

## ► Oggetto

La seguente guida illustra come i dispositivi LILIN (IPCAM, DB052E, NAV, ecc...) possono allarmare una zona virtuale di Ksenia tramite stringhe tcp/ip via rete LAN.

Esempio:

- quando l'intelligenza artificiale a bordo telecamera rileva un movimento avvisa la centrale Ksenia
- quando una telecamera lettura targhe rileva una targa in Black list avvisa Ksenia
- quando un server NAV genera un allarme avvisa la centrale Ksenia
- quando il modulo DB052E rileva un'azione (conteggio, timer, AND, ecc..) avvisa la centrale Ksenia

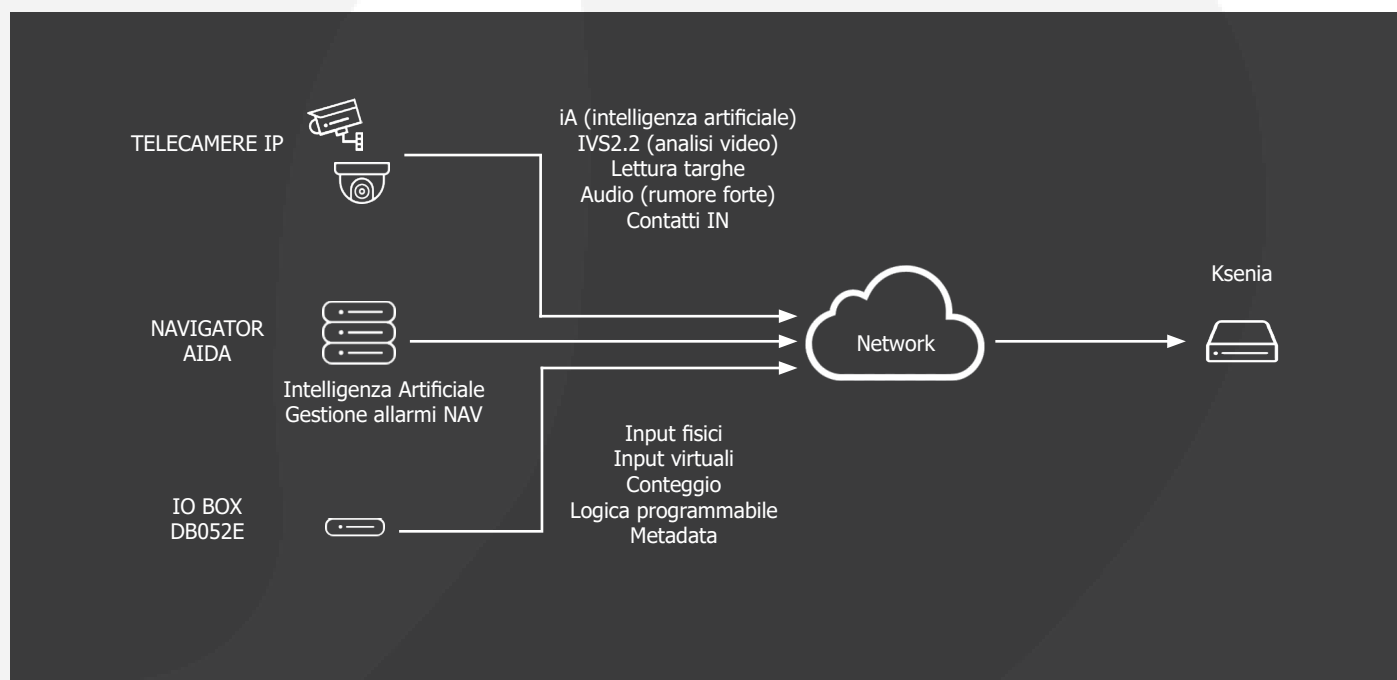
## ► Firmware

Telecamere IP	P2, Z2
Telecamere IP	E5, P5, Z5
Telecamere IP iA	P6, Z6, Z7, S7, V1
Modulo IO Box	DB052E
Navigator Software	5.0

## ► Glossario

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## ► Schema



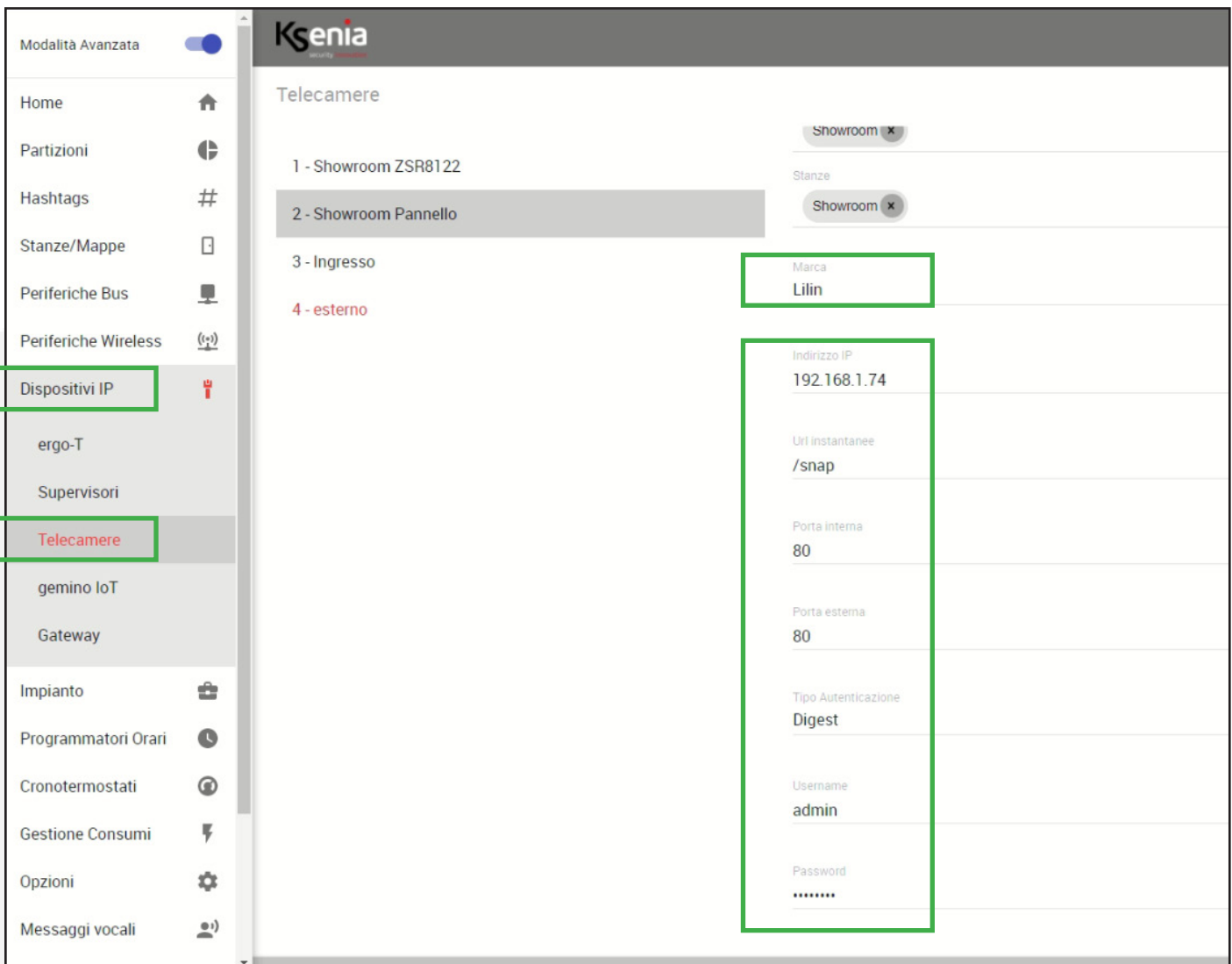
## ► Acquisire le telecamere LILIN in Ksenia

Accedere alla centrale Ksenia **Dispositivi IP / Telecamere** ed aggiungere una nuova telecamera, selezionare dalla lista **LILIN** e inserire l'**indirizzo IP della telecamera**.

Selezionare il **Tipo Autenticazione; Digest** ed inserire **nome utente e password della telecamera**.

Inserire la **Partizione** e la **Stanza** di riferimento della nuova telecamera.

Cliccare **Salva** per confermare le modifiche.

