Tiger
Surveillance

High Availability for Milestone XProtect VMS Recording Server

Protect mission-critical surveillance infrastructure with zero-loss failover

For businesses where security is non-negotiable—airports, data centers, hospitals—surveillance downtime is not an option. High availability ensures your systems stay operational when it matters most, delivering 100% failure response success, uninterrupted live camera feeds, and instant access to previous recordings.

Surveillance HA for Recording Server

Surveillance HA is a software-only failover solution plugging directly into Milestone XProtect's familiar VMS interface.

Active-active server clustering:
Ensures full fault tolerance with two servers operating in tandem.

Automatic failover:
Instantly switches roles during failover or changes in recording server status.

Auto-backfill:
Seamlessly retrieves and fills recording gaps caused by downtime using data from a paired server.

Fast & easy deployment:
Copies server configurations automatically, eliminating manual device reattachment.

Easy maintenance & upgrade:
Fully integrated into XProtect UI with no specialized hardware or additional licensing required.

Flexible modes:
Offers server cloning or camera pairing setups for maximum adaptability.

Key Benefits

- **Uninterrupted security coverage**
  Maintain live camera continuity to capture every security incident without fail.

- **Enhanced compliance**
  Meet strict regulations with immediate access to all recordings before, during and after failover.

- **Data integrity & reduced liability**
  Rely on a complete data set to minimize disputes by providing accurate incident records.

- **Zero downtime**
  Operate seamlessly, even during maintenance or system upgrades.

# Case Study: Enhancing Airport Security with Surveillance HA

An airport's vast surveillance infrastructure requires uninterrupted monitoring of thousands of video feeds. Any system downtime, including server migrations and system upgrades, could create critical security gaps.

To a **major U.S. airport**, securing their surveillance systems is no small feat. With two large data centers, each housing 45 servers and supporting over 4,000 cameras, the airport keeps over 4 petabytes of video data to manage. To ensure continuous, reliable surveillance, the airport needs an HA solution capable of ongoing data replication and zero-loss failover in case of interruptions.

Surveillance HA is deployed to provide the high-availability solution the airport requires. Their solution involves configuring a fault-tolerant cluster of two identical Milestone XProtect ® recording servers – **seen as a single server** by the management component. Surveillance HA automatically copies server configurations, removing the need to attach devices to both servers separately, thus **simplifying operations**, and dramatically enhancing system resilience and data protection.

The solution ensures immediate failover in case of server failure, with no interruption to camera feeds or data recording. Any missing data during a failure event is automatically recovered, ensuring complete data integrity.

Surveillance HA is proving essential for the airport, ensuring uninterrupted security operations and safeguarding vast amounts of data.

TERMINAL 2

TERMINAL 1
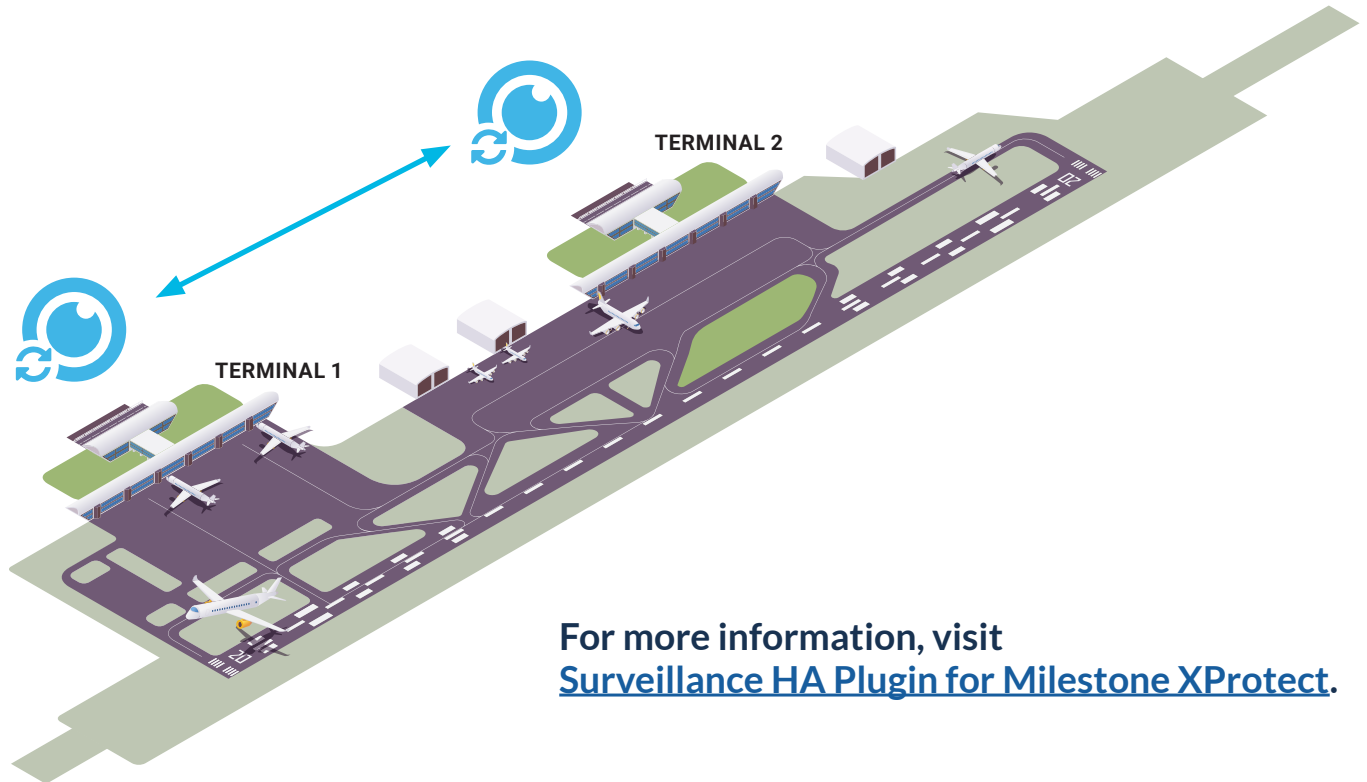
**For more information, visit
Surveillance HA Plugin for Milestone XProtect.**