

# Milestone XProtect™

## CORPORATE Open Platform IP Video Software



### Powerful Video – No Limits, No Compromise

XProtect Corporate is a powerful IP video management system designed for large-scale, mission-critical enterprise applications, supporting unlimited cameras, servers and users. The central management and intuitive access clients make even very large installations easy to use and manage.

Based on Milestone's Open Platform, XProtect Corporate video-enables your business, allowing you to easily integrate with 3<sup>rd</sup> party systems and video content analysis.

### Key benefits

#### Powerful, flexible and highly scalable

XProtect Corporate's distributed architecture, innovative central administration and intuitive user interface means that you can tailor your surveillance solution to meet your exact needs – no compromise. Then scale to keep up with your company growth – no limits.

#### Easy to use and manage

Milestone's intuitive XProtect Smart Client makes it easy to manage adds, moves and changes, even with unlimited cameras, devices, servers and users. Your security staff become proficient quickly because they can view live and recorded video, export evidence and control Pan/Tilt/Zoom (PTZ) cameras through a single user interface.

#### Measurable cost-effectiveness

XProtect Corporate's unique archiving structure provides you with fast access to short-term recordings and affordable, seamless access to massive scale long-term archives.

#### Reliability that meets the demand for mission-critical applications

Failover servers ensure you have uninterrupted access to both live and recorded video, even if a server should fail. User access rights are strictly managed, so that only authorized staff have access to system functions and sensitive stored data.

#### Flexible Open Platform

Milestone's XProtect Open Platform offers you seamless integration with 3<sup>rd</sup> party business solutions and security devices. The video analytics framework allows you to integrate video analytics applications.



# Bringing you the value of IP Video

Built to meet strict surveillance requirements across industries

**Individual industries. Individual needs. XProtect Corporate's Open Platform allows you to tailor your surveillance to meet your business requirements precisely.**

A decade of refinement in Open Platform IP video software and technologies has made XProtect Corporate a powerful surveillance solution with the reliability and flexibility to meet your industry-specific business needs, today and in the future.

## Airport Security



*Combat terrorism and enforce regulations*

XProtect Corporate provides easy access to live and recorded video for multiple operators using video content analysis – such as reverse movement through checkpoints or cars stopped in sensitive zones. Authorities can proactively handle potential threatening situations.

## Port Surveillance



*Monitor and improve port operations*

Megapixel IP video is the best tool for surveying large areas. Milestone's superior performance with Megapixel cameras helps port authorities use video content analysis – such as license plate recognition – to tie goods to vehicles entering and leaving, and prevent trucks loading the wrong container.

## Gaming & Casinos



*Deter cheating, build strong evidence*

In installations using large numbers of cameras operating at high frame rates and resolution, XProtect Corporate allows security staff to investigate incidents quickly and export evidence material easily. Video content analysis – for example facial recognition – can build stronger evidence against suspects.

## Homeland Security



*Awareness, Prevention, Protection*

Proactively identifying suspicious behavior helps authorities assess vulnerabilities and ultimately detect, deter and mitigate threats in public facilities. Milestone's video content analysis – such as crowd detection and loitering – enables first responders to efficiently single out and apprehend suspects.

# To meet your business needs precisely

XProtect Corporate is designed to scale as your business grows

**XProtect Corporate meets your tough demands with the advanced features that you need from your video surveillance solution.**

## **Distributed architecture**

XProtect Corporate builds on a powerful distributed server architecture with central management of unlimited sites, servers, devices, cameras and users.

## **Multicasting and multistreaming**

Multicasting and multistreaming allow multiple operators to easily view live and recorded video without straining network resources unnecessarily.

## **Powerful central management**

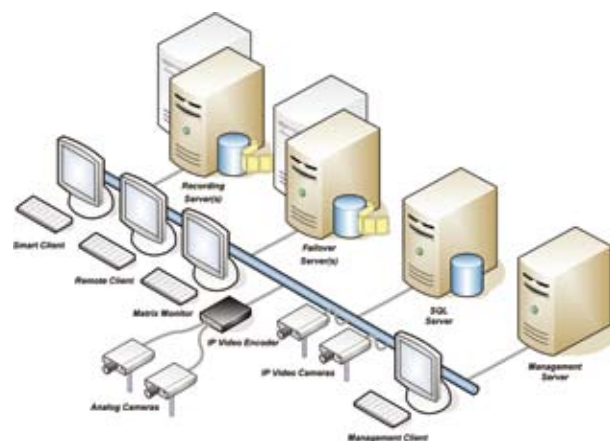
Using intuitive wizards, flexible rules system, automatic network scanning and camera model detection, with tight integration to Microsoft® IT environments, your administrators maintain a very high level of system integrity. Managing cameras in groups and assigning users to role-based security groups saves valuable time for your staff.