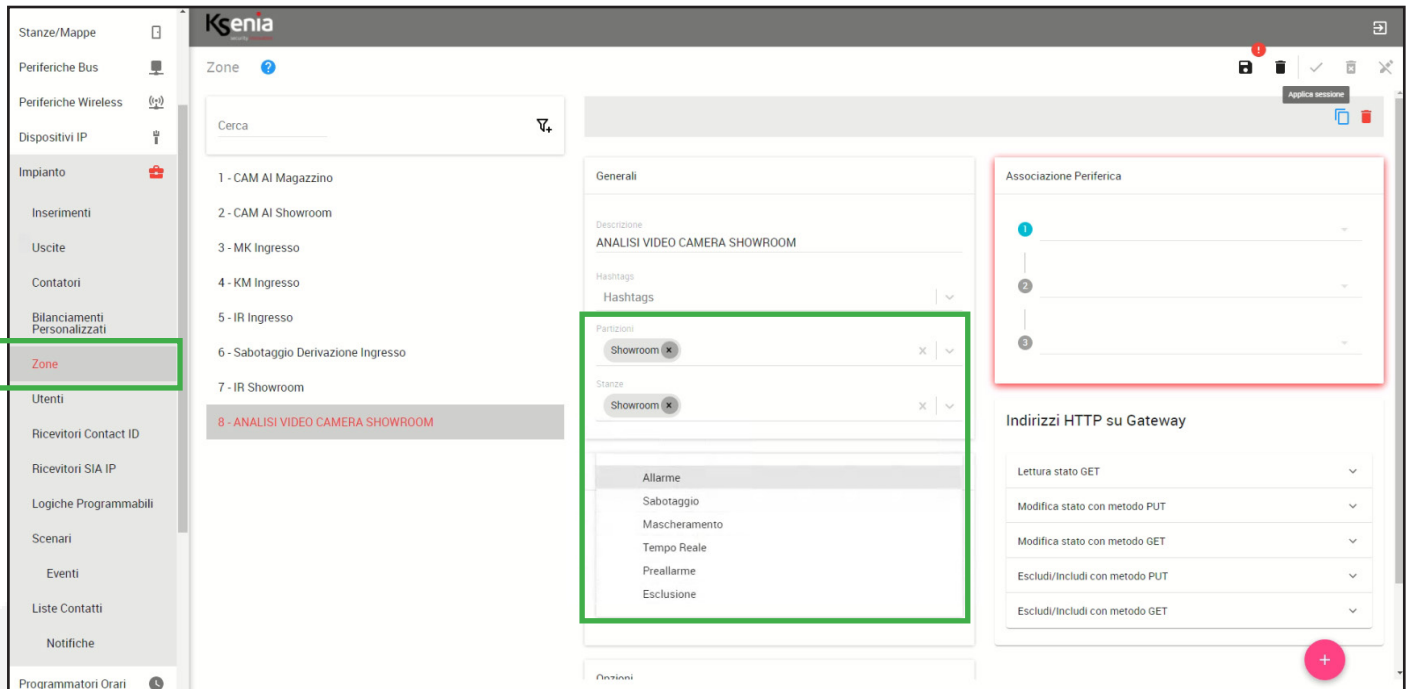


The screenshot displays the Ksenia web interface for configuring a camera. On the left is a navigation menu with 'Dispositivi IP' and 'Telecamere' highlighted in green. The main area shows a list of rooms: '1 - Showroom ZSR81 22', '2 - Showroom Pannello', '3 - Ingresso', and '4 - esterno'. The '2 - Showroom Pannello' room is selected. To the right, the camera configuration details are shown, with several fields highlighted in green: 'Marca Lilin', 'Indirizzo IP 192.168.1.74', 'URI istantanee /snap', 'Porta interna 80', 'Porta esterna 80', 'Tipo Autenticazione Digest', 'Username admin', and 'Password' (masked with dots).

Ora la telecamera LILIN è acquisita nella centrale Ksenia.

## ► Aggiungere una Zona IP nella centrale Ksenia

Accedere alla centrale Ksenia **Zone / Aggiungi Zona** ed inserire il **Nome, Partizione, Stanza** e la tipologia di **Trigger Telecamera**.

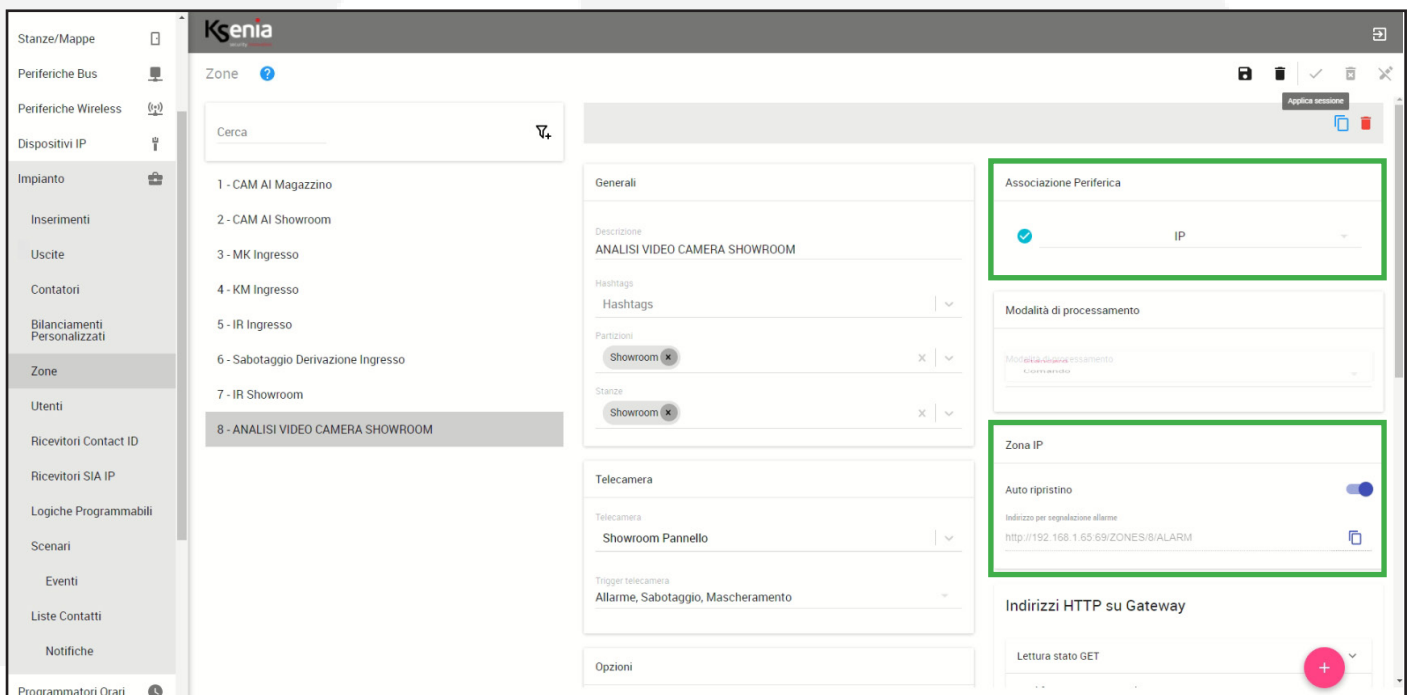


Selezionare in **Associazione Periferica** la tipologia **IP**.

Alla voce **Zona IP**, Ksenia fornisce le informazioni da inserire nella telecamera IP, DB052, NAV, ecc....

Esempio:

<http://192.168.1.65:69/ZONES/8/ALARM>



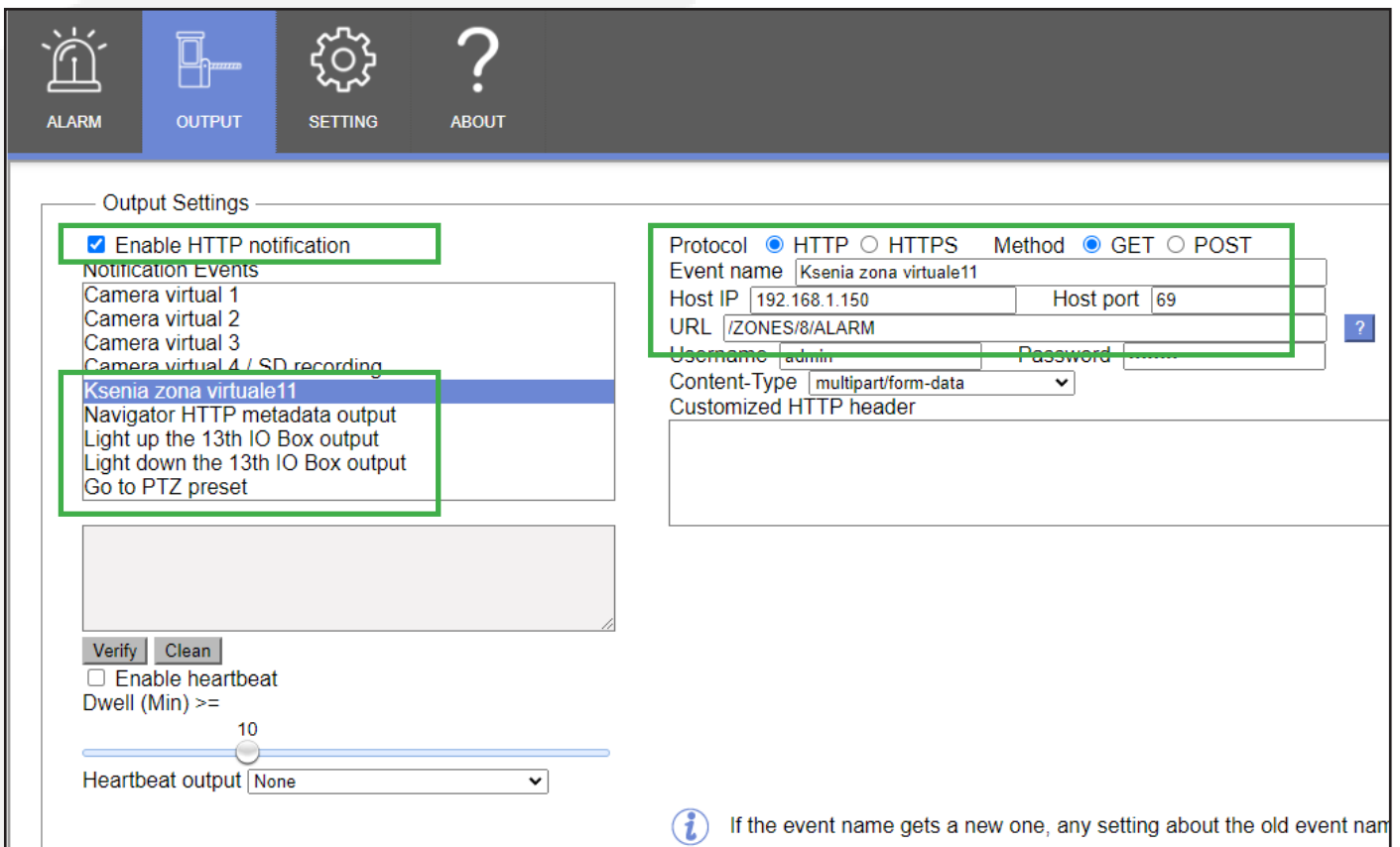
## ► Procedura telecamere IP serie P6, Z6, Z7, S7, V1 (intelligenza artificiale)

