

# InovaWall



## User Guide



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## InovaWall Introduction

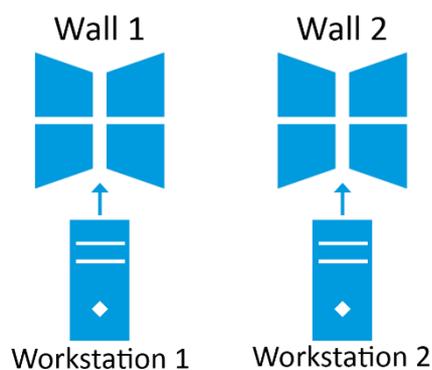
**This documentation refers only to the Basic version of InovaWall.**

InovaWall is a plug-in aimed at managing cameras in video walls from the XProtect Smart Client. It provides the capability to easily manage the cameras shown in a monitor of a video wall, as well as editing the monitor layout in a wall.

The plug-in is configured by a system administrator in the XProtect Management Client. It requires the administrator to configure a set of Roles that will match the amount of video walls. Each video wall has its own Role in the Management Client, which is then associated to the plug-in Item.

In the XProtect Smart Client, operators can change what camera is being displayed in each video wall. They can send a single camera to a View in a wall by selecting a monitor from the video wall and drag & dropping the camera to the camera square in the layout. The operator can also edit the layout of a monitor by selecting the wall and selecting one of the predefined layouts available.

**The plug-in functionality is limited to a maximum of 4 monitors in a video wall.**





## Installation and Deployment

### Prerequisites

The InovaWall plug-in must be installed on the machines running Milestone Systems XProtect Management Client and Milestone Systems XProtect Smart Client.

- ⚠ **The InovaWall plug-in requires a valid XProtect Software License Code.**
- ⚠ **It is recommended to follow the minimum requirements for Hardware Acceleration by using Nvidia graphic cards.**
- ⚠ **Please note that the product will not work until a Product license is activated. This operation is carried out by the Novanetworks team.**

