



Operating Manual

Smart Alarm – Desk Edition



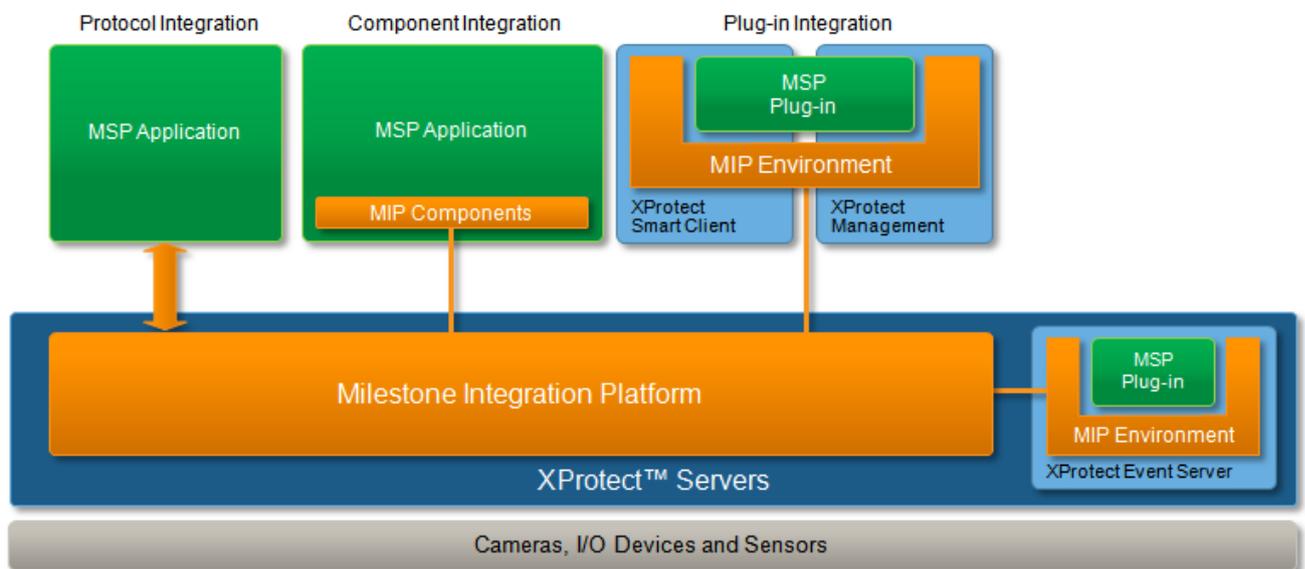
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1 General behavior of this Document

This document is targeting integrators and users of the Smart Alarm Desk Edition Application for Milestone XProtect VMS.

The SmartSoftware plugins from EET Security are deeply integrated into the Milestone XProtect VMS Platform and don't need any additional Software. MIP (Milestone Integration Platform) Plugins are dynamically loaded from the Milestone Applications and Services, which allows a simple installation and configuration. This document describes how to setup and configure your System to enable the Smart Alarm Desk Edition Application in your Milestone VMS.

The Architecture of the MIP Plugin is as follows:



The “Smart Alarm – Desk Edition” Application consists of two different Components for the Milestone VMS. One is installed on the Server side to manage the Clients and their licenses. This is running inside the Milestone Event Server and the Management Application/Client. The other one is the Smart Alarm – Desk Edition Client MSP Application as a standalone component.

The Installer file SmartAlarmDeskEditionServer_vX_X_XXX_Setup.exe includes all the necessary Files and installers for both components.

2 Smart Alarm – Desk Edition Server Side Component

The following chapters describes how to install, configure and use the Server side XProtect Event Server Plugin, which is handling the licenses during the runtime of the Smart Alarm – Desk Edition Clients.

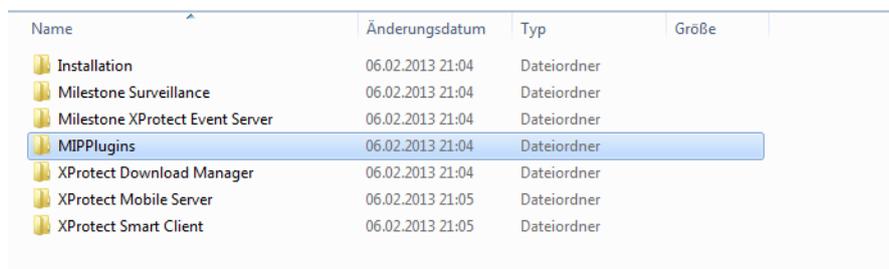
2.1 Installation of the Smart Alarm – Desk Edition Server Side Component for the XProtect Event Server and Management Application

The installation of the Plugin and Application is packed into a Setup Wizard, which will setup everything needed in your Environment. The Setup Wizard will do the following job:

- It installs the Plugin directly on the Master Server when you are using XProtect Express, Professional or Enterprise.
- It adds the Smart Alarm – Desk Edition Application to the Milestone Download Manager
- If you are using XProtect Corporate, then the installer must be run on the XProtect Corporate Management Client PC and on the XProtect Event Server.
- It will Stop and Restart the Event Server Service to activate the Plugin in the Event Server
- It will add the rule “Milestone MIP MessageCommunication Port” to your Windows Firewall to allow incoming connections on TCP port 22333