Accedere alla telecamera e cliccare l'icona dell'IA caricata a bordo telecamera.



Accedere alla menù **Output / Attivare HTTP notification**, selezionare **un evento** (i primi 4 sono riservati) ed **inserire i dati forniti** dalla centrale Ksenia in programmazione:

- Event name: inserire un nome per facilitarne il riconoscimento
- Host IP: indirizzi IP della centrale Ksenia
- Host port: 69
- URL: inserire la stringa della zona virtuale esempio: /ZONES/8/ALARM
- Username e Password: potete non inserire



Cliccare Apply per confermare le modifiche.

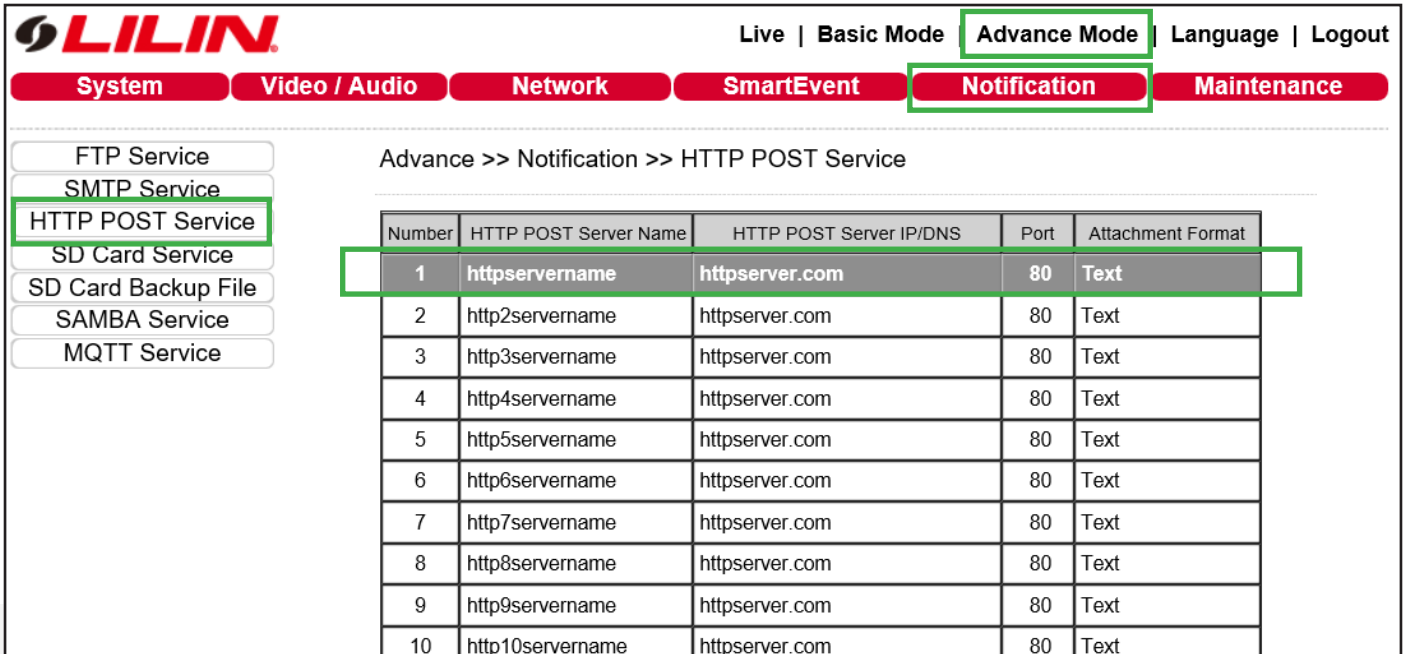
Cliccando il tasto **Verify** è possibile provare le informazioni inserite e inviarle alla centrale Ksenia.

Accedere al menù **Alarm**, configurare l'area di analisi (per maggiori informazioni consultare il manuale dedicato all'iA link) e selezionare come **Output** la **stringa di Ksenia** precedentemente inserita e verificata.

Cliccare **Apply** per confermare le modifiche.

## ► Procedura telecamere IP serie P2 e Z2 (IVS2.2)

Accedere al **SETUP / Advance Mode / Notification / HTTP post service** e selezionare uno degli eventi http liberi.



Live | Basic Mode | **Advance Mode** | Language | Logout

System | Video / Audio | Network | SmartEvent | **Notification** | Maintenance

FTP Service  
SMTP Service  
**HTTP POST Service**  
SD Card Service  
SD Card Backup File  
SAMBA Service  
MQTT Service

Advance >> Notification >> HTTP POST Service

Number	HTTP POST Server Name	HTTP POST Server IP/DNS	Port	Attachment Format
1	httpservername	httpserver.com	80	Text
2	http2servername	httpserver.com	80	Text
3	http3servername	httpserver.com	80	Text
4	http4servername	httpserver.com	80	Text
5	http5servername	httpserver.com	80	Text
6	http6servername	httpserver.com	80	Text
7	http7servername	httpserver.com	80	Text
8	http8servername	httpserver.com	80	Text
9	http9servername	httpserver.com	80	Text
10	http10servername	httpserver.com	80	Text

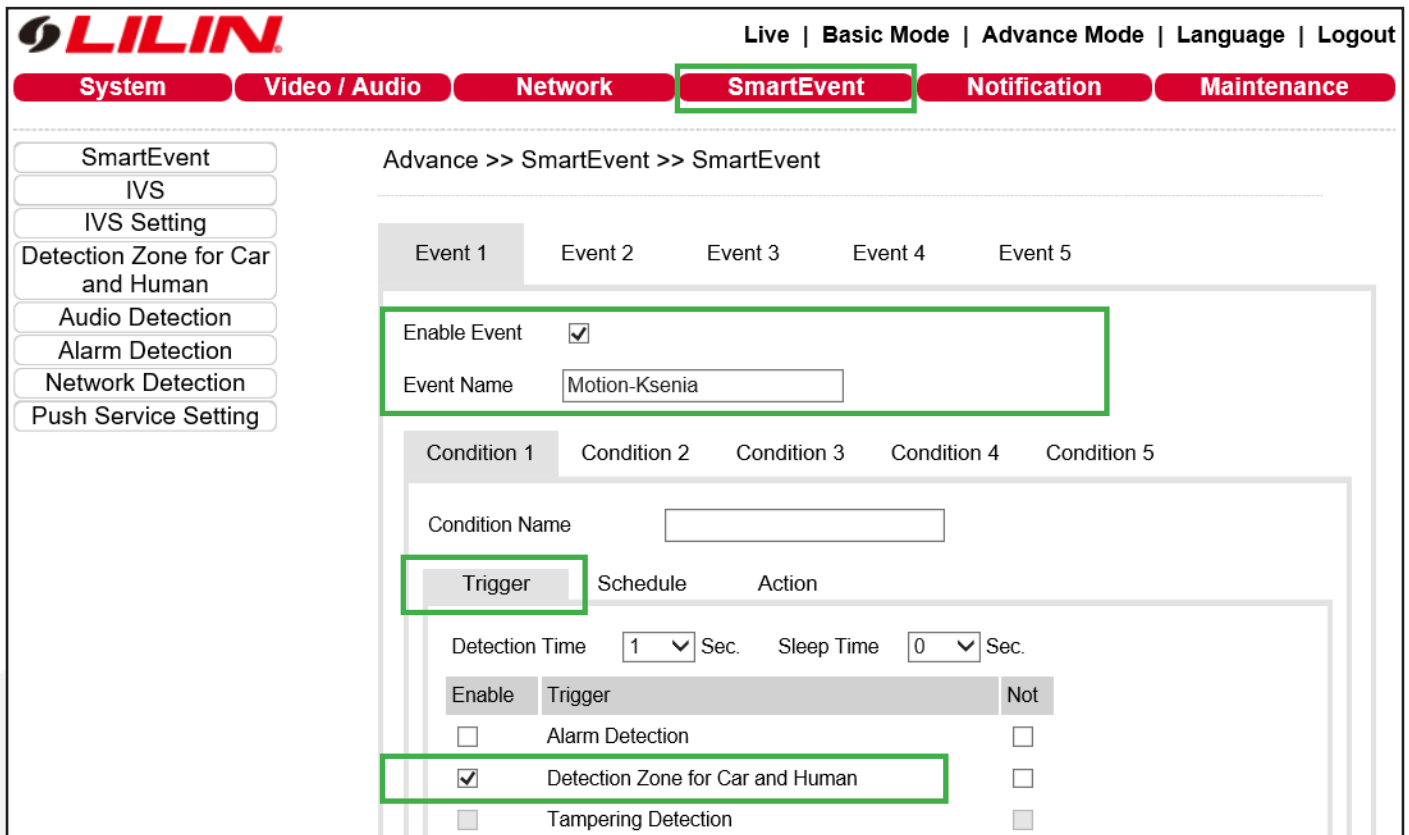
Inserire i dati forniti dalla centrale Ksenia nei campi richiesti:

