



SIMS / Milestone integration

Installation guide

Version	Forfatter	Ændringer	Dato
1.0	Robert Banasiak		25.09.2025

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1 Introduction

SIMS / Milestone integration allows for the presentation of camera icons from the CCTV system in SIMS and the control of cameras displayed in the SIMS/Milestone client. In addition, it is possible to define bookmarks in camera recordings in the case of an alarm in SIMS.

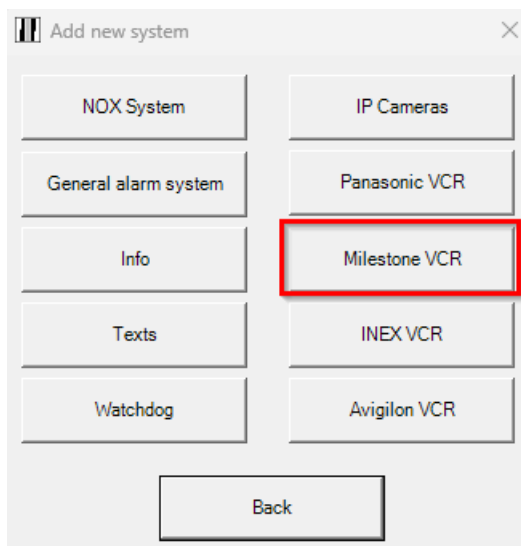
2 Milestone integration - files

Copy/unzip the files to the SIMSmilestone folder on the same computer where you have the SIMS server or SIMS client.

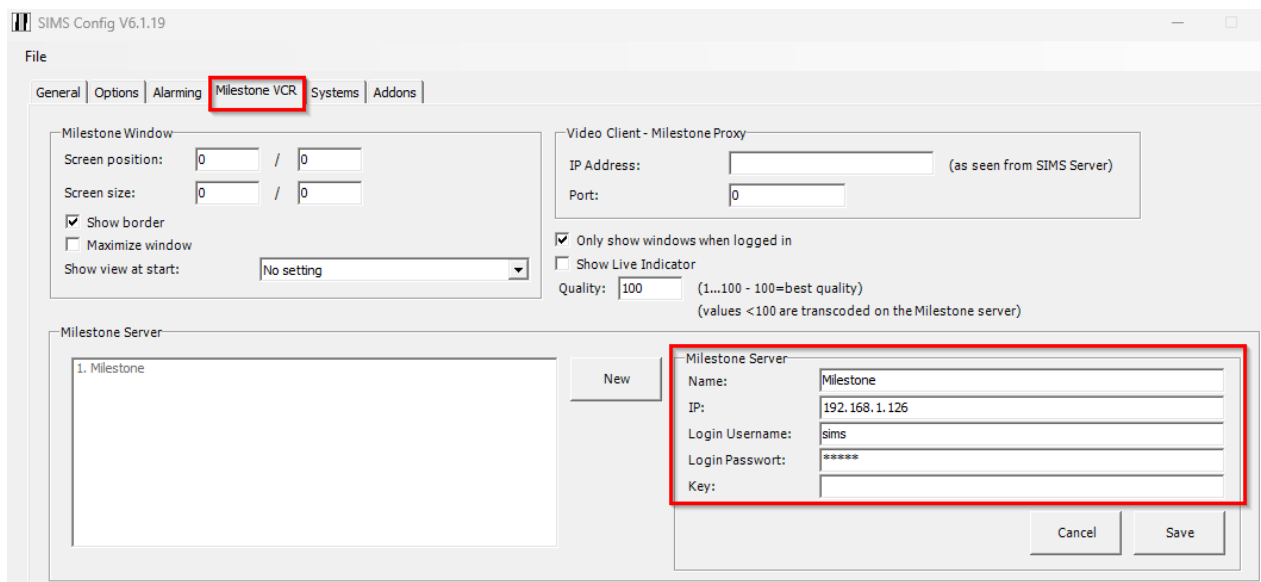
If it is a server, place the files in the \SIMSV6\SIMSmilestone\ folder, and if it is a client, place them in the \SIMSClient\SIMSmilestone\ folder.

3 SIMS Config

Add new Milestone system.



Enter Milestone server (recorder) settings (Key field can be empty)

