



Scale-Out Grid Storage for Milestone XProtect®



XProtect Certification



-  **XProtect Corporate**
-  **XProtect Expert**
-  **XProtect Enterprise**
-  **XProtect Professional**
-  **XProtect Express**

At a Glance

- **Fast Online Access:** Each HYDRAsstor nodes comes with additional compute power and ensures additional bandwidth for smooth playback of surveillance videos.
- **Scalability:** With Milestone XProtect automatic archiving to HYDRAsstor's grid based storage, you have flexibility to grow from 1 to 165 nodes with 11.8 PB raw capacity.
- **Data Protection and DR:** HYDRAsstor provides protection against up to 6 concurrent disk/node failures with Advanced Erasure Coding and also supports disaster recovery with WAN-Optimized Replication.
- **Compliance:** HYDRAsstor supports new stringent regulations for security of surveillance data by providing Dynamic Data Shredding, In-flight and Data-at-rest encryption, SEC Rule 17a-4 compliant WORM data security.
- **No Migration required:** HYDRAsstor in-place technology refresh supports forever archive with no-forklift upgrade while changing resolution, retention period, number of security cameras.
- **Simple deployment:** Self-discovering capacity, plug and play storage via CIFS and NFS with 1G or 10G Ethernet

Overview

Increasing security concerns around the globe are driving demand for high definition video surveillance solutions and longer retention of videos. Higher number of camera feeds, migration from analog to IP, high resolution cameras, and video analytics all lead to exponential growth in networked video surveillance data, and increasing challenges for the storage administrator to keep up with data growth.

With traditional solutions it is difficult to get fast online access to archived video; while manually managing complex tape solutions results in higher costs and longer time to restore critical surveillance data.

NEC's HYDRAsstor - Certified Milestone Partner for Active Archive Storage

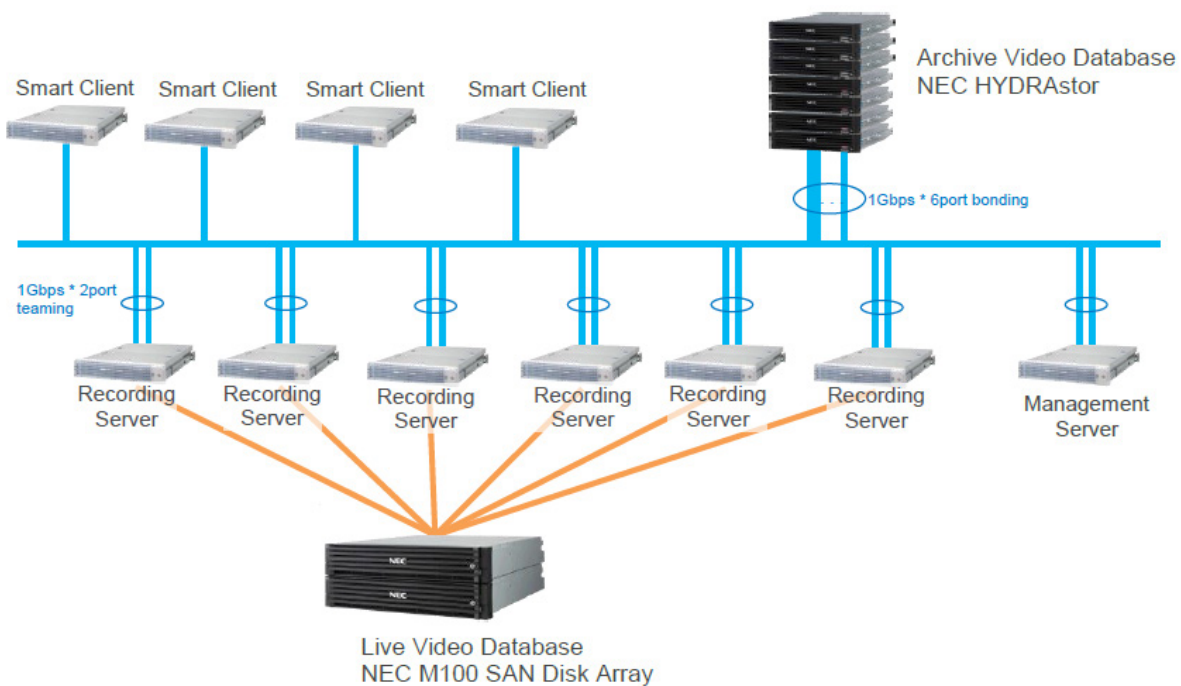
Milestone Systems is a global leader in providing open platform IP video surveillance software. Milestone has an easy-to-use, powerful video management software, used in more than 100,000 installations worldwide. Milestone XProtect® is an open architecture video management system (VMS) compatible with more IP cameras, encoders, and digital video recorders than any other manufacturer.

NEC provides server and storage infrastructure for running XProtect on NEC servers and storing archived video on HYDRAsstor that is all Milestone System's certified. NEC's solution will allow you to start small and scale up by adding incremental storage space with a scalable grid architecture. Milestone certification for NEC HYDRAsstor ensures our integrated solution delivers high performance, faster data access, near infinite scalability and rock solid reliability.

Solution Overview

The Archive Database is the long term storage location for Milestone XProtect, and the majority of video data resides in the Archive location. Video streams generated by security cameras are recorded first to the Live Database on the NEC M series SAN Disk via the XProtect Recording Server, and are later archived to NEC HYDRAsstor via 10G or 1G Ethernet.

HYDRAsstor ensures long term retention and advanced protection of the Milestone XProtect Archive DB while providing scalable performance. HYDRAsstor caters to rapid growing storage requirement of high resolution IP based cameras, larger camera counts and longer retention period with flexible grid architecture that can provide near infinite storage by adding new HYDRAsstor nodes to the existing grid, it also supports 3 generations of nodes in a single storage system which means there is zero data migration requirement and forever retention for the surveillance data.



Contact info

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For more information about Milestone, visit <https://www.milestonesys.com/contact-milestone/>.

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