## **Intuitive local and remote access**

Using Milestone's cutting-edge XProtect Smart Client, your security staff have seamless access to live and recorded video data at all times. Vital evidence material – encrypted and password-protected – can be created easily in a single operation and shared fast.

## **Failover for system integrity & data security**

XProtect Corporate gives you a high level of security and reliability required by true enterprise-class IT environments. The failover service ensures maximum uptime, and tight integration with Microsoft Active Directory® provides strict user authorization and management. All configurations, activity logs and alerts are conveniently stored in a central Microsoft SQL database.



*XProtect Corporate supports unlimited Recording and Failover Servers across multiple sites, devices and users. Using the central Management Server your security staff save time managing devices as groups from a single station for configuration and operational procedures.*

## **Unique, cost-effective archiving model**

The unique archiving model lets you reduce the high cost of storage by using fast, local disks for short-term recordings and affordable network storage for long-term archiving. Your security staff have seamless and instant access to all recorded video.

## **Simple licensing – know your cost**

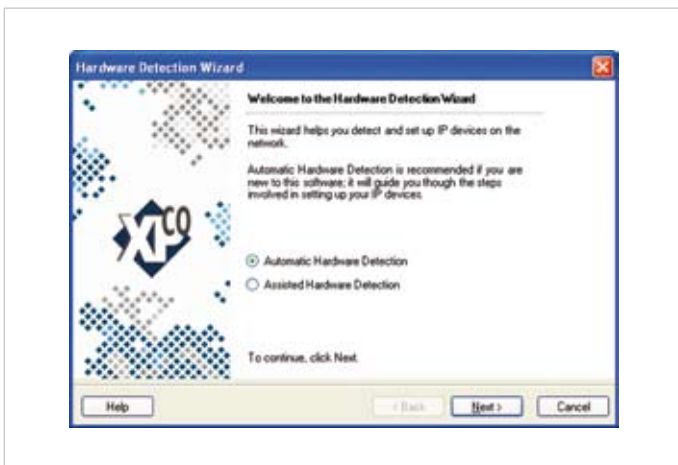
The licensing model for XProtect Corporate is fully transparent. As you expand your installation, you only pay licenses for the cameras you add. No extra license cost for adding recording servers, storage, access clients or users. No license cost for Failover Servers. Milestone's Product Maintenance Agreement gives you a cost-effective way to keep your solution up to date with future software developments.

# Powerful features that are easy to manage

## Key Product Features

### SYSTEM, ADMINISTRATION & INTEGRATION

- ◆ **Multi-server and multi-site IP video solution:** Unlimited recording of MJPEG, MPEG-4, MPEG-4 ASP\*, MxPEG and H.264\* video from IP cameras and IP video encoders with analog cameras.
- ◆ **Unlimited number of Recording Servers:** Supports unlimited devices per server and offers continuous recording, and recording activated by motion or event with speed-up and pre-/post-buffer functionality.
- ◆ **Unlimited number of Failover Servers:** Unlimited Failover Servers can support unlimited Recording Servers with automatic synchronization of recordings. Failover activity can be monitored by initiating rules from failover events.
- ◆ **Multicast:** Send one video stream to multiple Smart Clients. The infrastructure must support IGMP to reach remote networks.
- ◆ **Multistreaming:** Establish two independent streams from a supported camera to the Recording Server with different resolutions, encodings and frame rates, for example a video stream optimized for live view and another optimized for recording.
- ◆ **Network scanning and device model detection:** Supports IP cameras and IP video encoder models from major vendors with IP range searching for devices and automatic model identification.



