SMART software

SMART control room

MAKE YOUR SMART CLIENT SMARTER



CONTROL ROOM MODULE

The Control Room Addon for Milestone XProtect complements the Milestone VMS solution with the typical features needed in a busy video control room or Alarm center:

- Control of multiple display trough one client application.
- Multiscreen-Multimonitor Alarm handling
- Alarm List including Popup Window
- Graphical user interface
- Status information on the user interface → for example if a door is open or closed
- Map navigation

CONTROL ROOM SAMPLE

On the following slides the functionality of the control room module is shown by means of a virtual control room.

The virtual control room includes a control monitor and three remote display

The remote displays can be controlled by events or manually via the control interface

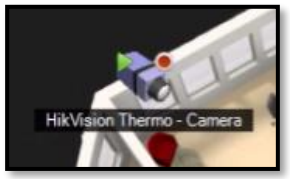
In addition, events are shown on the control display. For example via popup.



CONTROL ROOM SAMPLE



PROGRAMMABLE, GRAPHICAL USER INTERFACE

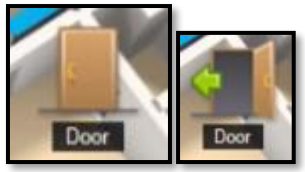


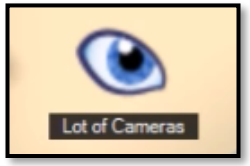




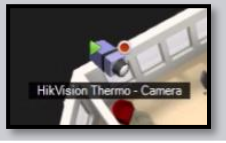
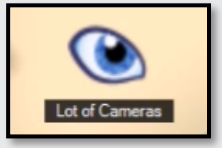
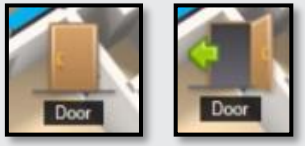




