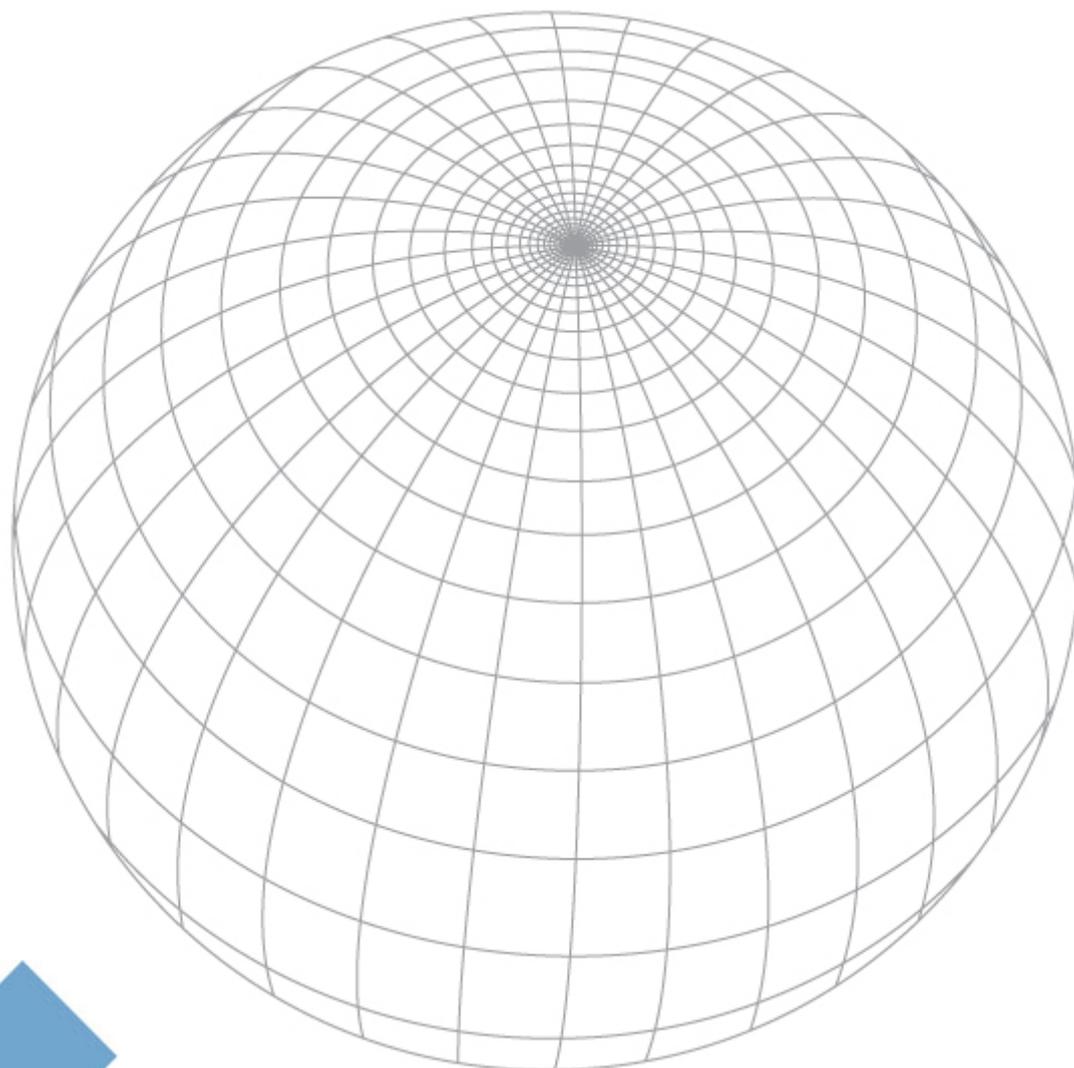


milestone
XProtect

Smart Wall
Administrator's
Manual





Target Audience for this Document

This document is aimed at surveillance system administrators installing and/or managing XProtect Smart Wall on an XProtect Corporate surveillance system. It is solely aimed at XProtect Corporate administrators, and administrator rights are required in order to be able to access the features described in this document.

