Dallmeier

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CONFIGURATION

HEMISPHERE

SEMSY® VIDEO MANAGEMENT

AUTO CAMERA SWITCH ON MONITORS

CREATING AN EVENT RULE FOR AUTOMATIC CAMERA ACTIVATION BY EVENT TRIGGERING ON MONITOR WALLS

MADE IN GERMANY

See more.

CONTENTS

INTRODUCTION

1.1 VALIDITY

This document applies to the configuration description of the “automatic camera switch by event” option of the HEMISPHERE® SeMSy® Security and Business Management.

The contents of this document are based on the released software version **5.0.56**.

Figures (screenshots) in this document may differ from the actual product.

1.2 COMPATIBILITY

The above mentioned software version are compatible with the following software:

- HEMISPHERE® Core Modules Release 1.9.2
- HEMISPHERE® SeMSy® Video Management System 5.0.56

1.3 DOCUMENTS

The product documentation contains several documents that are supplied in a printed form and/or on a digital medium.
Further technical documentation for your software, if available, is published exclusively on the website www.dallmeier.com.

Read the available product documentation carefully and thoroughly before using your software.
Always observe and follow the contained instructions, notes and warnings as well as the technical data in the currently valid product specification of your software.

Keep all documents in legible condition and in a suitable location for future reference.

Regularly check the website www.dallmeier.com for the latest product documentation updates (and software versions).

1.3.1 This Document

This document contains detailed descriptions for the configuration of the software and the system environment.
The target audience of the document is trained video security systems integrators.

1.3.2 Other Applicable Documents

Product Specification
The product specification contains detailed technical data, features and characteristics of the respective software.
The target audience of the document is trained video security systems integrators.

Operation
The operation contains comprehensive descriptions of how to use the corresponding software.
The target audience of this document are operators of the software

1.4 TYPOGRAPHICAL CONVENTIONS

For reasons of clarity and readability, various text formatting elements and types of emphasis are used in this document:

NOTICE

NOTICE indicates measures to prevent device and/or property damage due to improper configuration of the device or faulty operations.

Instructions are indicated by arrows (►).
► Always carry out instructions one after the other in the sequence described.

Expressions highlighted in bold and dark gray usually refer to the name of an application, product or function or indicate an user interface control element (button, check box, drop-down list, menu item, etc.).

Paragraphs in italics provide information on basic principles, special features and efficient procedures as well as general recommendations.

GENERAL NOTES

2.1 DESCRIPTION

The **HEMISPHERE® SeMSy® Security and Business Management System** combines the proven concept of its predecessors with new dynamics and flexibility. The optimized license model with administration on the central HEMISPHERE® Backbone Server allows a simple, fast and secure adaptation and expansion of the entire system during operation.
This document describes how to configure an automatic camera connection on an external monitor of a monitor wall (Variodecoder), triggered by an incoming event. Additionally, an alarm is generated. This is done in different setting sections in different HEMISPHERE® SeMSy® modules and applications:
The **HEMISPHERE® Enterprise Event Processing Module (EEP)** is the central system component for the efficient and rule-based distribution of data as status or event messages between all components of a SeMSy® Video Management.
The **HEMISPHERE® Enterprise Alarm Processing Module (EAP)** allows to link events with defined alarm messages. These can be grouped under different alarm types, to which individual alarm layouts are assigned on the workstations. The different alarm layouts can include acoustic and optical signals in addition to the automatic display of cameras, and always ensure that the operator's attention is focused.
The **HEMISPHERE® SeMSy® Configuration Application** is used for the comprehensive configuration of a SeMSy® Video Management. The application provides all tools and options for central settings management for cameras, recording systems, servers, video channels, workstations, user administration and rights management.

Note that configuration in the respective modules and app areas requires users with appropriate permissions to edit the settings and with app access in general.

2.2 FEATURES

The HEMISPHERE® SeMSy® Security and Business Management offers the following features:

- Easy and intuitive operation of the customizable user interface with drag & drop or key combinations
- Control with the VMC-3 control panel consisting of VMC-3 joystick, VMC-3 jog shuttle, VMC-3 touch supported
- Compatible with all Dallmeier recording systems, network cameras, encoders and decoders
- Easy connection of 3rd party systems and sensors via standardized network protocols (RESTful) and established web standards (XML, SOAP, JSON)
- Automatic event and alarm message processing

2.3 WARRANTY

The terms and conditions valid at the signing of the contract shall apply.

LOGIN AND LANGUAGE SELECTION

3.1 LANGUAGE SELECTION

HEMISPHERE® SeMSy® features a login screen with a total of four different ways to register via **User Login**, **Single Sign-on (SSO)**, **Dual Login or Configuration Login**. Additionally, an option for **Language Selection** is available on the user interface.

