



Top Five Reasons

To Deploy IntelliFlash™ for Video Surveillance

It is no surprise that organizations want to do more with less – and over longer periods of time. They are looking to intelligent data infrastructure solutions to simultaneously – and continuously – address volume, velocity and variety.

And when it comes to video surveillance data, all three factors are growing exponentially. The volume of data in a single surveillance project – whether stationary or body worn, on premises or in the cloud – is moving from terabytes to petabytes, placing further stress on VMS and storage scalability. Data velocity is increasing from megabytes to gigabytes, with millions of IOs consuming more and more resources.

The need to support a variety of surveillance applications is increasingly critical, but many traditional systems do not provide the required flexibility. They are not designed to simultaneously manage large and small files or support both structured and unstructured data. Separate systems are almost always required to deliver performance at scale.

Forward-thinking enterprises have chosen IntelliFlash because it is the industry's most versatile Intelligent Infrastructure solution portfolio, accommodating rapid data volume growth, faster data velocity and a broad variety of data types. Businesses can run all their applications with maximum reliability and scalable performance on a single unified storage system with concurrent multimedia and multiprotocol support.

Organizations gain a differentiated combination of performance, intelligent insights, and time-saving management features to efficiently drive their most valuable enterprise workloads. AI-driven analytics and autonomous workload optimization simplify operations for effortless IT productivity and an exceptional user experience. It is no surprise – IntelliFlash lets your organization do more with less.



01

AUTO-PERFORMANCE OPTIMIZATION AT SCALE

All NVMe-Accelerated Storage with No Bottlenecks

IntelliFlash is the storage solution of choice to drive your performance-sensitive workloads without compromise. You get a certified NVMe storage system that delivers sustained headend performance for demanding video surveillance apps managing hundreds of high-resolution cameras.

You can reduce latency and increase throughput to maximize performance with a fully optimized IntelliFlash software stack and innovative flash management. Automatic workload isolation eliminates bottlenecks while patented intelligent caching gives your VMS and security apps ultra-fast data access and strong access control – even at multi-petabyte scale.

04

DYNAMIC DATA MOBILITY

Stationary or Body-Worn Accessibility and Protection

Video surveillance data often resides in multiple locations due to differing requirements for live and archived data. Enterprises need flexible solutions to optimize resource efficiency at scale, with integrated data mobility and protection for different deployment and industry compliance scenarios.

IntelliFlash extends its enterprise-grade data protection functionality to video surveillance and AI data, including simplified stationary or body-worn data accessibility – whether local, across multiple sites or in the cloud. For example, you can replicate local data to the cloud or to any S3 target for data protection and fast recovery of all video data. To optimize resources you can transparently move data between any two IntelliFlash systems. For additional flexibility, our turnkey DataFlow offering lets you plan, execute and validate data migration operations across 3rd party storage solutions.

02

HIGH-DENSITY DATA CONSOLIDATION

Unified Storage with Operational Simplicity

The exponential growth of video surveillance and analytics data can make it difficult to optimize your storage investments. IntelliFlash systems help tame rapid growth with self-optimizing unified storage that eliminates the need for separate systems, providing concurrent support for iSCSI, FC, NFS and SMB protocols, in both physical and virtualized environments.

IntelliFlash removes cost and complexity by providing centralized management of video surveillance application (VMS) data and consolidating multiple distributed CCTV environments in a single system. These intelligent storage systems are among the industry's most versatile and easiest to operate and monitor, simplifying storage and security management. They can be deployed and administered by non-storage experts and include all features under a single license.

05

FAST, INTUITIVE DATA AND INSIGHTS

A Single View to Optimize Your Surveillance Environment

Your most demanding workloads deserve uncompromised performance – especially when they are key to your business success. IntelliFlash N-Series combines the power of NVMe with software-optimized flash management, and robust enterprise data services and analytics. This delivers exceptional performance at low latency with scalable capacity to accelerate your most demanding workloads.

Instead of managing multiple silos from different storage vendors, you can deploy IntelliFlash N-Series systems and select NVMe or other flash expansion shelves as dictated by your application performance, capacity, and economic requirements. Plus, you can manage all your IntelliFlash systems with the same administrative workflows and easy-to-use GUI.

03

NON-DISRUPTIVE DATA AVAILABILITY

Fully Redundant Battle-Tested Architecture

Today's video surveillance applications are expected to be accessible at any time, with little-to-no tolerance for slowdowns or outages. IntelliFlash systems let your IT staff, security operators and other stakeholders sleep at night, knowing they have got the industrial strength and reliability needed for always-on data streams.

These systems are built on a fault-tolerant, self-healing architecture that runs the most demanding video surveillance environments in the world, with a design that eliminates any single point of failure.

For more information on how DDN IntelliFlash systems can turbo-charge your business success with simplified Intelligent Infrastructure, visit www.ddn.com/intelliflash.