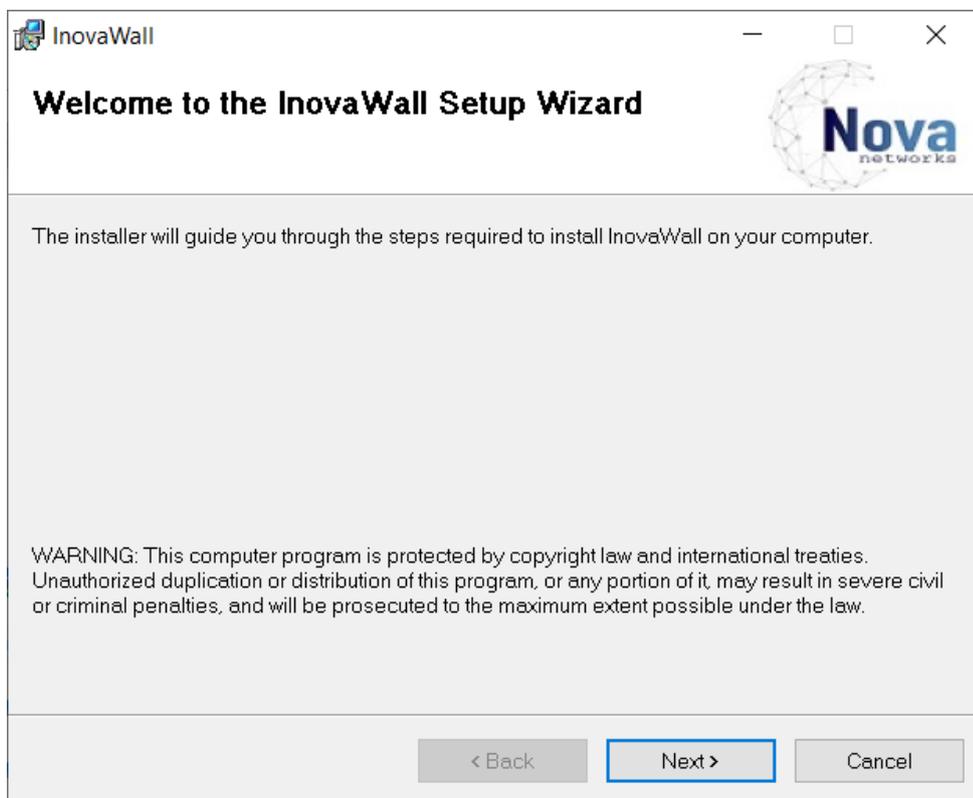
# Installation Procedure

## Install the Client Management plug-in

The wizard will guide through the installation steps from the default folder till the installation completion of the plug-in.

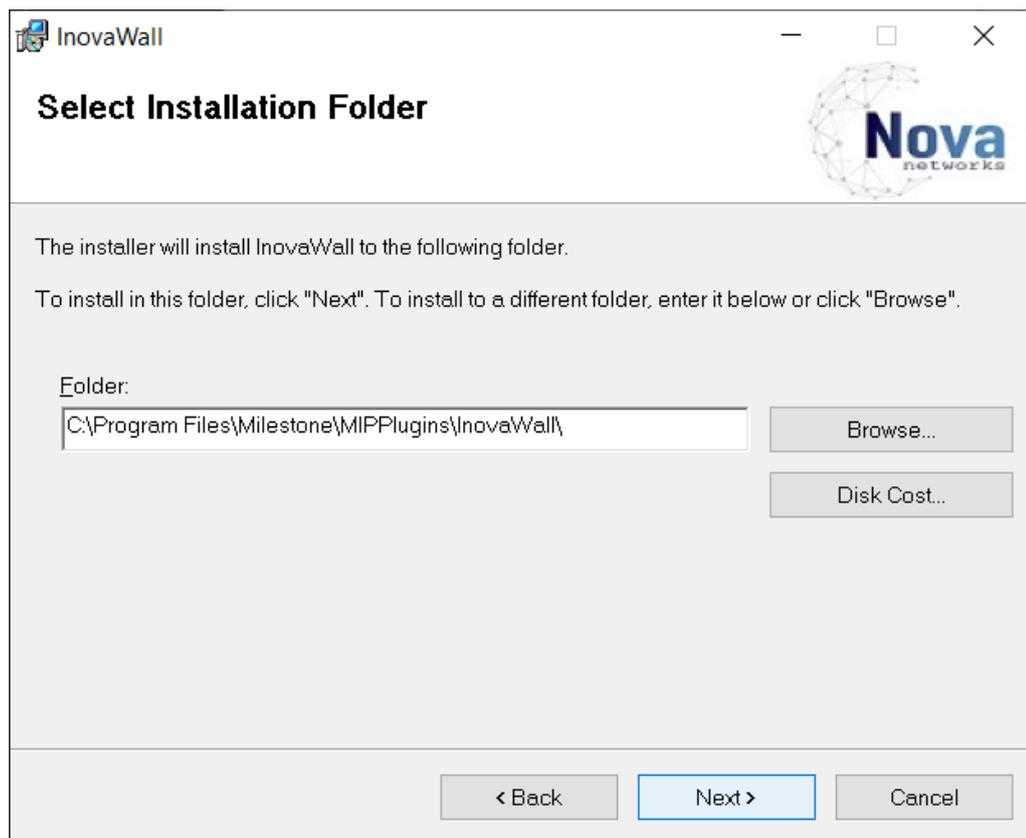
The following describes how to install the plug-in:

1. Double-click the executable program file of *InovaWall-plugin* to enter the welcome page of the Setup Wizard.



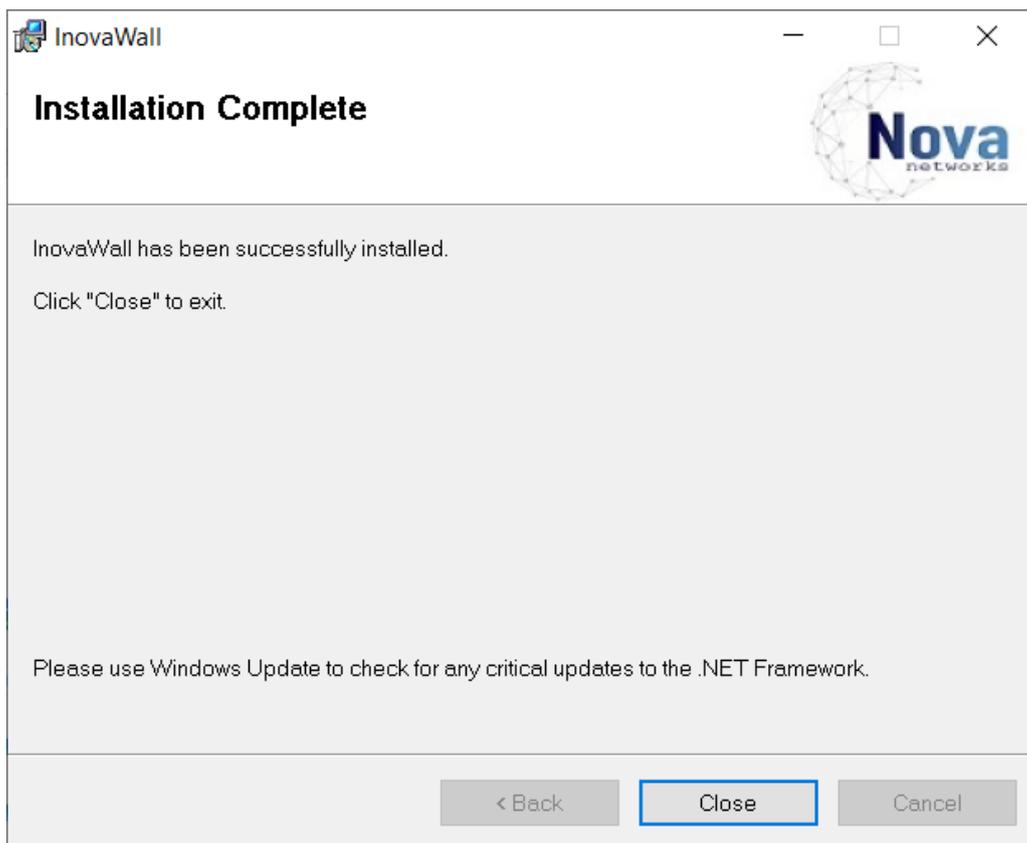
2. Click **Next** to start the setup wizard.

3. The plug-in must be installed in the corresponding Milestone MIPPlugins folder. The default path is “*C:\Program Files\Milestone\MIPPlugins*”. Click **Change** to select a proper directory as the installation location



4. Optional: Click **Back** to review or change any of the installation settings.

5. Click **Next** to start the installation. After starting installation, a progress bar will appear to show the installation status. Click **Cancel** to interrupt the installation process if needed.



6. Click **Finish** to complete the installation after the progress is ended.

## Install the Smart Client plug-in

Perform the same steps 1 to 6 as for the Plug-in Management Client installation.

# Configuration

## Role Configuration

Login to Milestone XProtect Management Client and navigate to the *Security* -> *Roles* node. When configuring the plug-in, the administrator must first create a set of Roles that will represent the video wall entities. **The administrator can't create new plug-in items without having configured their respective Role.**

