



Introduction

Nidhi provides automated, bandwidth-adjustable, mirrored backup of recorded video from selected Milestone XProtect storage profiles to AWS S3, S3-compatible storage, or SMB shares. When storage fails, Nidhi provides an easy way to restore media: by individual storage profile for volume-restore workflows, or across every profile on a recorder to bring a failed recorder fully back online on replacement hardware. Built as a decentralized, highly scalable solution, Nidhi runs an autonomous agent on each recorder and integrates with the Milestone Management Client for centralized control. An at-a-glance dashboard with proactive alerts keeps backup and restore status visible across the entire deployment.

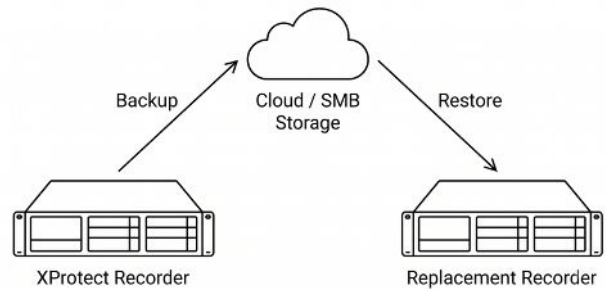
Key Features

Centralized Management & Dashboard

Nidhi integrates directly with the Milestone XProtect Management Client, giving you a single place to manage backups and restores across all recorders in the deployment. An at-a-glance dashboard shows site-wide backup status: which recorders are protected, which are pending, and how much footage is backed up versus still at risk, while proactive alerts flag failed backups as soon as they occur. For sites running large numbers of recorders, this birds-eye view turns backup from something you hope is working into something you can see is working.



Dashboard in the XProtect Management Client



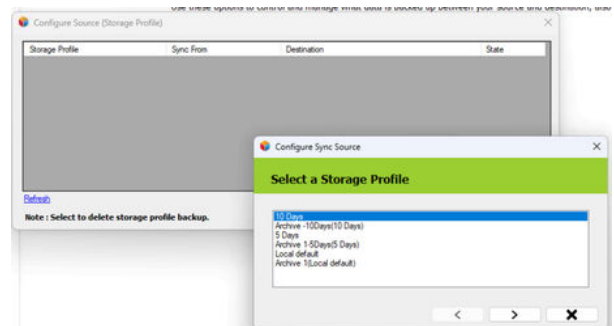
Overview

Pricing Model

- Annual fixed license cost per recorder, independent of the amount of data managed or the number of cameras.

Selective Storage Profile Backup

You don't have to back up everything. Most deployments have cameras that matter more than others: entrances, points of sale, critical infrastructure. Nidhi lets you protect exactly those. Group the important cameras into their own Milestone XProtect storage profile, then back up just that profile instead of every camera on the recorder. You decide what's worth protecting, keeping backup footprint and cost aligned with the value of the footage rather than paying to store everything indiscriminately.

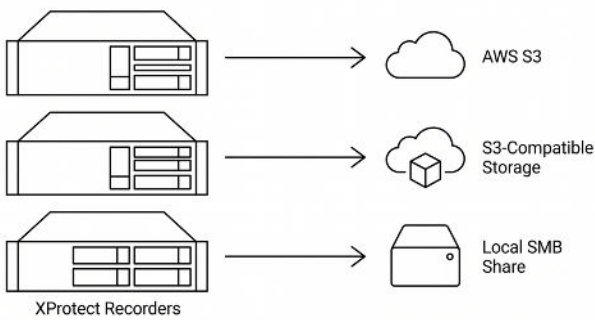


Backup by Storage Profile



Flexible Backup Destinations

Back up each recorder to the storage that fits its needs. Nidhi supports AWS S3, any S3-compatible object storage, and SMB network shares. Because the destination is set per recorder, different recorders can target different storage. Send high-value footage to durable cloud storage, keep regulated sites on a local SMB share to meet data-sovereignty requirements, and let remote recorders over thin network links back up locally rather than straining the connection. You match each recorder to the destination that best fits its cost, compliance, and bandwidth realities.



Per-recorder Backup Options

Bandwidth-Aware Scheduling

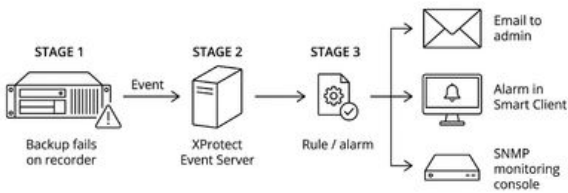
Backup shouldn't compete with the rest of your network. Nidhi's bandwidth scheduler accepts multiple time windows, each with its own MB/s ceiling, so you decide how much capacity backup may use and when. A typical pattern throttles tightly during business hours, opens up overnight when the network is quiet, and stays moderate in the evening, thus letting backups catch up fast off-peak without disrupting daytime operations. And because the schedule is set per recorder, every site in a distributed deployment can follow its own schedule, tuned to its destination. A recorder pushing to the cloud over a shared link can stay conservative by day and catch up overnight, while one backing up to a local SMB share never touches the uplink and can run wide open around the clock.