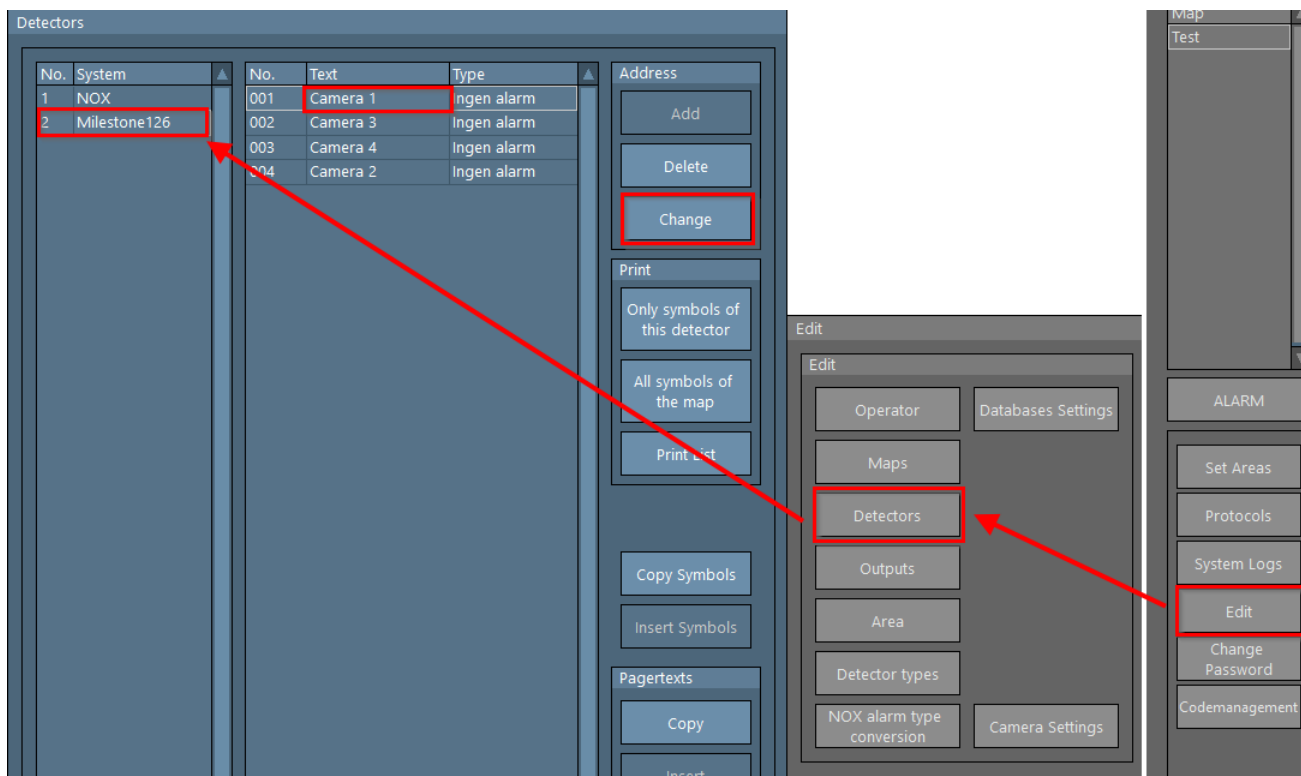


After entering the correct IP server address and Milestone operator username and password, save the new settings and restart the SIMS server.

4 SIMS client

4.1 Add cameras icons

Now you can add cameras to the maps (like other detectors).



Edit the selected camera, select the map where you want to place the icon, the icon type, and the position.

Define detector

Detectorinformation

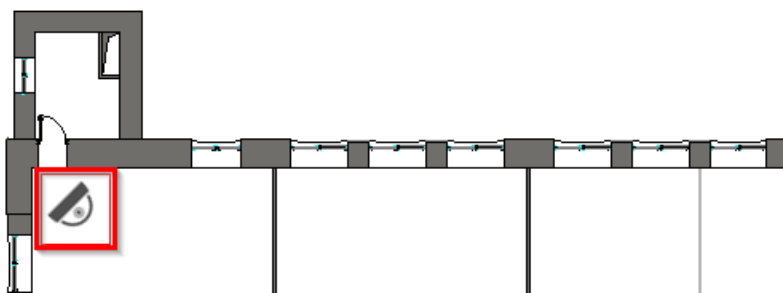
Detector No. 1

Name

Type

Camera

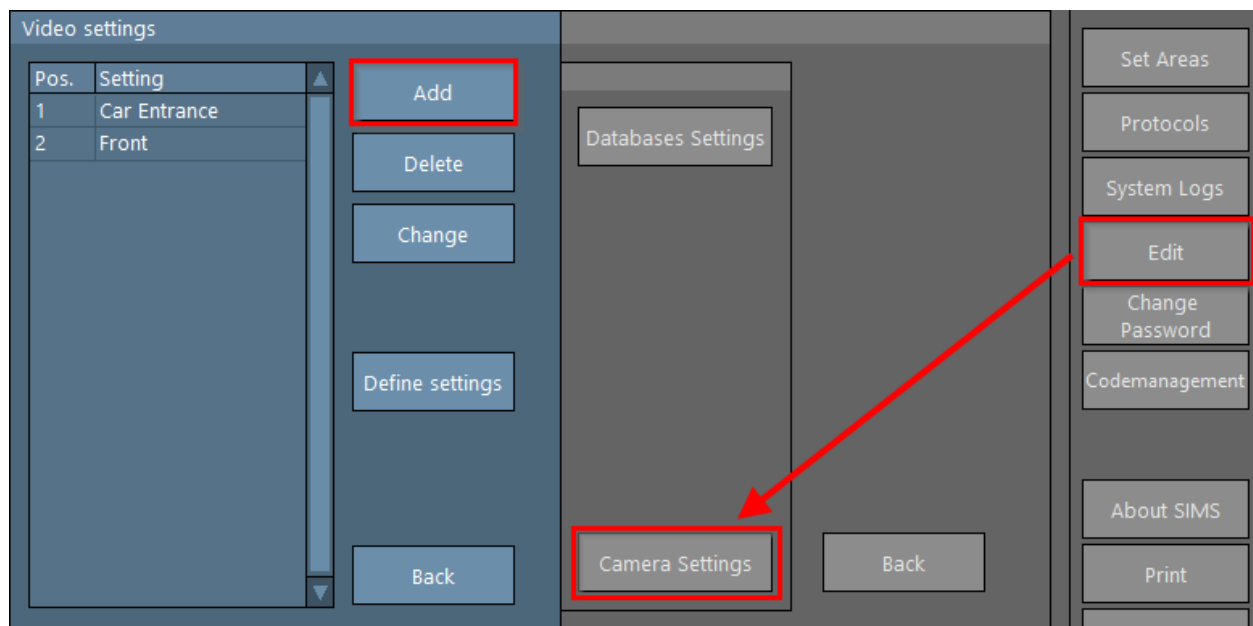
[Define settings](#)



