Transforming Enterprise Surveillance for Reduced Risk

Advances in surveillance technologies are driving an explosion in data – by 2020, video surveillance is expected to reach 3.3 trillion captured video hours globally.1 Across industries – government, transportation, stadiums, healthcare, education, and retail – these advances deliver the ability to improve security with facial recognition, anomaly detection, digital evidence management, loss prevention, and more.

The challenge is how to best manage, analyze, share, and secure the volume of data coming from body worn and vehicle mounted video cameras, drones, license plate readers, audio/video reconnaissance, higher resolution video cameras, longer retention times, and the growing opportunity to integrate video and IoT data. To meet evolving requirements, organizations are rethinking surveillance data and application management strategies with architectures that are open, scalable, and enterprise-ready.

Across the globe, Dell EMC is uniquely positioned to deliver a robust portfolio of surveillance solutions built with best-of-breed Dell EMC storage, networking, compute, client, security and virtualization technologies, integrated with an extensive partner ecosystem. Disparate data sources feed into the surveillance infrastructure layer comprising distributed, centralized, and cloud architectures, and are enhanced by tested and validated partner solutions built to simplify surveillance and deliver faster time to value.

1 https://www.meritalk.com/study/video-vortex
Dell EMC offers a portfolio of solutions, products, and services to transform enterprise surveillance and manage surveillance in the data center, including certified solutions with leading Surveillance Partners. Solutions include:

- **Video Surveillance Storage, Compute, and Network** – Efficiently manage massive amounts of video surveillance content
- **Video Surveillance Virtualization** – Create an open platform and future-proof investments
- **Video Surveillance Management Software** – Reduce complexity with proven solutions and a “test to fail” philosophy

Surveillance video is valuable data. Digital evidence is growing exponentially, and interoperability and analytics is crucial. Solutions include:

- **Surveillance Data Lakes** – Analyze and identify patterns and anomalies critical for rapid threat mitigation; manage surveillance data from multiple sources and in multiple formats
- **Body Worn and Vehicle Video Evidence Management** – Ensure the viability of valuable evidence through secure capture of mobile video and audio based on trigger events, automatic wireless uploads to a data center, and secure, quick, and seamless retrieval

Protect surveillance data from cyber and physical threats – ransomware, APTs, DDOS attacks, insider threats, and more. Solutions include:

- **Certificate Management for Video Endpoints** – Including audit trails, ensuring surveillance cameras cannot be used to attack customer networks
- **Advanced Data Protection** – Improve backup efficiency and surveillance data recovery times, on-prem, and in the cloud. Create isolated, off-network copies of critical data unalterable and secure from lockout by cyber hackers
WORKFORCE TRANSFORMATION

Surveillance teams managing input from 4K cameras and IoT devices need powerful tools to take advantage of high-resolution video and other data. Solutions include:

- **4K Monitors and High Performance Workstations** – Provide best-in-class 4K monitors that ensure the highest resolution image when needed, and high performance workstations with the horsepower to view new 4K video
- **New Interfaces to Video Canvas/AR/VR** – Enable more productive and efficient digital workflows and improved video integration with the new Dell Canvas solution, plus augmented and virtual reality

DELL EMC SURVEILLANCE SOLUTIONS


DELL EMC VIDEO SURVEILLANCE INTEGRATION LAB FOR TESTING AND VALIDATION

Dell EMC manages the largest, longest running IT infrastructure video surveillance labs in the world, dedicated to testing and validating video surveillance solutions and solution integration.

Proven lab validations with key partners are accompanied by extensive documentation to simplify deployment and reduce risk of video loss for customers. Armed with our partnerships, lab resources, services, and industry experts, Dell EMC is your leading strategic partner to move forward your enterprise surveillance strategy.
LEVERAGE DELL EMC’S ROBUST PARTNER ECOSYSTEM

Dell EMC’s robust partner ecosystem of surveillance software providers, evidence management, analytics, and OEM partners work side by side with surveillance teams around the world to build and deploy modern surveillance infrastructure.

We combine industry-leading capabilities, global expertise, best practices, and lab capabilities to deliver jointly engineered, tested, certified, and pre-integrated solutions that enable our customers to reduce risks and protect what matters most.

WHY DELL EMC FOR SURVEILLANCE?

- **#1 Industry’s top surveillance infrastructure 2010-2016**
- **#1 Industry’s top surveillance ecosystem**
- **50+ countries around the world have major installs of Dell EMC video storage**
- **Most advanced, longest running video surveillance validation lab in the world**
- **2 million+ cameras captured, and 160 petabytes of video on Dell EMC**
- **Industry’s first data lake architecture for surveillance**

Learn more about Dell EMC solutions

Contact a Dell EMC Expert