

Technical Release Notes

XProtect[®] Video Management Software 2023 R1

Available March 7, 2023



These release notes cover the following XProtect® products and clients:

XProtect® Corporate 2023 R1

XProtect® Expert 2023 R1

XProtect® Professional+ 2023 R1

XProtect® Express+ 2023 R1

XProtect® Essential+ 2023 R1

XProtect® Smart Client 2023 R1

XProtect® Web Client 2023 R1

XProtect® Mobile 2023 R1

XProtect® Software Manager 2023 R1

New in XProtect VMS products 2023 R1

Installation experience

Backup the SQL Database(s) before XProtect upgrades: Ability to create system-wide configuration backup from the installer before upgrading your system to 2023 R1.

As of 2023 R1, the Milestone Diagnostics Tool provides the ability to run a system prerequisite check before upgrading your current installation to any currently supported version of XProtect.

Deploying XProtect VMS products with limited permissions on the SQL server

It is now possible to use pre-created databases during installation. This allows the XProtect VMS products to be installed with limited SQL permissions towards a managed on-prem database, instead of the previously required system administrator privileges.

This option is currently available using the command line installer. A knowledge base article on the Milestone website outlines this deployment method.

In addition, the process for changing the SQL connection strings has been streamlined for the four databases that VMS services use. They now exist as separate Windows registry keys that can be changed independently. This is typically needed if one or more databases are moved to a different SQL server. The Administrator Manual describes this process.

New Share service available to install alongside Management server

As of 2023 R1, we are releasing a first look at the Share service component. The Share service will be available to install as part of the Management server installer bundle and requires API GW also be installed, so the Mobile clients and server can consume it to generate and access links to bookmarks shared between operators. The new service requires encrypted connections to the Management server as it is only accessible via HTTPS.

Receive events from XProtect® through webhooks

In XProtect® 2023 R1 or later, rules in Management Client support the webhooks action. Create a webhook item in Management Client with the URL from any 3rd party service. Then, set up a rule to trigger it when an event happens in XProtect®

With webhooks, administrators are able to integrate with codeless platforms such as Zapier or IFTTT. It is simpler than ever to transform events happening in XProtect® to SMS messages, calls, new tickets, Team messages, or even blinking lights.

Administrators can use webhooks to send new events from XProtect® to their own web server running on premises or on the cloud. For instance, a Next.js API running on Vercel, a Flask API or an AWS Lambda function.

Changes and solved issues

Changes to the installation process compared to XProtect VMS Products 2022 R3

The XProtect Management Server 2023 R1 is not able to communicate with Recording Servers versions 2019 R1 or older. If an installation has Recording Servers version 2019 R1 or older, then both Recording Servers and Management Server need to be updated to 2023 R1 to be operational. Once the Management Server is upgraded to 2023 R1, Recording Servers that are version 2019 R1 (or older) will be operating in offline mode until they are upgraded. It is possible to upgrade via an intermediate version to entirely avoid Recording Servers going offline.

As of 2023 R1, the installation speed of the Management Client component is up to three times faster.

Changes compared to XProtect Management Client 2022 R3

No changes.

Changes compared to Recording Server 2022 R3

No changes.

Changes compared to XProtect Smart Client 2022 R3

New way of working with live and recorded material. The video is now presented on a video tab that can play both live and recorded.

- The operator now can change between live and playback on a toggle in the main timeline
- Buttons for Export, Evidence Lock and Retrieve Edge Recordings have been relocated to the workspace toolbar.

Updated user interface in the Export tab – The tab itself and underlying dialogs have been updated to enhance the user experience and ease of use.

Better time synchronization of bounding boxes on top of video to position them more accurately on top of the object they are highlighting.

Connection status now indicated with a green or red indicator in the top right corner.

Changes compared to XProtect Web Client 2022 R3

Live tab now becomes Views tab, and there is a new timeline for switching between live and playback modes in the Views tab.

- Play backward and forward in Playback mode on multiple and single camera views

- Go to previous and next recording controls in Playback on multiple and single camera views
- Control playback speed and timeline ruler zoom level in Playback mode on multiple and single camera views
- Shuttle control for temporarily updating the playback speed backward or forward in playback mode on multiple and single camera views
- Bookmarks and recorded sequences visible in playback mode
- Single click on bookmark on the timeline takes user to that bookmark open in the Bookmarks tab
- Timeline in Live collapsed by default.

All cameras view no longer available in Web Client to prevent performance issues with timeline and larger installations.

Changes compared to XProtect Mobile Clients 2022 R3

All features include analytics that help us improve the product. They are active only when the user allows tracking.

Share Bookmarks – The users who have credentials and permissions to view recordings and bookmarks from certain cameras will be able to share links to bookmarks between each other

Smart Maps – The users will be able to see the cameras that are placed via coordinates in the mobile clients as well

Background Picture in Picture (for Android users only) – The users will be able to multitask; browse between apps, while they are viewing LIVE of a single camera is a smaller window on their screen

Native Screenshots for Android – Now the users can take a screenshot with Android as well. In iOS the function already exists

Extended use of biometrics or device credentials – To further improve the app security, you can use biometrics or your device credentials before you edit or delete a mobile server.

Changes compared to Mobile Server 2022 R3

- All cameras view option in Mobile server node renamed to clarify All cameras view is now only available in Mobile clients
- Mobile server down now visible in System monitor
- GDPR compliance – audit log enhancements for Investigations created, edited/ saved, download package prepared and download started
- Smart maps enablement for Mobile clients
- Operator collaboration via Share service to enable sharing of links to preview bookmarks between Mobile client users.

Changes compared to Software Manager 2022 R3

No changes.

Downloads and documentation

The XProtect VMS 2023 R1 software, release notes, administrator manual, and the XProtect Smart Client user manual are all available for download via the following link:

<https://doc.milestonesys.com/>

Feature compatibility

Please refer to [XProtect Product Comparison Chart](#)

Localization

Please refer to <https://www.milestonesys.com/support/tools-and-references/supported-languages/>

System requirements

Please refer to <https://www.milestonesys.com/SystemRequirements>

Product availability

XProtect VMS Products 2023 R1 is available **March 7, 2023**.



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.