



Release Notes – Milestone XProtect® Professional 8

It is with great pleasure that Milestone Systems releases XProtect Professional 8:

XProtect Professional 8 – The power to do MORE!

XProtect Professional is comprehensive open platform IP video management software (VMS) for mid-sized installations with multiple servers supporting up to 64 cameras per server. XProtect Professional is a complete solution for single-site installations with multiple buildings requiring integration with business systems and video analytics. With support for up to five servers, it is an ideal product for installations with a large number of megapixel and high-definition (HD) cameras. Easy-to-use software wizards quickly guide you through the process of adding cameras, configuring video settings, scheduling recordings and administering user access. The consolidated single-management interface and unique video search tools provide an efficient way to manage video and swiftly export evidence. With performance-enhanced capabilities such as support for multiple servers and dual streaming as well as improved motion detection, XProtect Professional helps extend the performance of your hardware. It is also a cost-effective solution with a flexible licensing system that easily grows and adapts to your future needs.

New features in XProtect Professional 8

XProtect Professional 8 with XProtect® Smart Client 6 and XProtect® Smart Client – Player, has been expanded with more features designed to:

- give performance enhancements, enabling up to 64 HD cameras on a single site
- assist in quick and easy deployment of mid-sized installations

Performance enhancements

XProtect Professional 8 provides current and potential customers with performance enhancements that optimize existing hardware and features that provide new viewing and recording possibilities.

- **Multiple servers**
Master/slave configurable servers allow up to 64 HD cameras at a single site, which is five times more HD cameras compared to XProtect Professional 7. XProtect Smart Client accesses all slave servers and corresponding cameras through the master server.
- **Dual streaming**
Hardware is optimized with two independent, configurable video streams for live and recorded viewing, allowing clients, servers and network infrastructure to be utilized to their full capacity. Each stream can be individually optimized on the XProtect Professional 8 server for stream compression, resolution and frame rate, meeting recording and live monitoring requirements.
- **Motion detection**
Performance-enhanced motion detection lowers memory and central processing unit (CPU) consumption even when additional cameras are added
- **ImmerVision Enables® 360° panomorph lens technology**
More critical information can now be captured on video with the introduction of the 360° panomorph lens technology support in XProtect Professional 8. The 360° panomorph lens technology can significantly decrease hardware and license costs because coverage obtained from one license-free lens mounted on a regular camera on the ceiling or on the wall replaces the coverage obtained by many regular cameras and lenses.

Quick and easy deployment of large installations

A new license activation and software installer makes system setup quicker and easier for system integrators and setup errors are decreased.



- **New installer**

All XProtect Professional components and language resources have been merged into one coherent, simplified installer, enabling a quicker installation process that results in more error-free deployments.

- **New license activation**

Installations are quicker and easier to deploy and maintain with an automatic online activation of system and camera licenses. Newly-added cameras are fully functional during a 30-day grace period enabling instant camera replacement and removing the need to keep track of MAC addresses and device licenses because this information is automatically gathered and processed by the system. If the system is not connected to the Internet it is still possible to activate the system and corresponding devices by exporting a license file that can be activated from an online computer.

Other great new features

XProtect Professional 8 has several additional new features:

- **Milestone Integration Platform (MIP) 2**

XProtect Professional 8 supports the next-generation MIP 2 that offers open and flexible architecture for easy integration of customer applications with the XProtect VMS platform. MIP offers more capabilities, easier development and full integration compatibility across Milestone's premium VMS products.

- **Privacy masking**

The privacy masking capability enables administrators to define privacy masks for individual cameras to hide areas in the camera view that must not be visible or recorded in order to comply with local legislation.

- **Language support**

XProtect[®] Professional Management Application is available in 11 languages; Portuguese (Brazil), Russian and Traditional Chinese are new in the XProtect Professional 8 release.

XProtect Smart Client 6

- **Native 64-bit operating system version**

The native 64-bit Smart Client support enables a larger number of HD cameras to be viewed and managed. Please note that some XProtect Smart Client features might not be available in the 64-bit version (please see the readme files for details).

- **XProtect Smart Client – Player**

The XProtect Smart Client – Player substitutes the former viewer application. It has the same look and feel as the XProtect Smart Client because they share the same platform, allowing you to access the same features for investigation and playback. It is possible to export a wide range of sources including: video, audio, HTML content, images and multiple transact sources. Efficient handling of multiple exports with new "Project" concept allows additional video exports or archives to be added to an existing project, the possibility to create new projects offline or use common tampering and password protection.

