

XProtect® Corporate Edge Storage



Ensuring the continuous availability of recorded audio and video in the event of network or server failure

Edge Storage is a safeguard feature for XProtect Corporate that allows cameras to function as failover devices and provides uninterrupted audio and video recording in the event of network or server failure.

With failover recording servers that minimize the risk of losing data, XProtect Corporate is an ideal solution for high-security installations. Edge Storage complements these failover servers by combining central storage in the recording server with local storage on the camera. Edge Storage is optimal for installations that demand continuous availability of critical video and for installations that have unstable network connections.

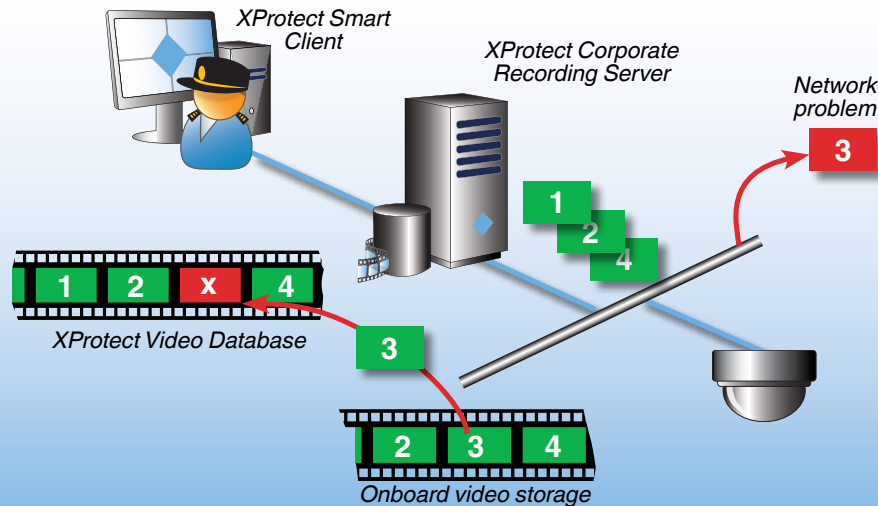
Solution overview

Embedded failover servers combined with Edge Storage ensure critical video data is always captured. XProtect Corporate's recording servers and associated cameras

record video and audio. The recording servers also continuously monitor connectivity to their associated cameras. In the event of connectivity failure, the servers do not receive any video data, however, cameras continue to record audio and video. After the malfunctioning primary recording server has been detected, failover servers start recording, but there may be a short lapse of video.

Edge Storage ensures no video or audio is lost because data is recorded onboard the camera. When network connectivity is re-established, the missing video and audio in the recording server is detected. Edge Storage enables XProtect Corporate to retrieve the missing video from the cameras' onboard storage and transfers it seamlessly to the recording server, providing a complete archive.

System diagram



The benefits of Edge Storage

Edge Storage provides an additional level of protection to ensure critical video and audio are never lost, some of its benefits include:

- Increased reliability for installations with cameras that are connected through a wireless or public Internet connection
- Seamless handling of data from mobile cameras mounted in buses, police cars and other vehicles
- Additional backup in the event of network or server failure by allowing the cameras to function as failover devices
- Works with cameras that support onboard storage from a wide variety of manufacturers

Example of Edge Storage benefits: Unreliable or unstable network connectivity

Edge Storage is an optimal solution for installations that have unstable network conditions, such as wireless connections. Under normal operations, both the recording server and camera record video and related audio. If network connectivity is lost, XProtect Corporate cannot receive any video data, resulting in missing video recordings. With Edge Storage, the camera continues to record and when the network connection is re-established XProtect Corporate retrieves missing sequences from the

onboard camera storage. This synchronization of the recordings happens automatically in the background, giving uninterrupted video recording.

Example of Edge Storage benefits: Planned server or network outage

Edge Storage is also beneficial during planned server outages, such as system maintenance. The process is simplified by allowing cameras to store video data while the recording server is taken out of service for maintenance. When the recording server is connected and operational again, the onboard storage is automatically retrieved and merged with the video data on the recording server, resulting in a complete video archive that can be viewed as normal recordings in XProtect Corporate.



System requirements

Edge Storage is available for XProtect Corporate 4 and later releases.

About Milestone Systems

Founded in 1998, 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 widest choice in network hardware and integration with other systems, XProtect provides best-in-class solutions to video enable organizations – managing risks, protecting people and assets, optimizing processes and reducing costs. Milestone software is sold through authorized and certified partners. For more information, visit: www.milestonesys.com

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