

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 version of the document
1.1	10/2024	APL	Second version of the document



2. License		
To license the Virtual Pane	l, first access the Virtual Panel menu	and select the 'License' option.
Start Servers Map License		
		License information
	Soluciones Globales de Seguridad Electrónica	Activada: True Licencia temporal: False Número de paneles: 1000 Número de áreas: 2000 Número de zonas: 4000 Días de validez: 0 Fecha de creación: 13/9/2024 12:16:02
	Description	
	Solución de análisis de vídeo para control de intrusión para Avigilon	
	Please provide the following UID to SGSE to obtain your license	
	6GM63X-1V78K1	F-VBTT0I-1VCLMAI
	Copy to clipboard	Select license file

Once inside, you must send the UID code to SGSE so they can activate the license. After sending the UID to SGSE, you will receive a file containing the activated license.

Next, click on 'Select License File.'

Start Servers Maps License					
	Soluciones Globales de Seguridad Electrónica	License information Activada: True Licencia temporal: False Número de paneles: 1000 Número de áreas: 2000 Días de validez: 0 Fecha de creación: 13/9/2024 12:16:02			
	Solución de análisis de vídeo para control de intrusión para Avigilon				
	Please provide the following UID to SGSE to obtain your license				
	6GM63X-1V78K1	F-VBTT0I-1VCLMAI			
	Copy to clipboard	Select license file			

Once done, locate the license file provided by SGSE. After selecting it, the Virtual Panel will be activated.



3. Create alarms in ACC

First, go to Setup.



Then go to Alarms.

General							
G eneral	Users and Groups	Security	Alarms	External Notifications	Rules	Backup Settings	Restore Settings
Other							
Site View Editor	Manage Site	Connect/Disconnect Devices	Access Control	Avigilon Cloud Services	Site Upgrade	License Management	Identity Data Retention

Next, click on 'Add.'

Alarms:					
IAREA001 ▲ IAREA002 ▲ IAREA003 ■ IPA001 ■ IZ1 ■ IZ2 ■ IZ3 ■ IZ4 ■ IZ5 ■ IZ6 ■ IZ7 ■ IZ8 ■ IZ9 ■ 2AREA001 ■ 2AREA002 ■ PA002 ■ IZ1 ■ IZ1 ■	Alarms:				
1AREA003 IPA001 IZ1 IZ10 IZ11 IZ12 IZ2 IZ3 IZ4 IZ5 IZ6 IZ7 IZ8 IZ9 2AREA001 2AREA002 2AREA002 IZ1 IZ1	1AREA001 1AREA002	^			
IZ1 IZ10 IZ10 IZ11 IZ12 IZ2 IZ3 IZ4 IZ5 IZ6 IZ7 IZ8 IZ9 2AREA001 2AREA001 2AREA002 2AREA002 2AREA002 2AREA002 2Z1 IZ10 ▼	IAREA003 1PA001				
1210 1211 1212 122 123 124 125 126 127 128 129 2AREA001 2AREA002 2AREA002 2AREA002 21 121 121 121 121 121 125 126 127 128 129 129 121 129 121 129 120 121 129 120 120 120 120 120 120 120 120	1Z1				
1212 122 123 124 125 126 127 128 129 24REA001 24REA001 24REA002 24REA003 129 24REA002 221 121 121 121 121 121 121	IZ10				
123 124 125 126 127 128 129 2AREA001 2AREA002 2AREA002 2AREA003 1PA002 121 121 121 121 121 121 121	IZ12 IZ2				
IZ5 Image: Add IZ6 Image: Add IZ7 Image: Add IZ8 Image: Add IZ9 Image: Add 2AREA001 Image: Add PAREA002 Image: Add PA002 Image: Add IZ1 Image: Add IZ10 ✓	Z3 Z4		_		
IZ7 IZ8 IZ9 2AREA001 2AREA002 2AREA002 2PA002 IZ1 IZ1	IZ5 176			🖶 Add	
129 2AREA001 2AREA002 2AREA003 2PA002 2Z1 2Z1	IZ7				
2AREA001 2AREA002 2PAREA003 2PA002 2Z1 2Z1 V	128 129				
2AREA003 2PA002 2Z1 2Z10 2	2AREA001 2AREA002				
ZZ1 ZZ10	2AREA003 2PA002				
	2Z1	~			
	210				



Select 'Digital Input Activation' and choose one of the digital inputs.

