

SGSE

Soluciones Globales de Seguridad Electrónica

VIRTUAL MONITOR

User manual

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1. Document versions

| Version | Date | Author | Version description |
|----------------|-------------|---------------|-------------------------------|
| 1.0 | 07/2024 | CLL | First versión of the document |
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| | | | |

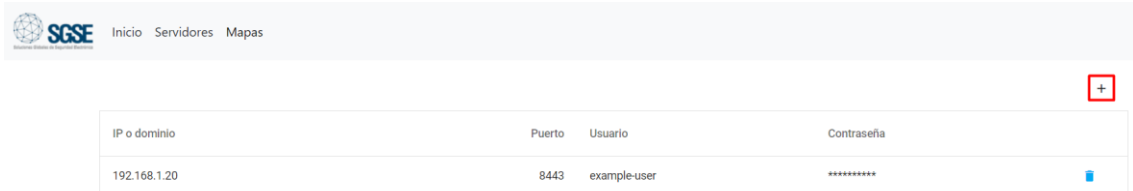
2. ACC Server Configuration

The ACC servers whose video analytics events you want to monitor should be added on the configuration page:

<https://sgse-virtual-monitor.eu:7348/AvigilonServers>

Clicking the "+" button at the top right of the table will create a new entry, and the following fields must be filled in with the ACC server information:

- IP or domain.
- Port.
- User.
- Password.



The screenshot shows the SGSE web interface. At the top left is the SGSE logo and navigation links: Inicio, Servidores, Mapas. On the right side, there is a red-bordered '+' button. Below it is a table with the following data:

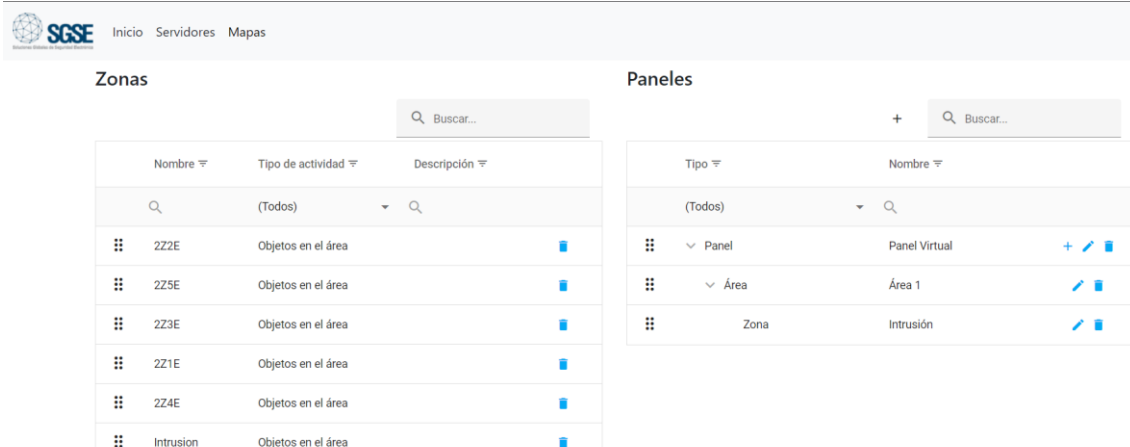
| IP o dominio | Puerto | Usuario | Contraseña |
|--------------|--------|--------------|------------|
| 192.168.1.20 | 8443 | example-user | ***** |

3. System Elements Configuration

The zones (camera analytics events from the ACC server) will be automatically added, appearing in the integration and displayed on the page <https://sgse-virtual-monitor.eu:7348>, in the left column titled Zones.

For more details on existing or potential analytical events, please carefully read the ACC 7 system manual from Avigilon (avigilon-acc7-client-es.pdf). In the mentioned manual, you can find the activity performed by the event along with its description.

Panels and areas must be created by the user in the left-hand tree, and will be hierarchically ordered, allowing zones to be dragged and dropped onto areas to associate them. Similarly, areas can be dragged between panels.