Server name           Inserire un nome per facilitarne il riconoscimento  
 Server IP/DNS        Indirizzo IP della centrale Ksenia  
 Server Port           69  
 Account e Password   non necessari  
 HTTP Post URL        inserire la stringa della zona virtuale fornita da Ksenia  
 Attached Format       TEXT

HTTP POST Server Name	<input type="text" value="Ksenia Allarme"/>
HTTP POST Server IP/DNS	<input type="text" value="192.168.1.65"/>
HTTP POST Server Port	<input type="text" value="69"/>
Account	<input type="text" value="admin"/>
Password	<input type="password" value="••••"/>
HTTP POST URL	<input type="text" value="/ZONES/8/ALARM"/>
Attachment Format	<input type="radio"/> JPEG <input checked="" type="radio"/> Text
HTTP POST JSON	<div style="border: 1px solid gray; height: 40px; width: 100%;"></div>

Accedere al menù **SmartEvent**, selezionare **Event 1**.

Inserire il **nome dell'evento** e selezionare il tipo di allarme da gestire, **Detection Zones for Car and Human**.



Live | Basic Mode | Advance Mode | Language | Logout

System | Video / Audio | Network | **SmartEvent** | Notification | Maintenance

SmartEvent  
IVS  
IVS Setting  
Detection Zone for Car and Human  
Audio Detection  
Alarm Detection  
Network Detection  
Push Service Setting

Advance >> SmartEvent >> SmartEvent

Event 1 | Event 2 | Event 3 | Event 4 | Event 5

Enable Event

Event Name

Condition 1 | Condition 2 | Condition 3 | Condition 4 | Condition 5

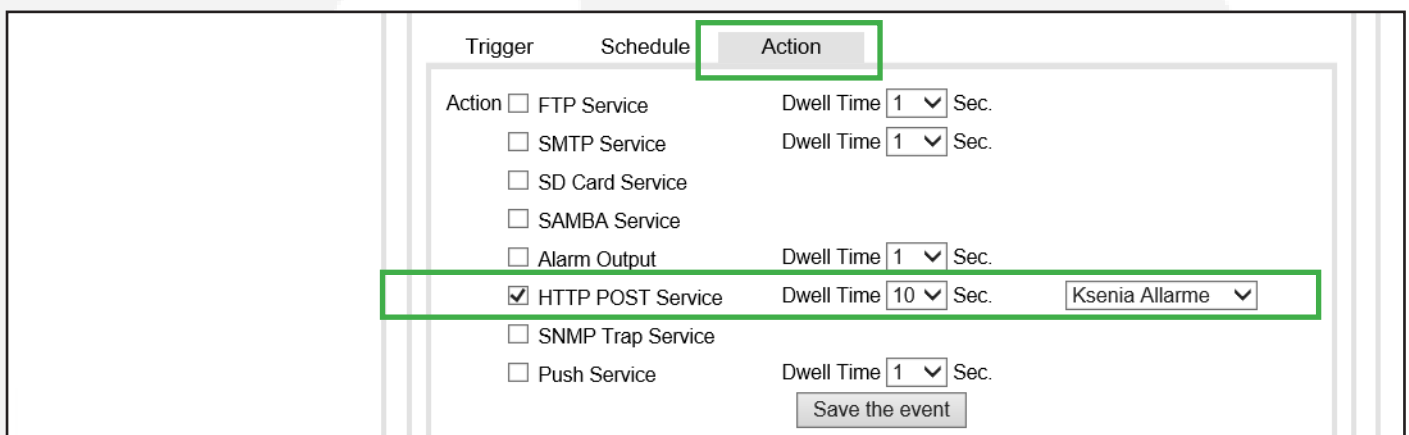
Condition Name

Trigger | Schedule | Action

Detection Time  Sec. Sleep Time  Sec.

Enable	Trigger	Not
<input type="checkbox"/>	Alarm Detection	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Detection Zone for Car and Human	<input type="checkbox"/>
<input type="checkbox"/>	Tampering Detection	<input type="checkbox"/>

Accedere al sottomenù **Action**, attivare la voce **HTTP Post Service** e selezionare l'**evento HTTP** precedentemente creato.



Trigger | Schedule | **Action**

Action  FTP Service Dwell Time  Sec.

SMTP Service Dwell Time  Sec.

SD Card Service

SAMBA Service

Alarm Output Dwell Time  Sec.

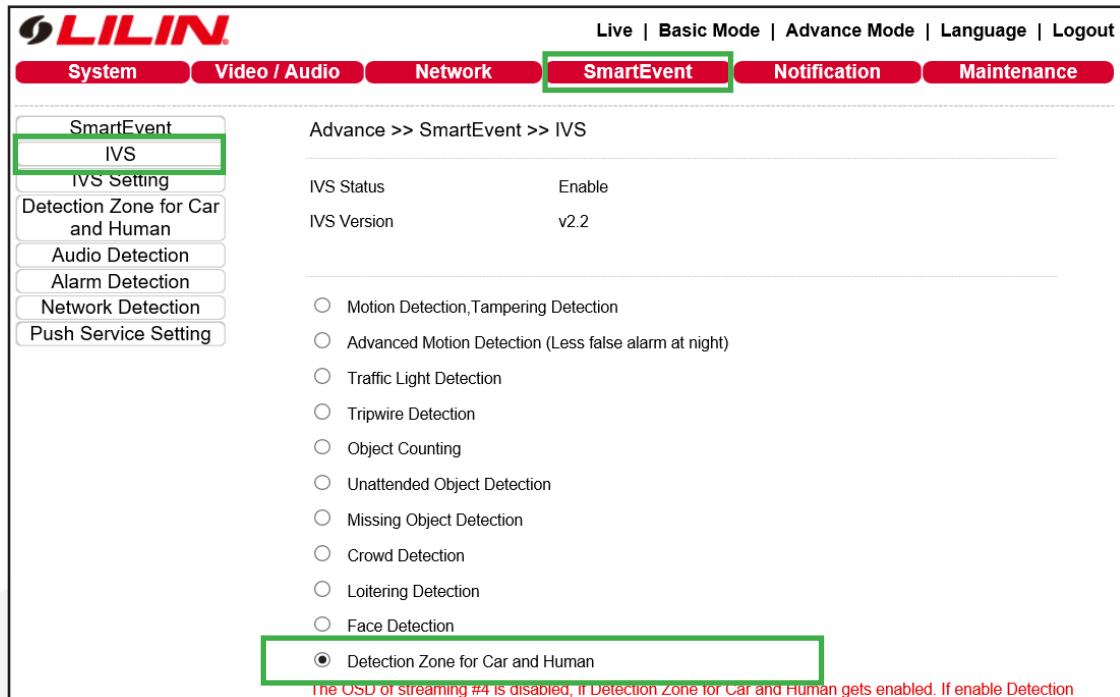
HTTP POST Service Dwell Time  Sec.

SNMP Trap Service

Push Service Dwell Time  Sec.

Save the event

Configurare in breve l'analisi video, accedere al menù **IVS** e selezionare **Detection Zone for Car and Human**, la telecamera si riavvia per caricare l'algoritmo corretto.