Add Alarm		×	
Select Alarm Trigger Source			
Alarm Trigger Source:	Motion Detection \sim		
Search	Motion Detection		
	Digital Input Activation		
 ▼ ■ ENVR2-PLU3 ● ENVR2 ● PA2 1 ● PA2 1 ● PA2 1 ● PA3 1 ● PA3 1 ● PA1 1 ● PA1 2 	POS Transaction Exception POS Transaction Exception System Error External Software Event Face Watch List Match 1-5 PC2324SB-DZK-I0 5-10 IPC3232ER3-DVZ28 ISION iDS-2CD7A46G0/P-IZHSY 1-5 6.0C-H5A-BO1-IR 5-10 Parking SAT	ΉSΥ	
☐ Auto-acknowledge	alarm when motion stops		
	Previous	Next Cancel	

Search	
▼ 🖽 SGSE	
✓ ▲ ENVR HIKVISION iDS-2CD7A46G0/P-IZHSY	
Digital Input 1	
Digital Input 2	
Digital Input 01	
Digital Input 02	
Digital Input 03	
Digital Input 04	
PA2 1-5 HIKVISION	



Then, click 'Next' and select the camera where you want to activate the alarm.

Add Alarm	×
Select Linked Devices	
Select the device(s) to link to this alarm:	
Search	
▼ 🖽 SGSE	
ENVR HIKVISION iDS-2CD7A46G0/P-IZHSY	
PA2 1-5 HIKVISION	
PA2 6-10 PARKING	
PA3 1-5 PC2324SB-DZK-I0	
✓ ♥ PA3 6-10 IPC3232ER3-DV228 = ➡ NI/P1	
HIKVISION IDS-2CD7A46G0/P-IZHSY	
□ ◆ PA1 1-5 6.0C-H5A-BO1-IR	
Pre-Alarm Record Time: 5 🚔 seconds	
Recording Duration: 1 🐳 min 0 🐳 sec	
View linked devices when alarm is triggered	
💠 Previous 🔹 🗘 Car	ncel



Now, add the users who should receive a notification when the alarm is activated.

Select t	ne users that	will be notified wh	en this alarm is tr	iggered:	
Us	er/Group	First Name	Last Name	Wait Tir	ne
Add Re	cipients	Remove Recipients			
	ound when a	larm is triggered	Alarm 1 way		
	o and when a	ann is aiggered.	Addinin 1.vvdv		
			Previous	Next	Cano
			Previous	i Next	Cano
			Previous	i 🖓 Next	Cano
rm			Previous	i 🗇 Next	Cano
rm			Previous	: 🖒 Next	Cano
rm t Alarm Re	cipients		Previous	; 🔊 Next	Cano
rm t Alarm Re elect Users	cipients		Previous	i 🔿 Next	Cano
rm t Alarm Re elect Users Search	cipients		Previous	i 🔊 Next	Can
rm t Alarm Re elect Users Search Select	cipients Use	er/Group	Previous	i 🔿 Next	Can
rm t Alarm Re elect Users Search Select V	cipients Use	er/Group tradores	Previous	i <table-cell> Next</table-cell>	Can
rm t Alarm Re elect Users Search Select	cipients Use Stadminis Stadminis	er/Group tradores tradores de la nı	Previous	i 🔿 Next	Can
rm t Alarm Ree elect Users Search Select	cipients Use Standinis Standinis Standinis Standinis	er/Group tradores tradores de la nı tadores de la nu dores de Nube	Previous	i <table-cell> Next</table-cell>	ne
rm t Alarm Re elect Users Search Select	cipients Use St Adminis St Adminis St Espectar St Usuarios	er/Group tradores tradores de la nu dores de Nube s avanzados	Previous	E Next	ne
rm t Alarm Re elect Users Search Select	cipients Use St Adminis St Adminis St Espectae St Usuario: St Usuario:	er/Group tradores tradores de la ni dores de Nube s avanzados s estándar	Previous	E Next	ne
rm t Alarm Re elect Users Search Select	cipients Use Sea Adminis Sea Adminis Sea Espectar Sea Usuario: Sea Usuario:	er/Group tradores tradores de la nu dores de Nube s avanzados s estándar s restringidos	Previous	E Next	ne
rm t Alarm Re elect Users Search Select	cipients Use St Adminis St Adminis St Espectad St Usuario: St Usua	er/Group tradores tradores de la nu dores de Nube s avanzados s estándar s restringidos trator	Previous	E Next	ne
m Alarm Re lect Users Search Select	cipients Use Sea Adminis Sea Adminis Sea Espectad Sea Usuario: Sea Usu	er/Group tradores tradores de la nu dores de Nube s avanzados s estándar s restringidos trator tion	Previous	E Next	ne



In this step, simply click 'Next.'

Search		
- RE SGSE		
· Em ocor		<u></u>
	R HIKVISION IDS-2CD7A46G0	



Finally, assign a name to the alarm and click 'Finish.'