The complex block contains a screenshot of a 'Bandwidth Configuration' window and two diagrams illustrating bandwidth scheduling. The screenshot shows a table with columns 'Start Hour', 'End Hour', and 'Limit (MB/s)'. The first row shows 09 to 20 with a limit of 1. The second row shows 21 to 24 with a limit of 5. Below the table is a note: 'Note: MB/s represents megabytes per second.' and three icons: a green plus sign, a red trash can, and a blue floppy disk. Below the screenshot is the text 'Set Bandwidth Schedule'. The first diagram shows a 'Recording server' connected to a 'Cloud - shared link'. A graph shows bandwidth usage over a 24-hour period, with a low limit during the day and a higher limit overnight. The text below the graph says 'Throttled by day, catches up overnight'. The second diagram shows a 'Recording server' connected to a 'Local SMB Share'. A graph shows a constant high bandwidth limit over a 24-hour period. The text below the graph says 'Runs wide open - never touches the uplink'. At the bottom of the complex block is the text: 'Combine Bandwidth Schedules and Backup Destinations for Maximum Flexibility at Distributed Deployments'.



Native XProtect Alerting

Nidhi reports backup failures as native XProtect events, so alerts reach administrators through the system they already monitor. When a backup job fails, the Nidhi agent sends a generic event to the XProtect Event Server. XProtect is set up so that this event triggers a standard rule or alarm that can email the administrator, raise an SNMP trap to a monitoring console, or both. Because the alert flows through XProtect's own event and rule engine, backup failures surface alongside every other system alarm and are delivered the same way as the rest of your deployment's alerts.



XProtect Integrated Notifications

You Own Your Storage

Footage is sent to your AWS S3, S3-compatible, or SMB storage. Vega never holds, manages, or accesses your data.

Scales without Limit

Each recorder runs its own agent, so adding recorders adds no central bottleneck.

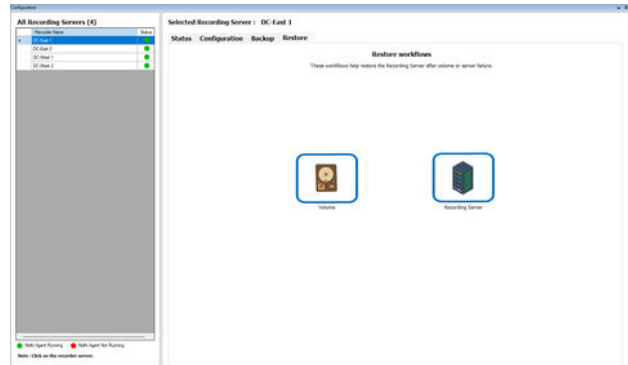
Decentralized by Design

Every recorder backs up and restores on its own; no single point of failure in the backup system itself.

XProtect Variant Agnostic

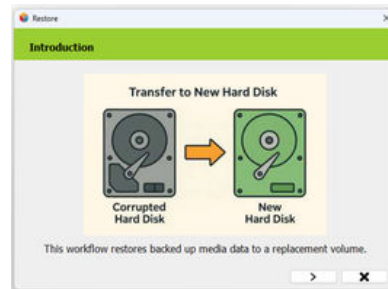
Nidhi works on all XProtect Variants.

Restore Workflows



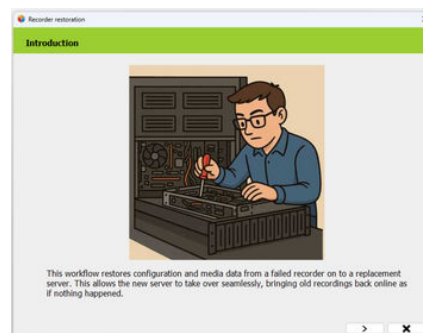
Volume Restore

When a disk fails, you don't lose its footage. Nidhi restores a backed-up storage profile to a replacement volume, bringing the recordings on that disk back online without touching the rest of the recorder.



Recorder Restore

When an entire recorder fails, Nidhi rebuilds it. It restores every storage profile for the failed recorder onto replacement hardware, bringing its configuration and recordings back so the new server takes over seamlessly; old recordings are online again as if nothing happened.






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Redundancy Management Framework

Comprehensive, Cybersecure, Active-Active Redundancy for XProtect.

XPort

Automated migration and consolidation for Milestone XProtect deployments.

Tandem

Single Identity Active-Active Recorder Redundancy for XProtect.

SureStream

Camera-to-Client Direct Streaming for Milestone XProtect.

Atlas

The WAN Platform for Video. Make every camera local.



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