The installer will copy the Plugin files into the following Directory:

- %ProgramFiles%\Milestone\MIPPlugins\ER.EventServer.SmartAlarmDeskEdition
- %ProgramFiles (x86)%\Milestone\MIPPlugins\ER.EventServer.SmartAlarmDeskEdition



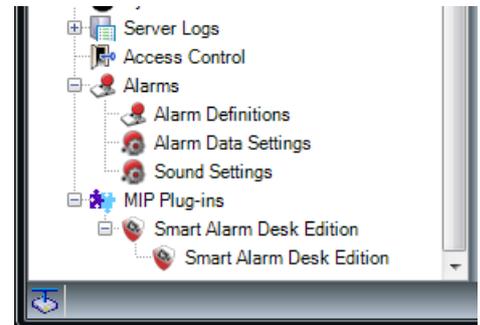
| Name | Änderungsdatum | Typ | Größe |
|---------------------------------|------------------|-------------|-------|
| Installation | 06.02.2013 21:04 | Dateiordner | |
| Milestone Surveillance | 06.02.2013 21:04 | Dateiordner | |
| Milestone XProtect Event Server | 06.02.2013 21:04 | Dateiordner | |
| MIPPlugins | 06.02.2013 21:04 | Dateiordner | |
| XProtect Download Manager | 06.02.2013 21:04 | Dateiordner | |
| XProtect Mobile Server | 06.02.2013 21:05 | Dateiordner | |
| XProtect Smart Client | 06.02.2013 21:05 | Dateiordner | |

The Event Server MIP Plugin is dynamically loaded and used by the following XProtect Applications:

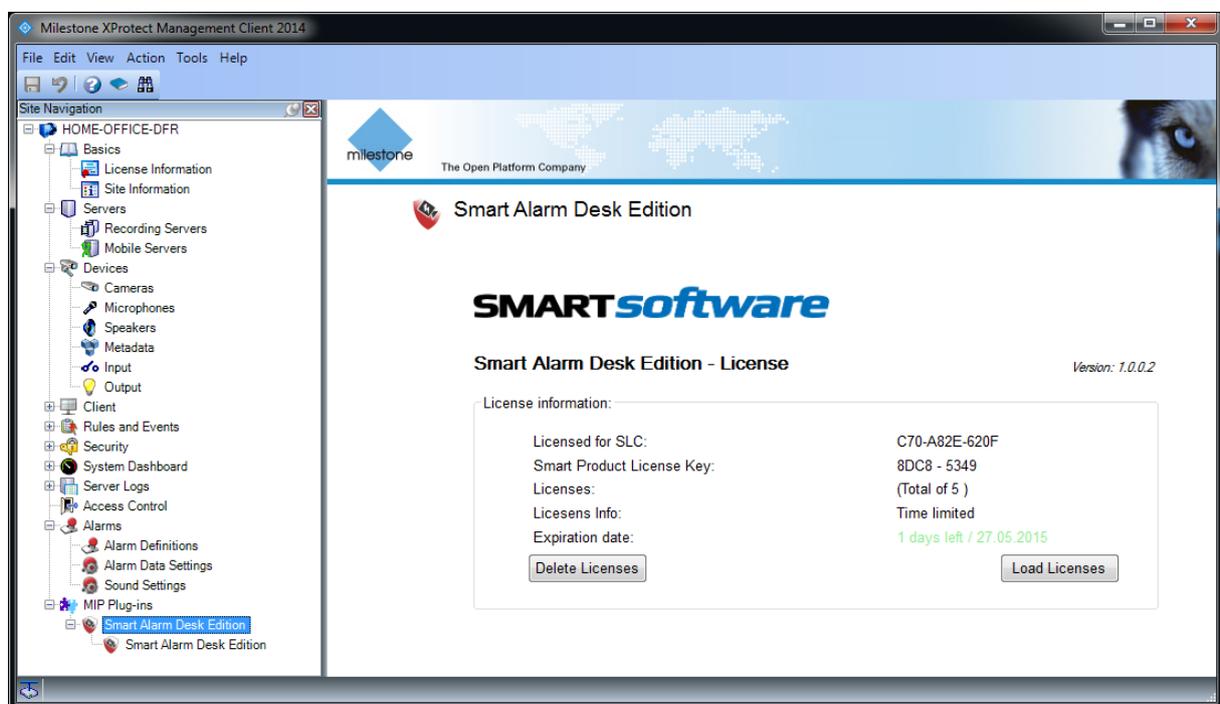
| XProtect Application: | Description: | XProtect Version: |
|------------------------|--|-----------------------------------|
| Event Server | The Event Server will load the plugin which is listening for Smart Alarm – Desk Edition Applications for registration. | All |
| Management Application | The Management Application loads the Plugin to provide the license configuration GUI and overview. | Express, Professional, Enterprise |
| Management Client | The Management Application loads the Plugin to provide the license configuration GUI and overview. | Corporate |

2.2 License Configuration in the Management Application for the Smart Alarm – Desk Edition Clients

After the installation you can start your XProtect Management Application. After the first start you will find a new Entry under “MIP Plug-Ins” called “Smart Alarm Desk Edition”.



