

Manual

Panomera S-Series v1.0

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Target audience for this document

The installation and configuration part of this document is aimed at system administrators of Milestone XProtect.

The operation part of this document is aimed at system administrators and also system operators with basic knowledge of Milestone XProtect.

As this manual contains specific details about the integration between Milestone XProtect and Panomera S-Series cameras, it is recommended for system administrators to check the following sources of information:

- Milestone XProtect 2020 R3 (XProtect Management Client and XProtect Smart Client) help for system operators to check at least:
- Milestone XProtect 2020 R3 (XProtect Smart Client) help

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This product may make use of third party software for which specific terms and conditions may apply. When that is the case, you can find more information in the file *3rd_party_software_terms_and_conditions.txt* located in your Milestone surveillance system installation folder.

General description

Introduction

The Panomera S-Series is an integration, which supports number of features including:

- Viewing areas visualization of the Panomera camera sub-modules over the view of the Panomera camera main module
- Easy navigation from the Panomera camera main module to a sub-module

Solution overview

The Panomera S-Series integration includes XProtect Management Client and XProtect Smart Client plug-ins.

XProtect Management Client plug-in

- The Panomera camera main module must be added
- Username and password must be added for connecting to the Panomera camera main module API for retrieval the geometry of the Panomera camera sub-modules
- The Panomera camera sub-modules must be added

XProtect Smart Client plug-in

- Adding the Panomera S-Series view item any view
- Video streaming from the Panomera camera main module (the zoom functionality is disabled)
- Reading geometry information retrieved from the Panomera camera main module API and representing the viewing areas of the configured Panomera camera sub-modules as blue rectangles
- Video streaming of the Panomera camera sub-module in a view window by using drag and drop or a floating window by selecting it from the view of the Panomera camera main module (including zoom functionality)

Installation

Prerequisites

The Panomera S-Series integration is compatible with:

- Milestone XProtect Corporate 2020 R3 or newer
- Panomera S-Series cameras with firmware v8.5.3.9

Installer

The Panomera S-Series integration consists of one installation file supporting Windows 64-bit only:

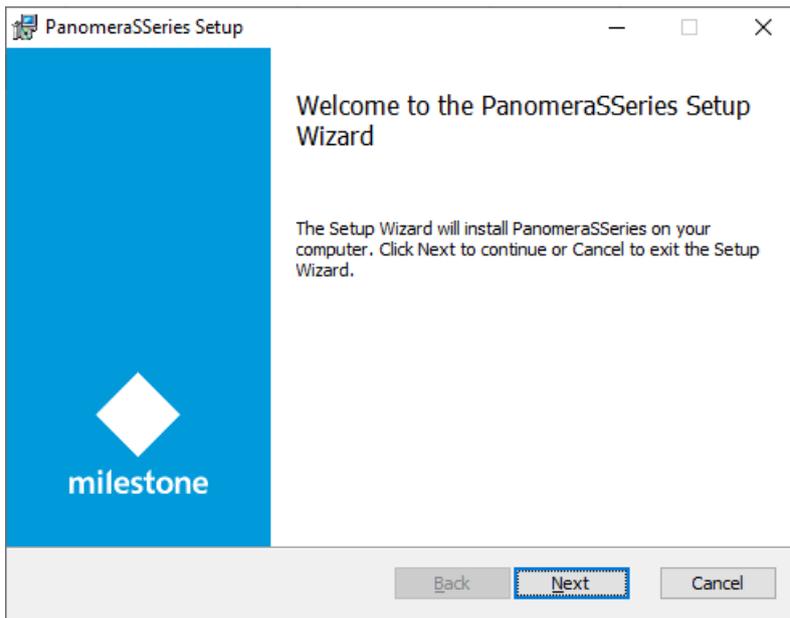
- *PanomeraSSeries_1.0.X.X.msi*

The Panomera S-Series integration must be installed on the following computers:

- On the computers where the XProtect Management Client is installed
- On the computers where the XProtect Smart Client is installed

Installation steps

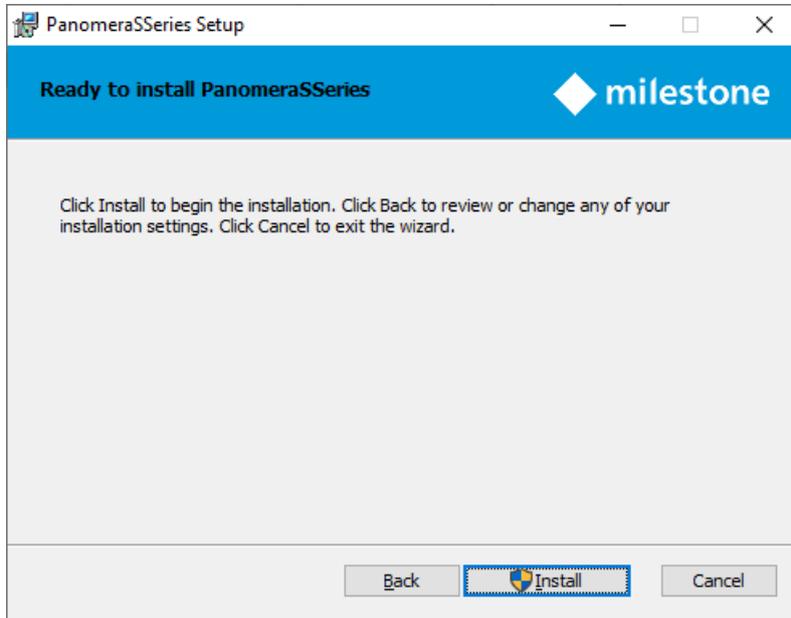
1. Start the installation by executing *PanomeraSSeries_1.0.XX.X.msi*.
2. Click **Next**.