This document provides detailed descriptions of XProtect Smart Wall system administration features. It furthermore provides a large number of targeted "how-to" examples, guiding administrators through completing common administration tasks in XProtect Smart Wall.

This document contains very limited information of relevance to end-users. End-users will be able to find information targeted at their needs in the separate Smart Client user's manual available on the XProtect Corporate software DVD as well as from www.milestonesys.com.

Administrators requiring information about end-user related applications, such as the Smart Client or the *Matrix Monitor*, should refer to the targeted manuals available on the XProtect Corporate software DVD as well as from www.milestonesys.com.



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About Smart Wall

XProtect Smart Wall is unique in its flexible drag-and-drop handling of multiple and remote Smart Walls, and in its independence of any specific hardware or network configurations.

Smart Wall provides situation overview in surveillance centers and hence both higher efficiency and more precise surveillance:

- Smart Wall's preset capability enables swift change of Smart Wall layouts to meet specific surveillance situations in conjunction with incidents, night shifts, etc., or personal preferences
- Dynamic adjustment of Smart Wall layout based on motion detection, I/O devices such as gates, or video analytic results, allows surveillance operators to focus on the important matters
- Intuitive drag-and-drop of individual cameras—or views—into the Smart Wall
- Persistent and simultaneous update of different Smart Walls subscribing to the same Smart Wall views

In short, a Smart Wall consists of one or more monitors. Each monitor can have several presets, allowing you to switch between different layouts as required. Example: One moment you want to display a layout showing 64 different cameras on a monitor. The next moment you want the monitor to display only a single camera. With presets, i.e. pre-defined layouts, you can quickly switch between layouts in order to match your display needs.



Example of a Smart Wall (•) with four monitors, one of which is highlighted in red (•). The monitors each display different presets, one of which is highlighted in yellow (•).

Here, the Smart Wall and its configuration is described from a surveillance system administrator's perspective. For end-user information about how to use Smart Wall features in Smart Clients, see the Smart Client documentation.



Smart Wall Installation

1. Run the SmartWall_Setup.exe file from the location you saved it to, when you downloaded it from the internet.

Tip: If you are installing from a DVD, the Smart Wall installation window opens automatically. If the installation window does not open automatically upon inserting the DVD, run the SmartWall_Setup.exe file from the DVD.

2. Follow the installation wizard. Read and accept the License Terms included in the installation wizard.



3. When the Smart Wall is installed, click *Finish* to exit the installation wizard.
4. Activate your Smart Wall license: in the Management Client's navigation pane, expand *Basics*, right-click *License Information*, and select your activation method of choice. Follow the on-screen license activation guide.
5. When your Smart Wall license is activated, your Smart Wall is ready for configuration in the XProtect Corporate system.



Adding and Managing Smart Walls

To add a new Smart Wall to your XProtect Corporate surveillance system, do the following:

1. In the Management Client's navigation pane, expand *Client* and select Smart Wall.
2. In the Management Client's overview pane, right-click *Smart Walls* and select *Add New Smart Wall*.
3. In the *Add New Smart Wall* dialog, type a name for the new Smart Wall and optionally a description.

Note: The description here is only used internally in the Management Client, it is not displayed anywhere else.

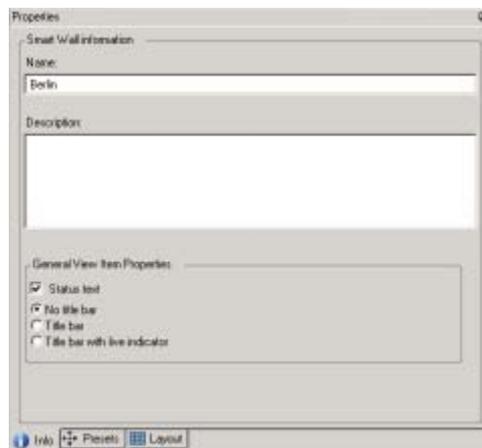
4. In the *General View Item Properties* area—see *Info Tab* below—select your settings for the new Smart Wall configuration, then click *OK*.

Smart Wall Properties

Smart Wall properties are configured on three tabs in the Management Client's properties pane; *Info* tab, *Presets* tab, *Layout* tab, each described below.

