Hyperconverged infrastructure (HCI) has been adopted by data centers around the world, displacing monolithic virtualized servers because of an external or networked storage system fabric (NFS) due to its simplicity of deployment and management, scalability, and lower cost of ownership. In the physical security arena, Quantum is the only provider to vertically integrate for video surveillance and physical security workloads. The Quantum VS-HCI Series has been deployed successfully for over a decade in a wide variety of industries supporting mission-critical video surveillance environments. Other vendors with technology designed for general-purpose data center use virtualized servers on an HCI host-end system combined with an external storage system for video surveillance environments. These combo solutions do not address the demanding needs of mission critical video surveillance environments.

**SYSTEM MANAGEMENT**

Quantum VS-HCI Series

**Optimized for Video**

Quantum’s VS-HCI Series is optimized for both video surveillance and physical security workloads. The Quantum VS-HCI Series aggregates all the storage, server firmware up through the Pivot3 Acuity and Quantum Surveillance Series management across the entire system, from front-end video ingest and video surveillance workloads in mind, opening up video playback, video is high bandwidth, write intensive and subject to bursts of activity. The industry requires a platform that can adapt to the changing nature of video workloads without adding complexity.

Quantum’s VS-HCI Series is designed specifically for video surveillance and physical security storage. This is one system, 100% optimized for video, not a “hybrid” or “general purpose” system. The Quantum VS-HCI Series has been deployed successfully for over a decade in a wide variety of industries supporting mission-critical video surveillance environments.

**For Video Surveillance and Physical Security Workload**

Quantum’s VS-HCI Series is the only vendor to provide an HCI solution optimized for video surveillance and physical security workloads. The Quantum VS-HCI Series has been deployed successfully for over a decade in a wide variety of industries supporting mission-critical video surveillance environments. Other vendors with technology designed for general-purpose data center use virtualized servers on an HCI host-end system combined with an external storage system for video surveillance environments. These combo solutions do not address the demanding needs of mission critical video surveillance environments.

**SCALABILITY**

Quantum VS-HCI Series

**Simple to Scale**

Quantum’s VS-HCI system modularly and efficiently scales from small deployments to the largest enterprise-class data centers. Quantum’s VS-HCI Series is a two-tier architecture that requires resources for both the front-end video ingest and the back-end storage and video processing. The system is designed to handle bursts of data through dedicated pools of high-speed video ingest. This enables the system to handle billions of high-speed writes and to keep up with the rate of video ingest and the back-end storage. The system can be expanded by adding units, adding more powerful resource pools, or by scaling out the existing system footprint. This approach combines multiple product lines, using hardware for data center use cases with software for video surveillance.

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**VENDOR FOCUS**

Quantum VS-HCI Series

**One Vendor – One Solution – One Phone**

Quantum is the only vendor to provide a complete solution for video surveillance and physical security workloads. Quantum has been deploying its business practices across its Sales, Solution Architects, Engineering, Solutions Test, Professional Services, and Customer Support teams.

Quantum provides a complete solution for video surveillance and physical security workloads. This includes designing, deploying, and managing video surveillance infrastructure. Quantum has been deploying its solutions for over a decade in a wide variety of industries supporting mission-critical video surveillance environments.

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**COMPARISON**

**Optimized for Video**

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