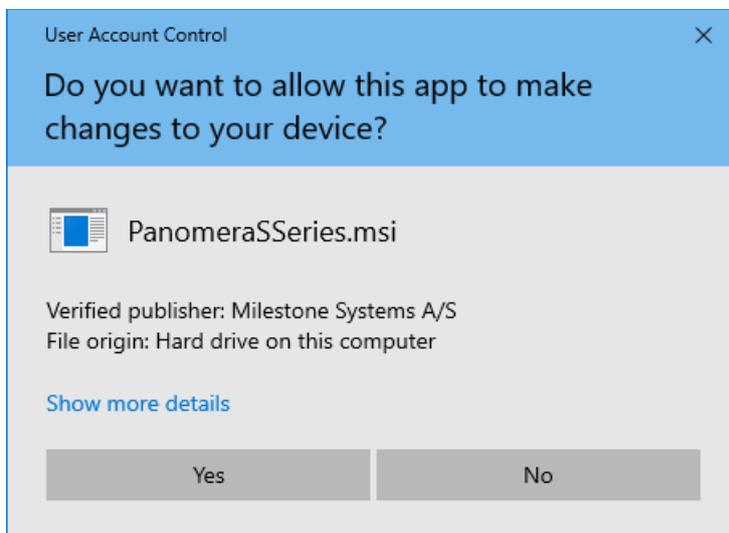
3. Read the license agreement carefully and select the **I accept the terms in the License Agreement** box. Click **Next**.



4. Click **Install**.

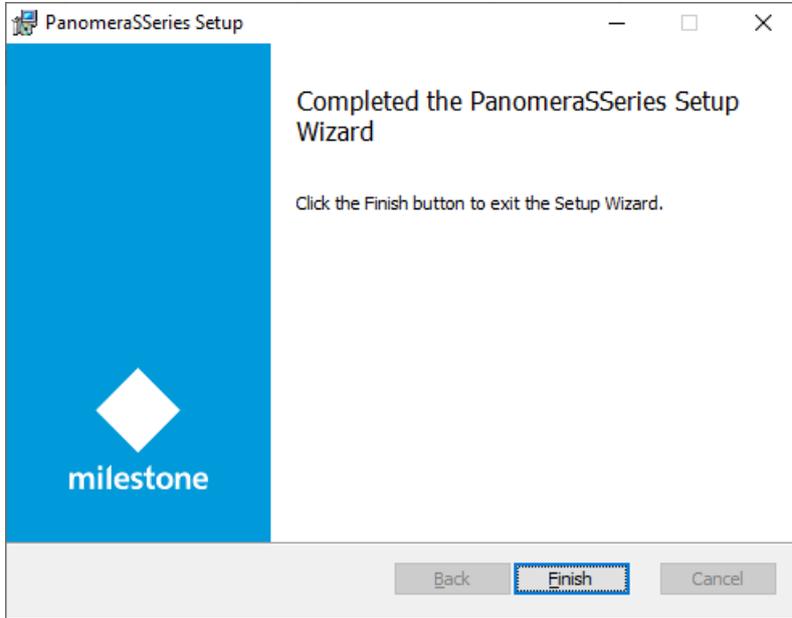


5. Click **Yes**, in case the following message appears on the screen.



6. The next steps are executed automatically.

7. Click **Finish**.



License

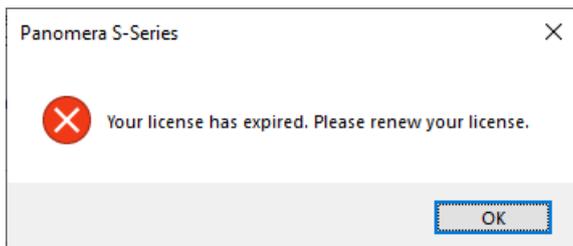
This solution does have a build-in **MIP** license check that is locked to the software license code (SLC) of the XProtect installation of which it is a part.

It automatically comes with a 30 days grace period which starts from the date when the plug-in is installed. After the grace period expires, a permanent **MIP** license is needed.