- **MIP 2 plug-in support**

- **Localization**

XProtect Smart Client now supports 26 languages; Portuguese (Brazil), Russian and Traditional Chinese have been added in XProtect Smart Client 6.

System requirements

XProtect Professional Server 8.0a

- Hardware platform:
CPU: Intel[®] Pentium[®] 4, 2.4 GHz or higher (Core[™] 2 recommended).

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RAM: Minimum 2 GB (4 GB or more recommended).
Minimum 10 GB free hard disk space available, excluding space needed for recordings.
Ethernet (1 GB recommended)
HDD: E-IDE, PATA, SATA, SCSI, SAS (7200 RPM or faster).
Onboard GFX, AGP or PCI-Express, minimum 1024 x 768, 16 bit colors.

- Operating system:
Microsoft® Windows® XP Professional (32 bit or 64 bit*), Windows Server 2003 (32 bit or 64 bit*), Windows Server 2008 R1/R2 (32 bit or 64 bit*), Windows Vista™ Business (32 bit or 64 bit*), Windows Vista Enterprise (32 bit or 64 bit*), Windows Vista Ultimate (32 bit or 64 bit*), Windows 7 Professional (32 bit or 64 bit*), Windows 7 Enterprise (32 bit or 64 bit*) and Windows 7 Ultimate (32 bit or 64 bit*).
- Software:
Microsoft .NET 4.0 Framework.
DirectX 9.0 or newer.

XProtect Smart Client 6.0a and XProtect Smart Client – Player

- Hardware platform:
CPU: Intel Core2™ Duo, minimum 2.4 GHz or higher (more powerful CPU recommended for Smart Clients running high number of cameras and multiple views and displays).
RAM: Minimum 2 GB (higher RAM recommended for Smart Clients running high number of cameras and multiple views and displays).
NETWORK: Ethernet (100 Mbit or higher recommended).
HDD: Minimum 500 MB free.
Graphics Adapter: AGP or PCI-Express, minimum 1024 x 768 (1280 x 1024 recommended), 16 bit colors.
- Operating system:
Microsoft Windows XP Professional (32 bit or 64 bit), Windows Server 2003 (32 bit or 64 bit), Windows Server 2008 R1/R2 (32 bit or 64 bit), Windows Vista Business (32 bit or 64 bit), Windows Vista Enterprise (32 bit or 64 bit), Windows Vista Ultimate (32 bit or 64 bit), Windows 7 Professional (32 bit or 64 bit), Windows 7 Enterprise (32 bit or 64 bit) and Windows 7 Ultimate (32 bit or 64 bit).
- Software:
Microsoft .NET 4.0 Framework
DirectX 9.0.

XProtect® Remote Client 3.7a

- Hardware platform:
CPU: Intel Pentium® 4, minimum 2.4 GHz
RAM: Minimum 2 GB (higher recommended on Microsoft Windows Vista).
Ethernet (100 megabit or higher recommended)
HDD: Minimum 10 MB free
Graphic Adapter: AGP or PCI-Express, minimum 1024 x 768 (1280 x 1024 recommended), 16 bit colors.
- Operating system:
Microsoft Windows 7 Ultimate (32 bit or 64 bit*), Microsoft Windows 7 Enterprise (32 bit or 64 bit*), Microsoft Windows 7 Professional (32 bit or 64 bit*), Microsoft Windows Server 2008 R2 (64 bit), Microsoft Windows Server 2008 (32 or 64 bit*), Microsoft Windows Vista Business (32 or 64 bit*), Microsoft Windows Vista Enterprise (32 or 64 bit*), Microsoft Windows Vista Ultimate (32 or 64 bit*), Microsoft Windows XP Professional (32 or 64 bit*) or Microsoft Windows Server 2003 (32 or 64 bit*)
- Software:
DirectX 9.0, or newer

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Where:

*) Running as a 32 bit service/application

Supported languages

XProtect Professional Server 8.0a

- English, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Danish, French, German, Italian, Japanese, Russian and Spanish.
- Administrator's Getting Start Guide is available in English, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Danish, French, German, Italian, Japanese, Russian and Spanish.
- The XProtect Professional help system is available in English, French, Portuguese (Brazil) and Simplified Chinese.

XProtect Smart Client 6.0a and XProtect Smart Client – Player

- English, Arabic, Bulgarian, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Czech, Danish, Dutch, Finnish, French, German, Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Russian, Swedish, Slovak, Spanish, Thai and Turkish.
- The XProtect Smart Client Help System and User's Manual is available in all languages except Bulgarian, Finnish, Hebrew, Hindi, Hungarian, Slovak and Thai.