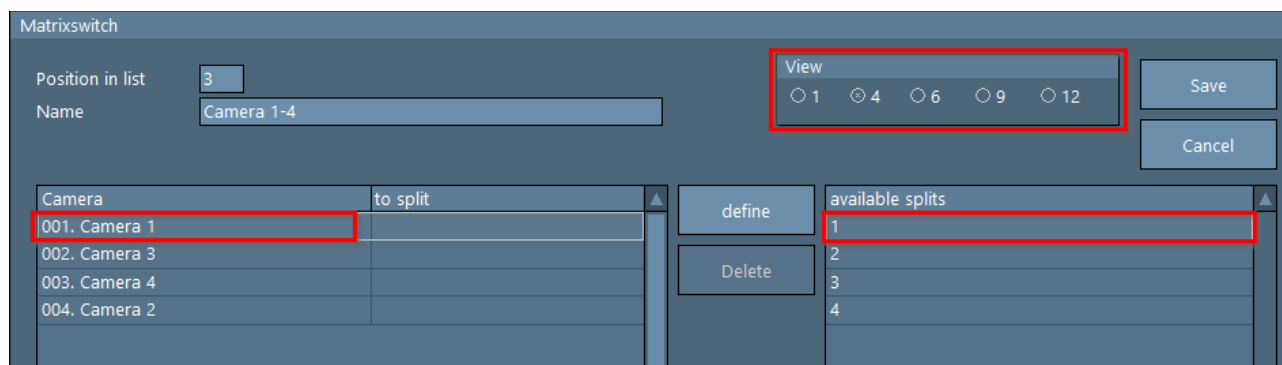
**** If you cannot see cameras, check operators Level settings ****

Outputs ☒ Set outputs	Protocols ☒ Operator ☒ Alarms ☒ Movements ☒ Pager	☒ NOX Timeprofiles ☒ NOX area groups ☒ User: option system configuration
NOX THS / THT ☒ Change alarm levels ☒ Delete data		Milestone ☒ Show milestone ☒ Show recordings
Deactivate detector ☒ At set-error ☒ Always	Configuration ☒ SIMS Config	

4.2 Views setup



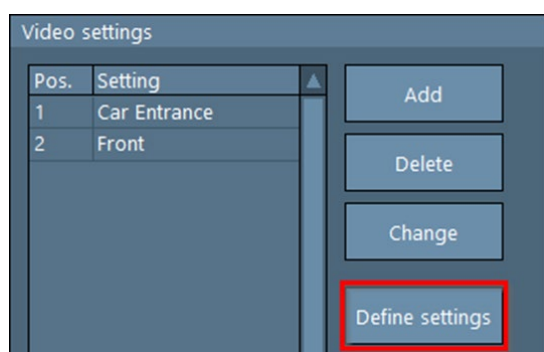
To add a new view, first enter a name, select the view type/number of cameras, and then define which camera is to be shown in which part of the view.



The available view parts are on the right, and the cameras are on the left side of the window. Once you have made your selection, connect these elements by pressing “define.” Repeat for the required number of cameras.

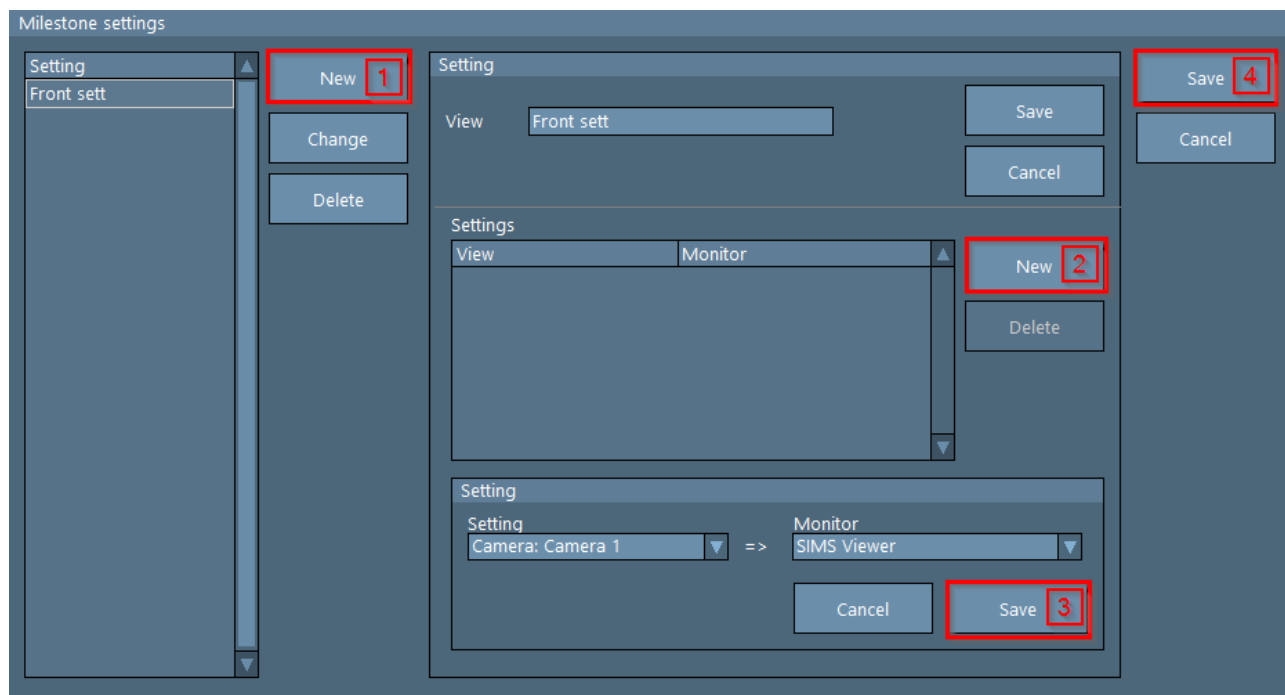
4.2.1 Defining views for alarms

After adding all the necessary views, return to the window with the list of views and go to “Define settings.”