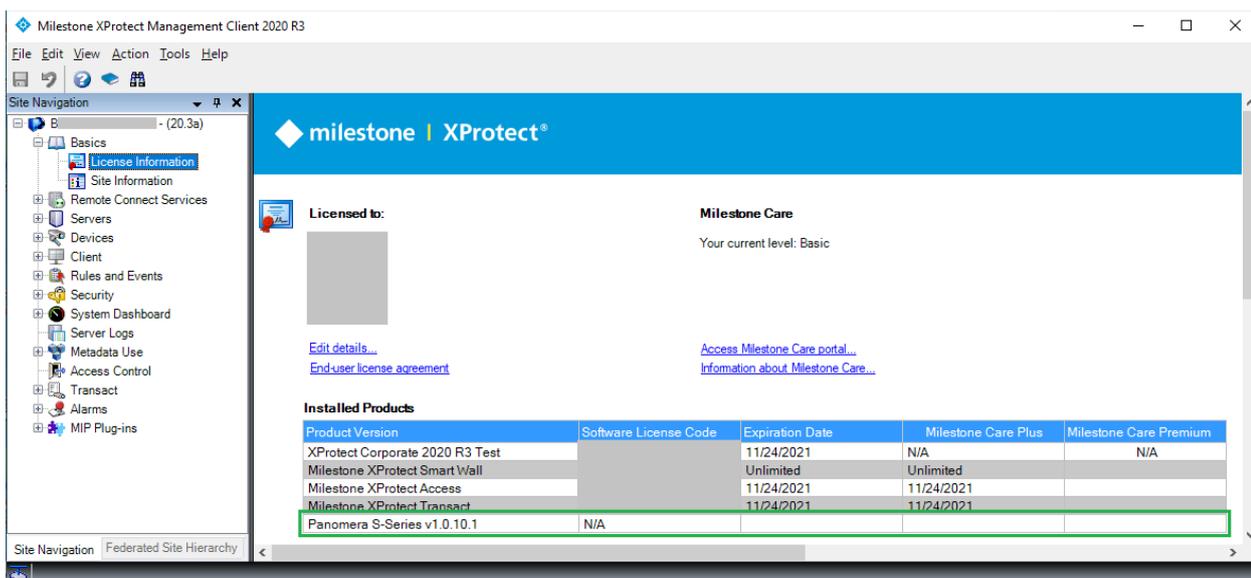
The permanent **MIP** licenses are provided by the distributor. In order to generate a permanent **MIP** license, the distributor must know the SLC of the XProtect system where the solution has been installed. Collect the SLC and send it to the distributor, preferably via email.

When the permanent **MIP** license is acquired, the XProtect system must be reactivated, either online or offline.

If **MIP** license check fails, the plug-in will issue error messages and will have a reduced functionality.



The license information can also be checked in the XProtect Management Client > **Site Navigation** > **Basics** > **License Information** > **Installed Products** > **Panomera S-Series v1.0.X.X**



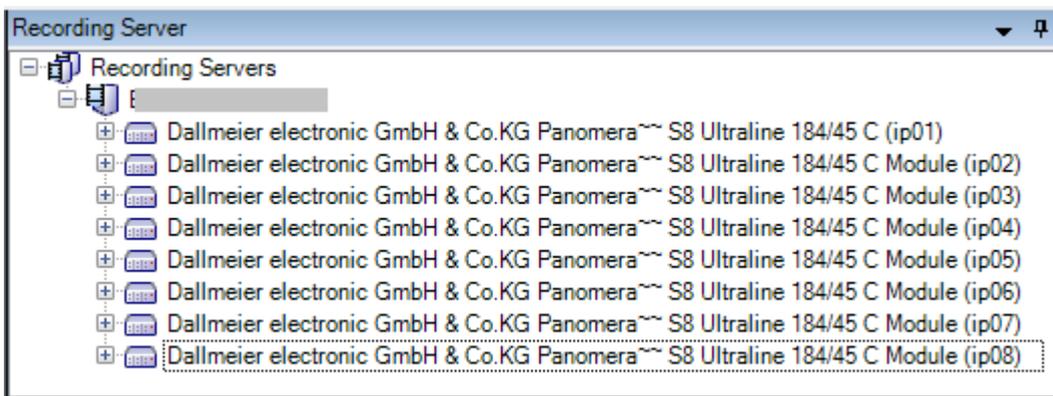
Product Version	Software License Code	Expiration Date	Milestone Care Plus	Milestone Care Premium
XProtect Corporate 2020 R3 Test		11/24/2021	N/A	N/A
Milestone XProtect Smart Wall		Unlimited	Unlimited	
Milestone XProtect Access		11/24/2021	11/24/2021	
Milestone XProtect Transact		11/24/2021	11/24/2021	
Panomera S-Series v1.0.10.1	N/A			

