Recording and storing high volumes of video data 24x7 with no frame loss

Real-time Insight and Response

Situational awareness, traveler monitoring, access control, and forensics

Business Requirements

Security and screening, gate management, concourse and ground operations

Integration

Emergency responder reporting, forensic reporting and event management

Long-Term Archive

Video retention for analysis, investigative, legal, and regulatory compliance

Safe Airport Requirements

Terminal

People, cell phone, and crowd monitoring; tracking persons of interest; employee authorization; incident tracking and reporting; baggage monitoring/authorization; retail and commercial security; mobile device tracking; digital signage; VIP management



Air

Flow control; personnel access; vehicle authorization; perimeter surveillance; airline operations; de-icing; remote facility surveillance; baggage handling

Ground

Vehicle authorization; restricted access zones; perimeter surveillance; offsite facility surveillance

Providing a Solid Infrastructure Foundation for Safe Airports

Whether you're looking for an entry-level network video recorder (NVR) for a small number of surveillance cameras, a large-scale server and shared storage deployment for thousands of cameras, or a long-term archive solution to preserve critical video over the years, Quantum employs the latest in software-based intelligence and hardware technology to provide the best solution for your airport safety and operational needs.

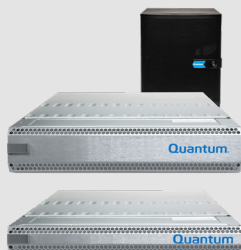
VS-HCI Series. Reliable video surveillance is critical to the operations of an airport. Quantum's VS-HCI Series designed for mission-critical environments eliminates downtime, data loss or dropped video frames, meeting the demands for 24x7x365 security operations with advanced system-level resilience, predictive health monitoring, and non-disruptive updates and system expansion.

VS-NVR Series. For scenarios where a simple NVR is 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 airports 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.

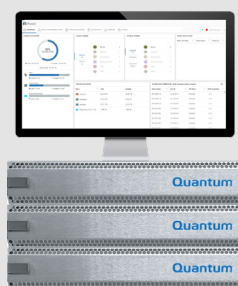
ActiveScale™ Object Storage and Scalar® Tape Libraries. Video retention times continue to get longer due to regulatory compliance requirements, increasing storage capacity requirements and leading to increased cost and complexity. Quantum has solutions optimized for automatically archiving video data 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. For the airport's Security Operations Center (SOC), the Quantum Virtual Security Operations Center 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.



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.



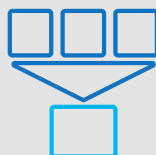
Shared and Archive Storage

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 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.

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 airports, transit systems, gaming and entertainment complexes, cities, education institutions, and government agencies. By using software-based intelligence and automation, the latest industry-standard hardware, and our years of expertise in video ingest, storage, and management we've 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.

Key Advantages

- Complete portfolio to meet the specific requirements of video at all stages of the 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 distributed airport resources without specialized IT skills.
- Flexible scalability allows for growth without interruption as new security, video, and IT functions are deployed.
- Industry-leading, long-term data archive solutions to address legal requirements for 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 deploy with confidence knowing the Quantum product you select has been validated as a total solution.

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

Quantum

Quantum technology, software, and services provide the solutions that today's organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum's end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

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