**LILIN** Live | Basic Mode | Advance Mode | Language | Logout

System | Video / Audio | Network | **SmartEvent** | Notification | Maintenance

SmartEvent  
**IVS**  
 IVS Setting  
 Detection Zone for Car and Human  
 Audio Detection  
 Alarm Detection  
 Network Detection  
 Push Service Setting

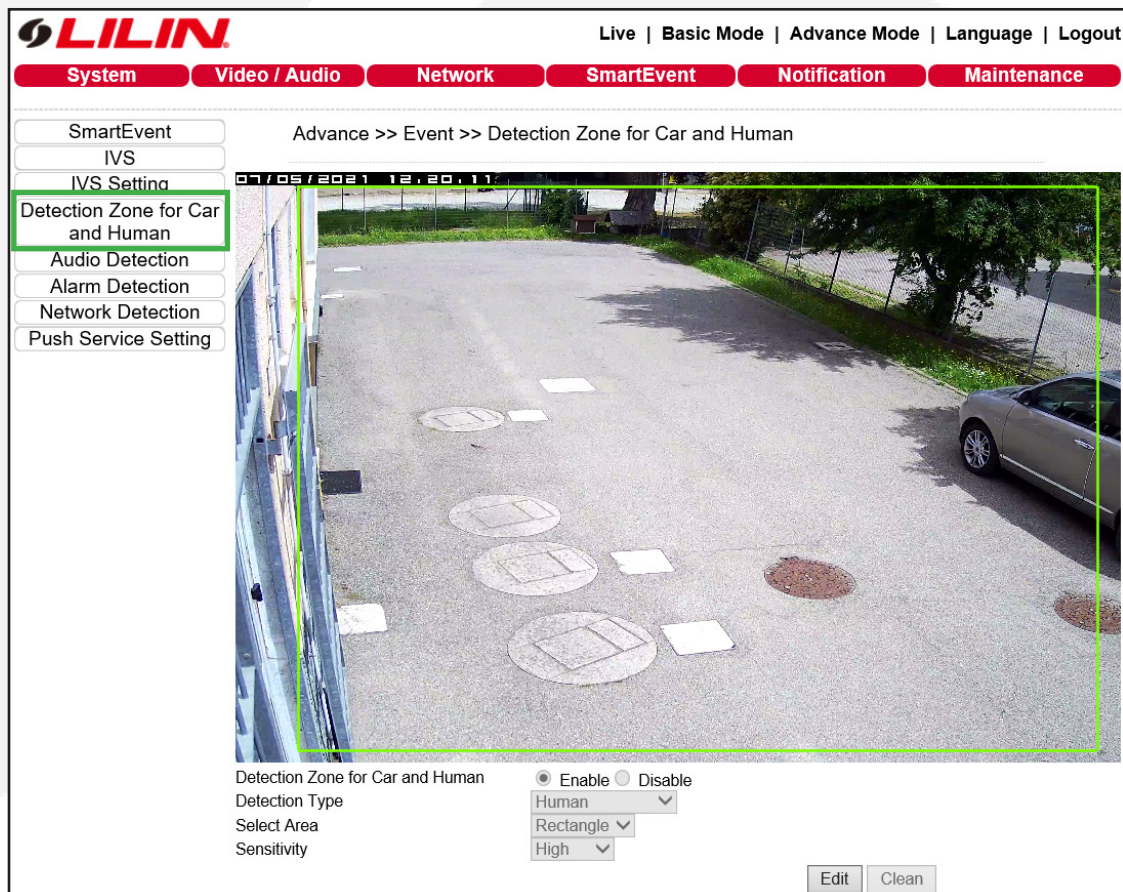
Advance >> SmartEvent >> IVS

IVS Status Enable  
 IVS Version v2.2

Motion Detection, Tampering Detection  
 Advanced Motion Detection (Less false alarm at night)  
 Traffic Light Detection  
 Tripwire Detection  
 Object Counting  
 Unattended Object Detection  
 Missing Object Detection  
 Crowd Detection  
 Loitering Detection  
 Face Detection  
 **Detection Zone for Car and Human**

The OSD of streaming #4 is disabled, if Detection Zone for Car and Human gets enabled. If enable Detection

Accedere al sottomenù **Detection Zone for Car and Human** e cliccare **Edit** per selezionare l'area di analisi (linee o aree).



**LILIN** Live | Basic Mode | Advance Mode | Language | Logout

System | Video / Audio | Network | **SmartEvent** | Notification | Maintenance

SmartEvent  
 IVS  
 IVS Setting  
**Detection Zone for Car and Human**  
 Audio Detection  
 Alarm Detection  
 Network Detection  
 Push Service Setting

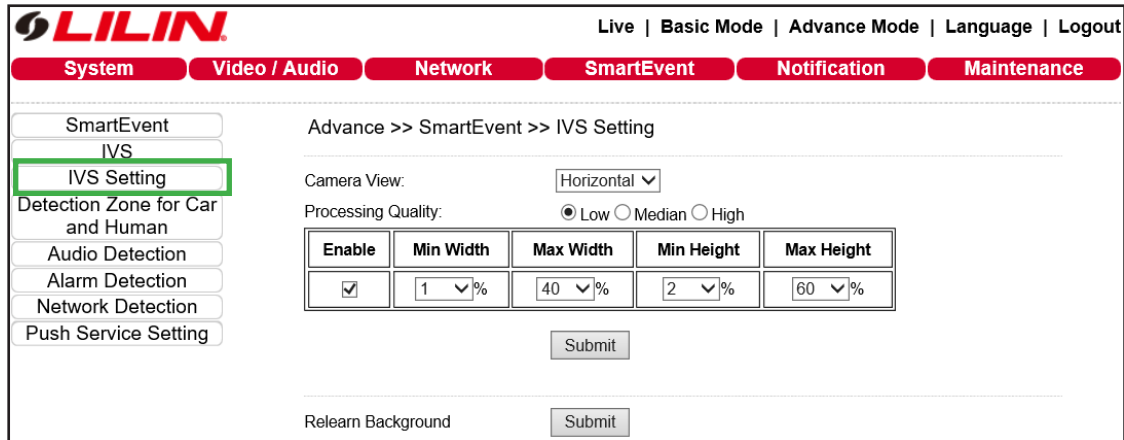
Advance >> Event >> Detection Zone for Car and Human

07/05/2021 12:20:11

Detection Zone for Car and Human  
 Enable  Disable  
 Detection Type Human  
 Select Area Rectangle  
 Sensitivity High

Edit Clean

Accedere al sottomenù **IVS Setting** e indicare la dimensione minima e massima degli oggetti da rilevare.



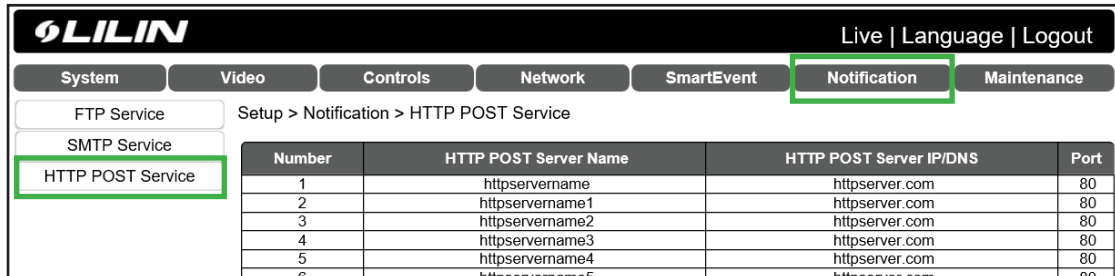
The screenshot shows the LILIN web interface. At the top, there are navigation links: **Live** | **Basic Mode** | **Advance Mode** | **Language** | **Logout**. Below these are tabs for **System**, **Video / Audio**, **Network**, **SmartEvent**, **Notification**, and **Maintenance**. The **SmartEvent** tab is active, and the **IVS Setting** sub-menu item is highlighted with a green box. The main content area is titled "Advance >> SmartEvent >> IVS Setting". It includes a "Camera View" dropdown set to "Horizontal" and "Processing Quality" radio buttons for "Low" (selected), "Median", and "High". A table defines the detection parameters:

Enable	Min Width	Max Width	Min Height	Max Height
<input checked="" type="checkbox"/>	1 %	40 %	2 %	60 %

Below the table is a "Submit" button. At the bottom of the page, there is a "Relearn Background" button with another "Submit" button next to it.

## ► Procedura telecamere IP serie E5, P5, Z5 (Motion)

Accedere al **SETUP / Notification / HTTP Post Service** e selezionare uno degli eventi http liberi.