XProtect Management Client configuration

Add Panomera camera modules to a recording server

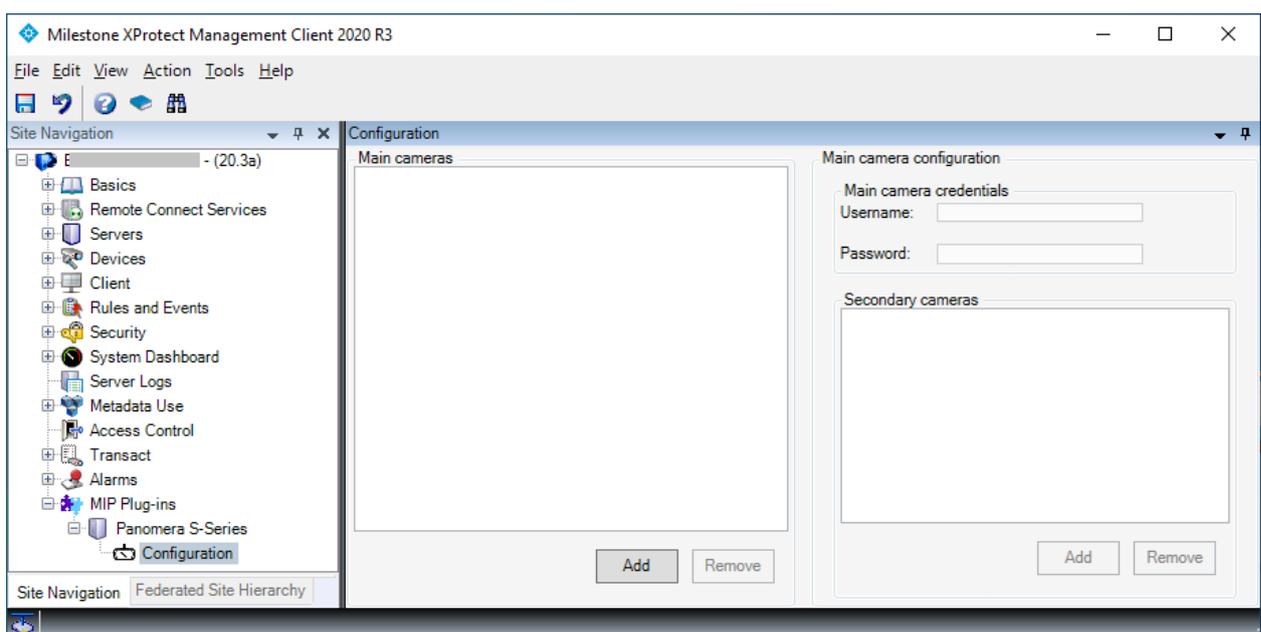
1. Open XProtect Management Client > **Site Navigation** > **Servers** > **Recording Servers**.
2. Right click on the current recording server and select **Add Hardware...**
3. Follow the wizard to add all the Panomera camera modules.

Note: For detailed description on how to add cameras to a recording server, see the Milestone XProtect (XProtect Management Client) help.

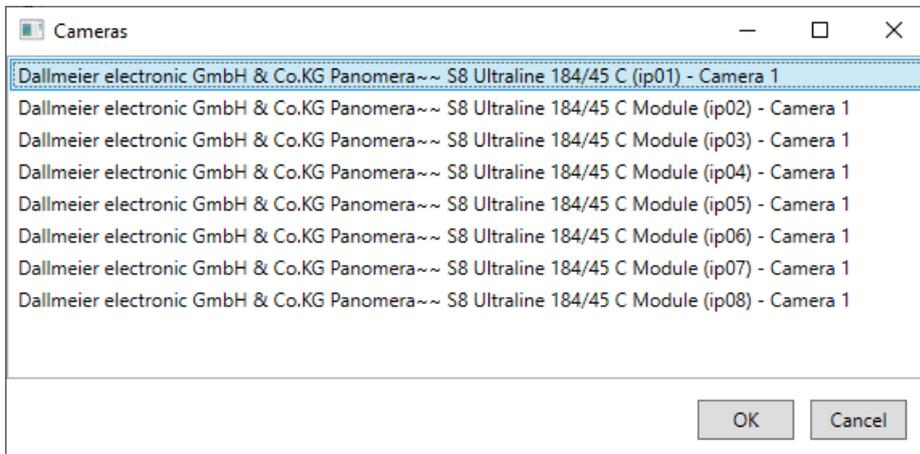


Add Panomera camera modules to the Panomera S-Series plugin

1. Open XProtect Management Client > **Site Navigation** > **MIP Plug-ins** > **Panomera S-Series** > **Configuration**.

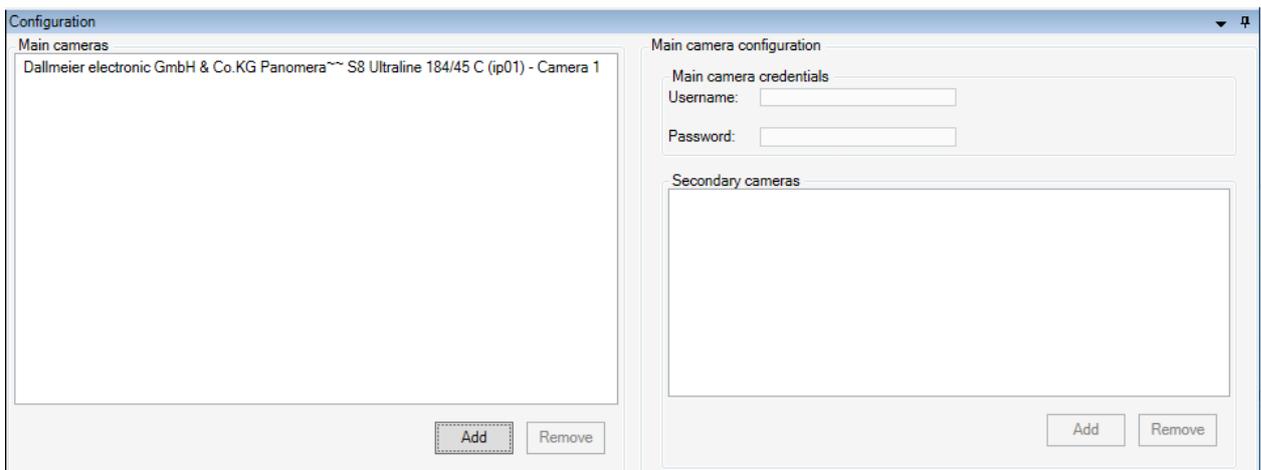


- Click **Add** in section **Main cameras**. A popup window **Cameras** is opened containing all available Panomera camera modules.