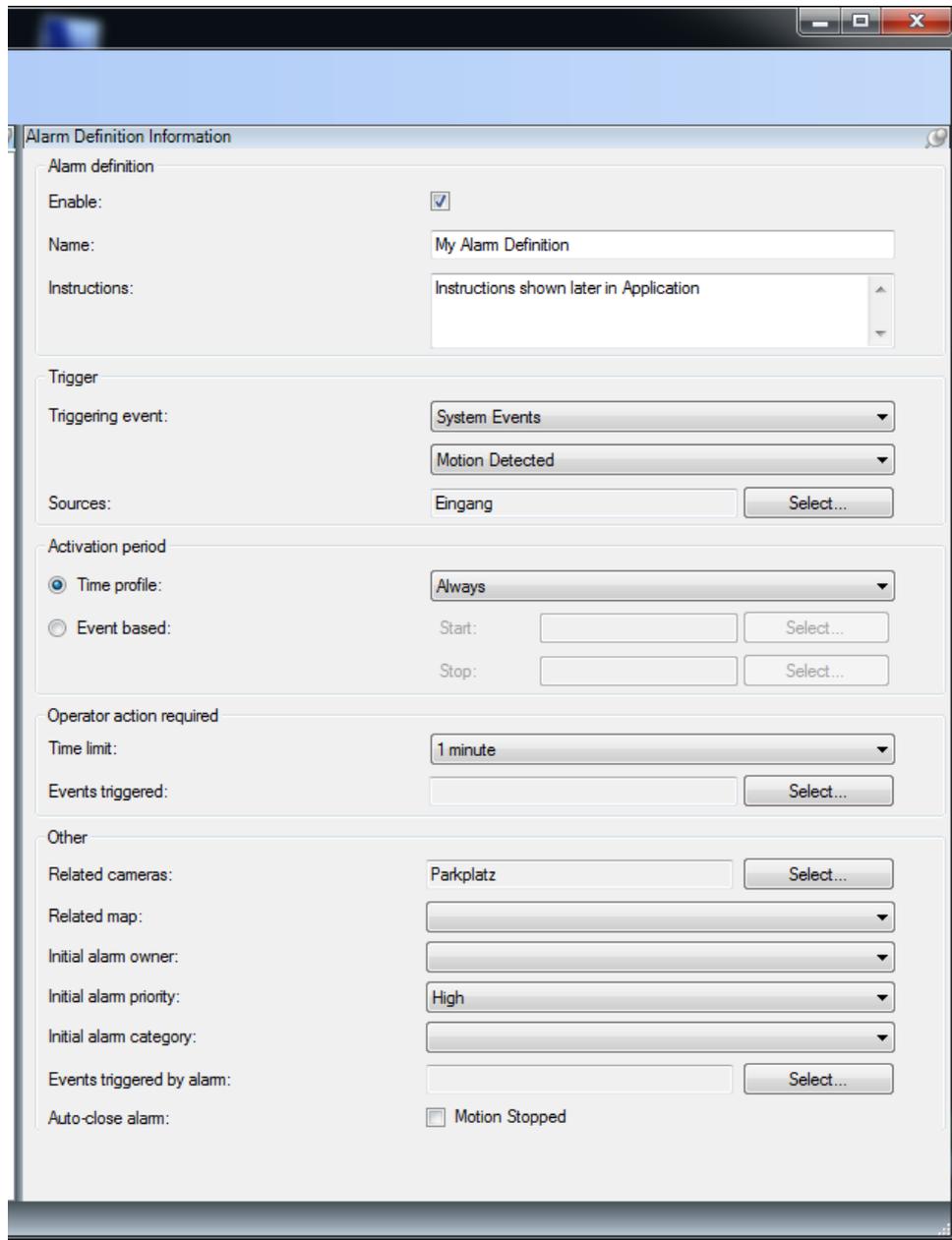
You can now load the received licenses by Clicking on Load Licenses and following the instructions:



You will see the actual licensed Smart Alarm – Desk edition instances when they are started and registered. This is a dynamic process and takes a few seconds to refresh.

2.2.1 Prepare your Milestone XProtect System with Alarms

In order to get Alarms into the Smart Alarm Desk Application, you need to configure your Alarm Definitions inside the Management Application. Smart Alarm – Desk Edition will then listening for new Alarms and automatically pop up the related Cameras:



The screenshot shows the 'Alarm Definition Information' dialog box with the following configuration:

- Alarm definition:**
 - Enable:
 - Name: My Alarm Definition
 - Instructions: Instructions shown later in Application
- Trigger:**
 - Triggering event: System Events
 - Motion Detected
 - Sources: Eingang (with Select... button)
- Activation period:**
 - Time profile: Always (selected)
 - Event based: Start: (with Select... button), Stop: (with Select... button)
- Operator action required:**
 - Time limit: 1 minute
 - Events triggered: (with Select... button)
- Other:**
 - Related cameras: Parkplatz (with Select... button)
 - Related map: (empty dropdown)
 - Initial alarm owner: (empty dropdown)
 - Initial alarm priority: High
 - Initial alarm category: (empty dropdown)
 - Events triggered by alarm: (with Select... button)
 - Auto-close alarm: Motion Stopped

Note:

Please refer to the Milestone Manual of the used Product on how to create Alarm definitions. Smart Alarm – Desk edition is listening for all Alarms triggered by the Alarm definition. The related Cameras can either be the Source or the Related Cameras of both.