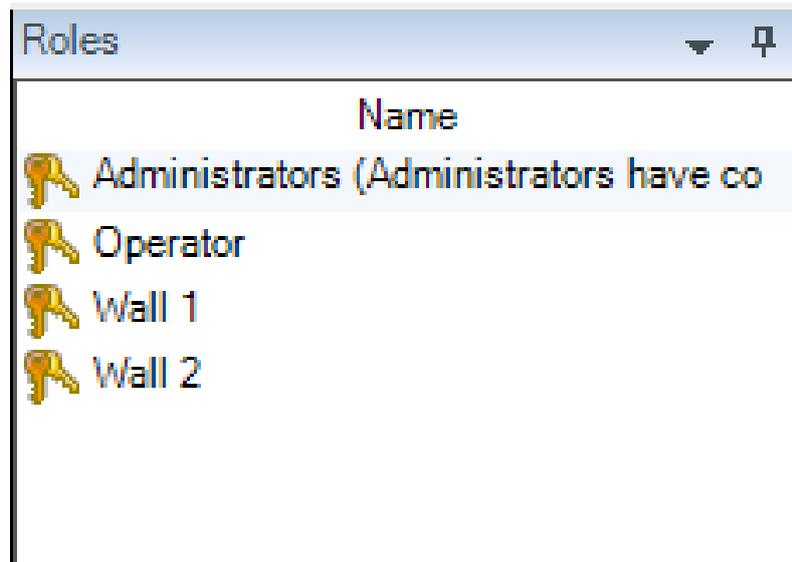


Figure 1 - Roles in Management Client.

## Management Plug-in Configuration

The InovaWall plug-in has a Role based approach, where the plug-in associates a Role to each video wall. In the User Control for the InovaWall plug-in the administrator creates plug-in items for each video wall Role, where it associates in the *InovaWall Applied to Role* selection to the respective Role.

A screenshot of a web-based configuration interface for the InovaWall plug-in. It shows two fields: "InovaWall Name:" with a text input field containing "Wall 1", and "InovaWall Applied to Role:" with a dropdown menu also showing "Wall 1".

InovaWall Name:	<input type="text" value="Wall 1"/>	InovaWall Applied to Role:	<input type="text" value="Wall 1"/>
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Figure 2 - InovaWall User Control in MIPPlugins tab.

## Access Configuration

The operator user must have access and be able to edit the ViewGroups, those it manages, as well as the cameras it controls. If the operator doesn't have access to the cameras, there is an indication in the View with: *“Camera not accessible”*. The video wall user must only have access to the ViewGroup that will be displayed on the monitors and the cameras that should be displayed in it. The video wall must only have one video wall View Group associated to it, with the same name as the associated Role.

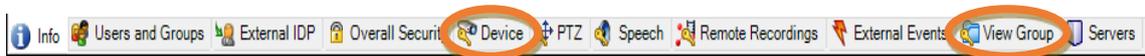


Figure 3 - Menus to configure the access to cameras and View Groups.

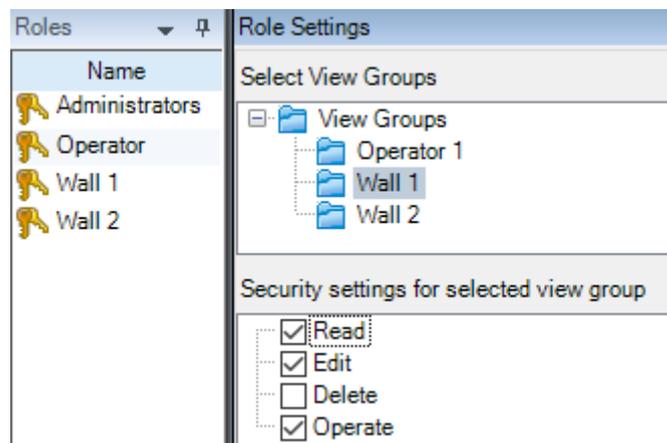


Figure 4 - View Group security settings for Operator Role example.