*Hardware Detection Wizard:*

*The intuitive Hardware Detection Wizard minimizes the rationale of setting up new cameras. New installations are up and running in a very short time, and adding new cameras on a regular basis is a simple task.*



*Corporate Management Client:*

*XProtect Corporate features an intuitive user interface that is powered by .Net technology. The integration with corporate Microsoft environments is unparalleled. It combines many years of IP video surveillance experience with strong network architecture and IT systems standards.*

- ◆ **Centralized management:** Full configuration of all devices, Recording Servers and users from a remote manager console connected to the Management Server holding all configuration settings in a Microsoft SQL database.
- ◆ **Device groups:** Work with groups of devices which allows you to configure many devices simultaneously.
- ◆ **Versatile rule system:** Set up scheduled or event-driven camera and output actions with numerous options including support for time profiles.
- ◆ **Flexible archiving:** Move historical video data multiple times per day to local or network drives, while recording is active. Configure individual scheduling and retention time per camera or camera group.
- ◆ **Built-in Video Motion Detection:** Video Motion Detection (VMD) is independent of device models and supports unlimited devices per Recording Server.
- ◆ **Integration options:** Recording Server API/SDK, custom events, client plug-ins and shared authentication with XProtect Enterprise 6.x Recording Servers.
- ◆ **IPv4 and IPv6\* Support:** XProtect Corporate 2.0 Management Server, Management Client, Recording Server, Failover Server and Smart Client support both IPv4 and IPv6 addressing.

# Intuitive user interface that's easy to use

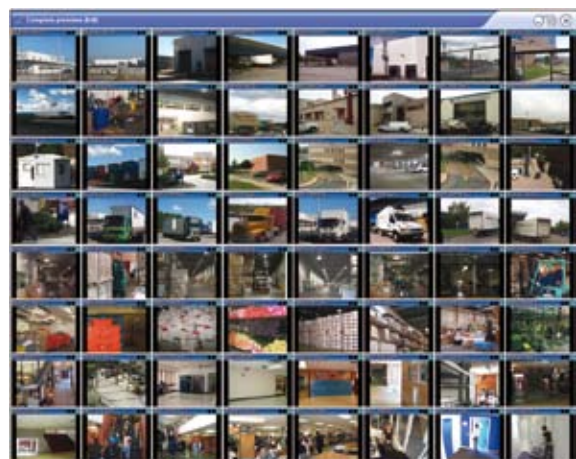
## Key Product Features

### REMOTE OPERATIONS

- ◆ **Live view and playback:** The Smart Client and Remote Client support up to 64 cameras per view from multiple Recording Servers at the same time.
- ◆ **Advanced views layout:** Work with private and shared server-stored camera views containing up to 8x8 layouts, Hotspot, Matrix and Carousel elements, static and active HTML maps, all distributed across multiple computer monitors and windows.
- ◆ **Intelligent PTZ:** Manual control with joystick support, presets, go-to preset on event, user priority, patrolling with multiple schemes, automatic pause-and-resume option and scanning as well as digital PTZ.
- ◆ **Virtual Matrix:** Control live camera views on remote computers for distributed viewing.
- ◆ **Input/Output event control:** Via cameras or networked I/O devices for event control, manual event activation and event list in recordings.
- ◆ **Multi-channel, two-way audio:** Listen-in/recording with instant playback and transmit client microphone input to remote speakers.

### SEARCH, EXPORT & SECURE DATA

- ◆ **Post-recording processing:** Smart Search and Digital PTZ with optional image smoothing.
- ◆ **Evidence export:** JPEG, AVI and native database formats with stand-alone recording viewer, data encryption and logs, user notes and report printing.
- ◆ **User authentication:** Microsoft Active Directory or local Windows user accounts.
- ◆ **Role-based authorization:** Microsoft Active Directory or local Windows user accounts and groups, all controlling access privileges and permitted actions at device and application level.
- ◆ **Logs:** Store system, event, audit, rule and alert log entries in a centralized Microsoft SQL database.
- ◆ **Alerts:** Notify users by e-mail as configured in notification profiles, triggered by events or schedules in the rule system.



*The Floating Window option in the XProtect Smart Client enables you to watch multiple views at the same time – that's a good overview! Create as many floating views as you need in different groups such as buildings, locations, or departments. For instant views of selected time periods, browse through recordings by various spans of time using the Timeline Browser.*

# Our Open Platform is your foundation

Team up with hundreds of security players through Milestone XProtect

## WIDEST CHOICE IN CAMERAS

Feedback from our customers tells us that we have the most extensive experience and capabilities in supporting multiple vendors' cameras and other equipment. Today, Milestone offers camera driver support for hardware from over 40 camera manufacturers. Through our Manufacturers' Alliance Program (MAP) we are constantly working with existing and new partners to integrate advanced camera features and continue to expand your choice with new hardware.

### Over 50 ready-made integrations to...

- ◆ Access control
- ◆ Building management systems
- ◆ Alarm systems
- ◆ Retail Point-of-Sale (POS) systems
- ◆ Automated Teller Machines (ATM)
- ◆ Perimeter detection
- ◆ Hardware (joysticks etc.)