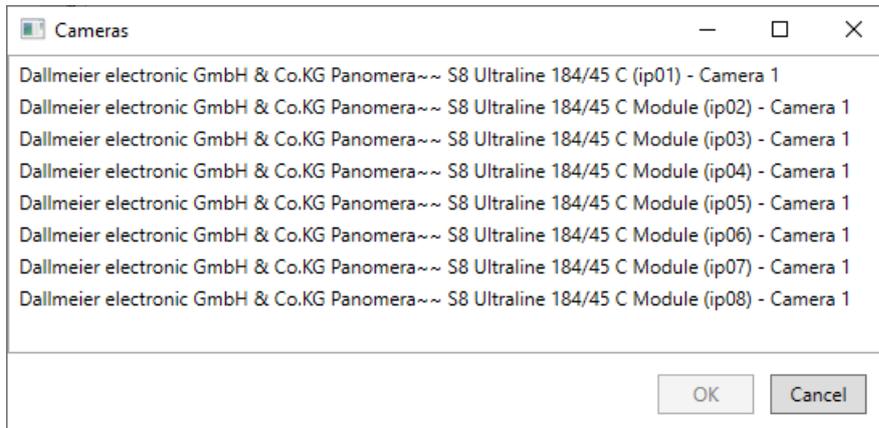


- Select the Panomera camera main module and click **OK** (double click on the item performs the same action). The main module appears in section **Main cameras**.

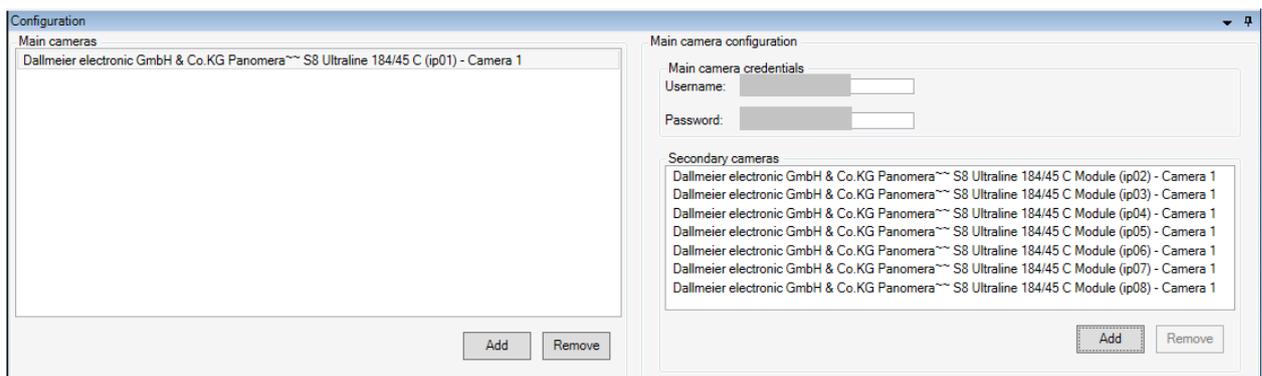
4.



- Click on the Panomera camera main module. Notice that the **Main camera credentials** (**Username** and **Password** fields) are now accessible. Insert the valid access credentials for the Panomera main module.
- Click **Add** in section **Secondary cameras**. A popup window **Cameras** is opened containing all available Panomera camera modules.



7. Select the modules based on your requirements and click **OK** (double click on the item performs the same action). **Secondary cameras** section is now filled with the selection of sub-modules.