The screenshot shows the SGSE virtual monitor interface with two main sections: 'Zonas' and 'Paneles'.

Zonas Section:

| Nombre | Tipo de actividad | Descripción |
|-----------|--------------------|-------------|
| (Todos) | (Todos) | (Todos) |
| 222E | Objetos en el área | |
| 225E | Objetos en el área | |
| 223E | Objetos en el área | |
| 221E | Objetos en el área | |
| 224E | Objetos en el área | |
| Intrusion | Objetos en el área | |

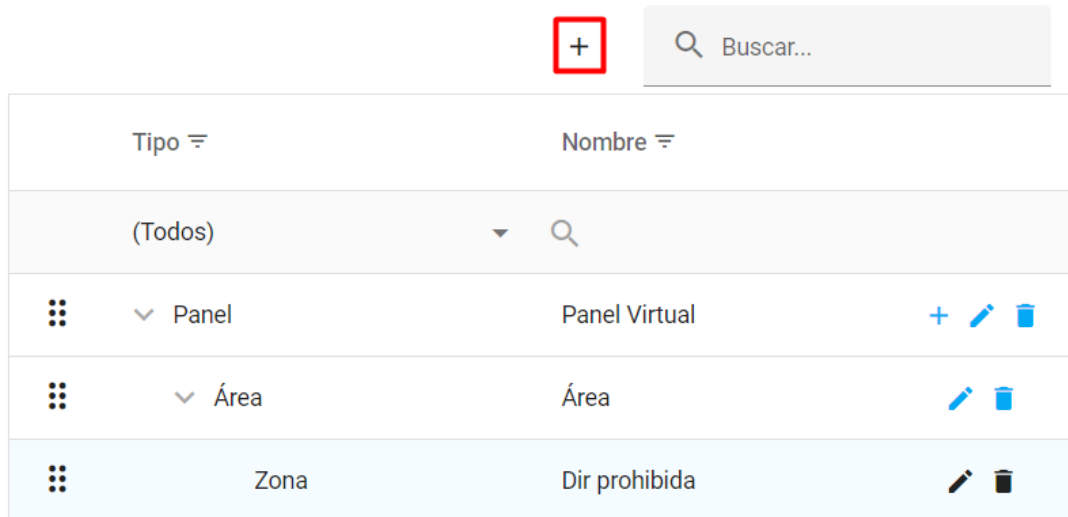
Paneles Section:

| Tipo | Nombre |
|---------|---------------|
| (Todos) | (Todos) |
| Panel | Panel Virtual |
| Área | Área 1 |
| Zona | Intrusión |

Adding a Panel

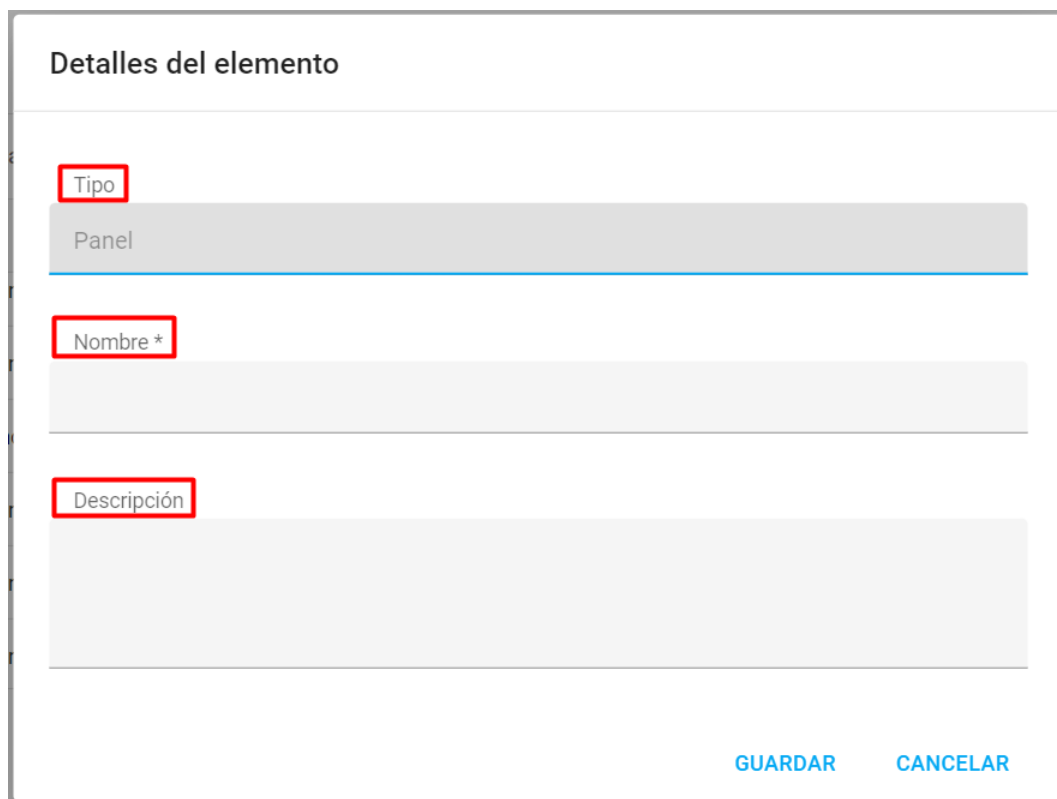
At the top right of the tree showing the hierarchy of elements, next to the search panel, click the "+" button.

