



## Solution Brief

# Axis and NetApp Partner for Enterprise-Class Video Surveillance Deployments

### Key Benefits

#### Enterprise Video Surveillance

- Leverage superior image quality for better, faster decisions, and improve accuracy for manual or automated analysis.
- Capture and securely distribute video over any public or private IP network with a simple and comprehensive solution.
- Easily integrate your existing analog system with products that bring it up to speed with the latest IP technology.

#### Flexible and Efficient Support for High-Bandwidth Video Surveillance Environments

- Support high-definition and 4K environments with reliable data availability and high performance.
- Grow your storage with a high-density modular block design for large-scale capacity and seamless expandability.
- Simplify management by standardizing on a single storage platform with an intuitive user interface for all your video requirements.

### The Challenge

From on-body police cameras to 24/7 monitoring of major transportation hubs, video has become a strategic source of information, insights, and intelligence. Cities all over the world are mounting video surveillance cameras to keep constant watch on streets, subways, mass transit, parks, and other public places. These new intelligent video surveillance cameras and analytical applications are capturing more evidence than ever, generating an increase in bandwidth requirements, write speeds, and storage capacities.

The volume and size of media content are expanding greatly as resolution and retention requirements increase. But compromising on the quality of your equipment to cut costs can leave you open to outages and can actually increase your TCO over time. Off-the-shelf solutions are not one size fits all. But working with physical security integrators who don't understand the enterprise IT solutions needed for today's sophisticated cameras and video management software can be a frustrating process.

### The Solution

Together, Axis Communications and NetApp enable customers to achieve the most comprehensive video surveillance deployments available. Combining state-of-the-art Axis® cameras and NetApp® enterprise video surveillance storage with your VMS of choice results in an unsurpassed solution for medium to large camera environments.

### Axis Cameras

Axis offers a wide portfolio of products for professional IP video surveillance. Axis cameras provide unique capabilities for delivering high-quality video, even in difficult light conditions and total darkness. And they're built to withstand tough environments, including extreme heat and cold. With Axis' trusted and industry-leading network video products, you can remotely and cost effectively monitor and protect people, places, and assets and secure sites with the help of alarm information and video motion detection.

Axis security cameras, video encoders, accessories, video management software, and access control products are based on open industry standards and integrate easily with standard video management and emerging analytics software. In addition to providing an open platform for partner analytics, many Axis cameras come with built-in intelligent features such as motion detection, audio detection, and tampering detection.

## NetApp E-Series Storage Systems

NetApp E-Series storage offers a complete line of external storage systems designed to meet your current and future security challenges by delivering unprecedented speed, reliability, and cost efficiency with systems that are easy to manage and easy to grow.

NetApp E-Series high-performance storage meets the needs of media workflows that require large amounts of raw bandwidth. Built on a fault-tolerant design that is proven to deliver greater than 99.999% availability, E-Series systems offer the enterprise-class reliability you need for your critical video surveillance deployments.

The E-Series ultradense system design can support more network cameras per rack unit at any resolution and retain surveillance archives indefinitely. Easy to deploy and easy to maintain, E-Series storage systems use a modular architecture that offers a true pay-as-you-grow solution to future-proof your video surveillance solution.

NAS that uses scale-out file systems can leave your data vulnerable to direct access through their TCP/IP network connection. With a SAN device like E-Series, the file system lives in the operating system on the recording server, providing an extra layer of data security. In addition, the complexity of scale-out file storage allows potential catastrophic failure or unauthorized access that could compromise all cameras in the cluster.

The E-Series building-block approach offers functional isolation, protecting against total unavailability of data. This compartmentalization is particularly valuable for video surveillance environments in which safety and security are paramount.

## Axis and NetApp: Better Together

Together, Axis network video systems and NetApp E-Series storage systems can support the heavy computational workloads and bandwidth-sensitive streaming environments of emerging video surveillance technologies, such as intelligent high-resolution cameras and video analytics. With Axis and NetApp, you can:

- Reduce management overhead with a simple, easy-to-use infrastructure in a centralized environment
- Reduce NVR instances and optimize camera settings
- Leverage your investment in video cameras and networks to generate business insights through video analytics
- Follow details and changes in images more closely through a combination of superior image quality and high-speed storage
- Enable anytime, anywhere access to real-time video from any authorized computer

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### About Axis

Axis is the market leader in network video. We invented the world's first network camera back in 1996 and we've been innovators in video surveillance ever since, increasing the security of millions of people worldwide and helping to meet the growing need for a smarter, safer world. With the help of 90,000 partners, spanning 179 countries, we've delivered a series of groundbreaking products and many industry firsts. And, we look forward to pioneering many more. For more information, visit [www.axis.com](http://www.axis.com).

### About NetApp

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation and optimize their operations. For more information, visit [www.netapp.com](http://www.netapp.com). #DataDriven