You will find the **Language Selection** for your SeMSy® workstation on the login screen based in the lower left corner, next to the **Login Selection**.

Fig. 3-1

- Click on the language icon.
- Choose the requested language.

The user interface immediately changes to the selected language without an restart.

3.2 LOGIN OPTIONS

Different login options are available. These are described below.

3.2.1 Login into User Login

After starting the workstation, the **User Login** is displayed by default.

Fig. 3-2

- Enter your **user name** and **password**.
- Click on **Login** to log in as **User**.

Login with Single-Sign-On (SSO)
The Single-Sign-On is a feature for an automatic login of the user into a predefined user profile after starting the HEMISPHERE® SeMSy® software.

3.2.2 Login with Configuration Login

The login selection button in the lower left corner of the login screen toggles between different login modes.

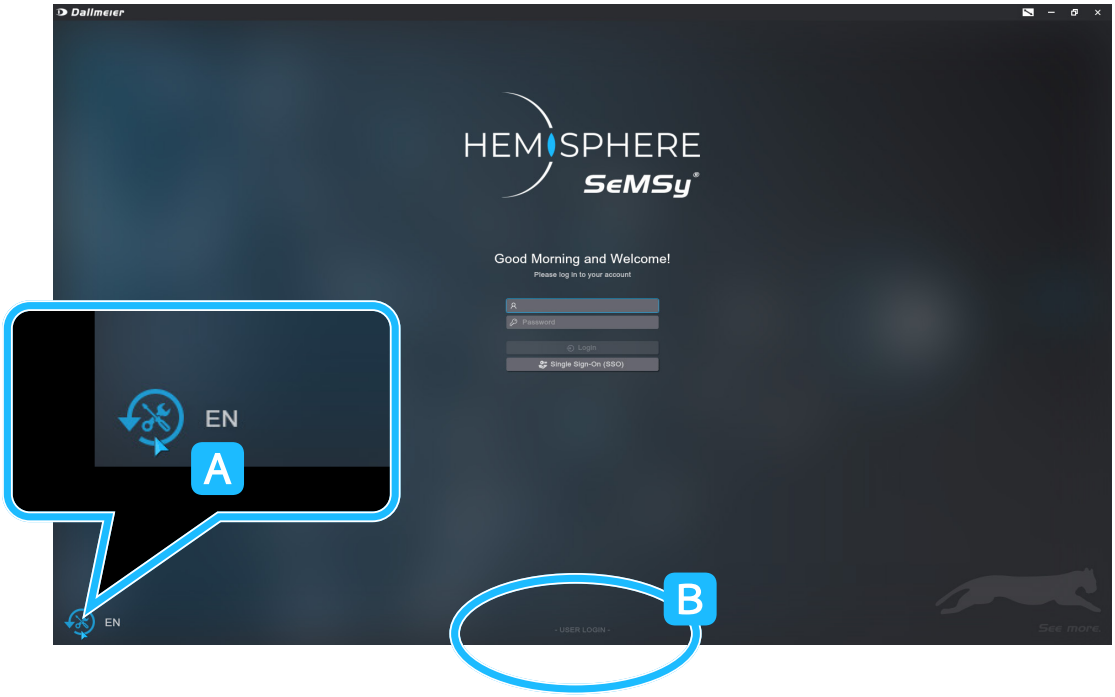

Fig. 3-3

- Click **Switch to Configuration Login** A.

The active login screen is displayed centered at the bottom of the window B.

- Enter **user name** and **password** of an authorized **configuration user**.
- Click **Login** to log in to **Configuration Mode**.

3.2.3 Login with Dual Login

The **dual login** function acts as an additional security measure when logging in to the HEMISPHERE® SeMSy® Video management system based on the dual control principle at a workstation.
This function is deactivated by default and must be activated in the HEMISPHERE® SeMSy® configuration application beforehand.

Fig. 3-4

- Click **Switch to Dual User Login** A.
- Enter **user name** and **password**.
- Click **Login** to log in as user.

The input mask for the second user is now enabled.

- Repeat this procedure for the second user.

After a successful login, the SeMSy® Workstation runs.

CONFIGURATION

This chapter describes the necessary configuration steps to set up an event rule that activates an automatic camera connection to monitor walls when a specific event occur.

4.1 CONFIGURING EVENT ORIGINATORS

Originator devices (slot machines, POS etc.) have to be connected to the required cameras, if an event message should be evaluated together with camera images. In addition, these cameras are given certain usage categories, which are used to arrange the cameras in an Alarm Split Layout (see below). If a camera list (of the cameras connected to the originator) is provided with the event message, these cameras can be connected in an Alarm Split Layout, arranged according to their usage category. Usage categories for originator cameras can be, for example, “Default”, “Overview”, “Detail”. This configuration step is made in the HEMISPHERE® Event Processing Module (EEP) settings.

