Simplified Surveillance for a Complex World

One-stop solution for all your surveillance needs – from camera to cloud

The surveillance landscape is rapidly transforming due to the emergence of new kinds of devices, new possibilities, video requirements, higher resolutions, longer video retention times, plus increasing data and storage requirements. To accommodate these advances, organizations now need a surveillance solution that is enterprise-class, meaning it can integrate surveillance data as well as business data, while being resilient, scalable and reliable.

Dell Technologies IoT Solution for Surveillance is a software-defined infrastructure system with tightly integrated compute, storage, networking and virtualization resources that improves system performance and lowers total cost of ownership – allowing you to reach time-to-value faster. It is purpose-built to a complex camera-on-cloud infrastructure with support for demanding, mixed data sources including video, audio, barometric pressure and more.

Built by the #1 global infrastructure provider for surveillance[1], the Dell Technologies IoT Solution for Surveillance is both simple and sophisticated, and provides:

- A pre-integrated, pre-tested, lab-validated solution using your own software and data

- An end-to-end solution that's ready to run on day one

- Designed-in security that's more secure than the competition

- Scaling capability from hundreds of cameras/sensors to thousands

- A flexible and open architecture that's ready to adapt to changing demands

- Easy integration with existing business applications

[1] Josh Woodhouse, "Enterprise & IP Storage Used in Video Surveillance Report - 2019," abstract, IHS Markit, (February 2019).

Key Benefits

Automated Deployment

- Reduce deployment time from days to hours in just a few clicks
- Add more workloads by deploying VMs, and gain best practices architecture automatically

Massive On-Demand Scalability

- Scale to PBs modularly, plus grow up to 1,000+ cameras/sensors in minutes
- Support on- and off-prem cloud storage, plus tiered storage capabilities for any budget or workload

Centralized Management

- Eliminate management and load balancing of disparate LUNS and volumes
- In just a few clicks access a dashboard to iDRAC and ESXi managers

Minimize Downtime / No Data Loss

- Increase system reliability, availability and fault tolerance with trusted, proven tech
- Optimize response of overall system for workloads supporting search, playback and machine learning

Dell Technologies IoT Solution for Surveillance meets the challenges of a rapidly evolving environment with enterprise-class infrastructure that can transport large amounts of data very quickly, enable powerful computing with higher data storage and scalability, and offer built-in security that integrates with business applications.

Additionally, the custom orchestration and automation provides a fully-integrated configuration and leverages VMware and Dell Technologies systems. This solution handles the largest workloads with the most important data.

IoT Solution for Surveillance

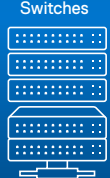| Tool	Benefit
• Automate installation of VMS Note: Only for this release of Genetec and Milestone • Automated installation and configuration of hyperconverged infrastructure	• Significantly streamlines setup of new surveillance deployment • Reduces the need for new training for surveillance teams • Takes care of installation and configuration at setup and on an ongoing basis for all your storage and compute needs • Ensures your hardware and software components are up to date • Reduces dependency on specialized IT services for startup • Lowers risk of potential hardware-malfunction issues stemming from data loss

IoT Solution for Surveillance

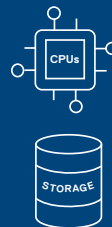Edge sensor data generation

VMware Pulse   /   EdgeX Interface

Networking Switches

The Data Center with VMware's software-defined storage orchestration and automation

VMS Recording agents/ analytics

CPUs

STORAGE

ECS/Isilon

Multi-cloud

Learn more about Dell Technologies Surveillance Solutions

Contact a Dell Technologies Expert