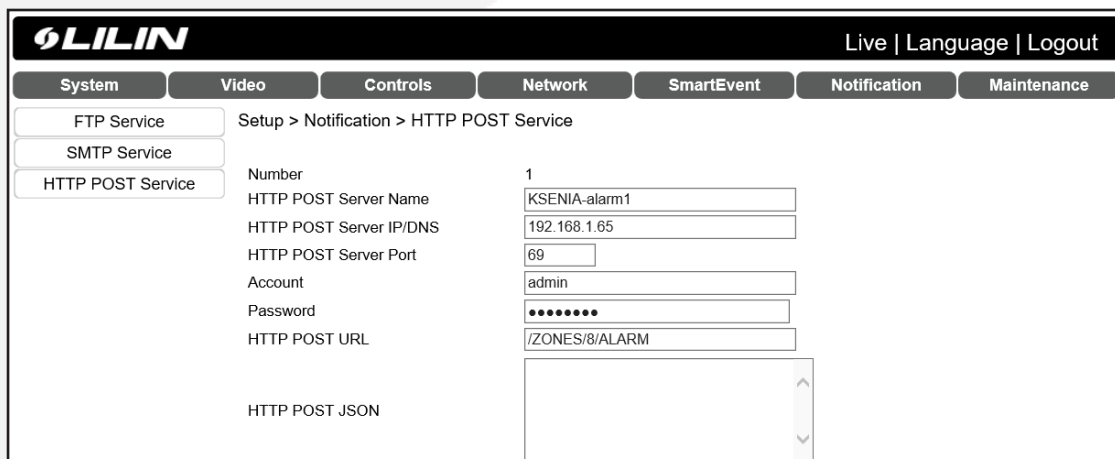


Setup > Notification > HTTP POST Service

Number	HTTP POST Server Name	HTTP POST Server IP/DNS	Port
1	httpservername	httpserver.com	80
2	httpservername1	httpserver.com	80
3	httpservername2	httpserver.com	80
4	httpservername3	httpserver.com	80
5	httpservername4	httpserver.com	80
6	httpservername5	httpserver.com	80

Inserire i dati forniti dalla centrale Ksenia nei campi richiesti:

Server name	Inserire un nome per facilitarne il riconoscimento
Server IP/DNS	Indirizzo IP della centrale Ksenia
Server Port	69
Account e Password	non necessari
HTTP Post URL	inserire la stringa della zona virtuale fornita da Ksenia
Post Json	cancellare il contenuto



Setup > Notification > HTTP POST Service

Number: 1

HTTP POST Server Name: KSENIA-alarm1

HTTP POST Server IP/DNS: 192.168.1.65

HTTP POST Server Port: 69

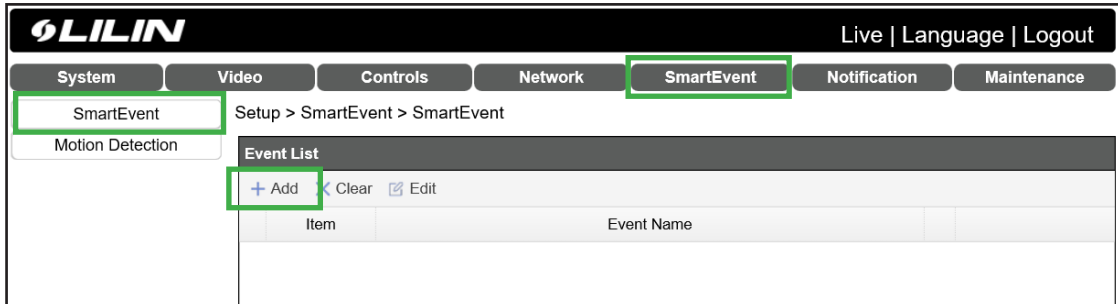
Account: admin

Password: ●●●●●●

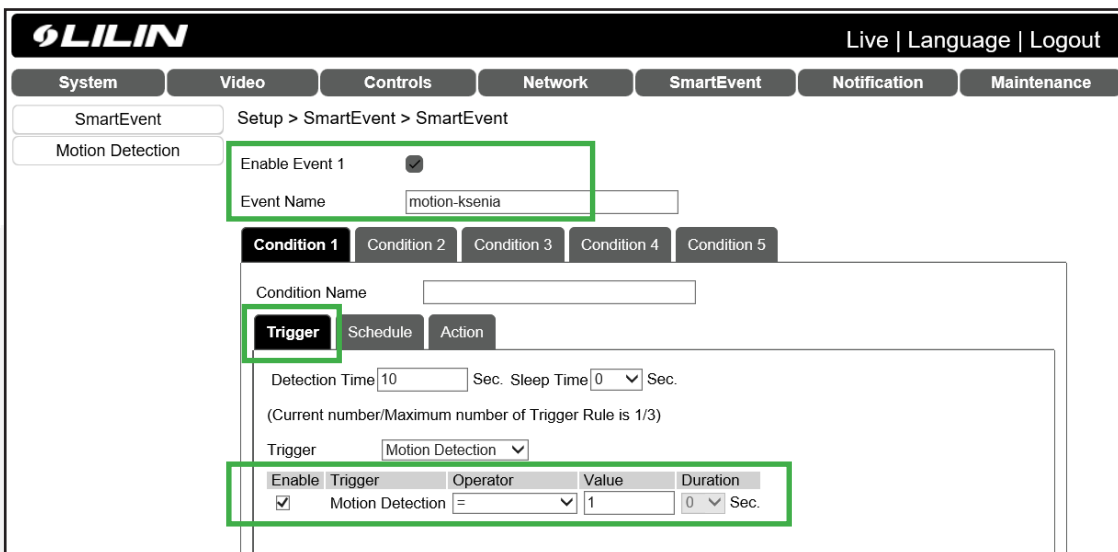
HTTP POST URL: /ZONES/8/ALARM

HTTP POST JSON: [Empty text area]

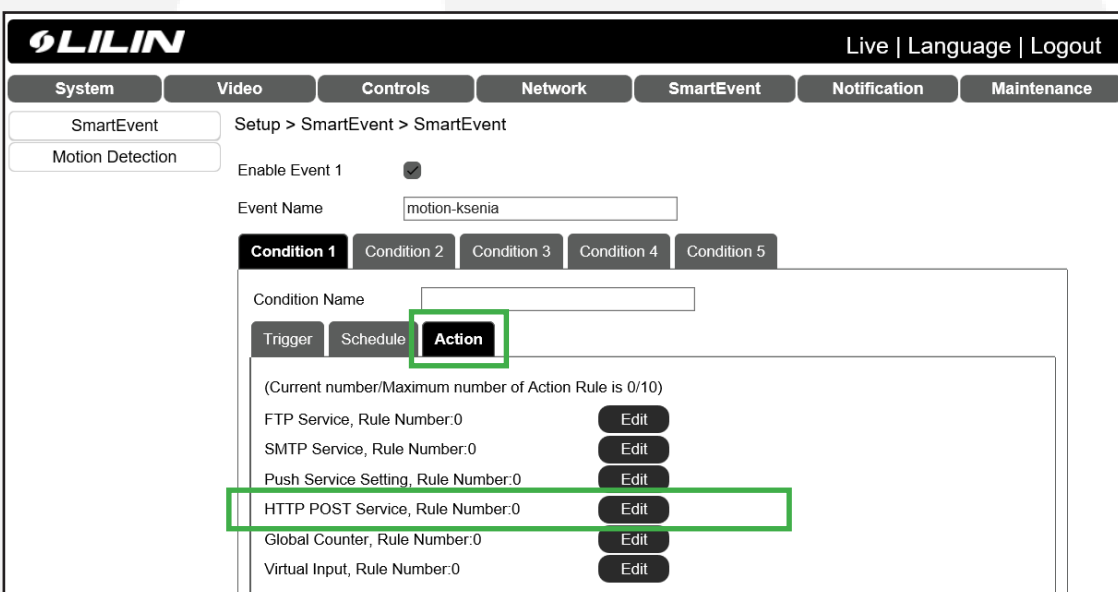
Accedere al menù **Smart Event** e cliccare **Add** per creare il nuovo evento.



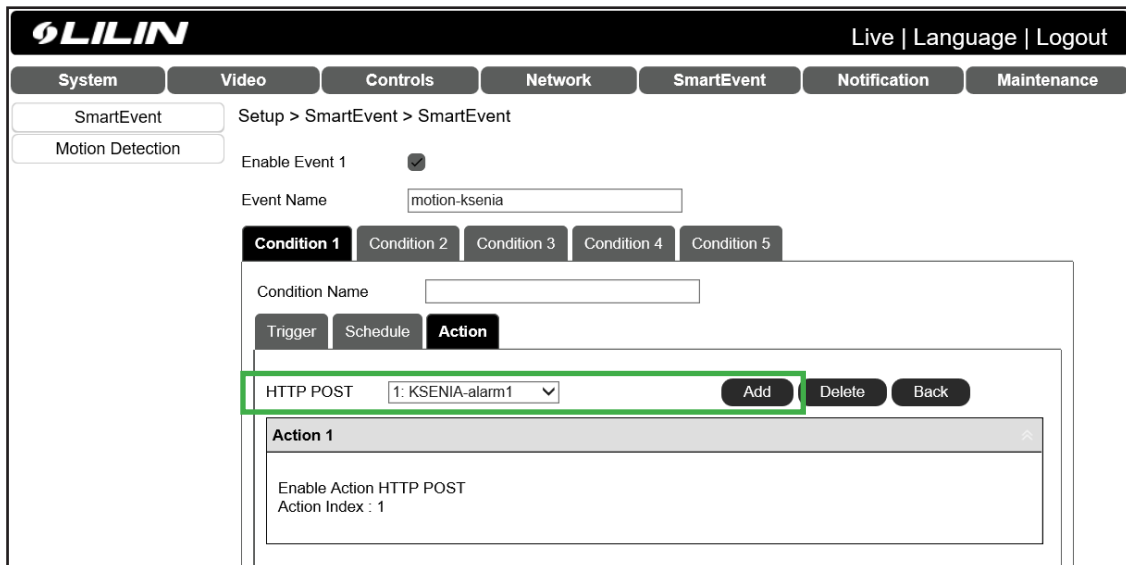
Inserire il nome dell'evento e nel sottomenù Trigger selezionare **Motion Detection = 1**.



