

Version Comparison Report

VERSION COMPARISON REPORT

On a recurring cadence, we make the XProtect® products better, safer and more powerful. In this report you will see which features and capabilities we have added to XProtect

Comparing XProtect Express 1.0 with XProtect Express 2019 R2

Divided into overall categories, the report summarizes the additional functionality and enhancements we have added since XProtect Express 1.0



Performance and scalability

Expect the best from us when it comes to performance, scalability and reliability. This category shows the results of our efforts to continually offer you scalable, high-performing video recording software - so that you can count on getting the industry's best performance.

Smart Client hardware accelerated video decoding

Gives significant performance improvements both in video rendering performance and up to a 75% reduction in the CPU load of the workstation that runs the XProtect Smart Client. Support for decoding video using Intel® Quick Sync (utilizing the Intel GPU that is embedded in Intel CPUs).

Added in 2016

Smart Client hardware accelerated video decoding (NVIDIA)

Allows users to add several NVIDIA graphic cards to their Smart Client machines and use that power to display more than twice as many high-quality streams without increasing the CPU load.

Added in 2018 R1

64-bit Recording Server

A 64-bit version of an application or service is not limited in how much memory it can address and use, which means it can handle more data. For the Recording Server this translates to recording many more cameras compared to what is possible with the 32-bit version.

Added in 2013

Hardware accelerated video decoding in the Mobile Server

Decoding in the XProtect Mobile Server takes advantage of the processing power in the Graphical Processing Units (GPUs) to reduce CPU load and improve performance of the Mobile Server. XProtect automatically detects decoding capabilities for the installed GPUs and distribute the load between all compatible hardware and eventually the CPU.

Added in 2018 R2

Adjustable transcoding logic (Mobile)

Optimization of the video transcoding in the Milestone Mobile server means improved scalability with multiple users and intelligent bandwidth adaption.

Added in 2014

64-bit Event Server

This component includes significant performance improvements and can take full advantage of the available hardware resources (particularly memory).

Added in 2016

Runs on 64-bit servers (Mobile)

The Milestone Mobile server component is capable of running on 64-bit servers, enabling users to run more cameras and/or users on fewer servers.

Added in 2013

XProtect Smart Client – Player 64-bit support

Make the most of the system and enjoy the full XProtect Smart Client experience, even when exporting video with a 64-bit player – now with better H.256 and plug-in support.

Added in 2019 R1



Ease of use

Ease of use is at the heart of everything we do. This category shows the results of our efforts to provide you with a solution that is easy to work with in every aspect - from the initial installation and configuration through to the final everyday usage.

Automatic adjustable motion detection sensitivity

Significantly enhances the accuracy of motion detection analysis in environments with changing light conditions, while eliminating the need for manual adjustment.

Added in 2014

Smart Connect (Mobile)

Besides offering the easiest set-up process in the industry, Smart Connect also helps system integrators verify and validate that the setup is correctly configured before they hand it over to the customer.

Added in 2016

Simplified mode (Smart Client)

Occasional users can choose to run XProtect Smart Client in a simplified mode, which has only the most common and basic video functionalities.

Added in 2016 R2

Camera search (Mobile)

Camera search function promptly finds cameras, types of cameras and camera views in the system.

Added in 2014

Simplified export panel (Smart Client)

A refinement of the simplified operation mode in the Smart Client, the simplified export panel offers an optimized user interface for video export.

Added in 2016 R3

Software Manager

Software Manager provides users with a centralized way of installing, uninstalling and upgrading large-scale, multi-server Milestone installations, link to <https://www.milestonesys.com/utilities>

Added in 1.1

Smart Start features

A new range of automatic management features in the software make it easy to effortlessly configure and maintain Milestone installations.

Added in 2016 R2

Automatic configuration wizard

Users at all levels can get started easily with XProtect with the automatic configuration wizard that removes obstacles and challenges during initial deployment.

Added in 2013

Automatic camera discovery

Enables users to quickly expand their installation because the system automatically detects and configures cameras being added to an existing system.

Added in 2013

Simplified upgrade process

Enhances and simplifies the overall user experience and processes when performing product updates.

Added in 2014

Define PTZ presets (Smart Client)

Makes it possible for users to create, edit and delete PTZ presets for pan-tilt-zoom cameras directly in the XProtect Smart Client, thereby eliminating the need to use the Management Application.

Added in 2013

Pre-activated license model

Provides easy surveillance deployments and ongoing maintenance without the need to perform license activation for cameras that are added to the system.

