

Technical Release Notes

XProtect[®] Video Management Software 2023 R2

Available June 20, 2023



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

XProtect® Corporate 2023 R2

XProtect® Expert 2023 R2

XProtect® Professional+ 2023 R2

XProtect® Express+ 2023 R2

XProtect® Essential+ 2023 R2

XProtect® Smart Client 2023 R2

XProtect® Web Client 2023 R2

XProtect® Mobile 2023 R2

XProtect® Software Manager 2023 R2

New in XProtect VMS products 2023 R2

Adaptive Playback

The 2023 R2 VMS release introduces support for adaptive playback. Like adaptive streaming in live mode, adaptive playback allows recording two simultaneous video streams from the same camera, making it possible for the Smart Client to retrieve the stream with the resolution that best matches the current view size. This reduces overall network load and reduces performance requirements on the PC running Smart Client.

Video Restrictions

The 2023 R2 VMS release introduces support for video restrictions. With the video restrictions functionality, it is possible to limit access to certain video sequences (video, audio and device metadata) to only operators that are authorized to view restricted video. A new set of user permissions defines who can create, view, edit, and remove video restrictions.

Deploying XProtect VMS products with limited permissions on the SQL server

The installer UI now supports using pre-created databases during installation. This allows the XProtect VMS products to be installed with limited SQL server permissions towards a managed on-prem database, instead of the previously required system administrator privileges.

Adaptive View for Export

When viewing exported video in the XProtect-format using the Smart Client Player, you now get an alternative way of viewing video, where the camera layout will automatically adapt according to the number of cameras playing simultaneously to maximize view size.

Changes and solved issues

Changes compared to XProtect VMS Products 2023 R1

As of 2023 R2 it is no longer possible to download DLNA from the Corporate installer page. DLNA 2023 R1 will be able to work with XPCO products 2023 R1 or older and won't be compatible with 2023 R2 or further versions.

Changes compared to XProtect Management Client 2023 R1

The Management Client now supports Windows scaling, which is useful when the Management Client runs on high-resolution monitors.

Changes compared to Recording Server 2023 R1

The startup time for Recording Server failover has been improved. Normal failover now starts up to 25% faster and hot standby failover starts up to 35% faster.

Changes compared to Log Server Recording

The log server now uses the same certificate configuration as other services. This can be set during installation or from Server Configurator.

Changes compared to XProtect Smart Client 2023 R1

The XProtect Smart Client Player will now prompt the user to accept or decline sending anonymous usage data to measure and improve the performance of the application. The users choice will be saved for that Windows-user and will be valid for 6 months, after which the user will be prompted again.

Updated Export tab allows making Privacy Masks directly in the export tab instead of in a modal window.

Warning message regarding connecting to systems running without certificates for encryption now only shown once per operator per workstation if the operator chooses to save the choice made. The Smart Client will visualize status in the top right corner if connected to a system that is not running with certificates.

Updated timeline control for better visibility and navigation. Smart Client Profile settings allows for the timeline control to auto hide when shown in Smart Wall views or normal views.

Changes compared to XProtect Web Client 2023 R1

Web Client displays an error message when a user attempts to download a pre-prepared Investigations download package, if that user doesn't have the permissions for export for one or more cameras in the Investigation. No download link is generated, and the user can't get to the prepare packages UI.

The Bookmark preview popup is introduced to allow users to preview and interact with Bookmarks from within the Timeline and the Views tab, without having to navigate to the Bookmarks tab. When opened, the Bookmark preview popup immediately starts playing the bookmark footage and will automatically loop it back from the start if it remains open.

The Add a detailed/ Edit bookmark dialogue is now redesigned with the new Timeline included. The new dialogue allows for timeline zoom to be adjusted by using the keyboard control and mouse wheel commands, as it works in Smart Client. Additionally, the brackets for selecting Bookmark Start, End and Bookmark event times have been redesigned and playback between the brackets automatically loops back to provide the user with confirmation that the selected clip between the brackets is the correct one.

A new date and time picker has been introduced to the Web Client timeline. It can be accessed in Playback expanded or collapsed mode and in Live – only in collapsed timeline mode. The redesigned date and time picker will for now only be accessible from the new Timeline in Views tab and provides a better user experience regardless of whether users prefer manually typing the date they would like to navigate to on the Timeline, or if they prefer to use the calendar controls.

Changes compared to XProtect Mobile 2023 R1

For Android and iOS users

Share live video:

- Users can now collaborate easily and faster with their co-workers, they can now share live video from any camera in their VMS using the XProtect Mobile app.

Location on Smart Map:

- To easily find and view video from the cameras closest to the user, they can now see their current location on the Smart Map.

Grid view with all cameras visible on Smart Map:

- Users can now watch live video in a grid view with all cameras in the area that is visible on the Smart Map.

Changes compared to XProtect Mobile server 2023 R1

Mobile server now checks if Management server has encryption enabled before enabling the Share service feature flag for Mobile Clients. If no encryption is detected – Share service is unavailable and Mobile Clients will not display share options in their UI.

Audit logging is enhanced for create, update, export and delete Investigations and Mobile server returns an error when unauthorized user attempts to download a prepared export package.

Updated Notifications tab in Mobile server Admin plugin to enable administrators to remove one or all devices registered for Push notifications for the selected Mobile server. Additionally, device registrations are automatically removed from Push subscription list in case the VMS user is removed or the VMS role the user belongs to has its rights to login to Mobile Client revoked.

Updated MultiStream change command with the option to request previous or next frame per single camera provided to the command.

Changes compared to Software Manager 2023 R1

No changes.

Downloads and documentation

The XProtect VMS 2023 R2 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 R2 is available **June 20, 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.