



# Designed for **powerful live monitoring** of larger installations

## Product highlights

### Reliable high-performance surveillance software

Supports an unrestricted number of cameras, users and servers for **complete system scalability**

**Centralized single management interface** provides efficient system administration of all connected cameras and devices

Achieve **industry's best system performance** and lower system costs with hardware accelerated video motion detection that shifts video decoding from the CPU to the GPU

Powerful, high performing software built on a native 64-bit Windows service supporting minimum **3.1 Gbit/s recording rate**

### Real-time situational overview

A comprehensive overview of camera locations and layouts of the entire surveillance installation **allows for quick detection of trouble areas**

The sophisticated Alarm Manager provides a consolidated overview of security and system alarms for **immediate visual verification**

Flag video sequences of particular interest and add descriptive notes, enabling users to easily share information and **increase efficiency in investigating incidents**

### A secure solution you can trust

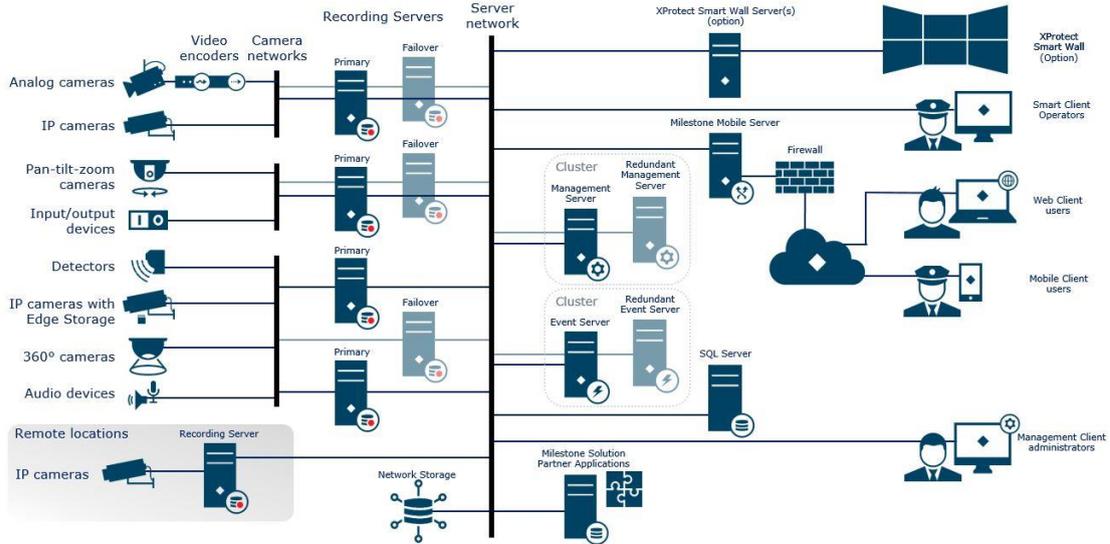
The system architecture provides a series of **video integrity mechanisms** that enables users to maintain full end-to-end security and integrity of recorded video data.

All recorded data can be encrypted with the latest cyber security standard AES 256 and signed with SHA-2 to ensure the mediadatabase is not tampered with

To **prevent unauthorized persons from accessing the video**, XProtect Expert supports HTTPS, ensuring all communication between server and supported cameras are encrypted with HTTPS

SKU	Description
XPETBL	XProtect Expert base license
XPETDL	XProtect Expert device license
YXPETBL	1-year Care Plus for base license
YXPETDL	1-year Care Plus for device license

## System diagram



### RECORDING SERVER / FAILOVER RECORDING SERVER

Powerful, high performing software built on a native 64-bit Windows service supporting minimum 3.1 Gbit/s recording rate.

Records and stores video, audio and metadata, and provides operators and other users access to live and recorded data.

Enables fast discovery of more than 6,000 IP cameras, IP video encoders and digital video recorder (DVR) models from close to 150 different manufacturers. Complete system scalability because an unrestricted number of recording servers can be added to one system. High-availability function where failover recording servers act as a backup to primary recording servers.

### MANAGEMENT SERVER

The management server is the central component of the VMS and is responsible for handling the system configuration, distributing configuration to other system components, such as recording servers, and for facilitating user authentication.

User authentication and user rights management with support for basic users, local Windows users or via Windows® Active Directory. Maintains an array of system and audit logs. May be clustered for high-availability deployments.

### MANAGEMENT CLIENT

Single-point system administration interface for centralized management of all system configuration aspects.

### EVENT SERVER

Provides advanced multi-layered map giving operators interactive access and control of the complete surveillance system. Hosts the alarm function that provide a consolidated and clear overview of security and system-related alarms.

Hosts possible Milestone Integration Platform Software Development Kit (MIP SDK) solution plug-ins. May be clustered for high-availability deployments.

### XPROTECT SMART WALL

Add-on option that offers flexible and hardware independent video wall support.

## Specifications

General	Detail
Type of deployment	Multi-site
Licensing	Perpetual
Maximum number of cameras	Unrestricted
Maximum number of recording servers	Unrestricted
Maximum number of concurrent users	Unrestricted
Centralized Management	Yes
Failover recording servers	Yes
Customer Dashboard	Yes
Hardware accelerated VMD	Yes
Multiple video export formats	Yes
Supports all XProtect clients	Yes
Alarm Manager	Yes
Map function	Yes
Smart Map	Yes
Edge Storage	Yes
Metadata	Yes
Flexible event rule wizard	Yes
Pre-recording buffer in RAM	Yes
Push notification	Yes
XProtect Smart Client profiles	Three
Scalable Video Quality Recording™	Yes

Scalability	Detail
Milestone Federated Architecture	Remote site
Milestone Interconnect	Remote site
Microsoft Active Directory	Yes
XProtect Smart Wall	Optional
Supports third-party system integration	Yes
Supports XProtect Add-on products	Yes
Move hardware function	Yes
Cyber security	Detail
Kerberos authentication	Yes
Secure HTTPS camera connectivity	Yes
Digital signature on video exports	Yes
Disablement of re-exporting	Yes
Restrict user access per client	Yes
Dual authentication	Yes
AES 256 encryption	Yes
SHA-2 signing	Yes

For detailed specifications, please visit [milestonesys.com](http://milestonesys.com)