→ The entire alarm configuration is done here and not in the Smart Alarm – Desk edition Application

3 Install and Configure Smart Alarm – Desk Edition Application

The following Chapter describes, how to install configure and use the Smart Alarm – Desk edition Application.

Smart Alarm – Desk edition can be used for several applications, while the main use case is Alarm-Pop-up and handling.

3.1 Installation of the Smart Alarm – Desk Edition Application

The installation of Application is packed into a Setup Wizard, which will do everything needed on your Client Environment. This installer file is added during the Server Installation Setup to the Milestone Download Manager and is available from the Internal XProtect VMS Download page:

Address for Milestone XProtect SMB – Express, Professional and Enterprise:

- <http://xprotectserveraddress:port/>

Address for Milestone XProtect Advanced VMS – Expert and Corporate:

- <http://XProtectManagementServerAddress:port/Installation>



Milestone XProtect Advanced VMS contains a set of applications which are downloaded and installed from this page. If you want to view this page in another language, use the language menu in the top right corner.

XProtect Smart Client Installer
The XProtect Smart Client has features for viewing of current and recorded video feeds and other information in the system.

XProtect Smart Client Installer 2014 (64 bit)
All Languages

XProtect Smart Client Installer 2014 (32 bit)
All Languages

SmartSoftware
SmartSoftware - Smart Alarm - Desk Edition - Version 1.0.0.3 B03
Multi Language

Download the “Smart Alarm – Desk Edition – Version x.x.x.x XXX” file and follow the instructions of the Setup Wizard. It will do the following tasks:

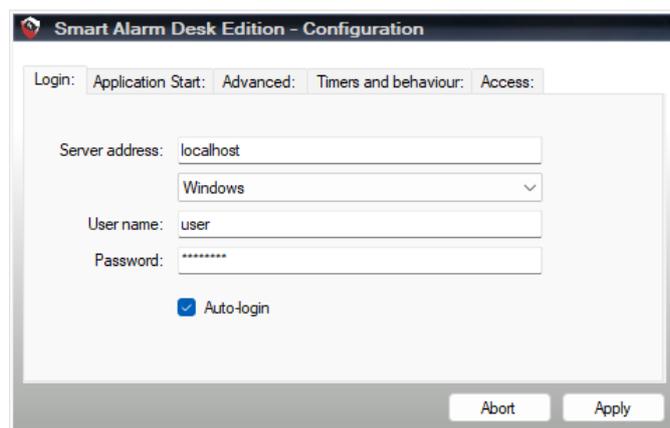
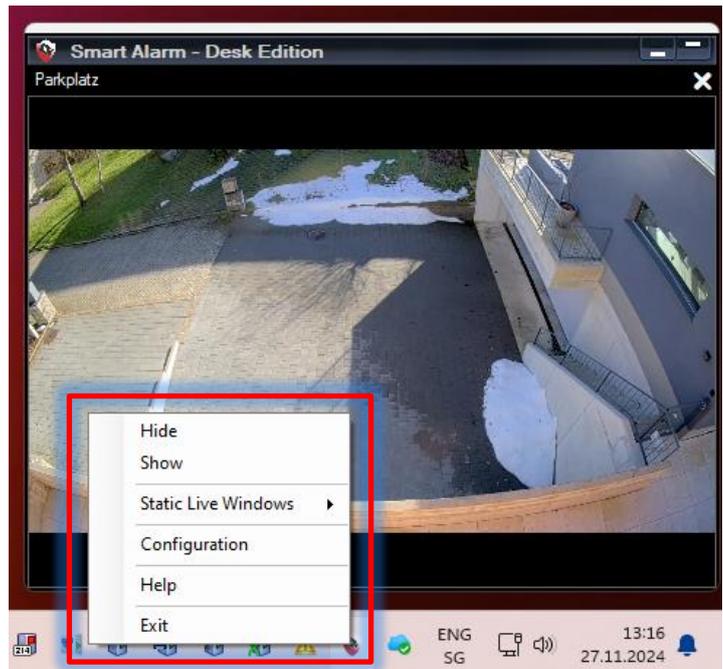
- It installs the Smart Alarm – Desk edition Application on your Client PC

3.2 Configuration of the Smart Alarm – Desk edition Application

The main configuration of the Application is done on the Milestone Management Application by creating the Alarm definitions and the related Cameras.

The configuration of the Smart Alarm – Desk edition Application is accessible through the Context Menu of the System Try Icon in the Windows Task bar:

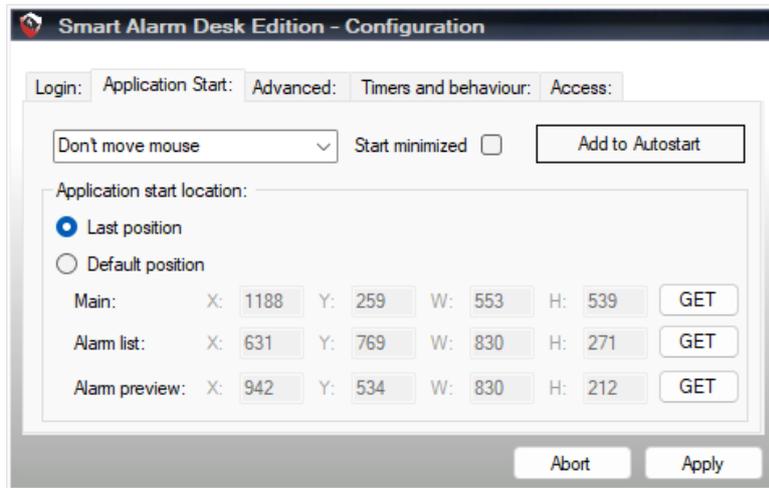
If you start Smart Alarm – Desk edition the first time and the connection to the Milestone VMS Server fails, you will automatically be redirected to the configuration Form. Otherwise you can open the following Window by clicking “Configuration”:



Enter your Milestone Server address and desired credentials. If you want to have Smart Alarm – Desk edition automatically logged in during the startup you can provide the password and check “Auto-login”. Otherwise, the operator has to login every time he starts Smart Alarm – Desk edition.

3.2.1 Configuration of the Application Start Properties:

There are several settings to setup the behavior when the Alarm Desk Application starts:



Set the desired Mouse position

Useful if the PC is not operated by a user

Start minimized

The Application is set to the System Tray after Startup

Add to Autostart

The Application is started after Windows startup

Application start location:

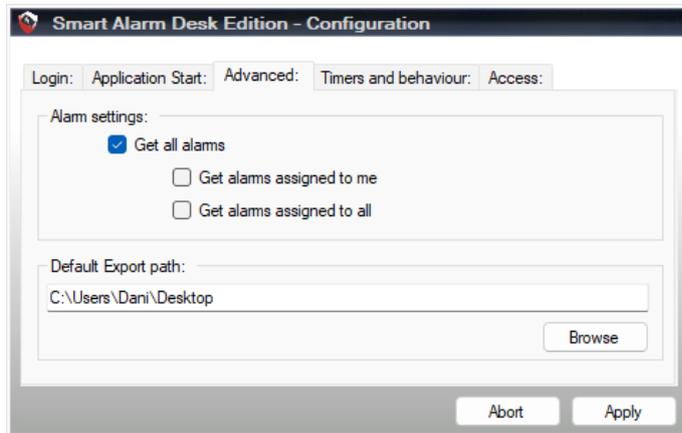
Last position will start the Application at the position where the Application was before close. It will also save the Window State (Fullscreen or Normal) during close.

Default position

Set the position for each Window. You can use the GET Button to record the current position.

3.2.2 Configuration of the Advanced Alarm Properties:

It is possible to make use of the “Initial alarm owner” feature configured in the Alarm definition. Therefore we have the following possibilities for the configuration:

**Get all alarms:**

If this is checked, Smart Alarm – Desk edition will pop up all alarms which are retrieved from the Event Server. It will not differentiate between alarm owners.

Get alarms assigned to me:

If you just check this option, there will just be a pop up for alarms, which the logged in user is configured as “Initial alarm owner” in the Alarm definition. All other alarms are visible in the alarm list.

Get alarms assigned to all:

If the “Initial alarm owner” field in an alarm definition is empty, there is no specific owner and this alarm is distributed to all clients. Uncheck this, if you don’t want to receive those alarms.

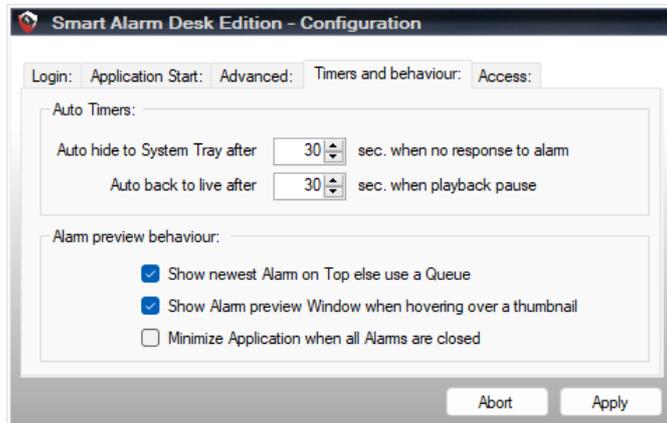
Default Export path:

Enter the default Path for the quick export function.

3.2.3 Configuration of the timers and further behaviors

The application offers different useful auto timers which can be configured under the Auto timers tab in the Configuration form.

➔ Note: Advanced configurations are available after the application successfully is logged in:



➔ **Auto hide to System Tray**

- This function is useful, if the Application is not attended or there is no need for activities. It will minimize Smart Alarm – Desk edition to the System Tray after the configured time period, if no interaction with the application occurred. If the mouse hovered over the application or any button was clicked, the timer is stopped and the user needs to minimize the application by the use of the minimize button on the right top of the application.

➔ **Auto back to live after**

- This function avoids, that the application is staying in play pause mode when an alarm was actively selected by the user, but he didn't got back to the live mode.