## Security Configuration

In the *Security -> Roles* node in the Management Client, by accessing the MIP configurations tab the administrator can configure the plug-in access for each role. **A User with the *Security Setting -> Enable UI* checked for InovaWall, has control over the InovaWall plug-in, and is considered to have an operator role on the video wall.**

- ⓘ On the other hand, **the video wall Role should have the *Read* ability checked for their specific video wall and all the rest should be left unchecked.**

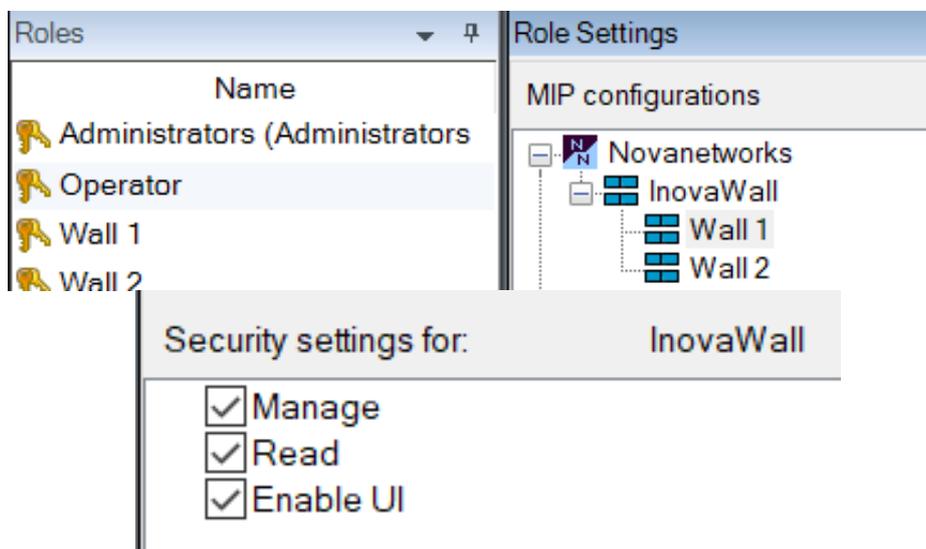


Figure 5 - Role Settings and Security Settings for the Operator Role

## XProtect Smart Client

### Wall Client

In the Smart Client associated to a video wall, the Views must each be attributed to their related monitor in the video wall, following the Windows display configuration.

- ⚠ **For the communication between the Operator's Smart Client and the video wall Smart Client to work, the plugin must be installed in the video wall machine.**

The InovaWall plug-in has no associated methods in the video wall Xprotect Smart Client.

## Operator Client

In the operator Smart Client, an operator can access the InovaWall plug-in tab to manage the video walls. There is a color code indication, green for available and red for unavailable, to distinguish which video walls are connected to the server.

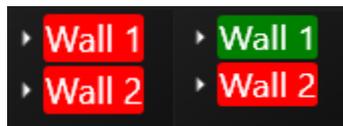


Figure 2 - Color coding for the video wall items.

On the left there are two menus: the video walls tree representation and the allowed cameras that the operator can insert in the View.

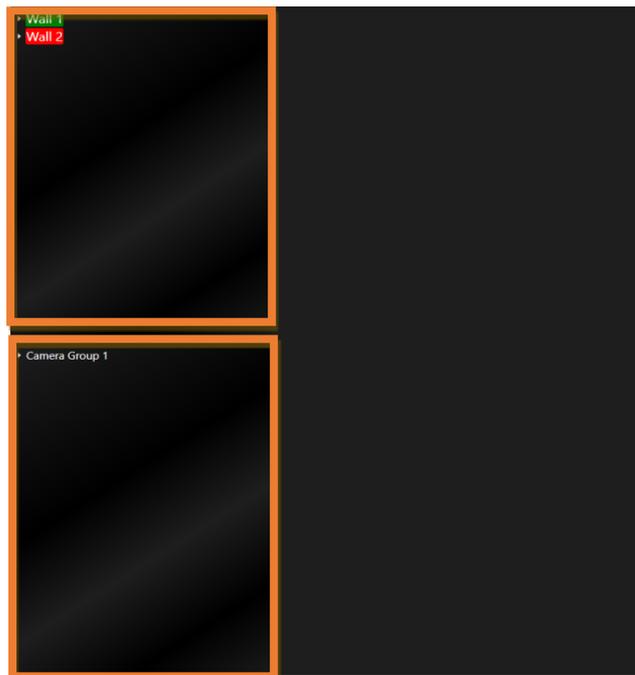


Figure 3 - Video wall and camera menus.