XProtect Remote Client 3.7a

- English, German, French, Spanish, Simplified Chinese, Japanese, Italian, Danish and Swedish.
- XProtect Remote Client User's Manual is only available in English and Simplified Chinese.

Licensing

The overall licensing structure of XProtect Professional 8 is unchanged, where all new features are made available within the existing licensing scheme. Licenses issued for XProtect Professional 7 and earlier systems are not valid for version 8. These licenses can be traded-in in conjunction with an upgrade to XProtect Professional 8, according to Milestone's present trade-in policy.

Base Server License

- An XProtect Professional Base Server license is mandatory for installing the product. The product may be installed on one (1) computer designated as Master Server per Software License Code. The product may be installed on up to four (4) Slave Server computers per designated Master Server using the same Software License Code.
- The Base Server license contains the XProtect Professional Server modules Recording Server, Recording Server Manager, and Image Server, plus the client modules XProtect Smart Client, XProtect Smart Client – Player, and XProtect Remote Client.

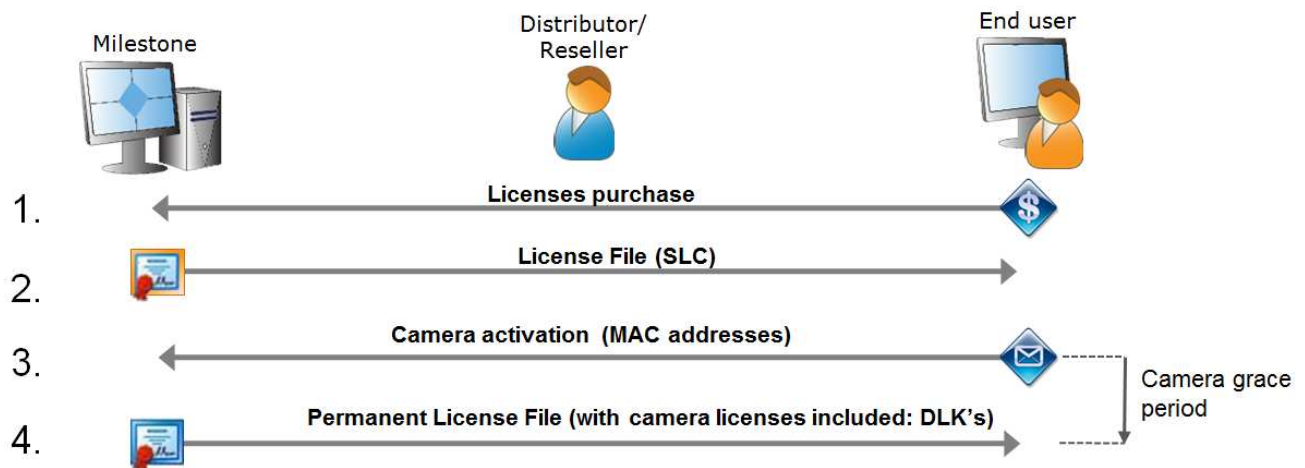
Camera License

- To connect to a camera, a license per camera channel is required. In total, for all copies of the product installed under this license, the product may only be used with as many cameras as you have purchased camera licenses for.
- Video encoders and DVRs connected to multiple analog cameras require a camera license per channel to operate.
- Camera Licenses can be purchased in any quantity. To expand the installation with additional Camera Licenses, the Base Server License number (SLC) is required when ordering.