Info Tab (Smart Wall Properties)

- **Name:** The name of the Smart Wall. The name is displayed in the Smart Client as the Smart Wall view group name.
- **Description:** A description of the Smart Wall, for example; *Smart Wall located in Bloomington*. The description is only used as internal information in the Management Client.
- **Status text:** If selected, camera and system status information is displayed across view items.
- **No title bar:** When selected, all Smart Wall view items are displayed without title bars in the Smart Client.
- **Title bar:** When selected, all Smart Wall view items are displayed with title bars in the Smart Client.
- **Title bar with live indicator:** When selected, all Smart Wall view items' title bars display indicators.



Note: General view item properties are set up individually for each Smart Wall, allowing you to configure different settings for different Smart Walls.



Presets Tab (Smart Wall Properties)

The *Presets* tab lets you add virtual presets to the Smart Wall, and edit names/descriptions of existing presets. The actual definition of the preset properties is managed on the individual monitor's *Presets* tab.

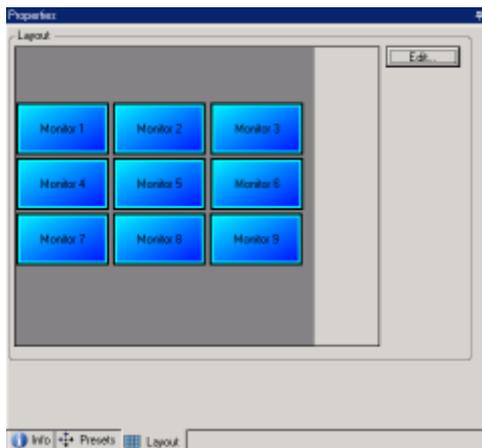
To add a new preset, click *Add New...* This opens the *Add Smart Wall Preset* dialog. Type a name for the preset and optionally a description, then click *OK*. The description here is only used internally in the Management Client, it is not displayed anywhere else. When you have created a preset, either click *Activate* to enable the preset for Smart Client users, or create a rule to activate the preset (see Using Rules with Smart Wall on page 13).

To edit an existing preset, click *Edit*. This opens the *Add Smart Wall Preset* dialog. Edit preset name and/or description and click *OK*.

To delete a preset, select the required preset in the list, and click *Delete*.



Layout Tab (Smart Wall)

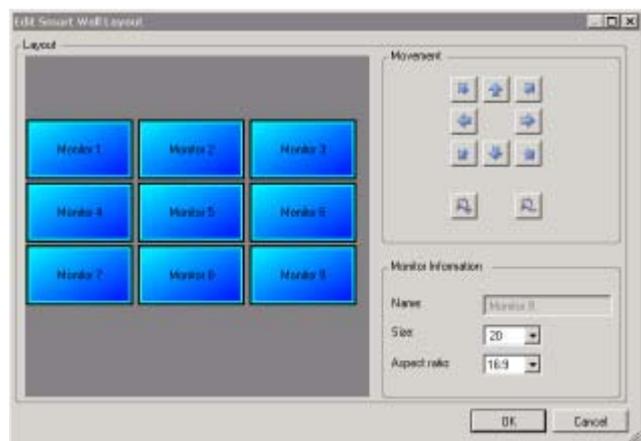


The *Layout* tab displays a graphical overview of the Smart Wall. Monitors added to the Smart Wall can be moved around. Click the *Edit* button to change the monitor layout, this opens the *Edit Smart Wall Layout* dialog:

To move a monitor to a new position, click the required monitor, then drag it to the desired position, or click the on-screen arrow buttons to move the monitor in the layout.

The arrow buttons are used for moving all monitors as a group on the Smart Wall. Moving the monitors as a group means that the monitors maintain their relative positions.

The *Size* and *Aspect ratio* properties initially configured in the *Create New Monitor* dialog (see Adding and Managing Monitors below), can also here be changed individually for each monitor in the Smart Wall.





Adding and Managing Monitors

To add a monitor to the Smart Wall, do the following:

1. In the Management Client's navigation pane, expand *Client* and select *Smart Wall*.
2. In the Management Client's overview pane, expand the *Smart Walls* node.
3. Right-click the required Smart Wall and select *Add New Monitor*.
4. In the *Create New Monitor* dialog, type a name for the new monitor, and enter other information about the new monitor.
5. Click *OK* to save and exit.
6. Configure the monitor properties to suit your needs. See *Info Tab (Monitor Properties)* and *Presets Tab (Monitor Properties)* below for more information about the monitor properties.