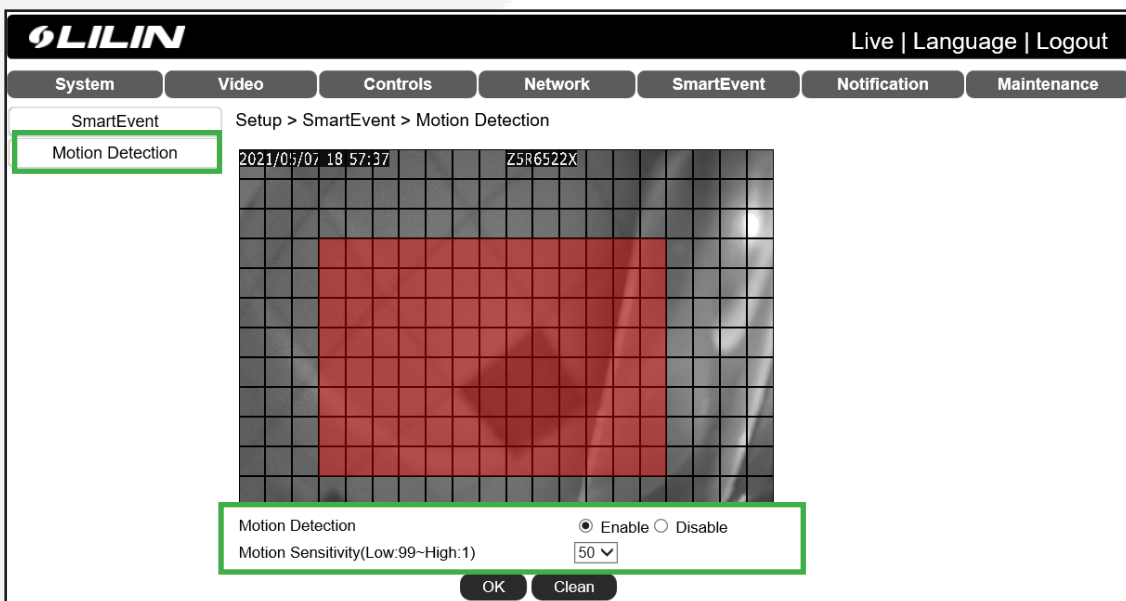
Accedere al sottomenù **Action** e cliccare **Edit** nel **HTTP Post service**.



Selezionare l'evento HTTP post precedentemente creato e aggiungerlo con **Add**.

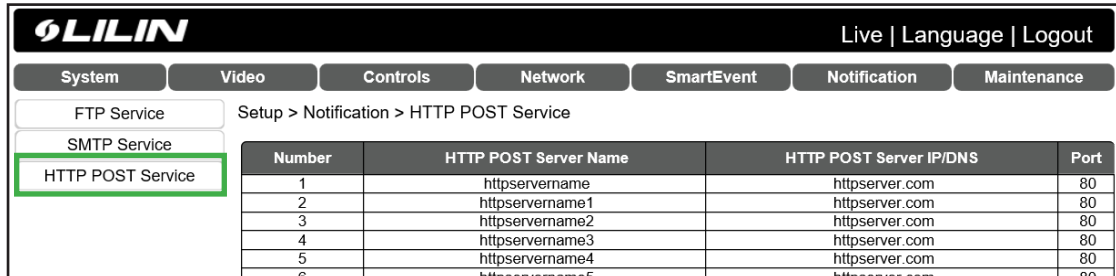


Configurare in breve il motion, accedere al sottomenù **Motion Detection** e selezionare l'area di motion e regolare la sensibilità.



## ► Procedura Smart IO Box DB052E

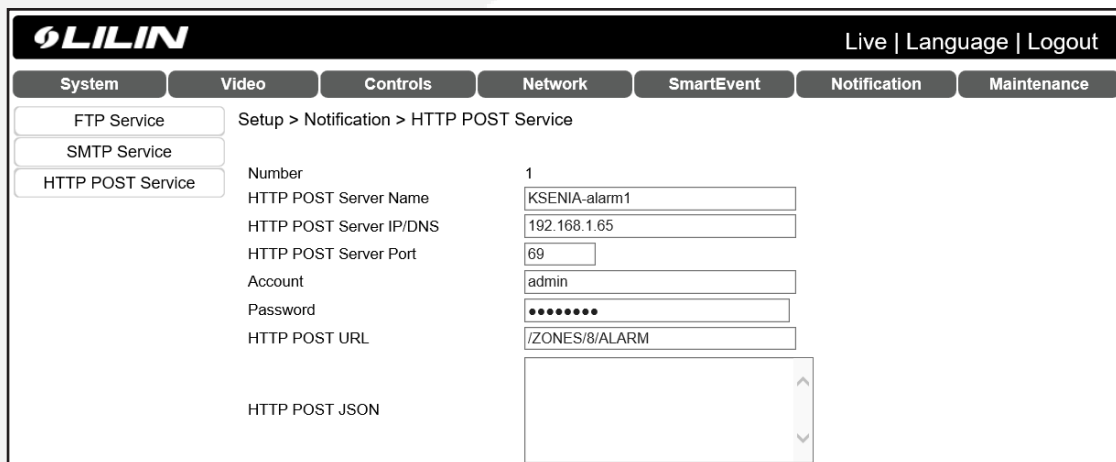
Accedere al **Setup / Notification / HTTP post service** e selezionare uno degli eventi http liberi.



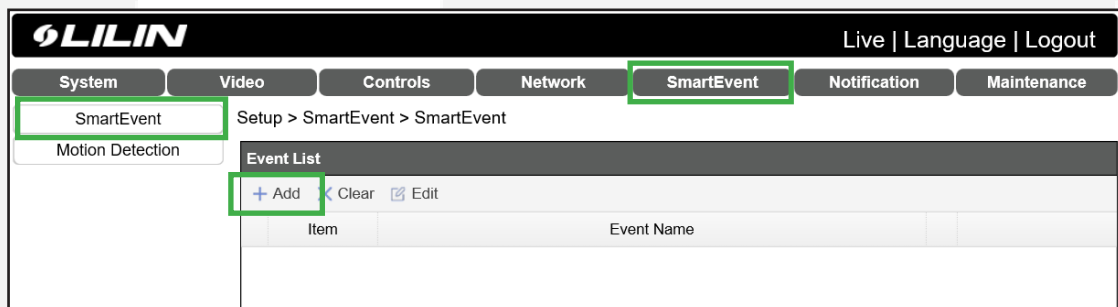
Number	HTTP POST Server Name	HTTP POST Server IP/DNS	Port
1	httpservername	httpserver.com	80
2	httpservername1	httpserver.com	80
3	httpservername2	httpserver.com	80
4	httpservername3	httpserver.com	80
5	httpservername4	httpserver.com	80
6	httpservername5	httpserver.com	80

Inserire i dati forniti dalla centrale Ksenia nei campi richiesti:

Server name	Inserire un nome per facilitarne il riconoscimento
Server IP/DNS	Indirizzo IP della centrale Ksenia
Server Port	69
Account e Password	non necessari
HTTP Post URL	inserire la stringa della zona virtuale fornita da Ksenia
Post Json	cancellare il contenuto