Client License

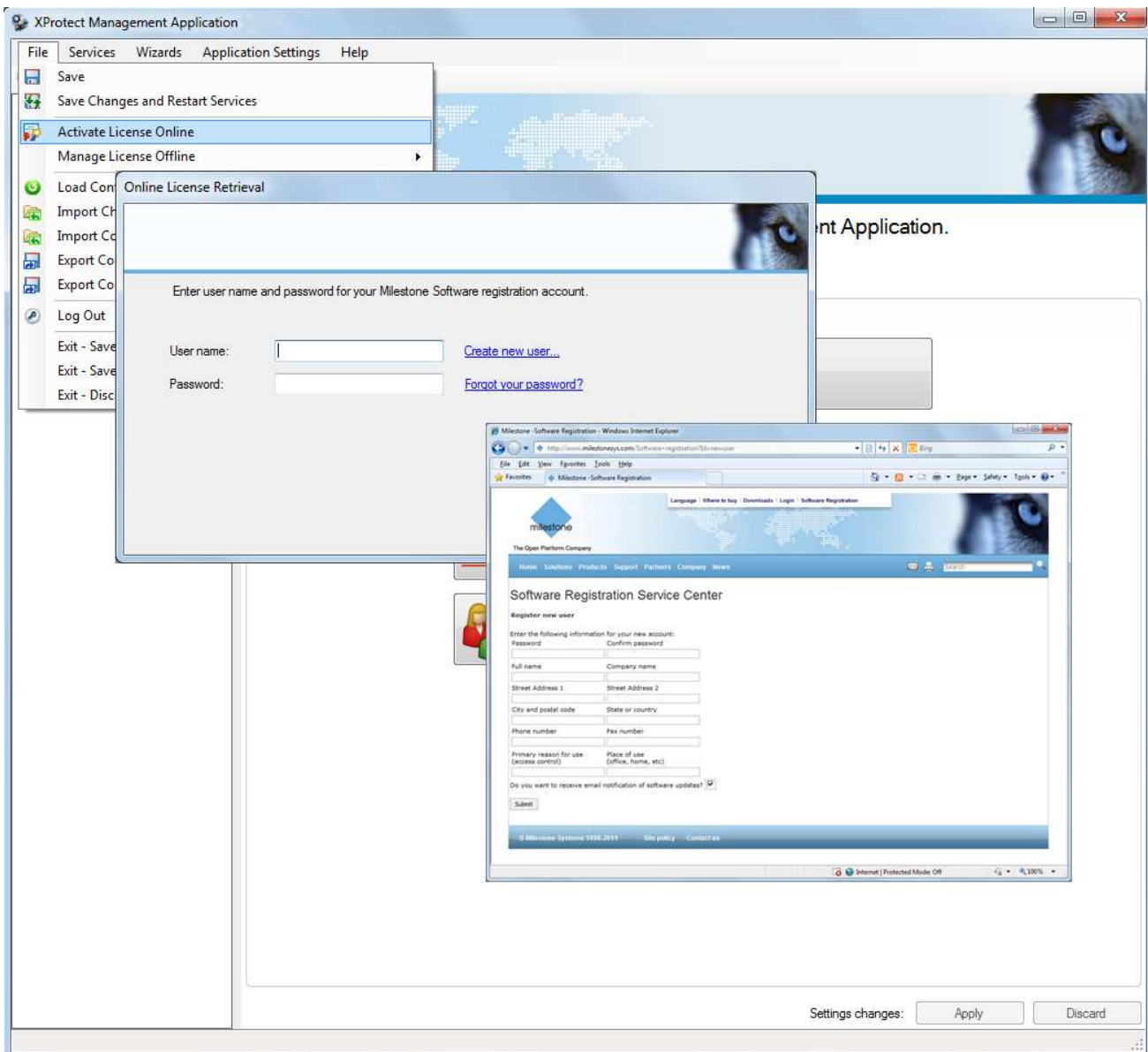
- The XProtect Smart Client, XProtect Smart Client – Player, XProtect Remote Client and XProtect PDA Client are not licensed and can be installed and used on any number of computers.

Please note that the new license activation requires a new procedure for purchasing and distributing SLCs and DLK's (including device MAC addresses). Instead of distributing these (SLCs and DLK's) a license file is used which contains all this information (almost an identical license handling procedure as in XProtect® Enterprise 8 and XProtect® Corporate).



As seen in the illustration above:

- End user purchases a Base Server License with a number of camera licenses.
 - Distributor/Reseller issues the order from Milestone's order system.
- The Milestone order system creates a license file containing the base server license (SLC). The file can either be saved for later distribution to the end user or the license file can be emailed directly to the end user. Please note that the name of the license file is in the structure "SLC_License_Number.LIC".
 - The license file can either be added during the installation or at a later stage. However if no license file is added then the software will be installed with a 30-day trial period.
 - One or multiple cameras are then added to the system. These will be fully functional during the 30-day camera grace period.
- Within the 30-day grace period the cameras need to be activated online using the Milestone Software Registration Service Center.
 - If no account exists then one needs to be created in the Milestone Software Registration Service Center. The account is automatically linked to the base server license (SLC) and the allowed number of camera licenses that can be obtained.
 - The XProtect Professional 8 system automatically collects all information necessary for obtaining the correct number of camera licenses (DLK's, based upon camera MAC addresses).
- A permanent license file is automatically added to the system.



Upgrade to XProtect Professional 8

The new installer for XProtect Professional 8 makes it possible to upgrade from version 6.5 and 7. Any configurations completed in the previous versions will be automatically transferred to the XProtect Professional 8 installation. However, if XProtect Professional 6.5 was not installed in the default path then it is recommended to first upgrade to version 7 and then 8. For more details please see the Getting Started guide.

Best regards,

The Milestone Team
www.milestonesys.com

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