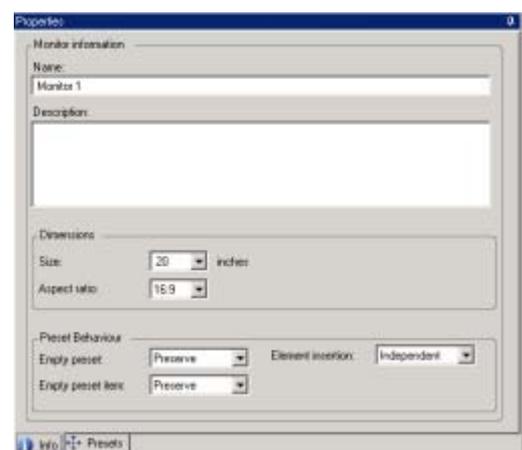
Monitor Properties

Monitor properties can be changed in the Management Client's properties pane:

1. In the Management Client's navigation pane, expand *Clients* and select *Smart Wall*.
2. In the Management Client's overview pane, expand *Smart Walls*, then expand the required Smart Wall and select the required monitor.
3. In the properties pane, change the monitor's properties as required on the *Info* tab and *Presets* tab described below.

Info Tab (Monitor Properties)

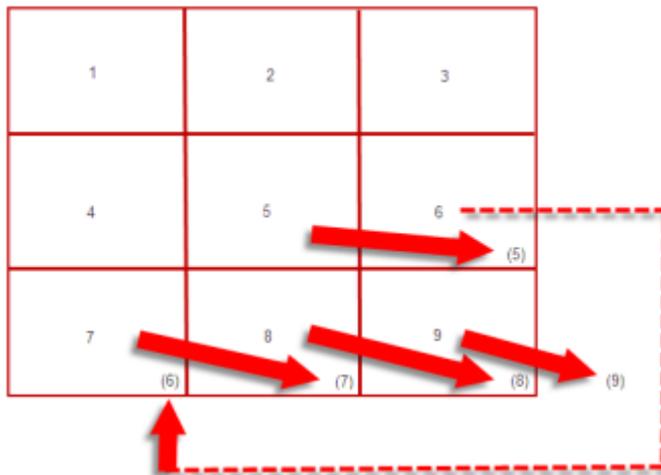
- **Name:** The name of the monitor. The name is displayed in the Smart Client.
- **Description:** A description of the monitor. The description is only used as internal information in the Management Client.
- **Size:** The physical size of the monitor, stated in inches.
- **Aspect ratio:** The height/width relationship of the monitor.
- **Empty preset:** Defines how the monitor behaves when it is configured with an empty layout in a preset; select whether the monitor should preserve previous monitor contents when changing to a preset with an empty layout, or whether the monitor should be cleared of content.
- **Empty preset item:** Defines how the monitor's view items behave when they have no defined content in a preset. Select whether the monitor should preserve previous view item contents when changing to a preset with empty view items, or whether the view items





should be cleared of content.

- Element insertion:** Defines how elements are inserted in the monitor's view layout when viewed in the Smart Client. When selecting *Independent*, only the affected view item changes, the rest of the view items remain where they were prior to the element insertion. When selecting *Linked*, the view items are pushed from left to right; if, for instance, an element is inserted in position 5, the previous contents of position 5 are pushed to position 6, the previous contents of position 6 are pushed to position 7, and so on as illustrated in the example below.



Presets Tab (Monitor Properties)

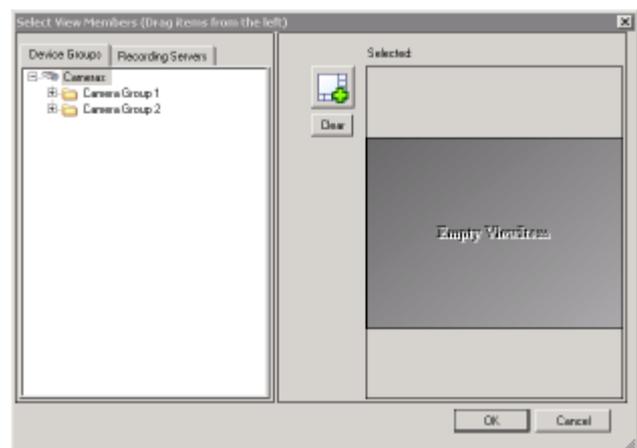
The *Presets* tab displays a preview of the Smart Wall preset(s).