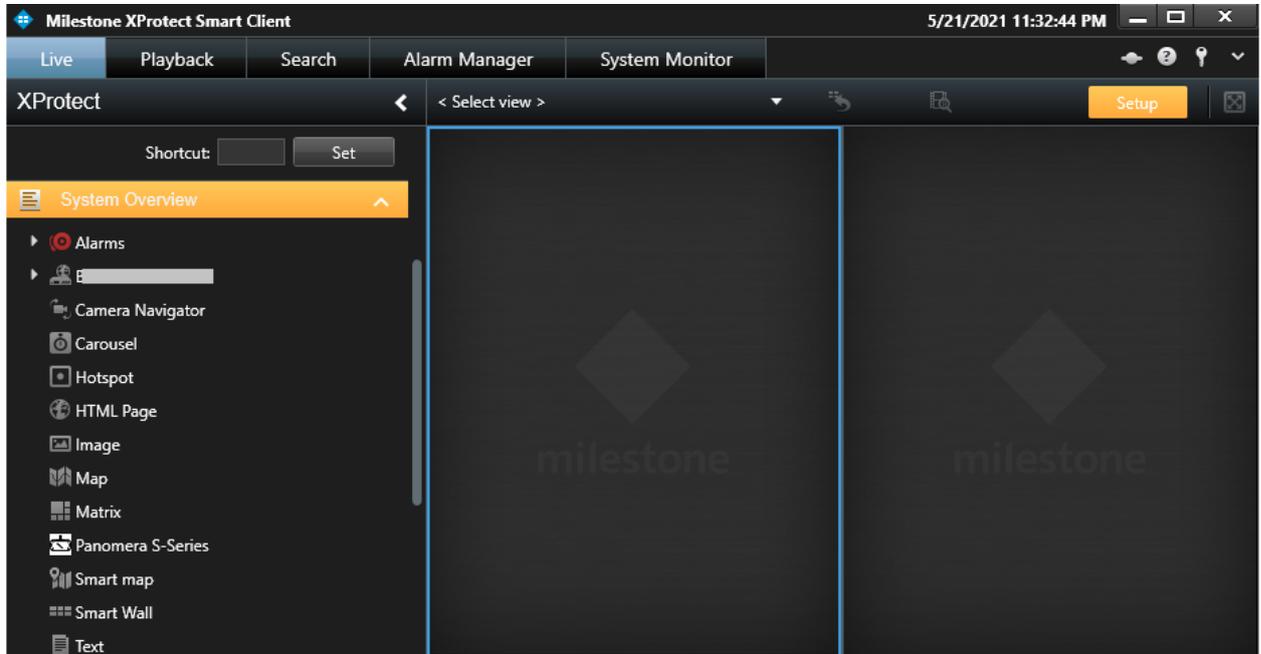


8. Click **Save** in the toolbar to save the configuration.

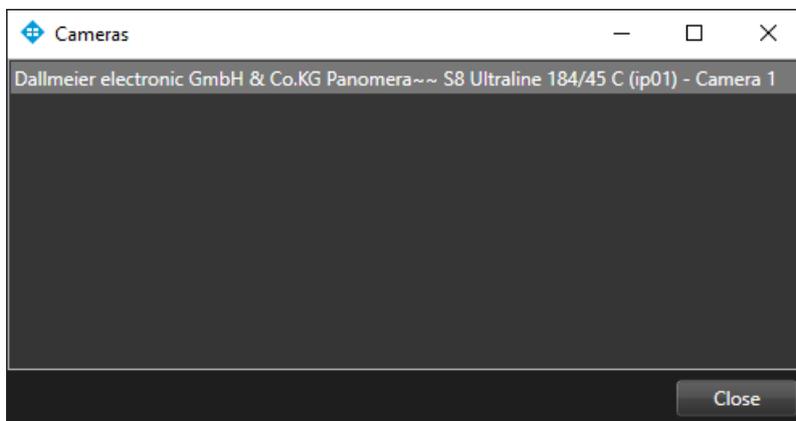
XProtect Smart Client configuration

1. Open XProtect Smart Client > **Live** tab.
2. In the upper-right corner, click **Setup**.
3. Add a **Group** and a **View**.

- In the **System Overview** pane, select **Panomera S-Series** and drag it to the view.

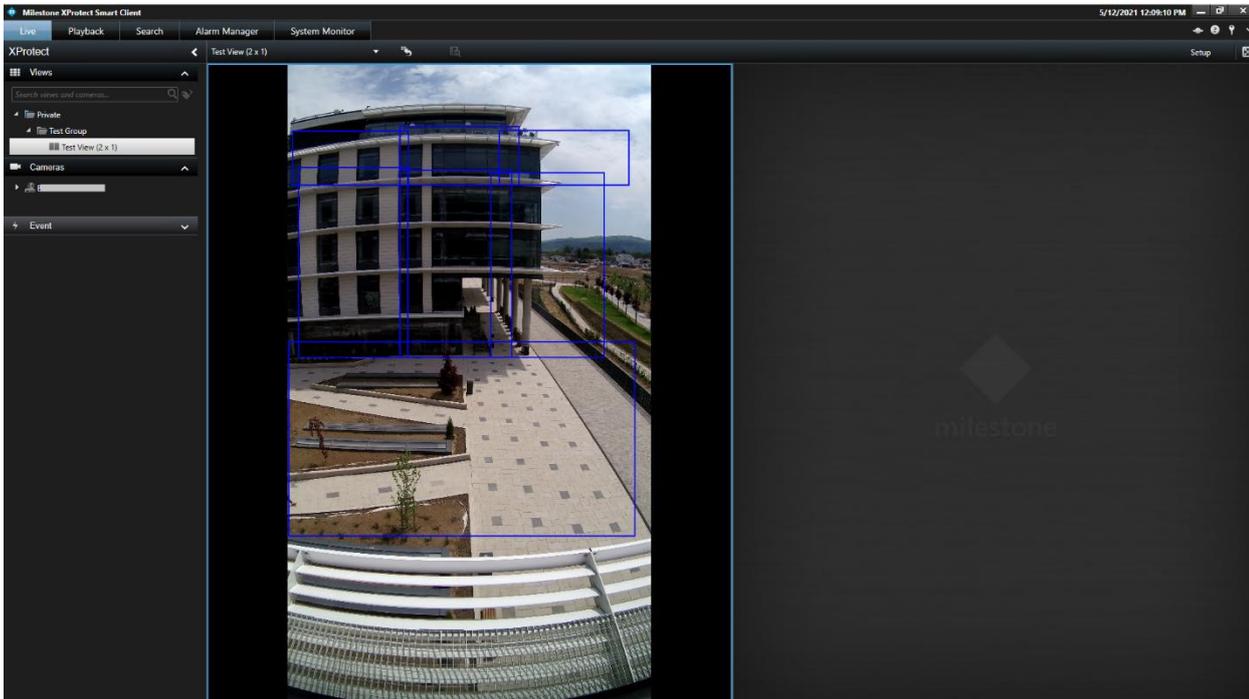


- In the **Cameras** dialog box, select the Panomera camera main module and click **Close**.