- Proceed as described to configure a single originator in this manner or to adjust its camera list.
- Open the **Settings** tab A of the HEMISPHERE® Enterprise Processing Module and select the **Originators** section B.
- Select the required originator from the list, also use the **Search** C and filter function if required.

Once you have selected the required originator, its already connected cameras are displayed in the **Details** column D:

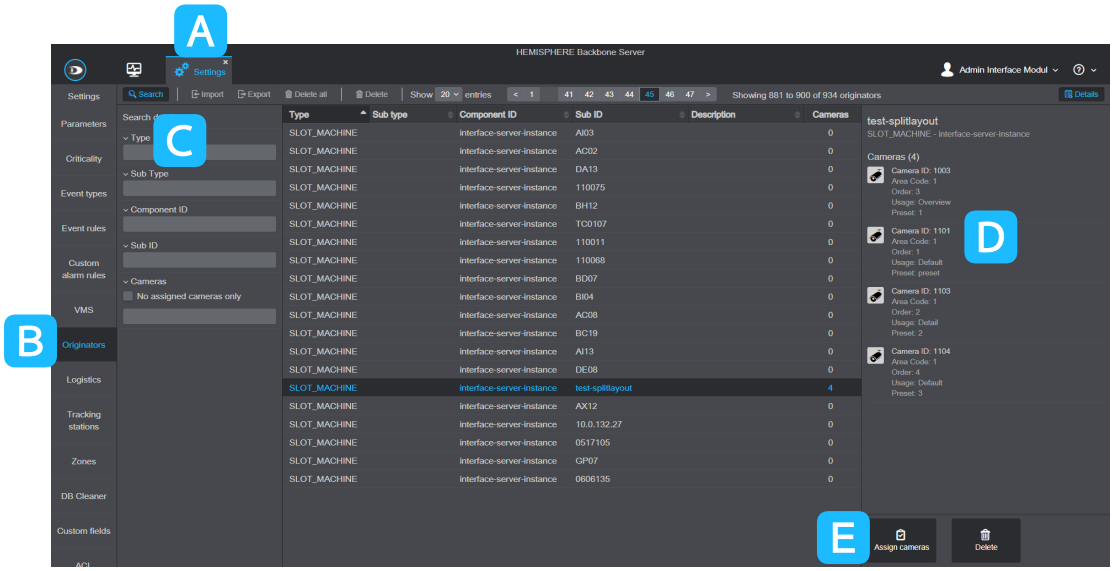

Fig. 4-1

- Click **Assign cameras** E to open the camera configuration dialog for the selected originator.

The corresponding configuration dialog is displayed.

The left column lists the **Available cameras** A, the right column lists the already **Assigned cameras** B to the Originator:

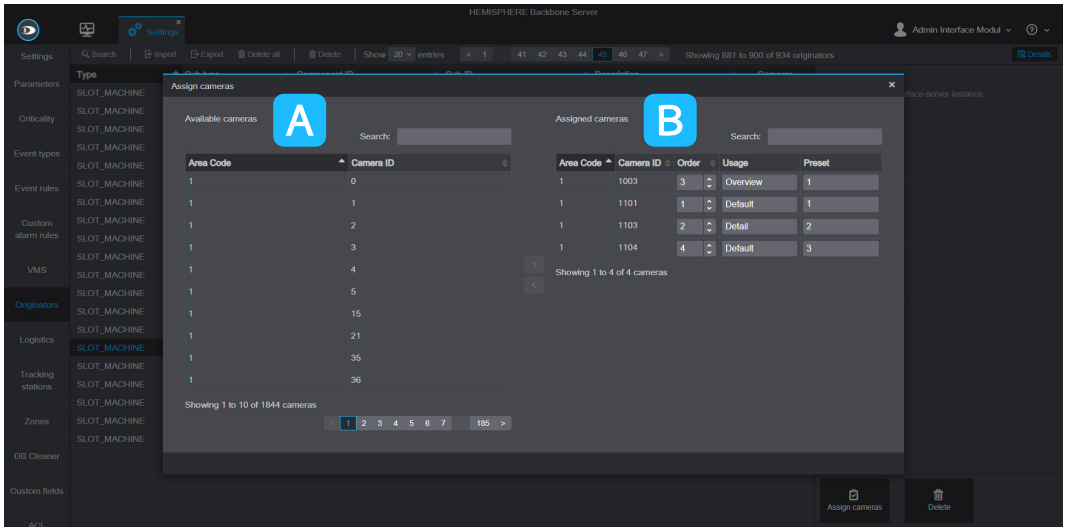

Fig. 4-2

4.1.1 Assigning Cameras to the Originator

Adding cameras to an Originator is the first step.