Add Alarm	×
Select Alarm Properties	
Name:	New Alarm
Priority:	1 ~
Schedule	Ahways
Schedule.	Enable alarm
	Previous Sinish Cancel



4. Create Analytical events in ACC

Go to Setup.

Search		
	Lan Out	
url 00	Log Out	IAL
% 4.(Setup	1)
IN1	New Map	
URL SP(New Web Page	
URL SP(Expand All	
URL SP(Collapse All	
Visu	aı	
Virt	ual Intrusion Mo	nitor

Next, select a camera and click on 'Analytical Events.'





Analytics Events:		3Z10E
	Event is enabled	
3Z10E	Object Types:	Person, Vehicle
3Z11E	Activity:	Objects in area
3Z6E	Threshold Time	00.00.02
3Z7E		0.00.02
3Z8E	Sensitivity:	8
3Z9E	Number of Objects:	1
Dir prohibida	Timeout	00:05:00
eventos 1		
eventos 2		
	22-10/2011-101-10-2011	

Then, assign a name to the analytical event and select the zone where you want to configure the event.



Add/Tdift Analytics Events		0 X
IIIII II 🖉 🔍 🖉 🔅	Name:	Analytic event name
		Enabled
	Activity:	Objects in area 🔹
09/10/909/ 04-17-38 PM	Object Types:	Person, Vehicle v
	Sensitivity:	1 10
	Number of Objects:	1 🛊
	Threshold Time:	2 🜲
	Timeout	Seconds
	Distance (meters):	Hours Minutes
· · · · · · · · · · · · · · · · · · ·		
And the second s		
	I	OK Cancel

Next, select the activity and specify whether you want it to be a vehicle or a person.

Name:	Analytic event name	•
	Enabled	
Activity:	Objects in area	•
Object Types:	Objects in area	
Constitutes	Object loitering	
sensitivity.	Objects crossing beam	
Number of Objects:	Object appears or enters area	
	Object not present in area	4
Threshold Time:	Objects enter area	
	Objects leave area	
Timeout:	Hours Minutes	V

Distance (meters):



Name:	Analytic event name	•
	Enabled	
Activity:	Objects in area	•
Object Types:	Person, Vehicle	•
Sensitivity:	Vehicle	10
Number of Objects:		
Threshold Time:	2 Seconds	
Timeout:	0 🔹 5 🔹 Hours Minutes	
Distance (meters):		

Finally, click 'OK' and the analytical event will be created.

5. Configuring ACC Servers

The ACC servers whose video analysis events you wish to monitor must be registered on the configuration page:

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

- By clicking the "+" button located in the upper-right corner of the table, a new entry will be created. Next, the following fields must be filled in with the ACC server information:
- IP or domain.
- Port.
- User.
- Password.

SGSE	Start	Servers	Maps	License					
								+	
				IP or domain	Puerto	User	Password		
				192.168.2.32	8443	administrator	@cc@cc-123		



6. System Elements Configuration

The zones (the video analysis events of the ACC server's cameras) will be registered automatically, appearing in the integration, and will be displayed on the page <u>https://sgse-virtual-monitor.eu:7348</u> in the left column, whose header is titled "Zones."

For more details about existing or upcoming analytical events, please carefully read the ACC 7 system manual from Avigilon (avigilon-acc7-client-es.pdf). In this manual, you will find the activities performed by the events along with their descriptions.

The panels and areas must be created by the user in the left-hand tree, and will be organized hierarchically. You can drag and drop zones onto areas to associate them. Similarly, areas can be dragged between panels.

:	Zones						Pane	ls				
				Q	Buscar				4	ł	Q Buscar	
		Name \Xi	Type of activity \equiv		Description =			Туре ╤	≂ Custom	ID	Name \Xi	
		Q	(Todos)	•	Q			(Todos) 👻 🤇	2		Q	
	H	Test	Objects in the area				8	✓ Panel		1	Panel Perimetro	+ 🗷 🖬
	H	OCCUPY OUT	Exit occupation area				8	✓ Área		1	Área 1	× •
	H	AREA2PEATONALOUT	Exit occupation area				8	Zona		1	ZONA1	× •
	H	OCCUPY IN	Enter occupation are	1			8	Zona		0	Cruce de linea	× •
	H	say forbidden	Address violated			T	8	Zona		0	Puerta	× •
		3Z1E	Objects in the area					Zona		0	Intrusion	1



Registering a Panel

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

Panels

		+ Q Buscar	
	Туре =	= Custom ID Name $=$	
	(Todos) 🔻 Q	Q	
H	> Panel	1 Panel Perimetro	+ 🖍 🛢
H	> Panel	3 1PA001	+ 🖊 🛢
H	> Panel	4 2PA002	+ 🖍 🛢
H	> Panel	5 3PA003	+ 🖊 🛢

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



Item details

Туре		
Panel		
Custom ID 0		
Name *		
Description		
	KFEP	CANCEL
		0,11022

Second, you can specify the number of seconds it will take to arm the delayed arming option and associate an alarm.