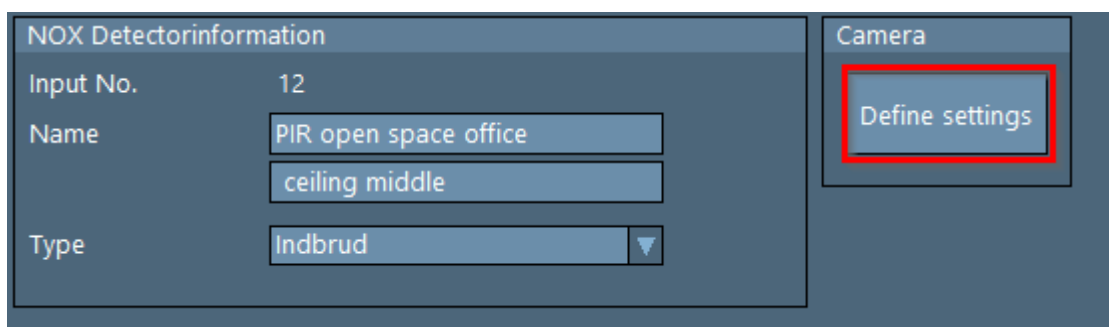
To define views for alarm point settings, follow these steps:

- Add a new setting (New 1)
- Enter the name of the setting (View)
- Add a new connection (New 2)
- Select the camera or one of the previously defined views on the left and “SIMS Viewer” on the right, then save (Save 3)
- Finally, save all settings (Save 4)



4.3 Alarm setup

To define camera settings for alarm points, go to edit the selected point and open the “Cameras – Define settings” window.

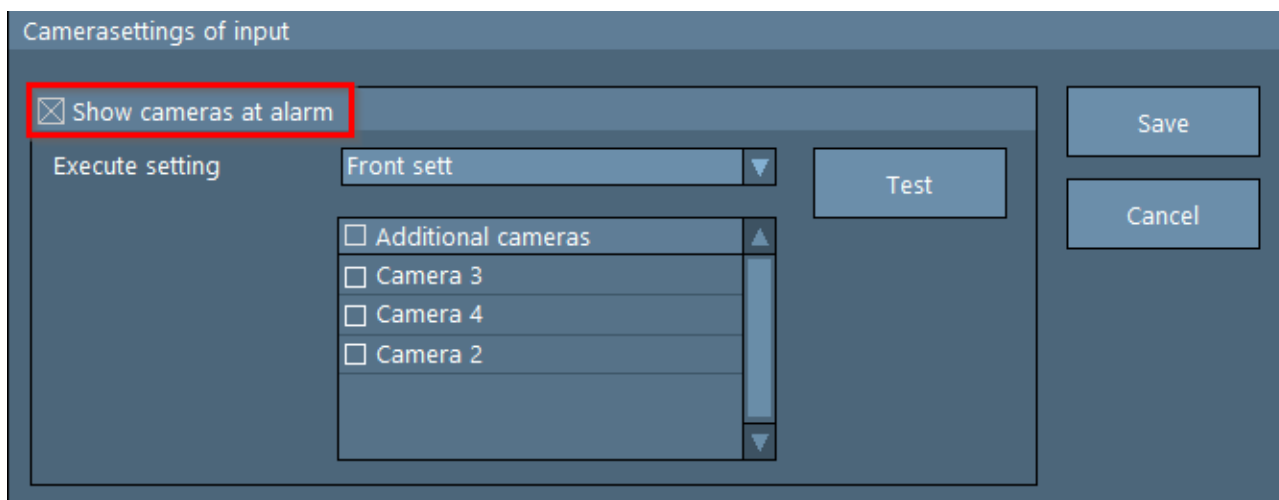


The screenshot shows a window titled "NOX Detector information". It contains the following fields:

- Input No.: 12
- Name: PIR open space office
- ceiling middle
- Type: Indbrud

On the right side, there is a "Camera" section with a button labeled "Define settings" which is highlighted with a red rectangle.

After selecting “Show cameras at alarm” options, will be available to select previously defined views for alarm points and a list of other cameras. After selecting the views and, if necessary, the cameras, save the settings.