Paneles



| Tipo | Nombre |
|---------|---------------|
| (Todos) | Q Buscar... |
| Panel | Panel Virtual |
| Área | Área |
| Zona | Dir prohibida |

In the pop-up dialog, the type of element will be preset to "Panel." You can first specify the name and description of the element:



Detalles del elemento

Tipo
Panel

Nombre *

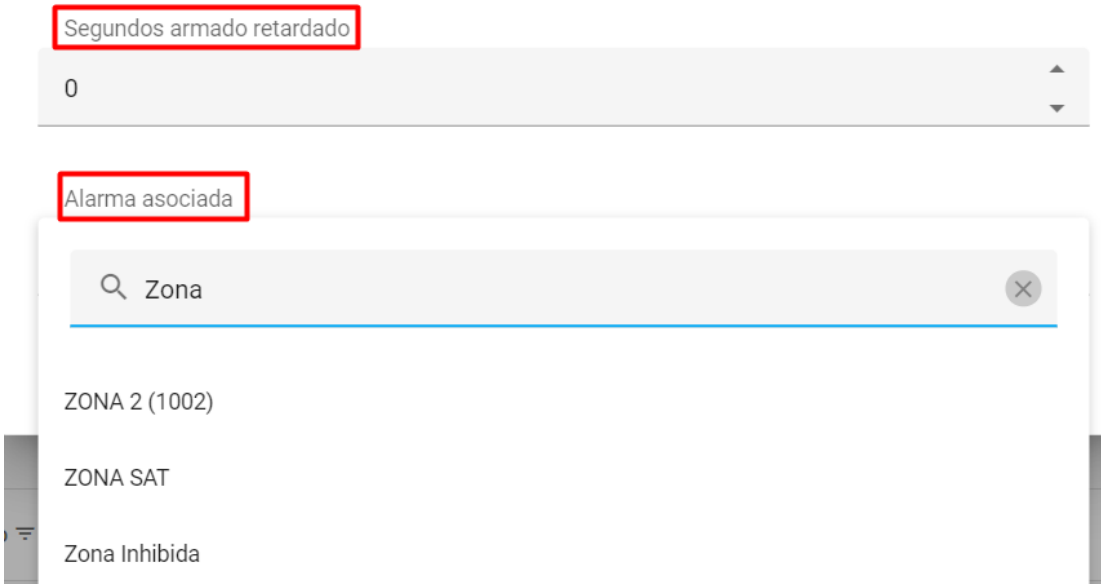
Descripción

GUARDAR CANCELAR

Secondly, you can set the seconds it will take to arm the delayed arming option, and associate an alarm.