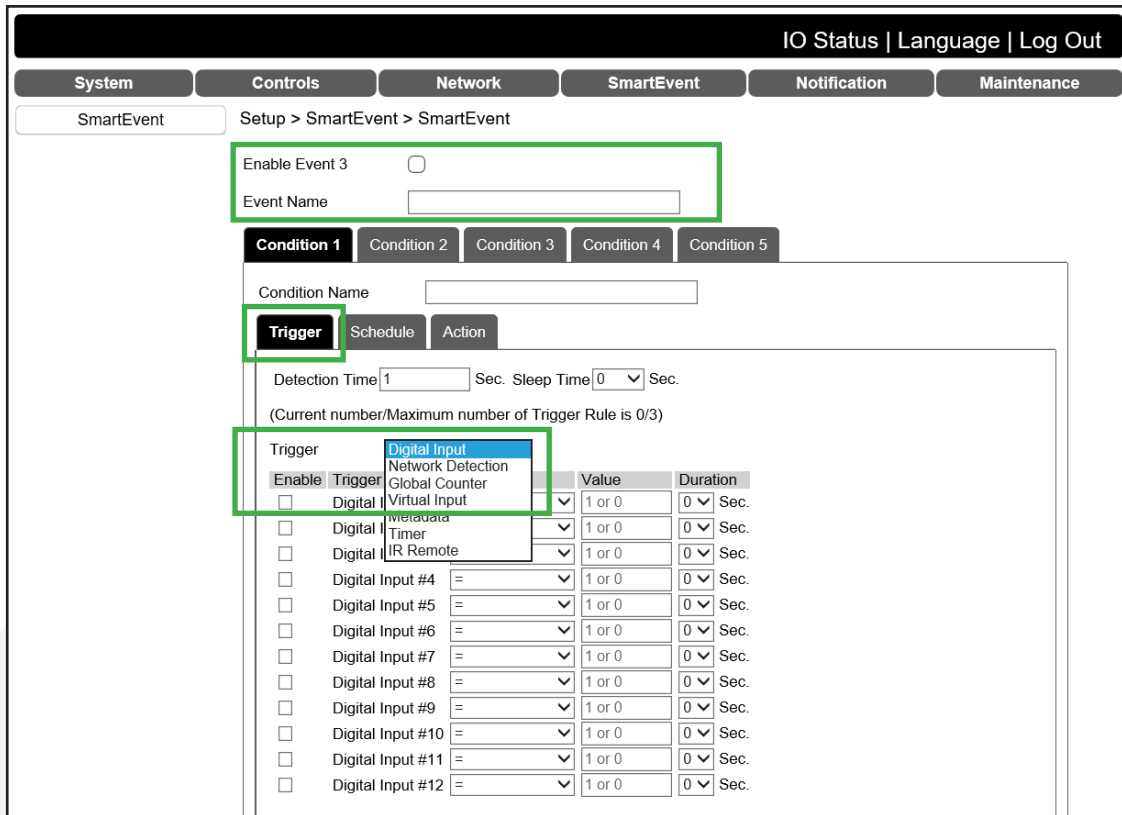


Accedere al menù **Smart Event** e cliccare **Add** per creare il nuovo evento.



Item	Event Name

Inserire il **nome dell'evento** e selezionare dal sottomenù **Trigger** che input di allarme.



IO Status | Language | Log Out

System Controls Network SmartEvent Notification Maintenance

SmartEvent Setup > SmartEvent > SmartEvent

Enable Event 3

Event Name

Condition 1 Condition 2 Condition 3 Condition 4 Condition 5

Condition Name

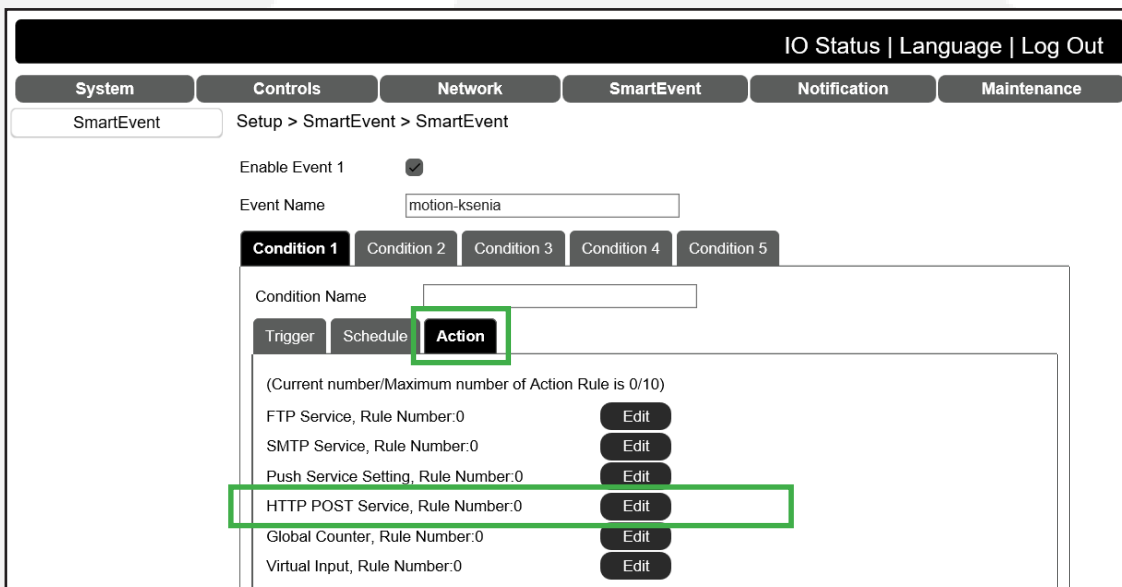
Trigger Schedule Action

Detection Time  Sec. Sleep Time  Sec.

(Current number/Maximum number of Trigger Rule is 0/3)

Enable	Trigger	Value	Duration
<input type="checkbox"/>	Digital Input	1 or 0	0 Sec.
<input type="checkbox"/>	Network Detection	1 or 0	0 Sec.
<input type="checkbox"/>	Global Counter	1 or 0	0 Sec.
<input type="checkbox"/>	Virtual Input	1 or 0	0 Sec.
<input type="checkbox"/>	Metadata Timer	1 or 0	0 Sec.
<input type="checkbox"/>	Digital IR Remote	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #4 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #5 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #6 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #7 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #8 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #9 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #10 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #11 =	1 or 0	0 Sec.
<input type="checkbox"/>	Digital Input #12 =	1 or 0	0 Sec.

Accedere al sottomenù **Action** e cliccare **Edit** nel **HTTP Post service**.



IO Status | Language | Log Out

System Controls Network SmartEvent Notification Maintenance

SmartEvent Setup > SmartEvent > SmartEvent

Enable Event 1

Event Name

Condition 1 Condition 2 Condition 3 Condition 4 Condition 5

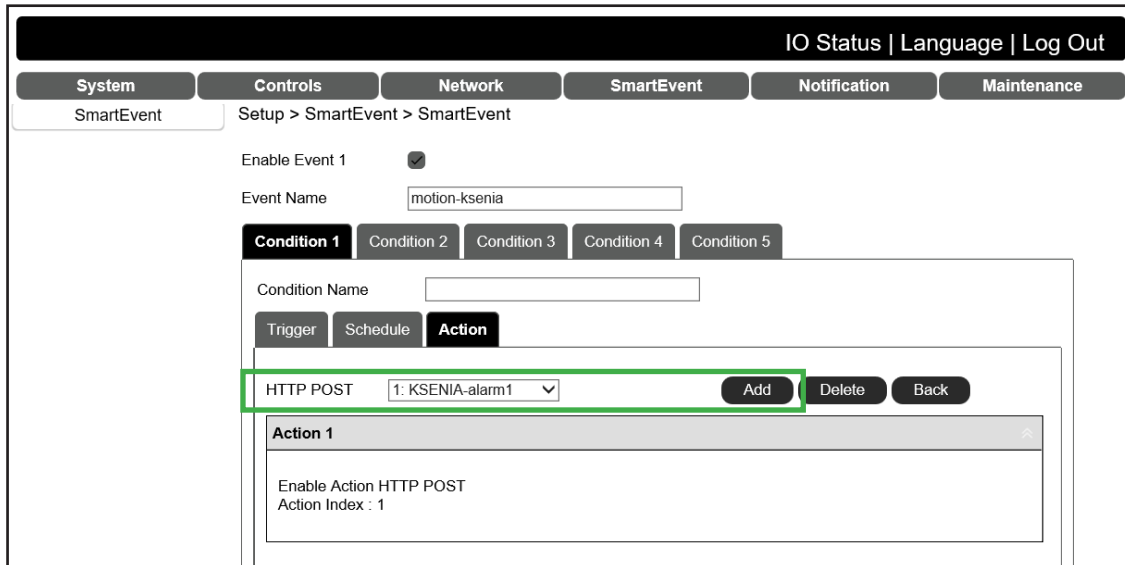
Condition Name

Trigger Schedule Action

(Current number/Maximum number of Action Rule is 0/10)

FTP Service, Rule Number:0	Edit
SMTP Service, Rule Number:0	Edit
Push Service Setting, Rule Number:0	Edit
HTTP POST Service, Rule Number:0	Edit
Global Counter, Rule Number:0	Edit
Virtual Input, Rule Number:0	Edit

Selezionare l'evento HTTP post precedentemente creato e aggiungerlo con **Add**.



IO Status | Language | Log Out

System Controls Network SmartEvent Notification Maintenance

SmartEvent Setup > SmartEvent > SmartEvent

Enable Event 1

Event Name

Condition 1 Condition 2 Condition 3 Condition 4 Condition 5

Condition Name

Trigger Schedule Action

HTTP POST 1: KSENIA-alarm1

Action 1

Enable Action HTTP POST  
Action Index : 1