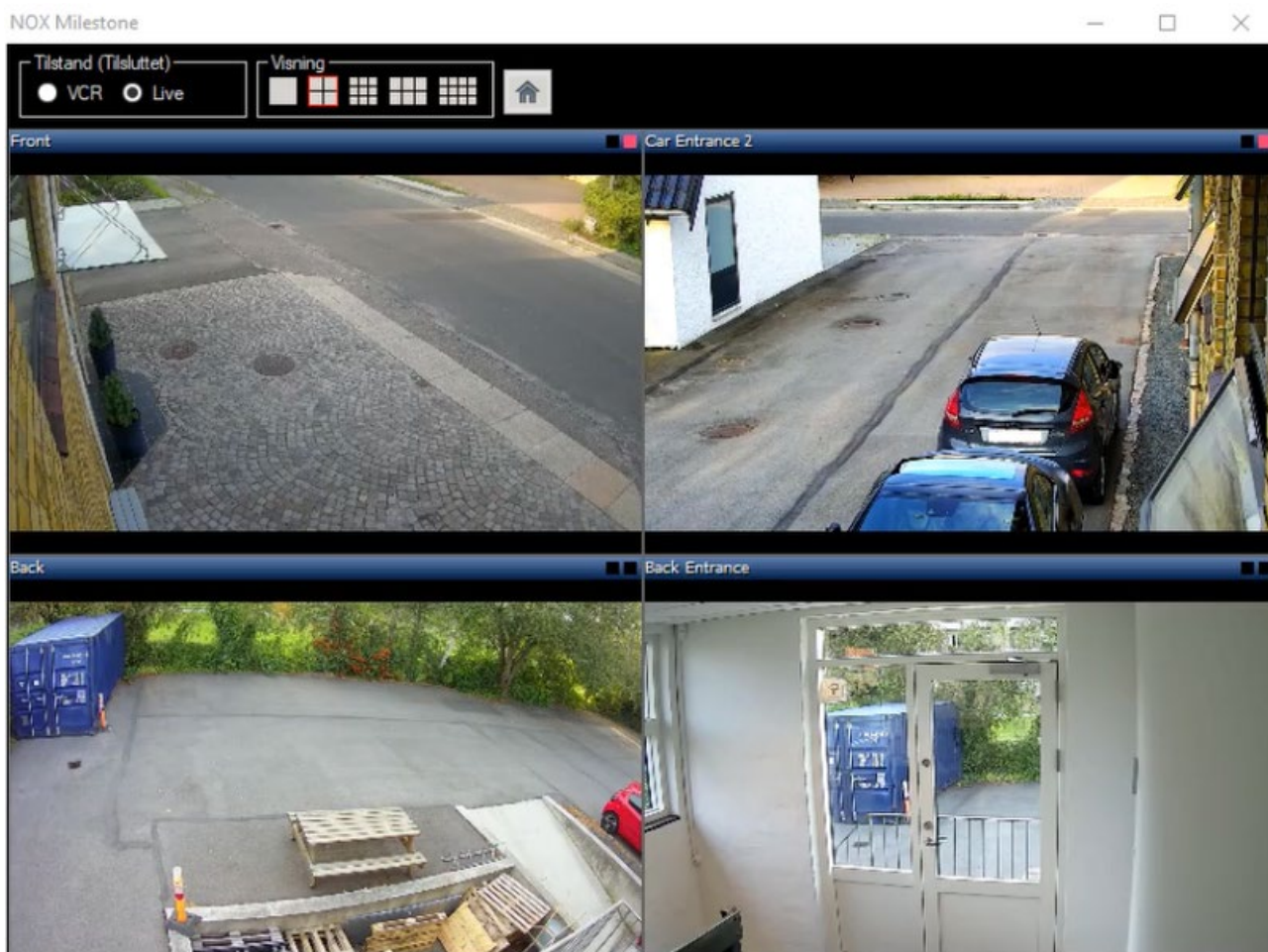
The screenshot shows a window titled "Cameras settings of input". It contains the following elements:

- A checkbox labeled "Show cameras at alarm" which is checked and highlighted with a red rectangle.
- An "Execute setting" section with a dropdown menu set to "Front sett".
- A list of checkboxes for selecting cameras:
 - ☐ Additional cameras
 - ☐ Camera 3
 - ☐ Camera 4
 - ☐ Camera 2
- A "Test" button.
- "Save" and "Cancel" buttons on the right side.

5 SIMS-Milestone viewer

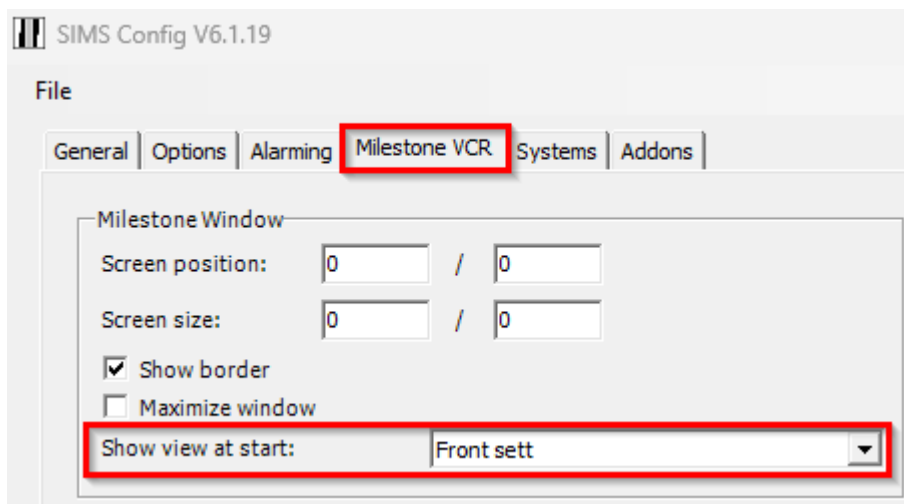
Each time the SIMS client is launched, the SIMS-Milestone viewer will automatically start, showing live streaming from cameras connected to the Milestone server.

Depending on the alarm point settings, the viewer will show cameras in different layouts.



You can also define which camera view will be shown when the SIMS client is started.

