



Dell EMC Surveillance Validation Labs Protecting what matters to make the world safer

Securing devices, data, and infrastructure in an increasingly complex surveillance and IoT landscape is essential to protecting the world's most populated cities, venues, and people. Rapid technology advancements, regulation requirements, and government initiatives are driving many organizations—including government, global banking, retail, manufacturing, city surveillance, and hospitals—to look for tools and capabilities that can accelerate their time to deployment for surveillance solutions.

As the #1 infrastructure provider of global surveillance solutions,* Dell EMC is uniquely positioned to provide testing and validation of surveillance solutions and necessary integration support. Our dedicated engineering teams help bring together the edge, core, and cloud components in an environment that provides lab-validated solutions to our customers. Validation testing reduces risk across a multitude of factors, including virtualization, platform benchmarking, sizing, network security, physical security, and big data analysis.

Why do you need a lab-validated solution?

Validating surveillance solutions for hardware and software performance within the customer environment can be complex and time consuming. Dell EMC Surveillance Labs are outfitted with leading technology from all major surveillance vendors, allowing us to validate all best-of-breed physical security applications with Dell EMC's portfolio of products and solutions. These proven lab validations with key partners accompany extensive documentation to simplify deployment and reduce risk of video loss for our customers. Our validation process helps:

- Reduce your deployment risks
- Increase system reliability, thereby reducing overall support costs
- Gain a proven, repeatable architecture
- Get benchmarking results using a true production workload that produces a zero-data-loss system
- Test multiple ISV products simultaneously with our fault tolerance and high availability options and validate virtual and non-virtual architectures

* October, 2017, IHS Markit Report

Leverage our global surveillance validation labs, IoT labs and solution centers

Surveillance validation lab locations:

- Durham, NC
- Limerick, Ireland
- Bangalore, India

Lab advantages:

- Global, dedicated Surveillance labs
- Dedicated Surveillance Engineering team
- More than 50 years combined test experience
- Test-to-fail philosophy reduces risk



Validation Process

Extensive testing simulations with a broad portfolio of hardware and software uncover data loss issues and provide remediation measures that improve deployment and speed of adoption.

Hardware & Software Validations

- Virtual/Non-Virtual
- Best Practices
- Compute
- Networking
- Storage
- ISV Application

Testing types

- Functional Compatibility
- Performance Baseline

Error testing

- Storage and Server Failures
- Network Failures

Remediation capabilities

- Log Review
- Zero-Data Loss

Testing results provided

- Reference Architecture
- Best Practices
- Sizing Guideline

“With the solution from Dell, we can guarantee 100% uptime, no data loss and no service disruption, which means maximum business continuity. This is an outstanding level of reliability.”

– Enzo Palladini, Sales & Engineering Office Manager, Bettini Video



Our Comprehensive Surveillance Testing Approach

Dell EMC's proactive approach to solution validation helps our partners and customers design a solution that's seamless and can scale to meet future requirements. As part of validation support, the Dell EMC Surveillance engineering team provides solution documentation including reference architectures, white papers, technical notes, sizing guidelines and technical presentations.

Our Mission

Surveillance and IoT solutions are evolving at a pace most businesses can't keep up with. Rapid technology advancements, regulation requirements and government initiatives are forcing the road to quick adoption. Dell EMC is at the forefront of this trend and has built dedicated engineering teams and validation labs, designed to help reduce the risk of surveillance transformation for our customers. Protecting what matters to make the world safer. That's what inspires our team. Every. Single. Day.



Our team helps customers ensure that their systems are sized correctly to capture data from a multitude of sources for analysis and retention purposes.

- Video streaming
- Metadata for AI
- IoT
- Post event forensics
- Archive retention
- Storage error recovery
- Real-time analysis
- User experts
- Automated reports



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