### Video content analysis framework

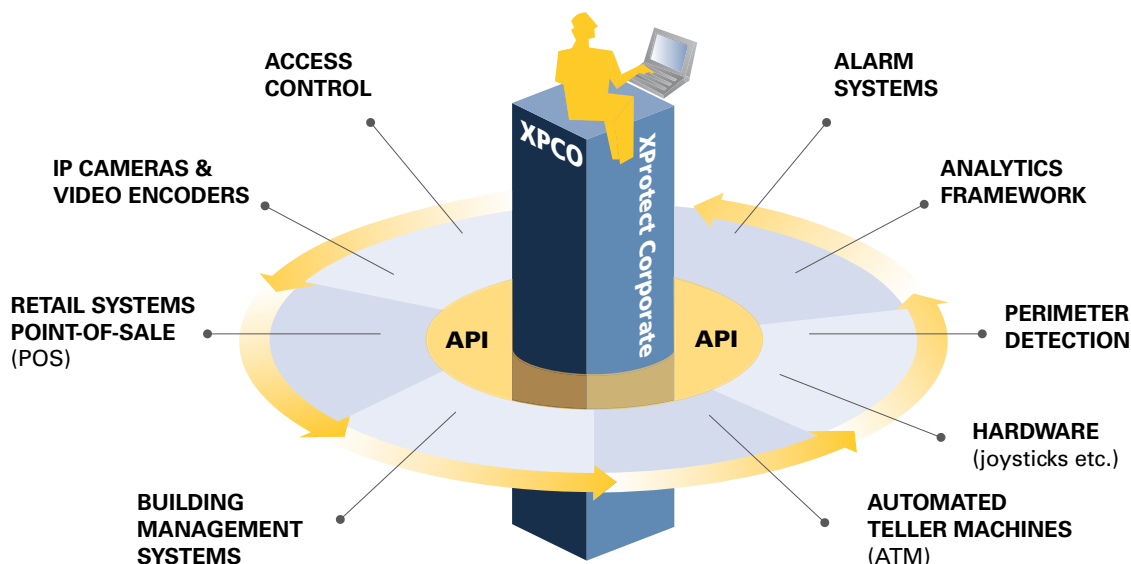
The XProtect video analytics framework enables you to integrate with any video analytics application. Protecting your previous investment by allowing you to re-use existing network architecture and resources. Milestone already works with leading providers of video analytics as part of our ready-made solutions and integrated applications.

### Milestone Solution Partner (MSP) Program

Leverage your surveillance installation with best-of-breed integrated applications and add-ons. Save valuable implementation time with tested, proven applications that help you video-enable your company.

The MSP Program is an accredited network of integrators – Milestone Solution Partners – that continuously refine, develop and deliver integrations. Our MSP solutions range from minor adjustments to meet specific industry needs, to full scale application integrations with a wide range of 3rd party equipment and solutions.

See a list of ready-made integrations:  
[www.milestonesys.com/solutions/integrations](http://www.milestonesys.com/solutions/integrations)



## WHAT DO YOU WANT TO INTEGRATE?

One of the hallmarks of an Open Platform is its Application Programming Interface (API). Milestone Systems' rich API comes with a well documented software development kit (SDK) that offers seamless integration possibilities with business and security applications from virtually any 3rd party.

# System components and details

## What you get and what you need to run it

### MINIMUM SYSTEM REQUIREMENTS

#### XProtect Corporate 2.0 Common Server Requirements:

RAM: Minimum 1GB (2 GB or more recommended)  
Network: Ethernet (1 Gbit recommended)  
Graphics Card: Onboard GFX, AGP or PCI-Express, minimum 1024 x 768, 16 bit colors  
Hard disk type: E-IDE, PATA, SATA, SCSI, SAS (7200 RPM or faster)  
OS: Microsoft® Windows® XP<sup>1)</sup> Professional (32 bit) or Windows Server 2003 (32 bit)

#### XProtect Corporate Management Server 2.0:

CPU: Intel® Xeon®, 2.0 GHz or higher (Dual-Core recommended)  
Hard disk space: Minimum 100 Gbyte free (depends on number of servers, cameras, rules and logging settings)  
Software: Microsoft .NET 3.0 Framework and Internet Information Server (IIS) 5.1 or newer

#### XProtect Corporate Recording Server/Failover Server 2.0:

CPU: Dual-Core Intel Xeon, 2.0 GHz or higher (Quad-Core recommended)  
Hard disk space: Minimum 100 Gbyte free (depends on number of cameras and recording settings)  
Software: Microsoft .NET 3.0 Framework or newer