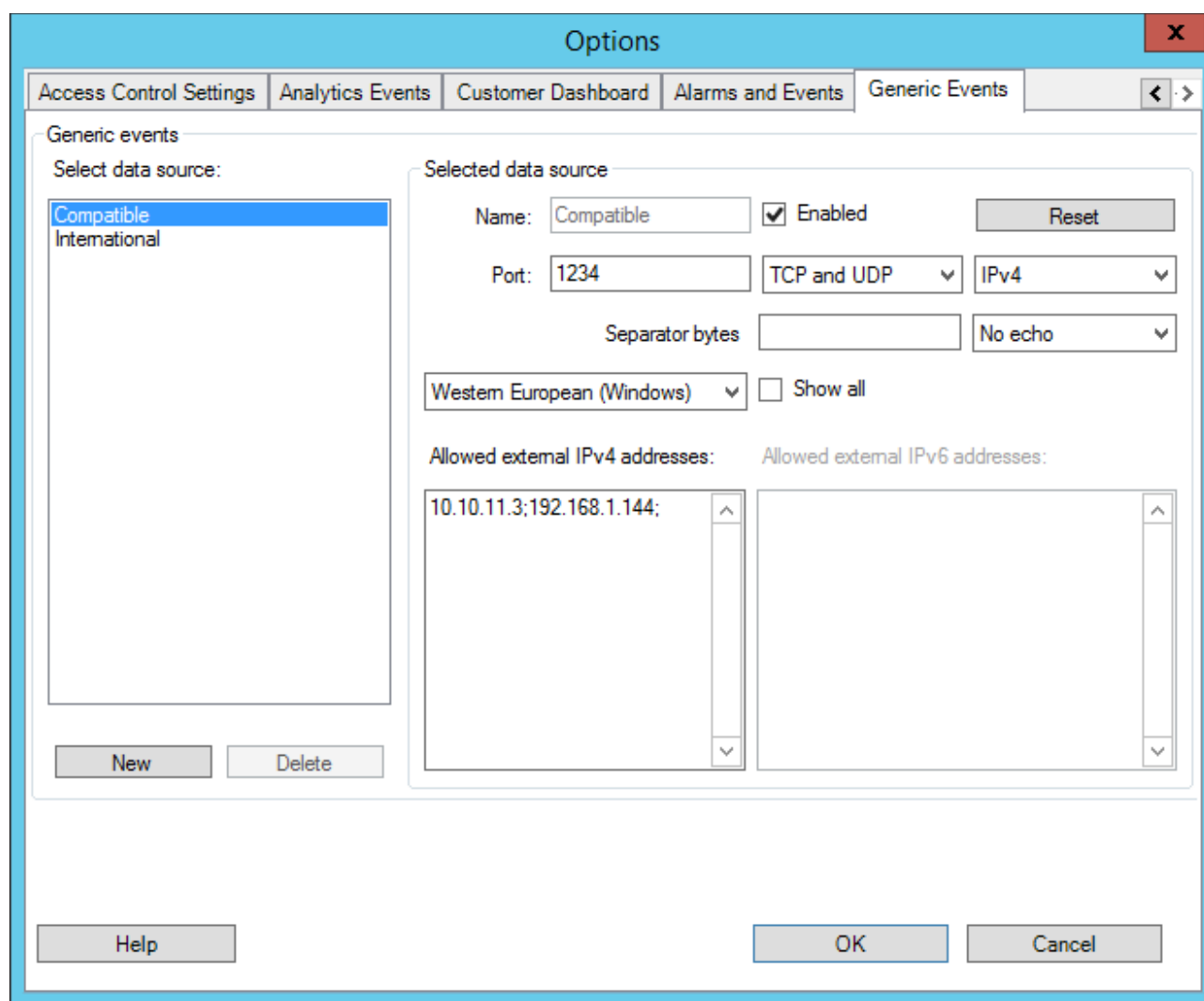
This can be done by setting the appropriate view in SIMSConfig in the Milestone VCR configuration.



6 Appendix A – Generic events

This part of the manual describes another level of integration using Generic Events, which allows, for example, control of PTZ cameras.

6.1 Milestone server – telnet settings



Options

Access Control Settings | Analytics Events | Customer Dashboard | Alarms and Events | **Generic Events**

Generic events

Select data source:

- Compatible
- International

New Delete

Selected data source

Name: Compatible ☒ Enabled

Port: 1234 TCP and UDP IPv4

Separator bytes No echo

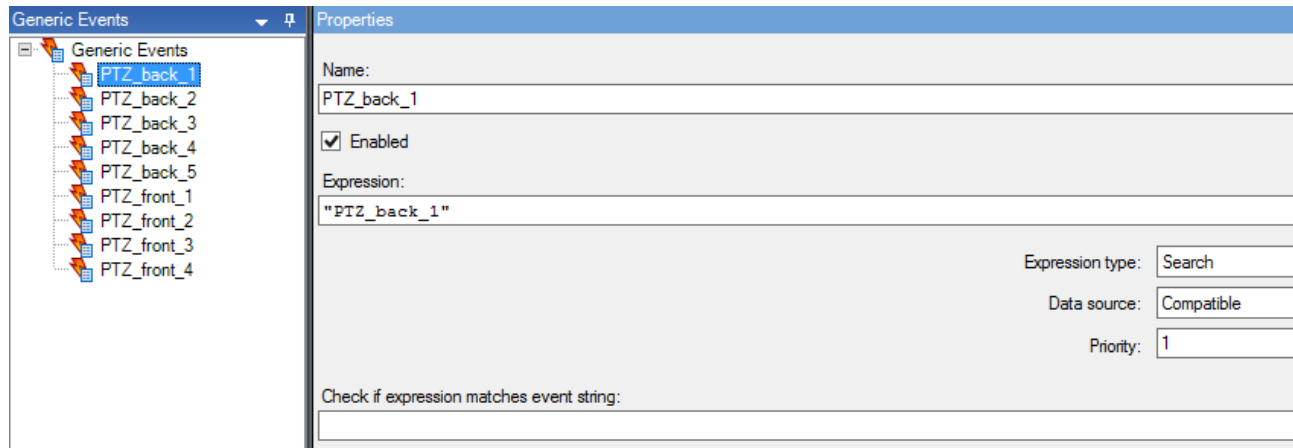
Western European (Windows) ☐ Show all

Allowed external IPv4 addresses: Allowed external IPv6 addresses:

10.10.11.3;192.168.1.144;

Help OK Cancel

6.2 Generic events



Generic Events

- PTZ_back_1
- PTZ_back_2
- PTZ_back_3
- PTZ_back_4
- PTZ_back_5
- PTZ_front_1
- PTZ_front_2
- PTZ_front_3
- PTZ_front_4

Properties

Name: PTZ_back_1

☒ Enabled

Expression: "PTZ_back_1"