- Click **Setup** to complete the configuration.

The video stream of the Panomera camera main module is visualized in the view. Its zoom functionality is disabled. The viewing areas of the Panomera camera sub-modules are represented by the blue rectangles.



XProtect Smart Client operation

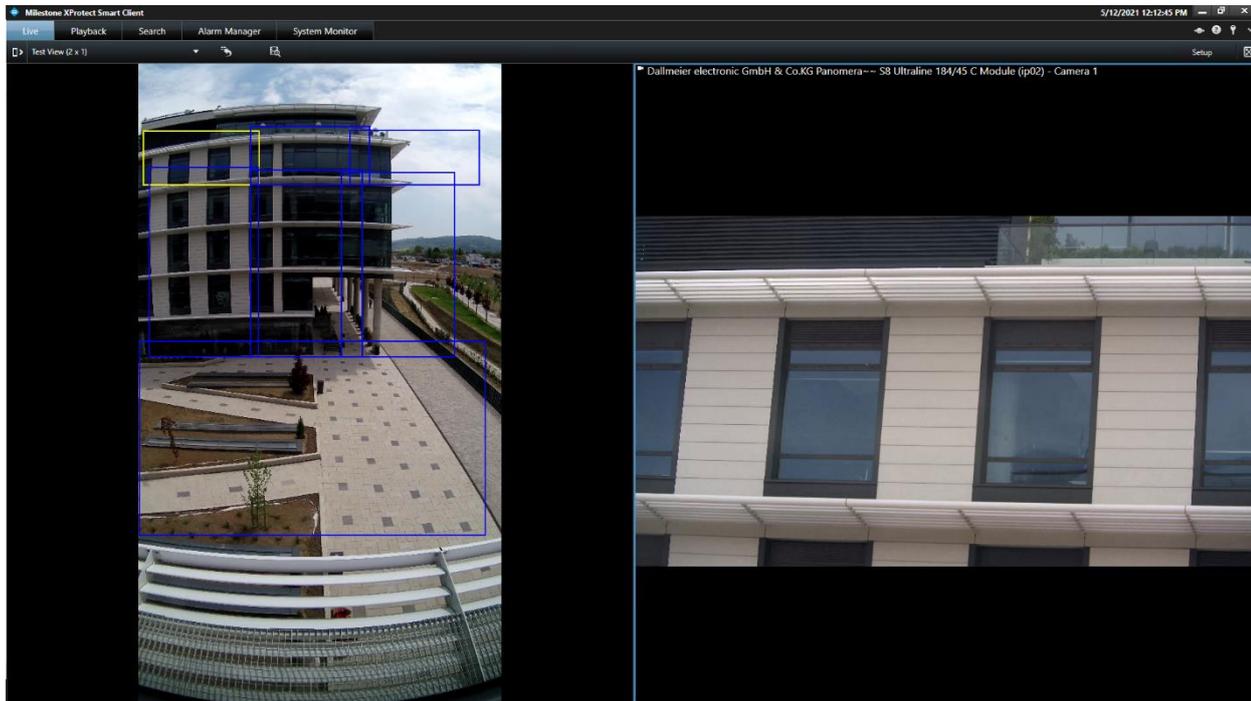
View window

Open XProtect Smart Client > **Live** tab. Drag a blue rectangle to a view window to open the video stream from the corresponding Panomera camera sub-module in a view window. The zoom functionality in the view window is enabled.

Also in the view of the Panomera camera main module, the blue color of the selected Panomera camera sub-module is changed to yellow, indicating this is the selected and displayed sub-module.

Note: That action adds the Panomera camera sub-module temporarily to that specific view window i.e., the configuration in the view window is removed when for example switching the views.