Select a preset from the *Preset* drop-down list. Presets are created on the Smart Wall's *Presets* tab (see Presets Tab (Smart Wall Properties) on page 8).

To define how the monitor behaves when used with a selected preset, click *Edit*. This opens the *Select View Members* window:

Basically, you can define 3 different kinds of behavior for the monitor:

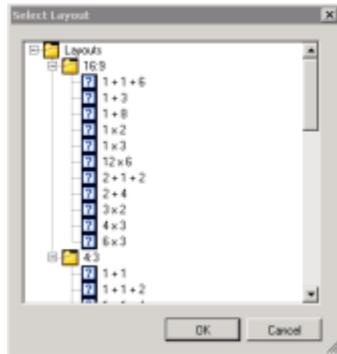
- Clear**—this clears the monitor of contents when the preset is activated (either by a rule or manually in the Smart Client).
- Drag a camera from either the *Device Groups* tab or the *Recording Servers* tab onto the view position
- Using a view layout for displaying one or more view items



- Click the *View Layout* button to open the *Select Layout* window.



- In the *Select Layout* window, select which view layout to use with your monitor, then click *OK*:



3. In the *Select View Members* window, drag cameras onto the view items, or leave them blank—or leave some blank and drag cameras onto some.
4. Click *OK*.

Tip: Empty view items and empty monitors are highly usable, providing Smart Client users the option to view content of their choice—if the users have sufficient rights—in the empty monitor or view item while still viewing pre-defined video or other content in the remaining part of the Smart Wall. See Roles (Users and Rights) in Smart Wall below for more information.



Roles (Users and Rights) in Smart Wall

To specify which Smart Wall-related rights should be granted to a role, do as described below. For a thorough description of roles in XProtect Corporate, see the separate XProtect Corporate Administrator's Manual, available on the software DVD as well from www.milestonesys.com.

1. In the Management Client's navigation pane, expand *Security*, and right-click *Roles*. Then select the required role in the overview pane:



2. In the properties pane, specify required rights on the *Smart Wall* tab. You can specify rights for the Smart Wall feature in general, for individual Smart Walls, for individual monitors under individual Smart Walls, and for individual presets under individual Smart Walls.

For individual Smart Walls, the following right is available:

- **Visible:** Determines whether users/groups with the selected role are able to view the selected Smart Wall.

For monitors under individual Smart Walls, the following rights are available:

- **Visible:** Determines whether users/groups with the selected role are able to view the selected monitor.
- **Apply layout:** Determines whether users/groups with the selected role are able to apply layouts on the selected monitor.

For presets under individual Smart Walls, the following rights are available:

- **Visible:** Determines whether users/groups with the selected role are able to view the selected preset.
- **Activate:** Determines whether users/groups with the selected role are able to activate the selected preset.



Using Rules with Smart Wall

XProtect Corporate's rule system can be used to control the behavior of your Smart Walls, much the same way as rules are used for controlling the behavior of cameras, etc.

For example, a rule can trigger your Smart Wall to display a certain preset during a certain day. You can even use rules to control what individual monitors in a Smart Wall display. See [Managing Rules](#) in the XProtect Corporate Administrator's Manual for detailed information about creating and using rules in the XProtect Corporate surveillance system.

```
Perform an action in a time interval
day of week is Thursday
Set smart wall London to preset Factory
and Set smart wall London monitor UK Monitor 9 using current layout
to show Camera 1 starting in position 6
```

Example of using rules with Smart Wall



Smart Wall Removal

To remove XProtect Smart Wall, go to Windows *Programs and Features* (or *Add/Remove Programs*) in the *Control Panel*. Select Milestone XProtect Smart Wall and click *Uninstall*, then follow the on-screen instructions.



Milestone Systems offices are located across the world. For details about office addresses, phone and fax numbers, visit www.milestonesys.com.