- Search for the required device from the **Available cameras**:

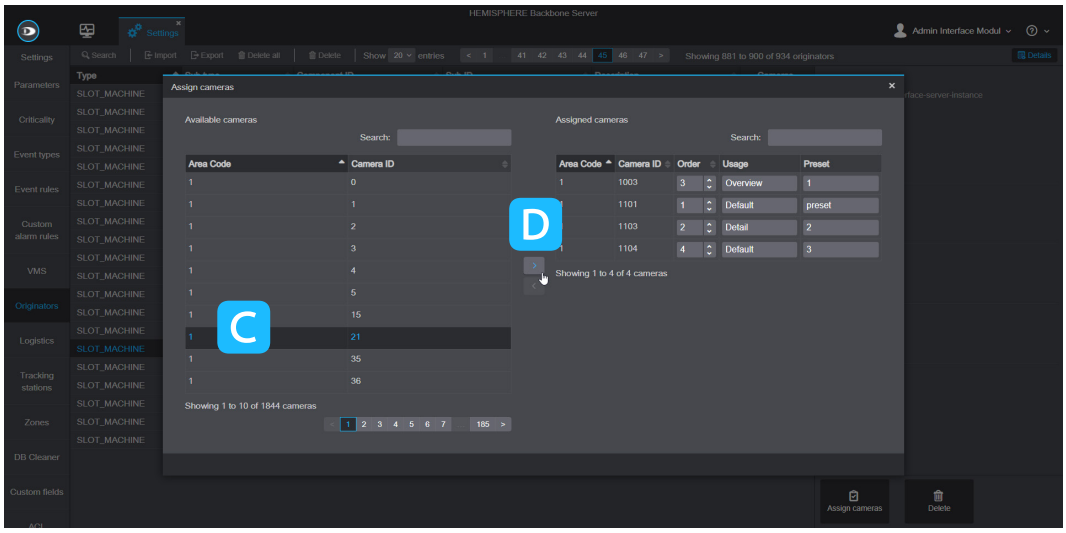

Fig. 4-3

- Select the required camera device C in the list and use the arrow button D to move the camera to the right column of the **Assigned cameras**.
- Proceed as described to add all other required cameras to the Originator.

> *In the opposite way cameras can be removed from an originator (select the required assigned camera and remove it with the < arrow button).*

4.1.2 Definition of Camera Usage Categories

Now define the usage categories for the assigned cameras.

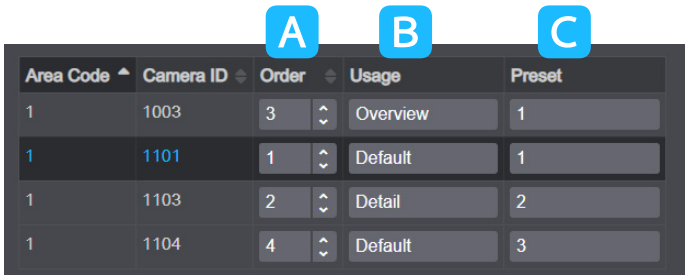

Fig. 4-4 Detail Assign cameras configuration dialog

A camera usage is defined by three values: the **Order** A number, the specific **Usage** B case and the optionally specification of a PTZ **Preset** C if a corresponding PTZ camera is used.

- Define the required usage categories for the cameras in the corresponding fields.

> *The individual adjustment and creation of camera usage categories is done in the "Alarm Management" of the HEMISPHERE® SeMSy® Configuration application (see documentation "Configuration" for "HEMISPHERE® SeMSy® Alarm Inbox").*

All settings made are immediately saved automatically and do not have to be confirmed manually.

- Simply close the **Assign cameras** dialog after you have finished editing.
- Process additional Originators as described above, if required.

4.1.3 Originator Import via CSV with Camera Usage Specification

It is possible to specify camera usage also for an Originator mass import via CSV.