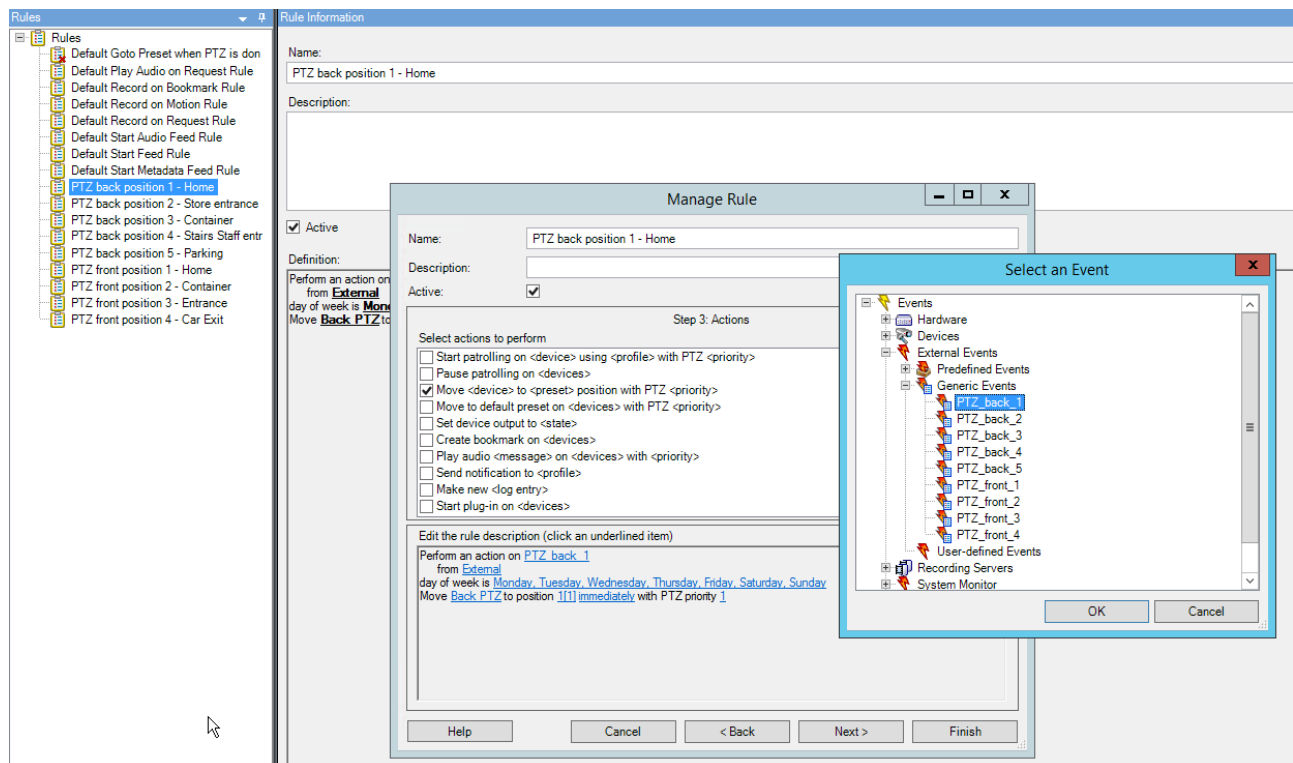
Expression type: Search

Data source: Compatible

Priority: 1

Check if expression matches event string: ☐

6.3 Rules, e.g., PTZ cameras.



Rules

- Default Goto Preset when PTZ is don
- Default Play Audio on Request Rule
- Default Record on Bookmark Rule
- Default Record on Motion Rule
- Default Record on Request Rule
- Default Start Audio Feed Rule
- Default Start Feed Rule
- Default Start Metadata Feed Rule
- PTZ back position 1 - Home
- PTZ back position 2 - Store entrance
- PTZ back position 3 - Container
- PTZ back position 4 - Stairs Staff entr
- PTZ back position 5 - Parking
- PTZ front position 1 - Home
- PTZ front position 2 - Container
- PTZ front position 3 - Entrance
- PTZ front position 4 - Car Exit

Rule Information

Name: PTZ back position 1 - Home

Description:

☒ Active

Definition:

Perform an action on PTZ_back_1 from External day of week is Monday Move Back PTZ to position 1 immediately with PTZ priority 1

Manage Rule

Name: PTZ back position 1 - Home

Description:

Active: ☒

Step 3: Actions

Select actions to perform

- ☐ Start patrolling on <device> using <profile> with PTZ <priority>
- ☐ Pause patrolling on <devices>
- ☒ Move <device> to <preset> position with PTZ <priority>
- ☐ Move to default preset on <devices> with PTZ <priority>
- ☐ Set device output to <state>
- ☐ Create bookmark on <devices>
- ☐ Play audio <message> on <devices> with <priority>
- ☐ Send notification to <profile>
- ☐ Make new <log entry>
- ☐ Start plug-in on <devices>

Edit the rule description (click an underlined item)

Perform an action on PTZ_back_1 from External day of week is Monday Move Back PTZ to position 1 immediately with PTZ priority 1