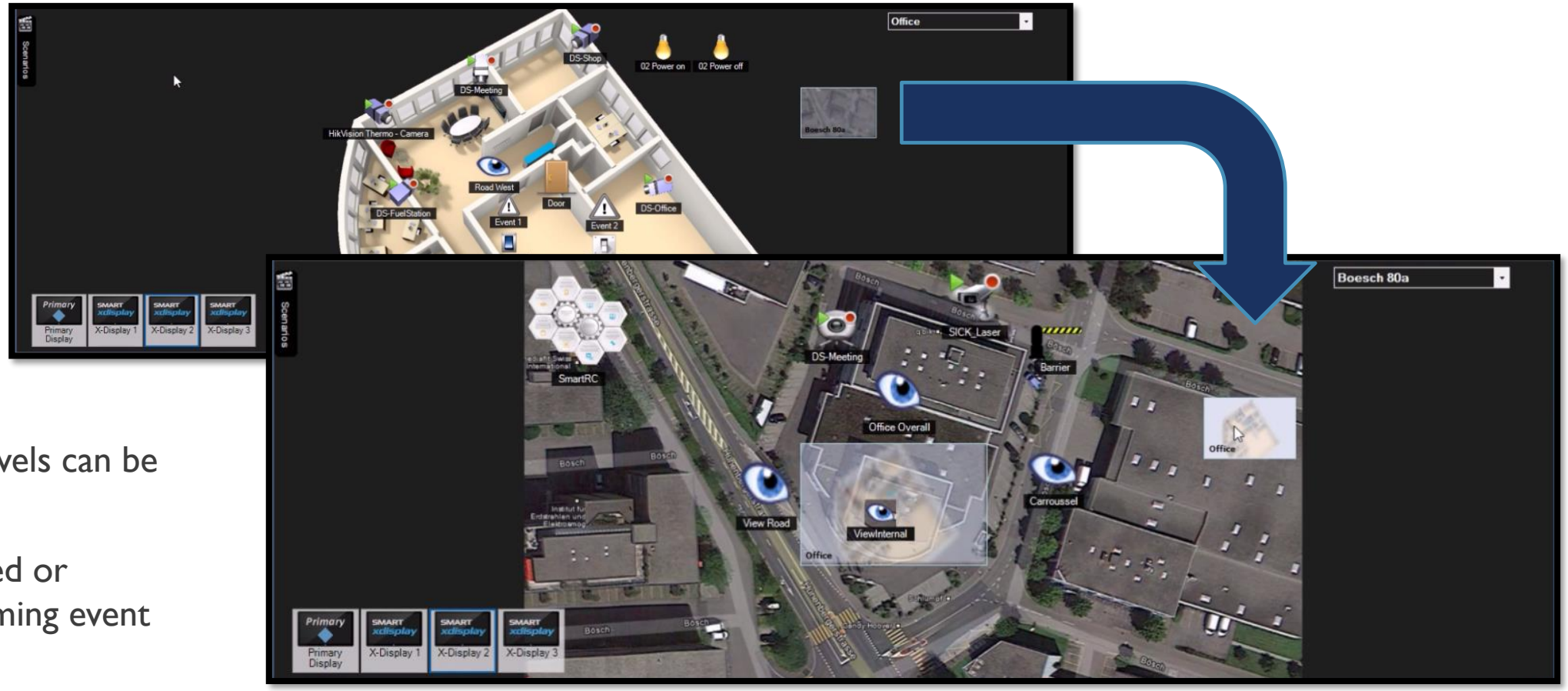




FUNCTIONAL ELEMENTS OF THE GRAPHICAL USER INTERFACE

	Camera selection and status of the cameras. By clicking on the camera icon, the camera is switched to the selected display. The green symbol indicates that the camera is in operation. The red dot indicates that the camera is recording
	The eyes represent so-called viewpoints. A group of cameras that are related to each other. A click on the symbol switches these cameras (including PTZ presets) as multiscreen to the selected display. This can also be done automatically in case of an alarm event.
	Output contacts (e.g. for controlling barriers or light) can be displayed on the surface with the aid of symbols. A click on the symbol triggers the corresponding action. The status of activated outputs is also displayed.
	Control of predefined events. Milestone allows to create user defined events. These events can have different characteristics. The icons on the graphical user interface can be used to trigger such events.
	In addition to user-defined events, contacts can also be controlled. These can be operated from output as well as input. Accordingly, they can be displayed or triggered.
	Input events can also be displayed with different symbols. For example, symbol 2 indicates that the door is open.

MAP SELECTION



Different site plan levels can be integrated.

These can be selected or activated by an incoming event

SCENARIOS



Scenarios are predefined settings and allow you to control several displays simultaneously. Basically, a multi-monitor multiscreen connection can be carried out via an event or by pressing a button.

For example, at the beginning of a work shift or in the event of repetitive incidents for example day & night mode when the operators like to see other multiscreens and presets on the PTZ cameras.

- Since version 8.x the Scenario button window can be placed on top of the Smart Client regardless of the shown view, as soon the "pin" button is pressed.

DISPLAY CONTROL

In order to operate the different displays, they are simply to be selected.

On the active display, cameras or multiscreen (viewpoints) of several cameras can be activated by clicking on them.



CAMERA FOCUS



The focus window displays the camera that currently has the focus.

This is important for example to select a PTZ camera for control or to activate the audio source of the corresponding camera (if the camera is equipped with a microphone).

MULTISCREEN CAMERA FOCUS SELECTION



If a multiscreen display is switched on, you can select a desired focus camera in the multiscreen preview image

ALARMS / ALARM HANDLING

Alarm and event processing are part of the daily business in a control room. The requirements on the system are therefore usually very high. During the development of the control room add-on many customer requirements were evaluated and incorporated into the solution. The focus is on three essential elements

Alarmlist



Group:	Priority:	Name:	Date:
Barrier Alarm	1	Barrier	08.10.2018 13:21:28
Barrier Alarm	1	Barrier	08.10.2018 12:42:01
Door Alarm	2	Door	08.10.2018 12:41:41
Manual Event	1	Event 1	08.10.2018 12:41:17
Door Alarm	2	Door	08.10.2018 12:32:36
Barrier Alarm	1	Barrier	08.10.2018 12:30:58

Popup-Window



Camera & Multiscreenselection



ALARM MONITORING

In case of an alarm, the corresponding cameras are shown to the available displays, could be in a single screen or multiscreen format depending the configuration.