> *Colored text highlights serve for a better overview in this document and do not need to be entered.*

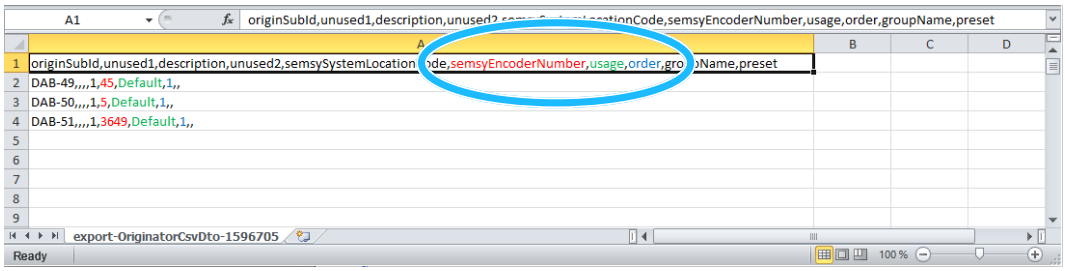

Fig. 4-5 Different originators, each with one linked camera

- Extend an appropriately prepared CSV file with the required camera usage information (**usage**, **order**) after the encoder number.

If a PTZ camera preset is also used, this can be entered here as the last value.

The option “groupName” can be treated as “unused” and thus ignored, it is not used with EEP Originators.

- Finally, import the CSV file using the import function in the **Originators** section of the HEMISPHERE® Enterprise Event Processing Module (EEP) **Settings**.

If an Originator is linked to more than one camera, a line has to be entered for each camera:

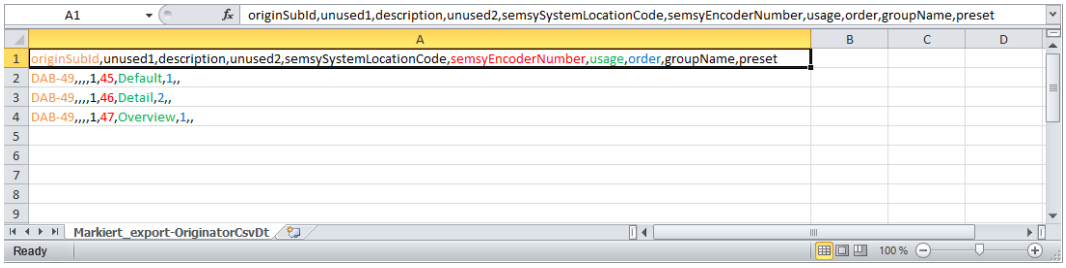

Fig. 4-6 An Originator linked to three cameras; the entries differ in the encoder number and their usage purpose

- Enter a separate line with the appropriate data for each camera to which an Originator is linked.

4.2 CREATING AN ALARM TYPE

If the event should not only trigger an automatic camera connection but also an alarm message at the same time, the alarm type for this alarm has to be created before the event rule configuration. This step is not necessary if an already existing alarm type is to be used here.

- Open the **Settings** section in the HEMISPHERE® Enterprise Alarm Processing Module (EAP).
- Select the **Alarm types** entry in the **Settings** column.

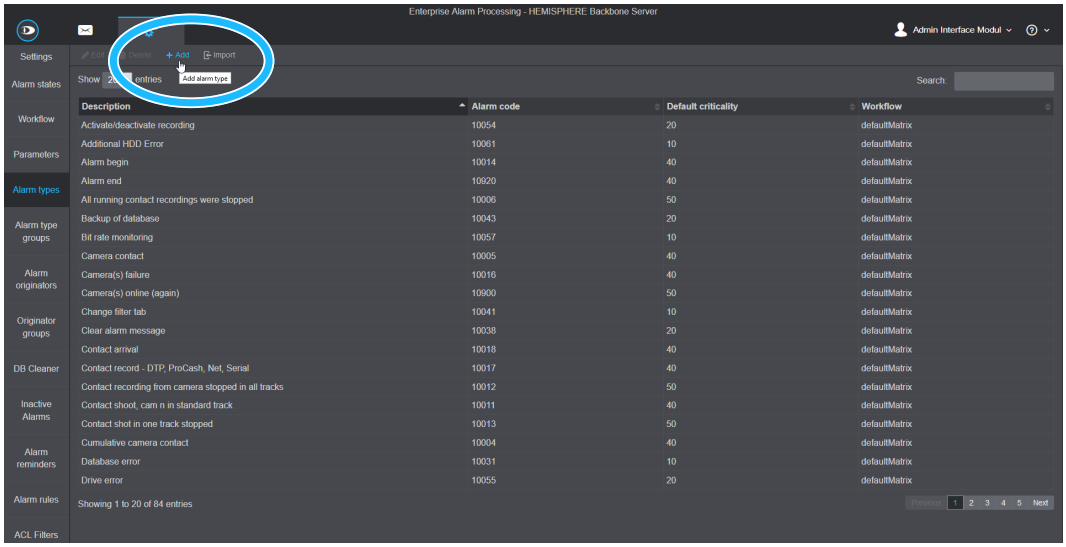

Fig. 4-7

- Click **+ Add** to create a new alarm type.