The "Associated Alarm" field includes 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 by acknowledging the alarm in the element, the alarm will also be acknowledged in ACC.

Armed seconds delayed	
0	* •
Associated alarm	
Q Buscar	
1Z7	
ZONA 2 (1002)	
3AREA003	



Registering an area

To create a new area, navigate to the panel where you wish to create it and click on the "+" button.

Panels

		+	Q Buscar
	Туре ╤	≂ Custom ID	Name =
	(Tod 🔻 Q		Q
H	> Panel	1	Perimeter Panel 🛛 🕂 🌶 🥫
H	> Panel	3	1PA001 + 🖍 📋

Just like the panel, the area configuration includes name, description...

Item details

Туре		
Área		
Custom ID		
0		
Name *		
Description		
	KEEP	CANCEL



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

Armed seconds delayed	
0	
	•
Associated alarm	
Q Buscar	
2Z5	
3Z7	



Registering a Zone

Todas las zonas disponibles aparecerán listadas en el panel derecho: Zones will be automatically imported when a new ACC server is registered in the server configuration at: <u>https://sgse-virtual-monitor.eu:7348/AvigilonServers</u>

Zones

			Q Buscar
	Name \Xi	Type of activity $=$	Description =
	Q	(Todos)	▼ Q
H	Test	Objects in the area	ī
H	OCCUPY OUT	Exit occupation area	i
H	AREA2PEATONALOUT	Exit occupation area	•
H	OCCUPY IN	Enter occupation area	a
H	say forbidden	Address violated	•
H	3Z1E	Objects in the area	=

All available zones will appear listed on the right-hand panel.

Zones can be associated with a panel's area. To do this, drag the zone you wish to associate from the left list ("Zones" box) to the tree on the right ("Panels" box), dropping it onto the corresponding area.

Zone	S				I	Panel	5		
			Q Buscar				+	Q Buscar	
	Name =	Type of activity $=$	Description $=$				Type ╤	Name =	
	Q	(Todos)	~ Q				(Todos) 🝷 🔍	Q	
	Test	Objects in the area		•			✓ Panel 1	Panel Perimetro +	(a)
:	OCCUPY OUT	Exit occupation area							_
::	OCCUPY IN	Enter occupation area		Î.		H		Enter occupation area	1 I I
:	say forbidden	Address violated		•	1				-
	3Z1E	Objects in the area				H	> Panel 4	2PA002 +	(a
	1Z11E	Objects in the area				:	> Panel 5	3PA003 +	



Just like panels and areas, zones include "Name" and "Description" fields...

Item details		
Туре		
Zona		
Custom ID		
1		
Name *		
ZONA1		
Description		
beenpater		
	KEEP	CANCEL

Additionally, it includes the following options:

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

Arm in partial assembly	
Associated alarm	
1AREA001	*
Custom Type	
Seleccionar	*

KEEP CANCEL



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

ivit	Car enters the area	+ 2	D
	Person enters the area	<u>+</u>	
	Car or person enters the area	← 📩	
	Car wanders around the area	C).	
	Person wanders around the area	×	
	Car or person wanders around the area		
l	Car crosses the line	8 8 . 8 8 .	J
	Seleccionar	*	



Event Display

Events received from the ACC server will be displayed at the bottom of the screen, and it will be possible to sort and filter them by any of their fields (name, type, activity, date/time, and server).

Events

				Q Buscar
Name -	Type -	Activity =	Date =	Server =
Q	Q	Q	۹. 🖬	Q
ZONA3	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:06.002	NVR1
1Z7E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:06.002	NVR1
AREA2PEATONALOUT	DEVICE_ANALYTICS_START	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:19.002	NVR1
OCCUPY IN	DEVICE_ANALYTICS_START	OBJECT_COUNTING_ENTER	13/08/2024, 13:50:22.002	NVR1
OCCUPY OUT	DEVICE_ANALYTICS_START	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:23.002	NVR1
1Z9E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:26.002	NVR1
1Z9E	DEVICE_ANALYTICS_STOP	OBJECT_PRESENT	13/08/2024, 13:50:27.002	NVR1
1Z9E	DEVICE_ANALYTICS_START	OBJECT_PRESENT	13/08/2024, 13:50:29.002	NVR1
AREA2PEATONALOUT	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:33.002	NVR1
1Z9E	DEVICE_ANALYTICS_STOP	OBJECT_PRESENT	13/08/2024, 13:50:33.002	NVR1
OCCUPY IN	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_ENTER	13/08/2024, 13:50:33.002	NVR1
OCCUPY OUT	DEVICE_ANALYTICS_STOP	OBJECT_COUNTING_EXIT	13/08/2024, 13:50:33.002	NVR1
Line cross	DEVICE_ANALYTICS_START	OBJECT_CROSSES_BEAM	13/08/2024, 13:50:42.002	NVR1