The "Associated Alarm" field has a search box. You can select one of the alarms defined in ACC (Avigilon).

If the element has an associated alarm, it will appear in alarm status on the map when the alarm is triggered, **and confirming the alarm in the element will confirm the alarm in ACC.**










The image shows two UI elements. The first is a dropdown menu labeled "Segundos armado retardado" with a value of "0". The second is a search box labeled "Alarma asociada" containing the text "Zona". Below the search box is a list of options: "ZONA 2 (1002)", "ZONA SAT", and "Zona Inhibida".

Adding an Area

To add a new area, go to the panel where you want to create it and click "+."

Paneles

| Tipo | Nombre | |
|---------|---------------|---|
| (Todos) | | |
| Panel | Panel Virtual |    |
| Área | Área |   |
| Zona | Dir prohibida |   |

As with the panel, the area configuration includes name, description, and:

Detalles del elemento

Tipo

Área

Nombre *

Área 1

Descripción

Primer área del panel

GUARDAR **CANCELAR**

Seconds for the delayed arming option, and associated alarm (alarms declared in Avigilon ACC).

Segundos armado retardado

0

Alarma asociada

Q zona

ZONA 2 (1002)

ZONA SAT

Zona Inhibida

Adding a Zone

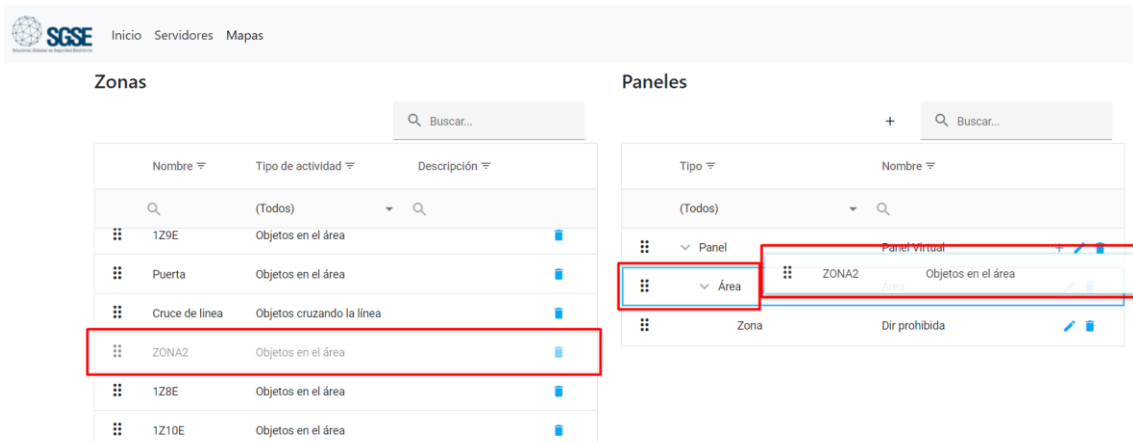
Zones will be automatically imported when a new ACC server is added in the server configuration at <https://sgse-virtual-monitor.eu:7348/AvigilonServers>

All available zones will be listed in the right panel:

Zonas

| <input type="text" value="Buscar..."/> | | | |
|--|--------------------|--------------------------------|--|
| Nombre | Tipo de actividad | Descripción | |
| <input type="text" value="Q"/> | (Todos) | <input type="text" value="Q"/> | |
| ⋮ 2Z3E | Objetos en el área | | |
| ⋮ 2Z5E | Objetos en el área | | |
| ⋮ 2Z2E | Objetos en el área | | |
| ⋮ 2Z1E | Objetos en el área | | |
| ⋮ 2Z4E | Objetos en el área | | |
| ⋮ 3Z2E | Objetos en el área | | |

Zones can be associated with an area of a panel. To do this, drag the desired zone from the left list (left box 'Zonas') to the right tree (right box 'Panels'), dropping it onto the corresponding area.