Upon clicking in the wall indication, a menu appears on the right displaying each video wall monitor. An operator can select from the pre-configured layouts and change the monitor layout. **This operation preserves the cameras present in each View index.**

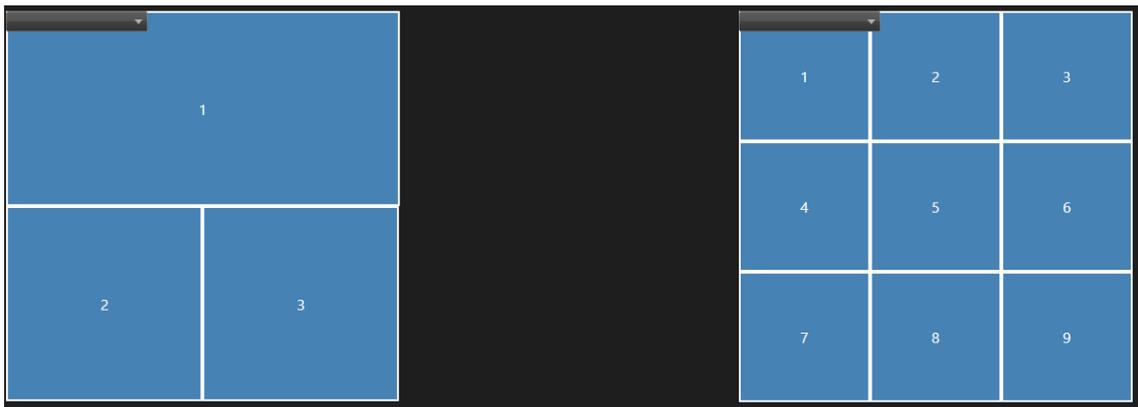


Figure 4 - Video wall layout editing menu.

Further into the video wall tree representation, the user can find the monitor entities. Clicking in them opens another menu on the right, displaying the View item and the cameras accessible to the Operator.

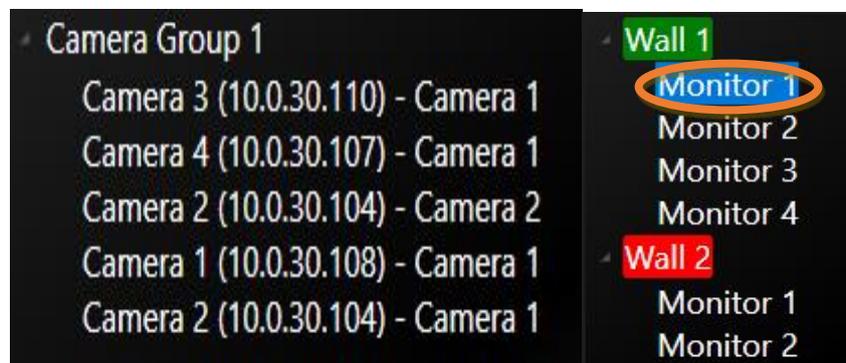


Figure 5 - Camera grouping (with modified names) and video wall tree representation.

From the cameras indication the user can select a camera, drag and drop it in one of the boxes that represent a View. The displayed camera changes in the selected video wall monitor. As exemplified (Fig.11), when dragging *Camera 3* into the ViewItem square for Monitor 1 of Wall 1, changes the displayed camera in that monitor in Wall 1, as can be seen in the image collected from Wall 1 client.

⚠ **If the view isn't open in any monitor, the camera is sent to the default view in the client (in the main video wall window).**



Figure 6 - Execution of drag & drop operation.



## Congratulations!

You have successfully installed our InovaWall plug-in. We wish you a pleasant experience.

By subscribing to our COVER contract, you have **priority support** and benefit from regular **updates** and the latest features of your application.

Contact your sales representative to find out more!

contact@novanetworks.tech [www.novanetworks.tech](http://www.novanetworks.tech)

v3.0.2