

HPE MSA 2060 STORAGE FOR MILESTONE XPROTECT

Perfect storage for video surveillance

HPE MSA 2060/62 hybrid storage solutions provide rock-solid storage for video surveillance. HPE MSA Gen6 offers a portfolio of arrays, drives, and options that deliver a common set of features that are beneficial for video surveillance, including:

- **Dual-controller, two-pool, active/active design architecture:** Delivers the resiliency, application availability, and uptime required for SAN-based storage
- **Gen6 RAID acceleration ASIC and controller design:** Up to 50% performance improvement compared to HPE MSA Gen5, lowering system latency and improving user productivity
- **12 Gb SAS midplane:** End-to-end high-performance communication between the controller and all connected media
- **Wide range of SFF/LFF media options:** Offers the customer a choice in media and the ability to balance budget against performance needs
- **Expand storage capacity with a choice of SFF and LFF disk enclosure options:** Grow-as-you-go capacity expansion to help ensure a long and useful life for your storage array
- **Self-encrypting drive (SED) options for SSD and HDD media:** Add an additional layer of security to protect against data theft
- **HPE MSA-DP+ data protection:** High-performance RAID technology that significantly improves performance, availability, and rebuild times compared to traditional RAID types
- **HPE MSA Health Check:** Cloud-enabled utility that uses system logs to analyze the health of your HPE MSA system

Flash-ready hybrid storage systems designed to deliver hands-free and affordable storage for demanding video surveillance workloads

INEXORABLE GROWTH IN VIDEO SURVEILLANCE STORAGE

The storage demand for video surveillance has never been higher.

According to Comparitech, there are 770 million cameras worldwide.¹ To increase security, the use of video surveillance solutions continues to grow.

The reasons for the high storage demand are many:

- Legal requirements prescribe how long video data must be stored. Common retention times are 14 to 30 days, with extended retention up to 365 days or more. These longer retention times result in larger storage capacity requirements.
- To capture more information, higher-resolution cameras are used. With the higher-resolution cameras, more detailed videos are being captured. These high-resolution videos require more storage capacity.
- More information is also being captured as a result of the increased number of low-cost IP cameras. With more cameras, a larger area of surveillance is covered, which requires more storage capacity.
- A video surveillance solution requires scalable and centralized video management software along with a simple-to-manage, scalable, secure, and affordable storage solution.

PARTNER SOLUTION

With Milestone XProtect as the foundation of your video surveillance, you have the freedom to build the entire system just the way you like it. Built on an open-platform architecture, it enables you to customize your surveillance system and integrate other business applications into it for increased usability and performance.

HPE MSA Storage—the scalable, secure storage platform that stores all your video data and makes it available whenever needed. HPE MSA Storage strikes a balance between budget, performance, availability, and simplicity with your IT portfolio.

TRANSITION TO AFFORDABLE HYBRID-FLASH STORAGE

Choose your point of entry

For dynamic workloads, select the HPE MSA 2060. It provides the flexibility to scale both performance and capacity to meet video surveillance workloads.

To start with a hybrid-flash storage configuration, select the HPE MSA 2062. Combine an HPE MSA 2060 with two preinstalled 1.92 TB SSDs and an Advanced Data Services license. Use the HPE MSA as a shared storage device, configure the SSDs in a RAID 1 for the hypervisor or operating system, and use the other HDDs configured in a RAID 5 or RAID 6 configuration to store the video data.

¹ [comparitech.com/vpn-privacy/the-worlds-most-surveilled-cities/](https://www.comparitech.com/vpn-privacy/the-worlds-most-surveilled-cities/)

HPE MSA GEN6 STORAGE: FLASH-READY, HYBRID

HPE MSA 2060

- Two controllers per array
- Four host ports per controller
- 16 Gb Fibre Channel, 10GbE iSCSI (SFP+), or 12 Gb SAS connectivity
- Maximum 192 TB raw capacity (base)
- Add up to nine SFF or LFF disk enclosures for max capacity of 1.92 PB

HPE MSA 2062

- Flash-ready HPE MSA 2060 bundle
- 2x1.92 TB RI SSDs preinstalled
- Advanced Data Services license included

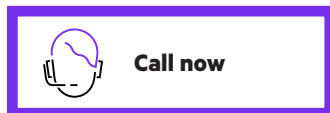
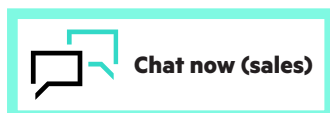
HPE MSA 2060 STORAGE IS VERIFIED BY MILESTONE

Milestone confirms that HPE MSA 2060 Storage passed Milestone's requirements for their video management software XProtect Corporate 2020 R3.

milestonesys.com/marketplace/hewlett-packard-enterprise/

² Based on HPE internal testing in comparison with prior-generation array, August 2020

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PRESERVE CASH AND EASILY BACKUP TO THE CLOUD WITH HPE MSA STORAGE

Accelerate apps, simplify management, meet your IT budget, and achieve enterprise-class reliability and effortless cloud backup with HPE MSA Gen6 storage. This new iteration of the entry-level storage array from HPE is an ideal choice for small- and medium-sized business. **Harness the power and simplicity of HPE MSA Gen6 storage.**

BALANCE BUDGET AND PERFORMANCE

Start small and scale as needed with any combination of solid-state drives (SSDs), high-performance enterprise SAS HDDs, or low-cost midline SAS HDDs.

The HPE MSA 2060 is capable of delivering 5400 MB/s sequential write and 8000 MB/s sequential read performance, in full HDD configuration. Performances are higher when using hybrid disk or all-flash configuration.

Expand as your IT grows

With flexible, modular architecture that facilitates future growth, the HPE MSA portfolio supports both LFF and SFF expansion enclosures to expand your storage capacity as needed. Up to nine expansion enclosures can be added to the HPE MSA 2060/2062 array.

REMOVE COMPLEXITY FROM YOUR STORAGE INFRASTRUCTURE

Intuitive user interface—no manuals needed

The HPE MSA Storage Management Utility (SMU) v4 supports system configuration with step-by-step guided workflows that help eliminate errors and dramatically improve the user experience.

Simplified dashboard offers at-a-glance storage management

HPE MSA SMU v4 management enhancements allow users to quickly access important system information including: alerts, capacity, performance, and activity.

Avoid unplanned downtime with a few simple steps

The HPE MSA Health Check utility simplifies the tasks required to regularly check the health of your HPE MSA storage system.

Redefine RAID-based recovery for entry-level SAN storage

HPE MSA-DP+ data protection brings significant improvements to traditional RAID technology, including up to 25x² faster rebuild performance (compared with RAID 6), removal of idle drive spares, and configuration expansion at a more granular level (with as little as one drive per add).

Milestone XProtect and HPE MSA Storage: Better together

For video surveillance deployments with 100 cameras to larger deployments with more than 1000 cameras, at remote locations or campuses, Milestone XProtect and HPE MSA Storage can build a solution for you.

Milestone XProtect is a global market-leading video management software (VMS) solution with +20 years in the market. XProtect has proven to be the right answer for more than 500,000 installations worldwide—from flower shops to universities, stadiums, and cities.

HPE MSA Gen6 hybrid storage solutions are the right choice to build a joint solution with Milestone XProtect.

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