The screenshot shows the SGSE interface with two main panels: 'Zonas' and 'Paneles'. The 'Zonas' panel on the left contains a table of zones, with 'ZONA2' highlighted by a red box. The 'Paneles' panel on the right shows a tree structure with 'Panel Virtual' expanded, and 'ZONA2' is being dragged from the 'Zonas' panel to the 'Área' sub-item under 'Panel Virtual'.

Like panels and areas, zones have "Name" and "Description" fields, and also the following options:

Detalles del elemento

Tipo
Zona

Nombre *

ZONA2

Descripción

GUARDAR CANCELAR

- "Arm in partial arming": When the partial arming command is executed on an area, the zones where this property is enabled will be armed.
- "Associated Alarm": Same behavior as in panels and areas.
- "Custom Type": Allows you to choose an icon from the available zone types.

Armar en armado parcial

Alarma asociada

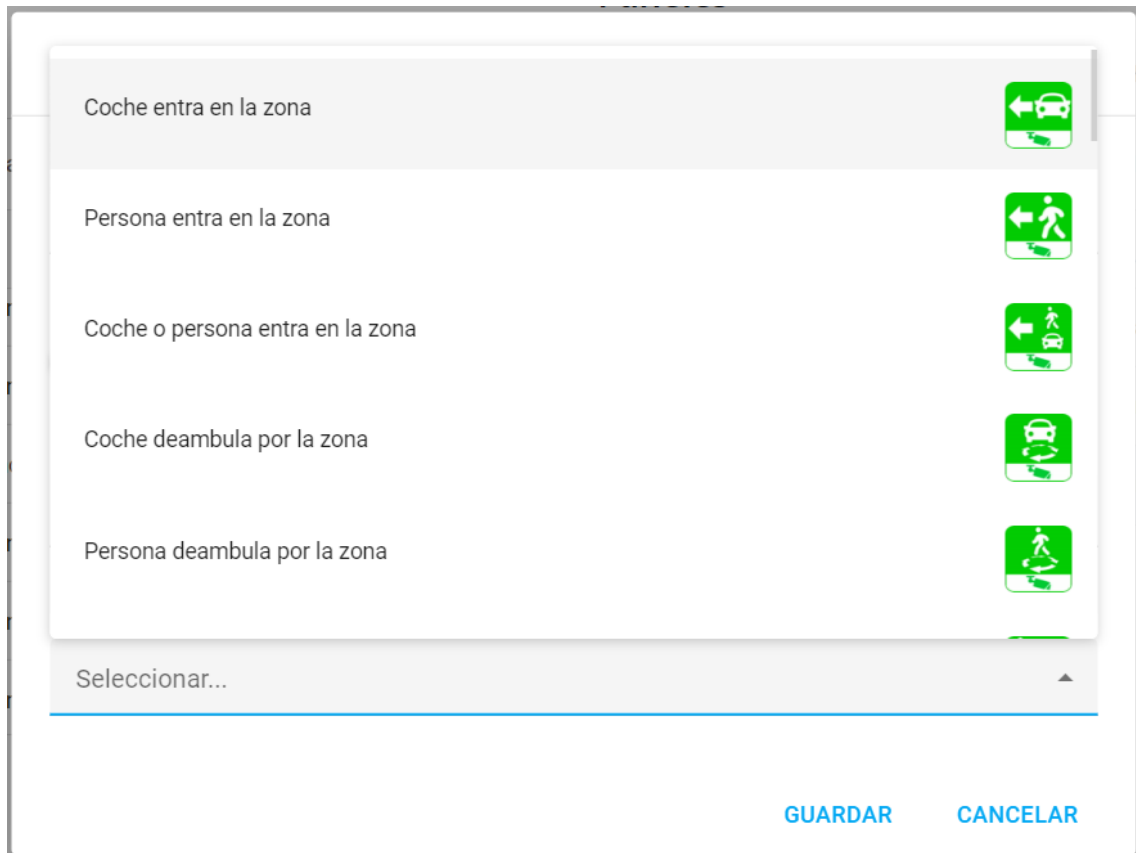
Seleccionar...

Tipo personalizado

Seleccionar...

GUARDAR CANCELAR

The "Custom Type" icon configuration will show a list of activity types and their corresponding icons.