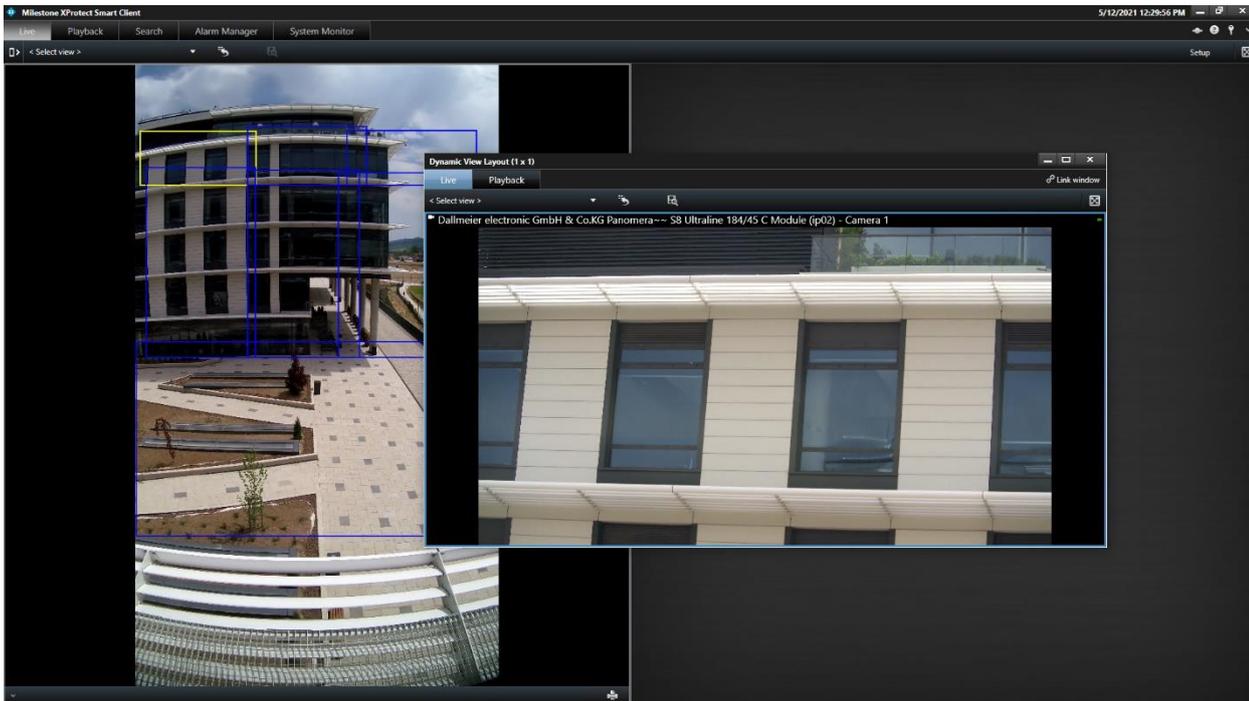
The blue rectangle of a Panomera camera sub-module cannot be dragged to a view window or opened in a floating window if the corresponding hardware or camera is disabled in the recording server.



Floating window

Open XProtect Smart Client > **Live** tab. Select a blue rectangle to open the video stream from the corresponding Panomera camera sub-module in a floating window. The zoom functionality in the floating window is enabled.

Also in the view of the Panomera camera main module, the blue color of the selected Panomera camera sub-module is changed to yellow, indicating this is the selected and displayed sub-module.



Note: The blue rectangle of a Panomera camera sub-module cannot be dragged to a view window or opened in a floating window if the corresponding hardware or camera is disabled in the XProtect Recording Server.

Troubleshooting

This section provides information, which helps the administrator solve cases where the integration fails working.

Case: Panomera camera main module cannot be added to an XProtect Smart Client view.

Cause	Action
MIP License has expired or is not activated.	First, consider re-activation of the license either online or offline. Check the license details in XProtect Management Client.

Limitations

The viewing areas representation of the Panomera camera sub-modules in the XProtect Smart Client is based on:

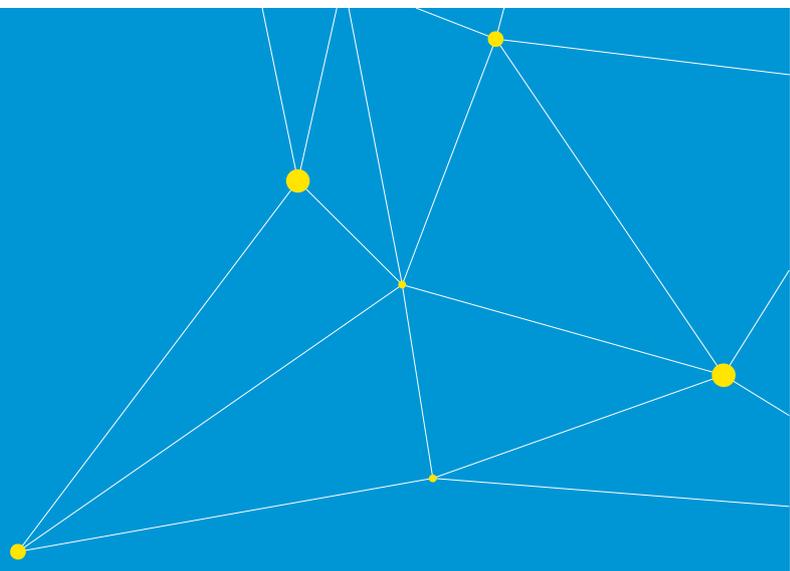
- the configuration in the XProtect Management Client which includes the configuration in the recording server and configuration in the **Panomera S-Series** plug-in.
- the geometry information retrieved from the Panomera camera main module API which comes as a result of the Panomera camera modules calibration. It is loaded only when adding the **Panomera S-Series** view item to a view.

The representation in the XProtect Smart Client is:

- updated in case of any changes in the recording server
- not updated in case the configuration in the **Panomera S-Series** plug-in and geometry reporting are changed which means that the **Panomera S-Series** view item must be re-added to the view if changing either of both configurations

Known issues

There are no known issues at the time of the release.



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.