Select an Event

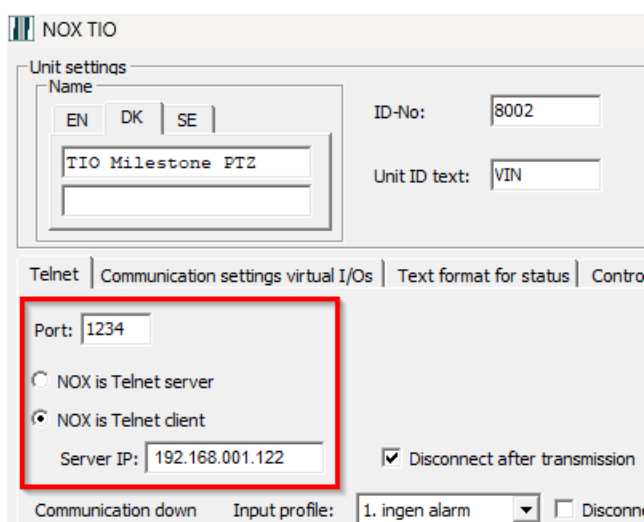
- Events
 - Hardware
 - Devices
 - External Events
 - Predefined Events
 - Generic Events
 - PTZ_back_1
 - PTZ_back_2
 - PTZ_back_3
 - PTZ_back_4
 - PTZ_back_5
 - PTZ_front_1
 - PTZ_front_2
 - PTZ_front_3
 - PTZ_front_4
 - User-defined Events
 - Recording Servers
 - System Monitor

OK Cancel

Help Cancel < Back Next > Finish

6.4 NOX Configuration – TIO

Add a TIO virtual device and configure it as a Telnet client with the Milestone IP address and port number.



NOX TIO

Unit settings

Name

EN DK SE

TIO Milestone PTZ

ID-No: 8002

Unit ID text: VIN

Telnet Communication settings virtual I/Os Text format for status Control

Port: 1234

☐ NOX is Telnet server

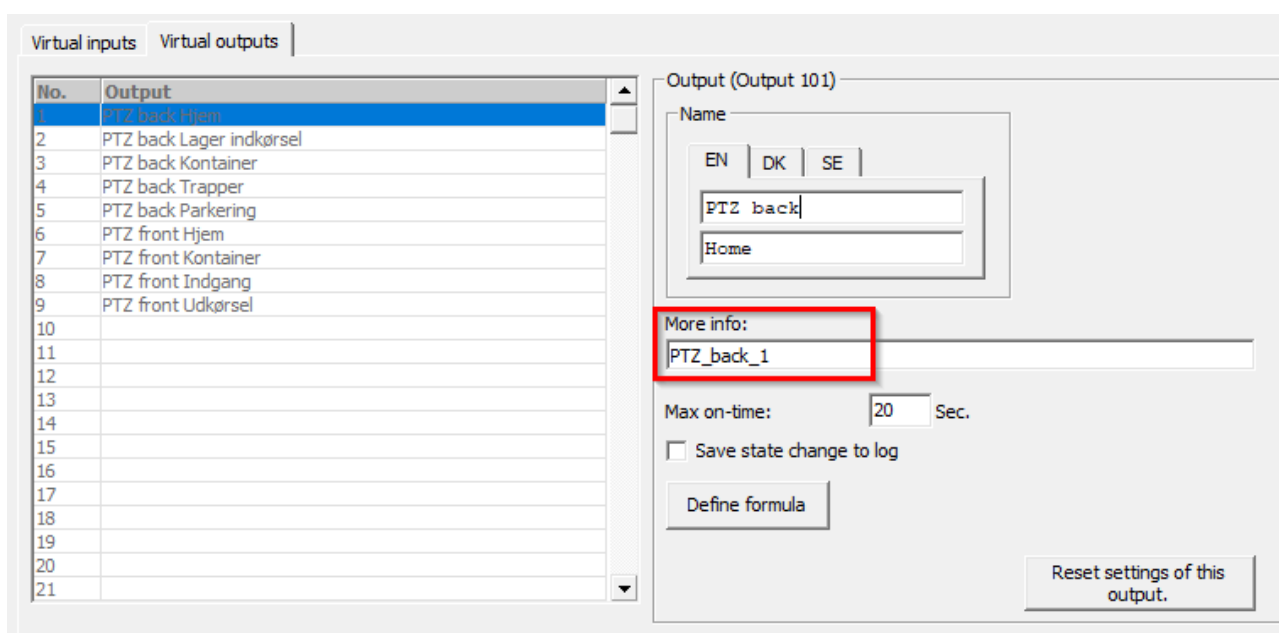
☒ NOX is Telnet client

Server IP: 192.168.001.122

☒ Disconnect after transmission

Communication down Input profile: 1. ingen alarm

Next, configure the outputs that will be activated by the formula, e.g., by changing the status of the area named PTZ back and type On/Off. In the “More Info” field, enter the text that will be sent to the Milestone server, e.g., “PTZ_back_1.”



Virtual inputs Virtual outputs

No.	Output
1	PTZ back Hjem
2	PTZ back Lager indkørsel
3	PTZ back Kontainer
4	PTZ back Trapper
5	PTZ back Parkering
6	PTZ front Hjem
7	PTZ front Kontainer
8	PTZ front Indgang
9	PTZ front Udkørsel
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	

Output (Output 101)

Name

EN DK SE

PTZ back

Home

More info:

PTZ_back_1

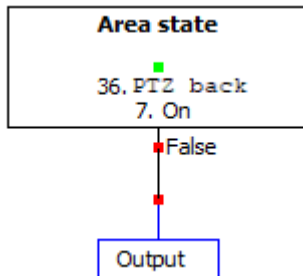
Max on-time: 20 Sec.

☐ Save state change to log

Define formula

Reset settings of this output.

Example of a formula:



Finally, enter the appropriate Telnet message format. In this case, the message must contain text from the “More info” field, i.e., `$B[CR][LF]`

Telnet	Communication settings virtual I/Os	Text format for status	Control	Trigger	Area setting	Logging	Input state
Text format for virtual input control		Text format for virtual output					
Message start:	OUT	☐ Automatically close		Text: <code>\$B[CR][LF]</code>			
Message end:	[CR]			#O=Output number %O=Output state			
Input number at position:	4	Length:	3				

\$B = Output more info field

If you now place the PTZ back area icon next to the camera, each time it changes to On, the camera will change its position to the one defined in Generic events / Rules.