The dialog for alarm type creation is displayed in a new tab:

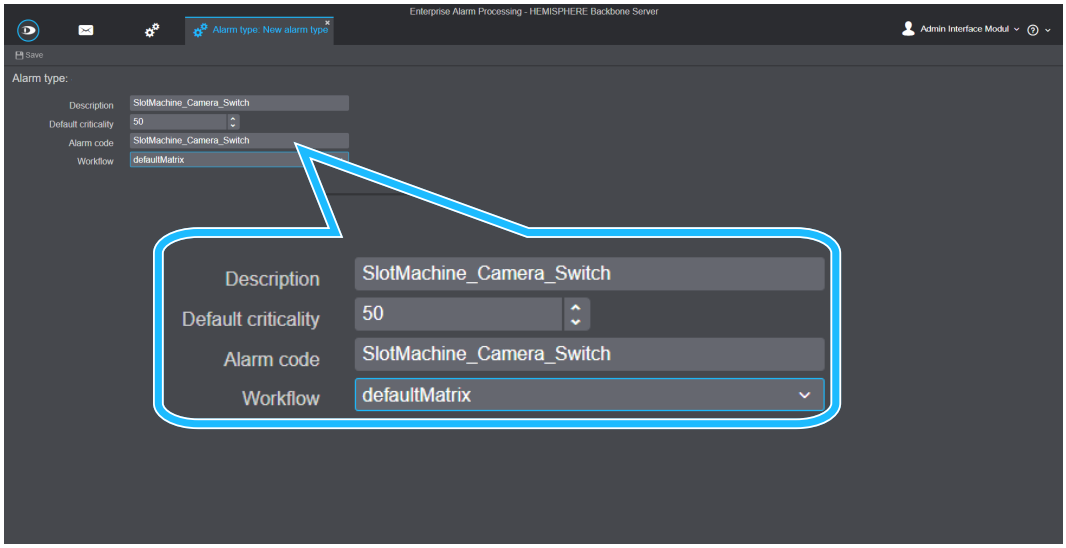

Fig. 4-8

- Enter an individual **Description**.
- Set a **Default criticality** for the alarm type.
- Define an individual **Alarm code**.

An **Alarm code** can consist of characters and numbers, but must not contain spaces.

- Select a **Workflow** for message states from the dropdown box.
- Finally, click **Save** to confirm your entries.

The new alarm type is created and can now be used, for example, to define an event rule for alarm triggering (see below).

4.3 CREATING AN ALARM SPLIT LAYOUT

An alarm split layout is a specially defined multi-split view for the evaluation of certain alarm types. In the individual splits of an alarm split layout, Originator cameras are connected according to their usage purpose. An alarm split layout can also be used here for evaluation on an external monitor. A layout is created in the **Alarm Management** in the HEMISPHERE® SeMSy® Configuration Application.

- Open the HEMISPHERE® SeMSy Configuration app in the appropriate configuration mode (accessible via the login mode change button in the login dialog on an appropriate SeMSy® workstation).
- Expand the **Alarm Management** A section.
- Select the **Alarm Split Layout** B entry.

