High Performance, Scalable Storage Solution for Video Surveillance and Security

Video surveillance data continues to grow worldwide, and its management comes with unique storage challenges. Organizations are increasing the number of cameras, moving toward higher resolutions, and keeping their media assets longer. They also want to keep their storage costs down and they want the performance to access data quickly. In addition, many organizations are leveraging the value of video to improve business efficiencies.

Budgets often can't accommodate the cost of the performance and capacity needed, along with the desired level of protection. Optimal storage solutions for video surveillance demands have data protection built-in, which is not the case with traditional storage infrastructures. Data protection is built into Qumulo's solution, reducing cost and complexity, while ensuring availability and redundancy.

Unlimited Scalability and Performance

Qumulo file storage is purpose-built for demanding, data-intensive video workloads of any size. Providing a simple to manage scale-out architecture gives you control to add commodity disk capacity and storage when and where you need it, to support hundreds or thousands of surveillance devices, locally or regionally. Qumulo scales via Ethernet-attached storage and processor nodes, which can be automatically incorporated into an existing file system without downtime, which is ideal for integration with video management solutions.

The Most Efficient Storage Solution for Video Surveillance

Unlike traditional storage, Qumulo assures the most cost-effective, fail-proof data protection for small and large files with the use of erasure coding. Unlike many legacy systems that employ triple replication to protect data, with Qumulo your data is protected with minimal storage overhead. Plus with Qumulo, you are always able to fully utilize the capacity you pay for. Many file system solutions reserve 15-20 percent or more of the purchased capacity for system administrative tasks; however, with Qumulo, organizations can use 100 percent of the usable capacity purchased.

Benefits & Features

Scale to larger storage capacities seamlessly and cost-effectively

- Linear scalability to incrementally support higher storage capacity and performance
- Utilize commodity storage to optimize your budget for the most performance and capacity possible

Efficient and secure nearline archive storage to support longer retention times

- Use of erasure coding provides the most cost-effective, fail-proof data protection
- Get the most out of your investment, leveraging 100 percent of the purchased capacity for storage (unlike other storage systems which reserve 15-20 percent capacity for management tasks)

Store and manage assets centrally from distributed file storage

- Stores all data in a single namespace for centralized access. As you add more cameras, increase resolution or extend retention requirements, adding performance and capacity is simple.

Scale to accommodate future growth

- Supports future growth needs to integrate additional geographic locations or cloud environments

Improve business efficiencies

- Real-time insight make it easy to ensure all users and cameras achieve the required performance and quality of service for your organizational demands

Unsurpassed Data Reliability and Protection

With the Qumulo video surveillance storage solution, all content is quickly and reliably ingested and stored in an environment that is fully protected from failures and data loss, and readily available for playback, analysis and distribution.

Qumulo protects all content using erasure coding. This delivers superior levels of availability and security protection. It is a backup-less storage solution with the ability to automatically recover from hardware failures.

Real-time Insight Provides Data-Aware Intelligence

Administrators can use Qumulo's cloud-based access to monitor real-time performance, capacity, and usage of the video surveillance storage solution to gain insights to manage issues before they occur, and efficiently make decisions for future growth.
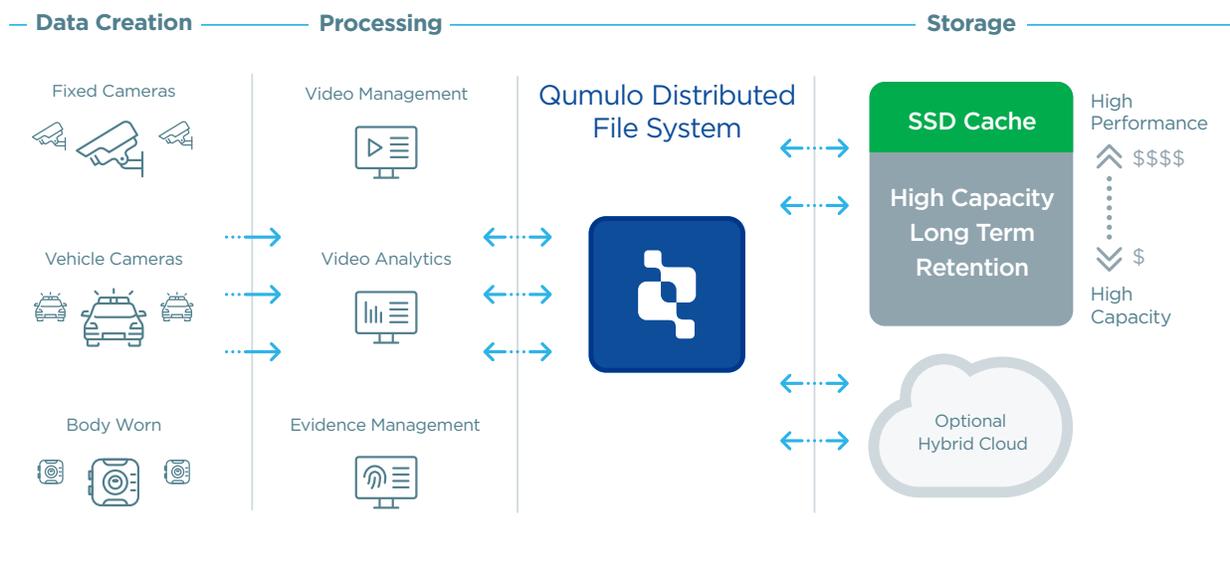
Accessibility to All Video Surveillance Assets

Qumulo stores all data in a single namespace, giving organizations access to petabytes of data simply and easily. With this capability, you will never have to try to figure out which camera data is being stored on which logical unit.

Qumulo Provides a Path to the Cloud

Qumulo software was designed from the ground up to allow you to seamlessly scale to private or hybrid cloud environments, as and when needed to support future growth.

Video Surveillance Workflow

About Qumulo

Qumulo is the pioneer and leader in file storage for the modern era. Qumulo gives data-intensive businesses the freedom to store, manage, and access petabytes of data at a global scale. Qumulo serves the modern storage needs of today's rapidly evolving video surveillance infrastructures. www.qumulo.com

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