➔ **Alarm preview behavior:**

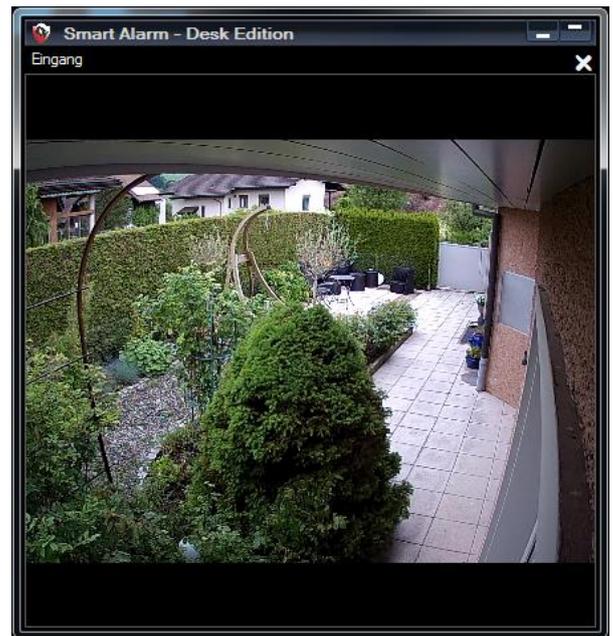
- These settings are for changing behavior of the alarm preview. It also allows to minimize the Application when all Alarms are closed.

4 Using the Smart Alarm – Desk Edition Application

In general the use of the Application is straight forward and intuitive. The following Chapter is showing the main features of the Application and how to use them. All windows can be positioned everywhere on the Screen and its size and location is restored after a restart of the application.

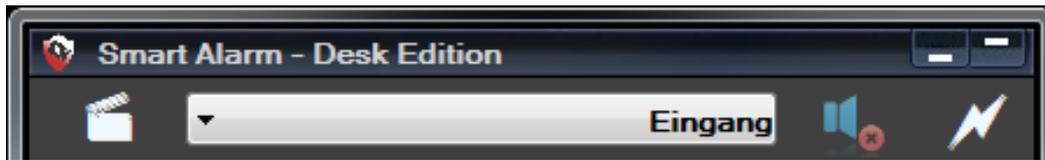
The appearance varies on alarm status and mouse positions over the application.

The following Screenshot shows the Main window of the application in live mode, when all elements are hidden and the alarm queue is empty.



If there are alarms in the queue and or the top control is visible the application can look like this.

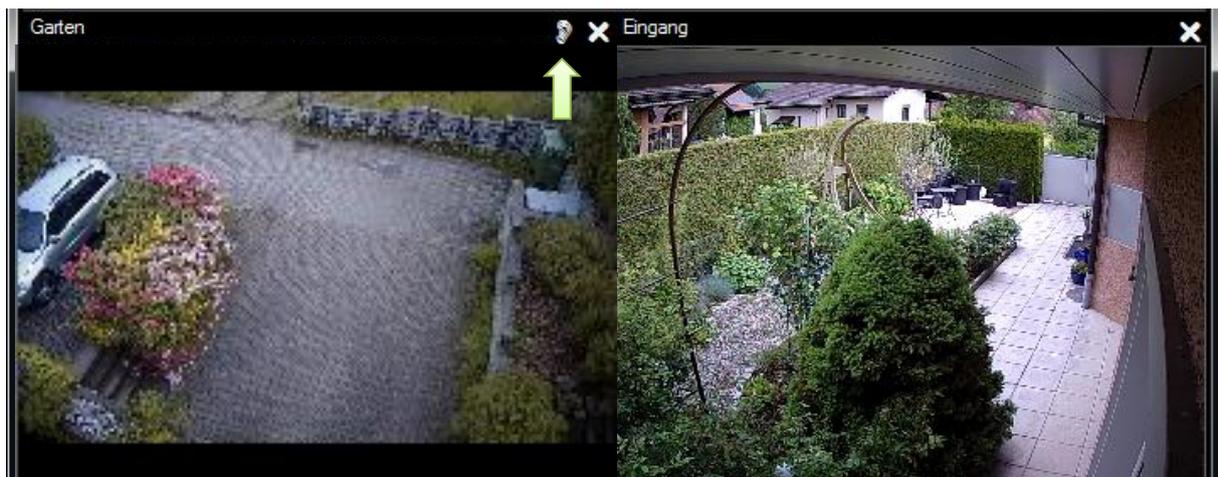




The top Control is shown when the mouse is hovering over the top of the application. It offers the following functions:

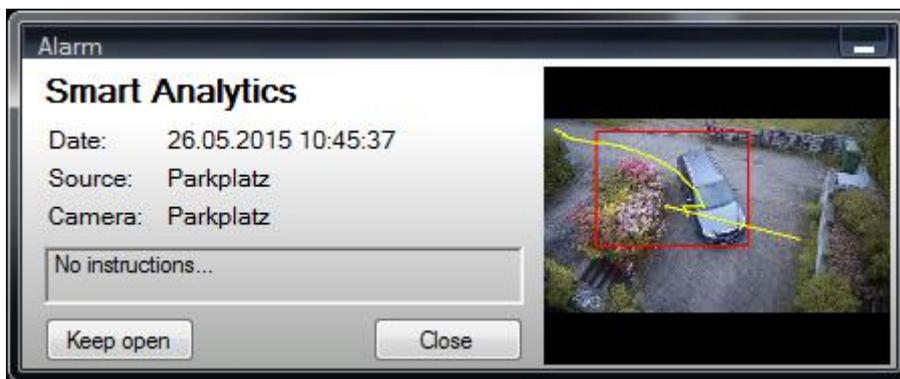
- Live / Playback Mode
 - You can switch between Live and Playback mode
- Camera selection list
 - If you select a Camera from the list, it will directly be added to the Multi View panel.
- Audio On / Off
 - Generally enables or disables Audio Sources if any in the selection.
- Output / Event Trigger
 - It is possible to assign an Output or Event to a specific Alarm. If this alarm is selected or popped up, you can use this button for a direct trigger.