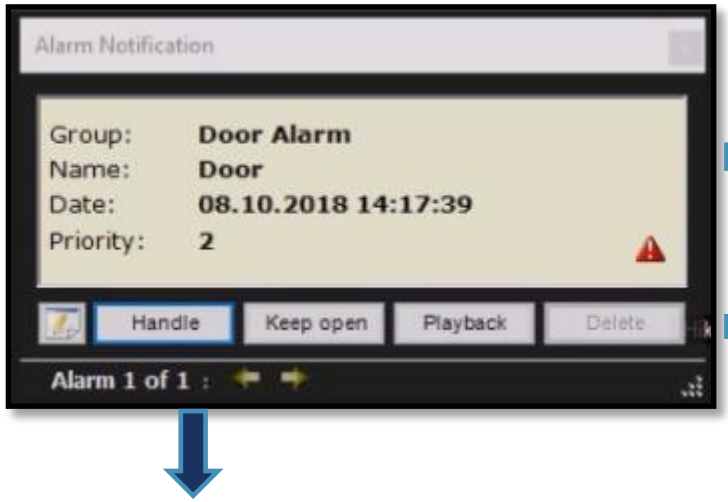
At the same time, a red entry appears in the alarm list, which changes to a neutral, green entry after successful handling.

Group:	Priority:	Name:	Date:	State:
Door Alarm	2	Door	08.10.2018 14:17:39	Unhandled / New
Barrier Alarm	1	Barrier	08.10.2018 13:21:28	Handled / closed
Barrier Alarm	1	Barrier	08.10.2018 12:42:01	Handled / closed
Door Alarm	2	Door	08.10.2018 12:41:41	Handled / closed
Manual Event	1	Event 1	08.10.2018 12:41:17	Handled / closed
Door Alarm	2	Door	08.10.2018 12:32:36	Handled / closed



ALARM POPUP

As an efficient tool a Pop-Up Window appears in case of an alarm

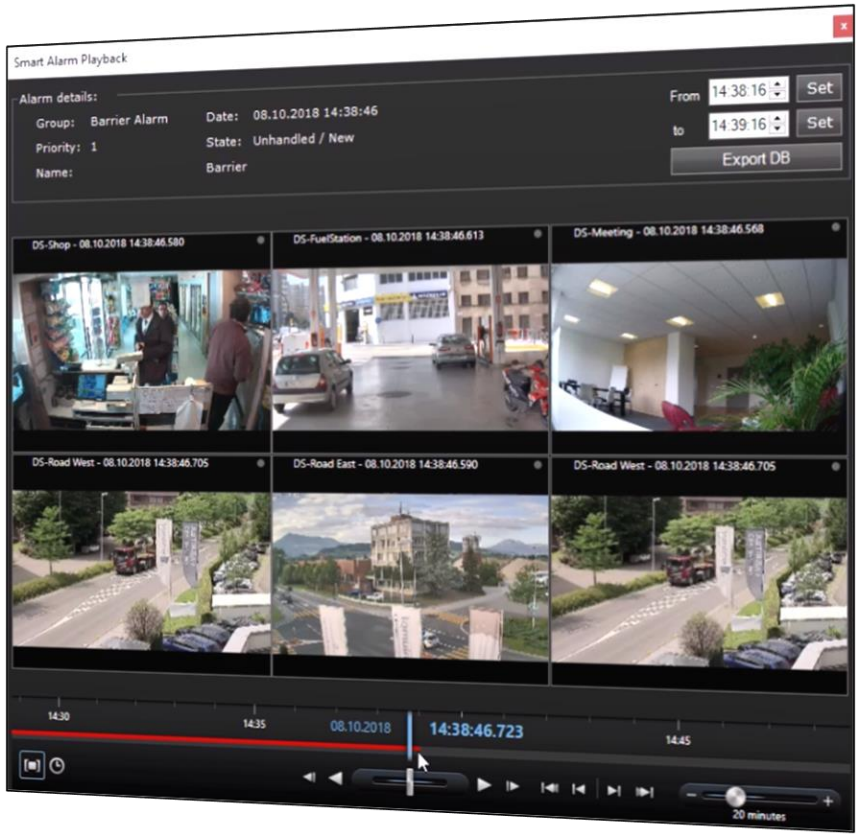


Alarminformations

Handlingoptions

(includes Playback)

Maybe other Alarms with lower priority



One Click Playback of the cameras on which this event was related to

SUMMARY

Milestone Xprotect is a state-of-the-art video management software

The open platform allows to create solutions for specific markets based on the strong Milestone Engine. Smart Software Control Room is such a solution for use in control rooms.

According the motto “from users for users", functionalities were implemented that are expected in the traditional control room environment and guarantee a fluid workflow.



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