Event Visualization

Events received from the ACC server will be displayed at the bottom of the screen, and can be sorted and filtered by any of their fields (name, type, activity, date/time, and server).

Events

| Name | Type | Activity | Date | Server |
|-----------------|------------------------|----------------|--------------------------|--------|
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:08.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:08.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:08.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:08.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:11.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:11.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:11.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:11.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:11.FFF | NVR1 |
| AREA2PEATONALIN | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:12.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:12.FFF | NVR1 |
| Test | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:12.FFF | NVR1 |
| Test | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:16.FFF | NVR1 |
| AREA2PEATONALIN | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| AREA2PEATONALIN | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| Test | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_START | OBJECT_PRESENT | 26/06/2024, 08:39:22.FFF | NVR1 |
| Intrusión | DEVICE_ANALYTICS_STOP | OBJECT_PRESENT | 26/06/2024, 08:39:23.FFF | NVR1 |

1 2 3 4 5 ... 244

4. Floor plan

In the "Maps" tab, the user will be redirected to the web interface of the floor plan service. All items will be available to be dragged onto the map, with the name assigned from the configuration page.

The operator can send commands to:

- a) Panels
- b) Areas
- c) Zones

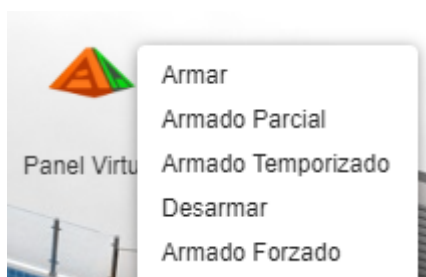


Commands

On the map with icons, the operator must right-click on the icon, and the system will show the available commands for the selected item.

Panels have the following commands:

- Arm
- Partial Arming
- Timed Arming
- Disarm
- Forced Arming



Each area has the following commands:

- Forced Arming
- Partial Arming
- Disarm
- Timed Arming
- Arm










Each zone has the following commands:

- Inhibit
- Isolate
- Reinstate











Iconography









Panel

| Status | Icon |
|-------------------------|---|
| Normal |  |
| Alarmed |  |
| Armaed |  |
| Partially armed |  |
| Awaiting Delayed Arming |  |
| Malfuncion |  |
| Unknown |  |
























Area










| Status | Icon |
|-------------------------|---|
| Normal |  |
| Alarmed |  |
| Armed |  |
| Force set |  |
| Partially armed |  |
| Awaiting Delayed Arming |  |
| Malfuncion |  |
| Unkonwn |  |

Zone

| Status | Icon |
|--------------------|---|
| Normal |  |
| Alarmed |  |
| Active |  |
| Armed |  |
| Inhibit |  |
| Isolated |  |
| Malfunction |  |
| Unknown |  |

Zone Types

| Type | Icon |
|---|---|
| Car enters the zone |  |
| Person enters the zone |  |
| Car or person enters the zone |  |
| Person loiters in the zone |  |
| Car loiters in the zone |  |
| Car or person loiters in the zone |  |
| Car crosses the line |  |
| Person crosses the line |  |
| Car or person crosses the line |  |
| Car appears in the zone |  |
| Person appears in the zone |  |
| Car or person appears in the zone |  |
| Missing person |  |
| Missing car |  |
| Missing car or person |  |
| Car enters the area of interest |  |
| Person enters the area of interest |  |
| Car or person enters the area of interest |  |
| Car leaves the area of interest |  |
| Person leaves the area of interest |  |
| Car or person leaves the area of interest |  |
| Car stops in the zone |  |
| Person stops in the zone |  |

| | |
|---|---|
| Car or person stops in the zone |  |
| Car in the wrong direction |  |
| Person in the wrong direction |  |
| Car or person in the wrong direction |  |
| Intelligent movement |  |
| Tampering |  |
| Crowd size |  |
| Unusual crowd growth |  |
| Unusual crowd size |  |

More information

For more information, visit <http://www.sgse.eu> or contact SGSE at info@sgse.eu.