The Multiview part in the middle of the Application shows live or Playback view of the Cameras. Specific functions like Audio- in and –out as well as PTZ Preset positions are shown in the Top of the Video if available (sample of an available microphone):



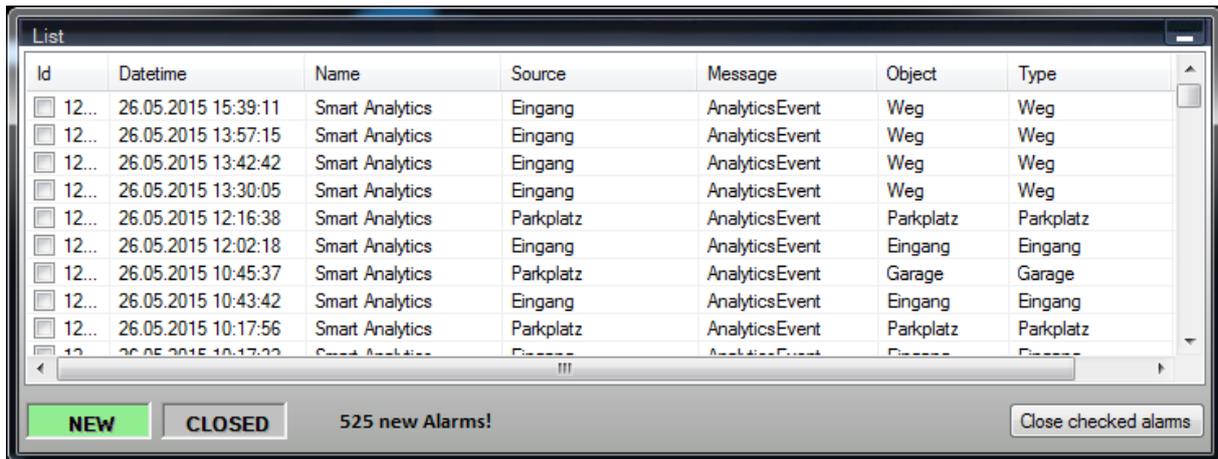


The bottom part of the Application is showing a Thumbnail of the Alarms in the Queue. You can directly hover over an alarm to see its details in a separate window:



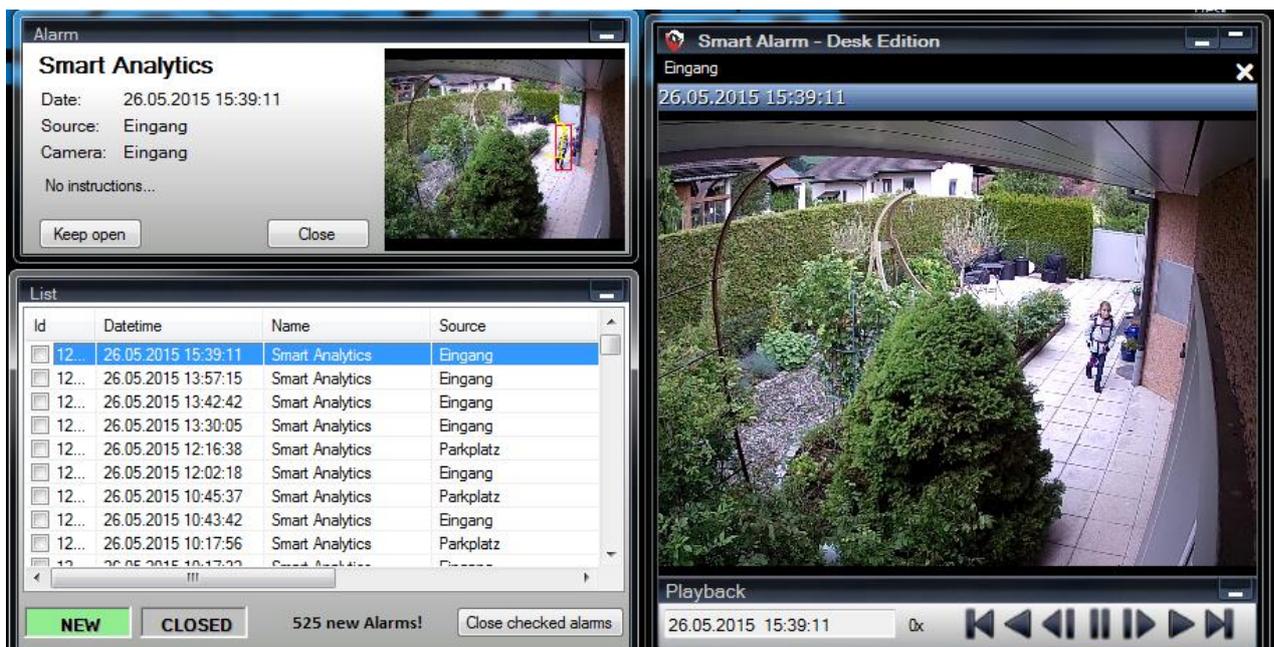
You can also open a window with the alarm list to investigate on open and closed alarms by clicking on the Alarm list button and switch between alarms in the queue with the arrow buttons:



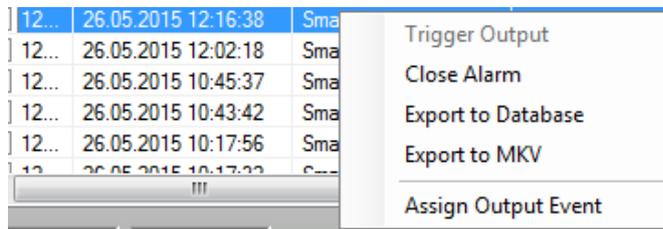


The alarm list offers several functions for alarm handling. If you hover over an alarm, the Alarm details Window is shown.

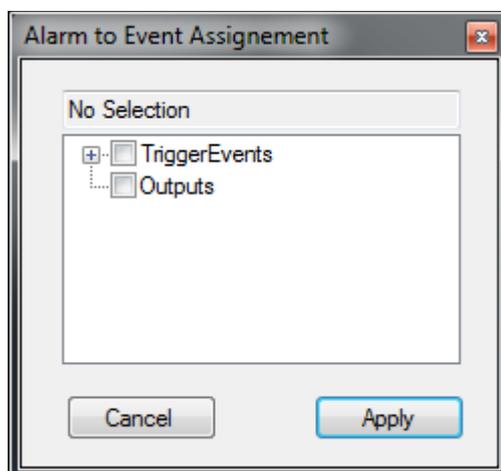
By clicking on an alarm, it will directly switch into the Playback of it. The following screenshot shows a sample setup after selecting an alarm for Playback:



The context menu of an alarm has the following functions. The same context menu is available on the Alarm preview panel:

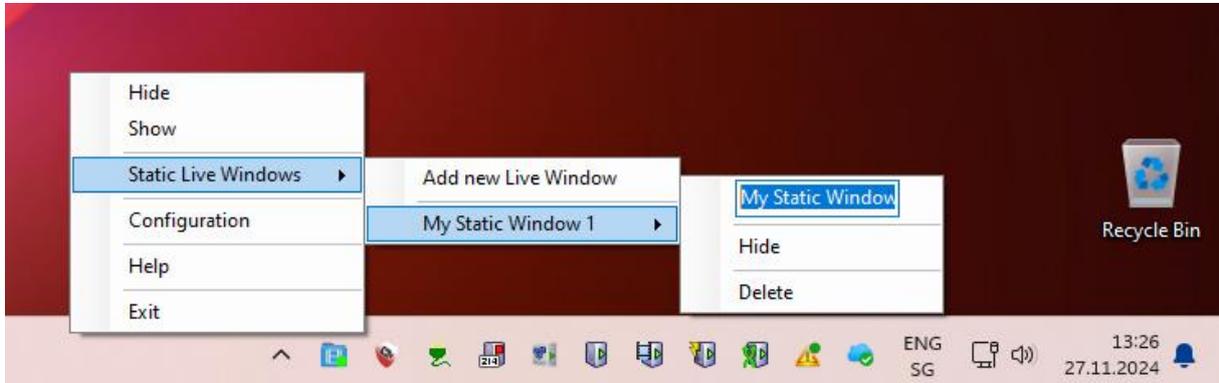


- Trigger Output
 - Enabled, when an output or event is assigned to this alarm
- Close Alarm
 - Directly close this alarm
- Export to Database / MKV
 - Export this alarm to Milestone database or MKV
- Assign Output Event
 - Used to assign an Output or Manual Event to this Alarm.
Select the desired Manual Event or Output in the Selection Tree view

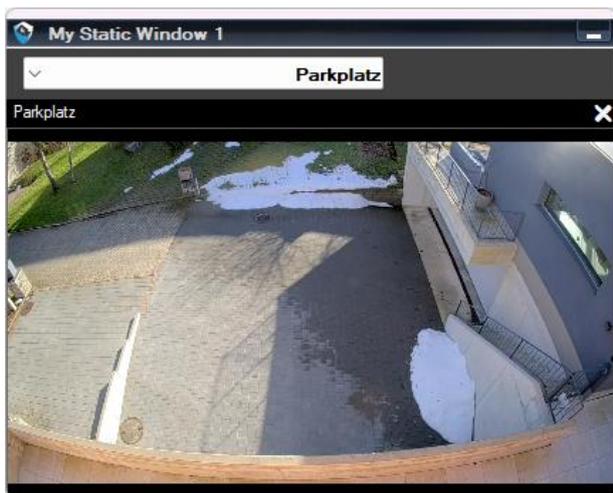


Static Live Windows can be used to show Windows with live streams on top.

To create and manage static Live Windows you can do this by accessing it in the System Tray Menu:



You can create multiple windows with individual Cameras in it:



The Icon on top of a static Live Window is colored blue. You can add the cameras by the drop-down control.

The static live window is not involved in Alarms and stays on top for continuous visibility of the selected cameras.

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