



# Scality RING for Digital Video Surveillance Storage

## Video technology innovation will enable even more DVS use cases

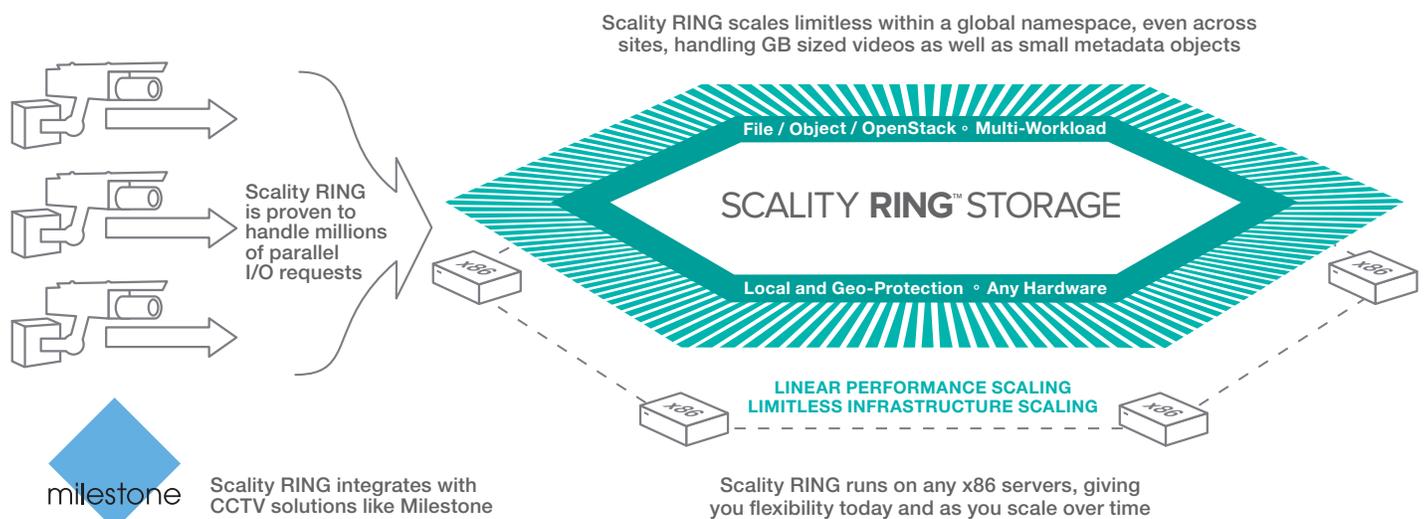
Video surveillance cameras have evolved from systems once dedicated solely for recording and monitoring, to powerful means of data collection. Innovations in HD surveillance across IP networks are creating opportunities to integrate more intelligence into cameras so that footage can be captured, analyzed, and tagged in real time. Embedded video analytics and IoT technologies in particular will continue to create new use cases and applications.

Innovation in DVS surveillance and IP camera technologies is not very different from broadcast video, even though they often serve a different purpose; HDR (High Dynamic Range) and Ultra HD (4K and up) enable the capture of more details and better face recognition; Multi-lens 360/720-degree cameras allow to capture every angle at all times, very suitable for monitoring of wide indoor areas; High frame rate cameras enable new applications such as license plate capturing or bills flipping through an ATM money counter.

## Scality RING enables unlimited, high-performance video surveillance archives on any x86 hardware

Designed as a scale-out storage solution for mixed workloads, the Scality RING is a perfect solution for a wide range of video surveillance use cases including scale-out archives to just store video, geographical distributed storage clouds to ingest footage from multiple sites and a high-performance storage infrastructure that enables video analytics.

The Scality RING offers a software-based storage solution that lets you **grow your storage infrastructure** linearly **from petabytes to exabytes** and billions of objects without locking you into hardware. The RING offers low latency and high throughput to provide **excellent accessibility** to all your content. The combination of scalability and performance allows consolidation of data and aggregation of video workflows into a single, **highly available, highly durable** platform.



## DVS has become an enterprise storage application

DVS used to be outside of IT. Video surveillance equipment was acquired and deployed on local storage. Based on the number of cameras, the video resolution, the bandwidth, and the application, DVS infrastructures would store the footage on a local SAN or NAS, sometime with tape as an archive. Today, DVS projects have become big IT projects. Due to better camera technologies and cutting edge use cases that include video tagging and analytics, the storage requirements for many DVS projects have changed drastically. IHS predicts that by 2017, surveillance cameras will globally produce 859 petabytes of data per day!

## Case Study: Major Cosmopolitan Police Organization

The key use case for video surveillance remains law enforcement. Think of video surveillance at including malls, hospitals, ATMs, office buildings, streets, schools, and public transportation, among other places. Video surveillance cameras capture and store countless hours of video data, enabling law enforcement to become better equipped to deter crime, expedite investigations and prosecute offenders.

The Police Department of one of the world's largest cosmopolitans has deployed thousands of surveillance cameras equipped with Automatic Number Plate Recognition (ANPR) technology. Such technology can be used to help detect, deter and disrupt criminal activities at a local, regional or national level, including tackling traveling criminals, organized crime groups and terrorists.

Each time a car passes one of the ANPR cameras, the license plate is checked against a database that contains records of cars that have been associated with criminal activities. If such a car is detected, police officers in the area are informed and can intercept and stop the care, check it for evidence and, where necessary, make arrests.

The Police Organization chose Scality as the backend storage infrastructure because the RING enables straightforward integration with the current application, as well as potential future surveillance applications. The RING met all performance requirements and demonstrated it could handle ingest from thousands of geographically distributed cameras.

## Scality Video Surveillance Partners



Milestone Systems is the global industry leader in open platform IP video management software. The XProtect platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for the Scality RING, XProtect provides best-in-class solutions to video enable organizations – managing risks, protecting people and assets, optimizing processes and reducing costs.



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