7. Map Layout

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

To do this, click "Edit" at the top right.



Next, the **'Tools'** menu will appear, where the icons will be organized into zones, areas, or panels. Simply open each menu and drag the icons you want onto the map.





For example, if we want to display an area, click on "VArea."



We'll open the areas menu and then simply drag the available area onto the map. In this case, I dragged "Area 2."



Items that are already gray are those that have already been placed on the map.



Adding a Map

To add a map, go to the menu located all the way to the left and click on the three horizontal bars to open it.



Next, a menu will open on the far left. To add a new map, click on 'Add Map.'

≡Admin	Logout	∃ Home < >		
Naviga CONTROL	ation tree [+]			
ANABEL SEGU Pueblo Add map	JRA			
Map Name	properties		Tools VZone	
CONTROL			VPanel	
New map			VArea Hot zone	1AREA0
Background image Elegir archivos	e Ningún accionado		Label	
	-			1Z1E



≡Admin <u>Logou</u>	ut = Home < >	
Navigation tree [+]	1	
CONTROL		
ANABEL SEGURA		
New map		
Pueblo		
Add map		
Map properties		
Map properties	-	
New man		
New map		
Description		
New map		
Background image		
Elegir archivos Ningún accionado		

Once created, to add an image, click on "Edit" at the top right.



In this section, you can change the name and description. Finally, by clicking on 'Choose Files,' you can select the image you wish to place on the map.

Map properties					
Name					
New map					
Description					
New map					
Background image					
Elegir archivos	Ningún accionado				



File name:	vista-plaza-principal.jpg ~	Todos los archivo	os (*.*) ~
		Open	Cancel

Selecciona la imagen y haz clic en 'Open'. Por último, para que la imagen se cargue en el plano, haz clic en '**Save'**, que aparecerá en el lugar donde antes estaba el botón **'Edit'**.

	Saved	Remove	Discard	Save





Commands

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

The panels have the following commands:

- Arms
- Partial Assembly
- Timed Arming
- Disarm
- Forced Armed



Each area has the following commands:

- Forced Armed
- Partial Assembly
- Disarm
- Timed Arming
- Arms



Each zone has the following commands:

- Inhibit
- Isolate
- Reintegrate



Lastly, if we have an **alarmed zone/area/panel**, we will also be able to acknowledge the alarms.





Iconography

Panel

Status	lcon
Normal	4
Alarm	
Armed	-
Partially Armed	4
Waiting for Delayed Arming	
Malfunctions	
Unknown	

Area

Status	lcon
Normal	
Alarm	
Armed	
Force set	
Partially Armed	
Waiting for Delayed Arming	
Malfunctions	
Unknown	



Zone

Status	lcon
Normal	
Alarm	
Active	
Armed	
Inhibit	
Isolated	
Malfunctions	
Unknown	



Zone Type

Туре	lcon
Car enters the zone	+ 🚘
Person enters the zone	★ 大
Car or person enters the zone	₹ ≜
Person loiters in the zone	2
Car loiters in the zone	8
Car or person loiters in the zone	× C
Car crosses the line	2
Person crosses the line	* e * *
Car or person crosses the line	<u>.</u>
Car appears in the zone	
Person appears in the zone	<u>x</u> •
Car or person appears in the zone	
Missing person	×٥
Missing car	©
Missing car or person	\$ 0
Car enters the area of interest	
Person enters the area of interest	* <u>*</u> -
Car or person enters the area of interest	同大 大画
Car exits the area of interest	
Person exits the area of interest	<u>k</u>
Car or person exits the area of interest	<u>i</u>
Car stops in the zone	
Person stops in the zone	
Car or person stops in the zone	
Car going in the wrong direction	**0
Person going in the wrong direction	* + ⊖



Car or person going in the wrong direction	* ••
Intelligent movement	Ŷ
Tampering	
Crowd size	*
Unusual crowd growth	<u> </u>
Unusual crowd size	- 19 C

More Information

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