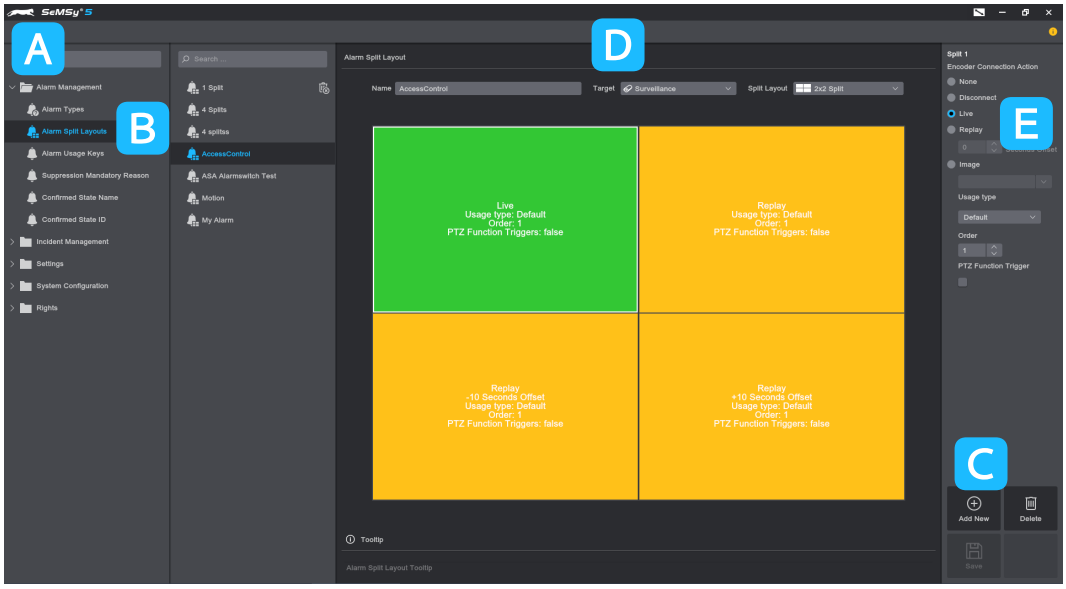

Fig. 4-9

- Select a split layout from the second column to edit it or click **+ Add New** C to create a new one.
- Edit **Name**, **Target** and **Split Layout** in the upper line D.
- Select a single split pane of the selected multi-split layout to configure it.
- Configure a selected split pane with the settings options in the last column E as described below:

E Encoder Connection Action

- **None**
  The original camera connection of the split is not changed if the alarm split layout is activated (on the **Target Surveillance Tab**).
- **Disconnect**
  Cameras that were connected at the time the alarm split layout was activated with connected to the split are disconnected (in the **Target Surveillance** tab).
- **Live**
  Connect the camera specified for this split in live mode (see in the following)
- **Replay**
  Connecting the camera specified for this split in playback mode (see below); additionally, a time **Offset** (seconds offset) can be can be set for playback
- **Image**
  Connection alarm image from an analysis server with object type selection from the drop-down menu

With the lower three settings – **Usage type**, **Order**, **PTZ Function Trigger** – you now define the camera by its usage for the split (see below):

- Define the required camera by its **Usage type**, **Order** and, if necessary, activate the **PTZ Function Trigger** option.
- Proceed as described above to configure the other splits of the alarm split layout with the required settings.
- Finally, **Save** your settings by the appropriate button.

Note also the "Configuration" documentation for "HEMISPHERE® SeMSy® Alarm Inbox Application" for further explanations of camera definitions by usage keys.

4.4 CONFIGURING EVENT RULE

Event rules, which trigger an alarm and camera activation from an event, are set up in the HEMISPHERE® Enterprise Event Processing Module (EEP).

- Open the web portal of a HEMISPHERE® Enterprise Event Processing Module (EEP) and navigate to the **Settings** A.
- Select the **Event rules** B section:

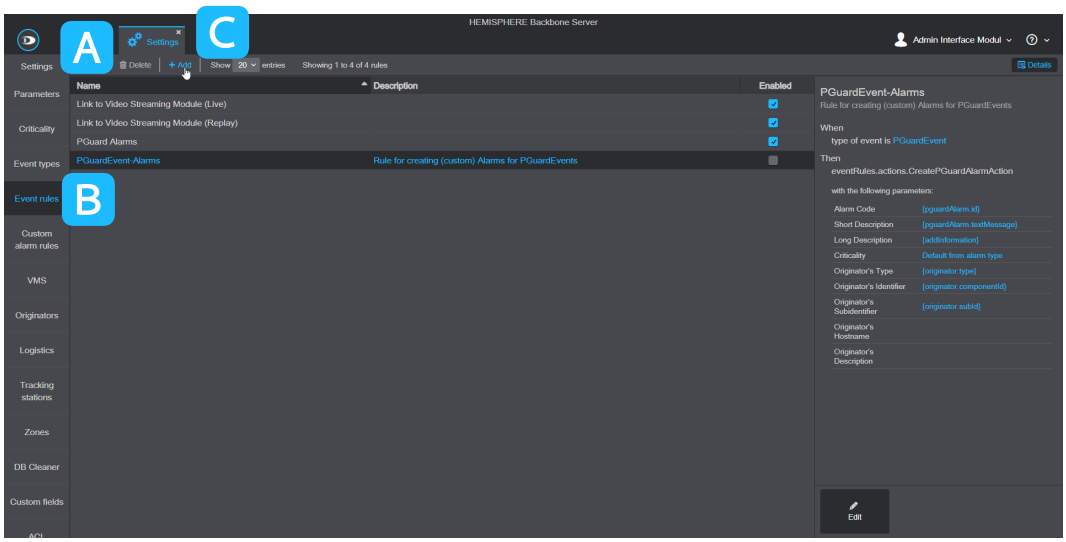

Fig. 4-10

- Click **+ Add** C to create an new event rule.