Added in 2013

Alarms and notifications (Web Client)

Users get a quick overview of incidents flagged in the system since their last log in, so they can quickly take action if needed.

Added in 2017 R1

Customer Dashboard

An online system health monitoring service that enables resellers to obtain a real-time overview of the system status of their customers' installations and proactively solve any potential issues.

Added in 2013

Easy access to adding servers (Mobile)

A new welcome screen that provides users with an easier way to add servers or to explore Milestone Mobile using the Demo Server.

Added in 2013

Export (Mobile)

Users have extended remote capabilities and can take immediate action on incidents with the ability to view, define and create video exports on the go.

Added in 2013

Investigation mode (Web Client)

Users get a smooth, more complete investigation experience by being able to download video immediately or save it for later usage. This means users can share video or still images with other online users, eliminating the need to burn evidence to a DVD or put it on a USB flash drive

Added in 2016

PTZ control mouse gestures (Web Client)

Easy navigation of PTZ cameras using mouse gestures.

Added in 2017 R2

Push notifications

Get notifications on your mobile phone when system alarms are triggered so you always know when something needs your attention.

Added in 2016

Video Push (Mobile)

Turns a smartphone or tablet into an active surveillance camera because it allows users to use their mobile device's camera as a camera in the XProtect VMS.

Added in 1.1



Cybersecurity and user rights

Ensuring the security and integrity of your installation is always a top priority for us. This category shows the results of our efforts to protect the system from theft and damage to the hardware or software - as well as from disruption or misdirection.

Secure HTTPS camera connection - Critical Update

Provides bidirectional encryption of communication and prevents eavesdropping and tampering with the contents of the communication.

Added in 1.1

Dual authorization (Smart Client) - Critical Update

Offers an additional level of system security for customers operating high-security installations, as users are granted access to the system only when a second user or supervisor has confirmed the login with a successful authorization by the second user.

Added in 2016



Interoperability

This category shows the results of our efforts to ensure that your products and equipment can work with other systems or products, bringing you the best possible value – now and in the future.

Milestone Open Network Bridge

Milestone Open Network Bridge is a part of the Milestone Open Platform, offering an open ONVIF compliant interface for standardized and secure private-to-public video integration. It ensures full video interoperability in multivendor installations, enabling law enforcement, monitoring stations and similar private or government organizations to easily integrate video from any Milestone Husky™ NVR or XProtect VMS product into their central monitoring solution.

Added in 2016

ONVIF Bridge playback support

Includes the ability to do forward playback with different speeds and backward playback for an improved investigation experience.

Added in 2017 R1



Core VMS

We have been bringing value to you and more than 500,000 customers worldwide since 1998. This category shows the results of our efforts to expand and optimize the capabilities expected of the globally leading VMS provider.

Single layer map

Graphical overview of the entire installation provides visual assistance to identify and navigate through different cameras and camera views.

Added in 2014

Control outputs and events (Mobile)

Mobile devices can trigger outputs connected to the XProtect VMS, such as turning lights on/off , to have greater control while on the go.

Added in 1.1



Failover and redundancy

When you cannot accept any interruptions to your system: This category shows the results of our efforts to build solutions you can trust, with uninterrupted and continuous access to video.

System Watch

System Watch is a free utility that offers installers and operators an additional level of reliability for time-critical and high-risk installations. Link to:
<https://www.milestonesys.com/utilities>

Added in 1.1



Integration

XProtect is built on an open platform that brings you endless flexibility and possibilities. This category shows the results of our efforts to enable you to add custom, best-in-class security solutions to your surveillance - and video-enable your security and business systems.

Support for generic events

Enables easy and fast integration of third-party applications and systems via a simple message-based socket communication interface.

Added in 2014

Access control (Mobile)

Manage access control request and cardholder information from Milestone Mobile keeping you in control even on the go.

Added in 2017 R3

XProtect Access support

Add-on product to the XProtect VMS product suite that provides users with an easy-to-use interface to operate one or more access control systems from one single interface.

Added in 2014

Next Step

Already have Care Plus?

You have instant access to new product updates. Contact your reseller to update and safeguard your system to benefit from Milestone's continues innovative product development

Don't have Care Plus yet?

Care Plus gives you instant access to soft-ware updates three times a year. They make your product better, safer and more power-ful. Contact your reseller to join the Care Plus program.



Milestone Systems is a leading provider of open platform video management software technology that helps the world see how to ensure safety, protect assets and increase business efficiency. Milestone enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 150,000 sites worldwide. Founded in 1998, Milestone is a stand-alone company in the Canon Group.