#### XProtect Corporate 2.0 Common Client Requirements:

Network: Ethernet (100 Mbit or higher recommended)  
Graphics Card: AGP or PCI-Express, minimum 1024 x 768 (1280 x 1024 recommended), 16 bit colors

#### XProtect Corporate Management Client 2.0:

CPU: Intel® Core™2 Duo, 2.0 GHz or higher  
RAM: Minimum 1 Gbyte  
Hard disk space: Minimum 100 Mbyte free  
OS: Microsoft Windows XP Professional (32 bit) or Windows Server 2003 (32 bit)  
Software: Microsoft .NET 3.0 Framework and DirectX 9.0 or newer

#### XProtect Smart Client 3.6:

CPU: Intel Core2 Duo, 2.0 GHz or higher (Quad-Core recommended for larger views)  
RAM: Minimum 512 Mbyte (1 GB recommended for larger views, 1 GB recommended on Windows Vista®)  
Hard disk space: Minimum 100 Mbyte free  
OS: Microsoft Windows XP Professional (32 or 64 bit<sup>2)</sup>), Windows Server 2003 (32 or 64 bit<sup>2)</sup>), Windows Vista Business (32 or 64 bit<sup>2)</sup>), Windows Vista Enterprise (32 or 64 bit<sup>2)</sup>) and Windows Vista Ultimate (32 or 64 bit<sup>2)</sup>)  
Software: Microsoft .NET 2.0 Framework and DirectX 9.0 or newer

#### XProtect Remote Client 3.5:

CPU: Intel® Pentium® 4, 2.4 GHz or higher  
RAM: Minimum 256 Mbyte (512 MB recommended for larger views, 1 GB recommended on Windows Vista)  
Hard disk space: Minimum 10 Mbyte free  
OS: Same as XProtect Smart Client 3.6  
Software: DirectX 9.0 or newer

#### XProtect Matrix Monitor 2.3:

CPU: Intel Pentium 4, 2.4 GHz or higher  
RAM: Minimum 512 Mbyte (1 GB recommended on Windows Vista)  
Network: Ethernet (100 Mbit or higher recommended)  
Graphics Card: AGP or PCI-Express, minimum 1024 x 768, 16 bit colors  
Hard disk space: Minimum 50 Mbyte free  
OS: Same as XProtect Smart Client 3.6  
Software: DirectX 9.0 or newer

1) Limited by Windows Operating System to 10 concurrent network connections)

2) Running as a 32 bit service/application

### SUPPORTED LANGUAGES

**XProtect Corporate Management Server, Recording Server, Failover Server and Management Client 2.0:**  
English

#### XProtect Smart Client 3.6:

User Interface\*: Arabic, Chinese, Danish, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Russian, Spanish  
Help System and User's Manual: English only

#### XProtect Remote Client 3.5:

User Interface and Help System\*: Danish, English, French, German, Italian, Japanese, Spanish  
User's Manual: English only

#### XProtect Matrix Monitor 2.3:

English

### LICENSE INFORMATION

#### Base Server License:

Mandatory for installing the product. The Base Server License contains one (1) XProtect Corporate Management Server, unlimited Recording Servers/Failover Servers and four (4) Device Channel Licenses. The Base Server License is identified by a unique Software License Code (SLC). The product may be installed on one (1) computer designated as Management Server per Software License Code.

#### Recording Server/Failover Server License:

The product may be installed on an unlimited number of computers designated as Recording Servers/Failover Servers per designated Management Server using the same Software License Code.

#### Device Channel License:

To connect to a device, a license per camera channel is required. A video encoder connected to multiple analog cameras requires a license per channel to operate. Device Channel Licenses can be purchased in any number.

#### Client License:

The XProtect Smart Client, XProtect Remote Client, XProtect Matrix Monitor and the XProtect Corporate Management Client are not licensed and may be installed and used on any number of computers.

\* Please consult release notes for time of availability.

# About Milestone Systems

Milestone Systems is a global developer of open platform IP video management software. The XProtect platform is easy to use, robust and proven in more than 35,000 customer installations worldwide. With support for the industry's widest choice in network hardware and integration with other systems, XProtect provides best-of-breed solutions to "video enable" organizations – reducing costs, optimizing processes, and protecting assets. Milestone software is sold through authorized partners in 90 countries.

[www.milestonesys.com](http://www.milestonesys.com)

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