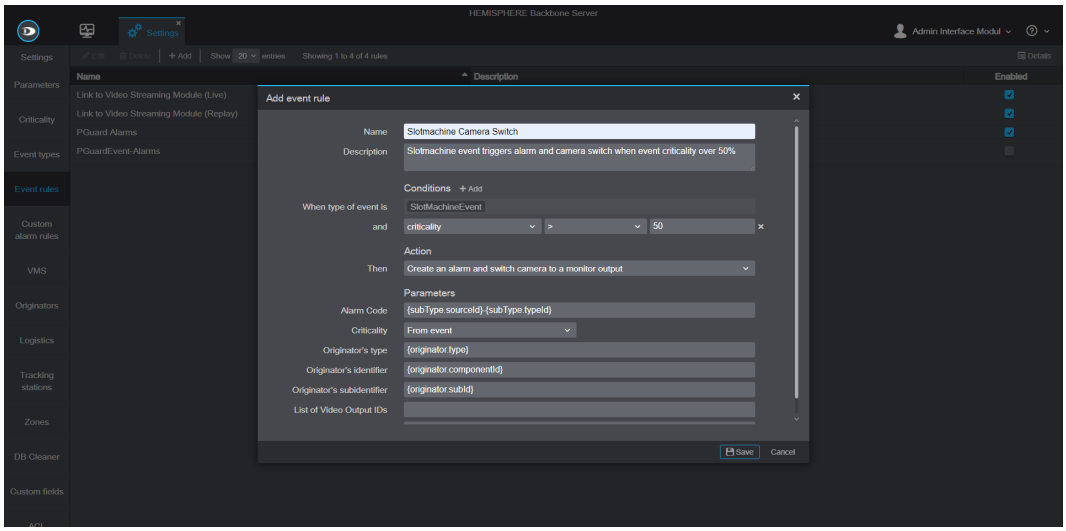

Fig. 4-11

► Configure the new event rule as described below:

Dialog Add Event Rule

Below is a sample configuration for an event rule that triggers an alarm and a camera activation in a specific alarm split layout on a monitor wall (Variodecoder).

► Enter a **Name** and a **Description** for the new event rule – freely selectable.

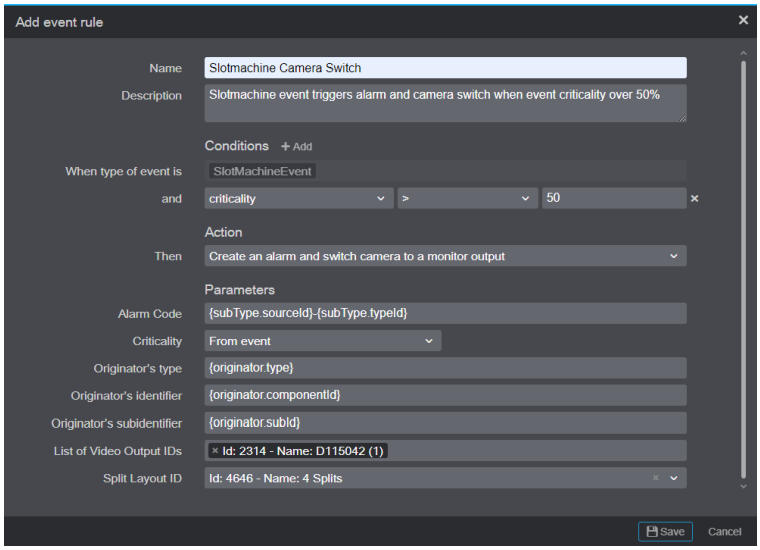

Fig. 4-12

- **Conditions**
  - ► Select the triggering event from the **When type of event is** drop-down box.
  - ► Optionally use **+ Add** to specify further conditions, if required.

- **Action**
  - ► From the **Then** drop-down box, select the action to be triggered when the event occurs (in this example: **Create an alarm and switch camera to a monitor output**).

- **Parameters** (the displayed setting options in this section depend on the selected conditions and actions)

  Alarm Code

  An alarm code can be a pre-defined, specific sequence of numbers (for example a PGuard alarm code) of the alarm type to be used here. It can also be the character string of an alarm type created especially for this purpose (see above).

  or

  An alarm code does not have to be pre-configured and thus be determined by the incoming event. In this way, an alarm code can be a composition of originator information that is delivered with the event.

For example:

`{subType.sourceId}-{subType.typeId}` {the respective syntax elements then have to be written in braces}

- Make the entry required for your specific purpose.

Originator's type, **Originator's identifier**, **Originator's subidentifier**
These three input fields are normally already defined and receive their information from the event data.

List of Video Output IDs
For the output of the alarm image camera or an alarm split layout, a fixed target on an external monitor (Variodecoder) can be defined.

- Click in the input field to display the list of external monitors.
- Select an entry to set the destination for automatic camera activation.

Split Layout ID
An alarm split layout can be used to evaluate the generated alarm message (see above).

- Click in the input field to display the list of available alarm split layouts.
- Select an entry to set the layout for automatic camera activation.

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