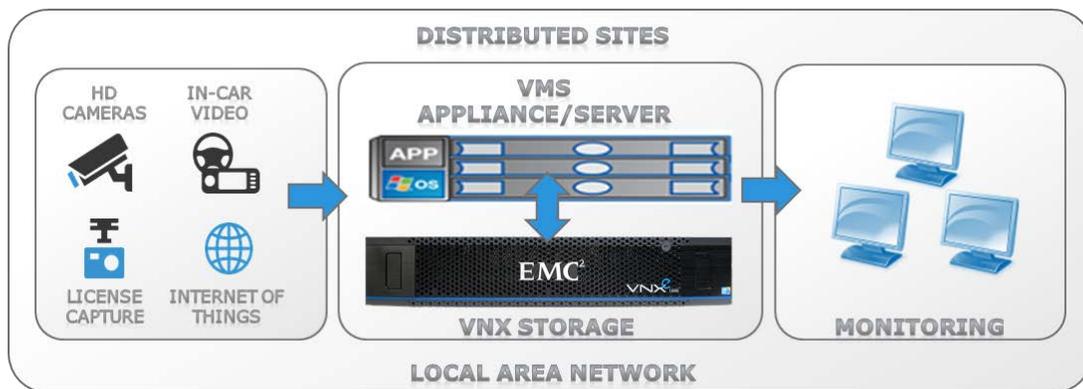


TOP REASONS WHY CUSTOMERS DEPLOY VNX STORAGE FOR DISTRIBUTED SURVEILLANCE

Distributed architectures store video and surveillance data locally and then periodically transfer the digital data set to the central platform. An example of this might be a 'satellite' police station that stores data locally in office, but from time to time transfers this data over to headquarters—the centralized location. Distributed architectures oftentimes integrate the data with applications and other systems, such as access control and intrusion detection, without engaging a central server. The resulting architecture reduces single points of failure and distributes processing requirements over many, smaller sites. EMC's VNX-VSS surveillance storage for highly distributed environments present unique advantages and differentiators in the industry including low \$/GB at scale, high bandwidth, auto-configuration and load balancing, and award-winning management.



1 DISTRIBUTED STORAGE ARCHITECTURE

EMC® VNX-VSS® storage is based on the industry-leading VNX technology. It's purpose-built for highly distributed (and unattended) environments with unprecedented reliability, 'plug & play' simplicity, and entry level affordability –to handle the demanding surveillance workloads in City Surveillance, Government, and Transportation markets. The VNX-VSS block-based storage non-disruptively scales to 480 TBs, includes proven five-9's availability, supports iSCSI and FC protocols, and delivers up to 500MB/sec bandwidth performance supporting 100's of cameras.

2 PLUG AND PLAY SIMPLICITY

VNX-VSS are straightforward systems that provide operational simplicity. VNX-VSS includes automated configuration and load balancing capabilities when new drives are added – distributing workloads across multiple disk drives to optimize resource use, maximize throughput, minimize response time, and avoid overload of any single resource.

3 EASE OF MANAGEMENT

EMC Unisphere Central™ is the single management framework for remotely managing multiple VNX-VSS storage systems across a distributed environment. Unisphere provides simplicity,



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flexibility, self-help, and automation for easily managing surveillance storage created from a few to hundreds of cameras. Unisphere includes features like single sign-on, multi-box monitoring and reporting, virtualization integration, detailed dashboard views, and customized reporting capabilities.



4 VIRTUALIZATION OPTIMIZATION

VNX-VSS systems are highly optimized for virtualization with multiple points of integration for VMware vSphere and Microsoft Hyper-V. These integrations include VAAI and VASA with VMware and ODX and SCO with Microsoft—ensuring the successful deployment and operation of virtualized video management software applications.



5 TESTED, VALIDATED, DOCUMENTED

VNX-VSS storage systems are rigorously tested and validated with leading Video Management Software (VMS) applications in EMC's global IT Surveillance Labs – the longest running in the industry with over 50 years of combined distributed and centralized surveillance expertise. The results of the testing include comprehensive technical documentation including Sizing Guides, Reference Architectures, and Best Practices that proactively facilitate the deployment and configuration of VNX-VSS storage.



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