

### Al Box Integration with 3rd party client User Guide Document

#### **Summary**

- 1) Al-Box Integration
  - a) Third Party Client Integration Guide Document.
  - b) Al-Box must be configured before integrating with 3rd party client.
- 2) Use Case
- 3) Annotated Video Streaming
  - a) 3rd Party Client Genetec / Omnicast Security Desk

#### **History**

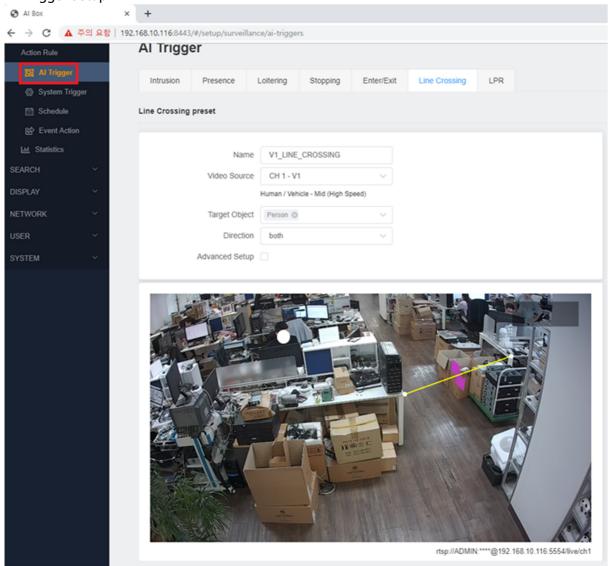
Version	Date	Comment
V0.1 (Draft Version)	2019-11-19	Initial Version

## **NOTA APPLICATIVA**



#### 1. Al-Box Setup

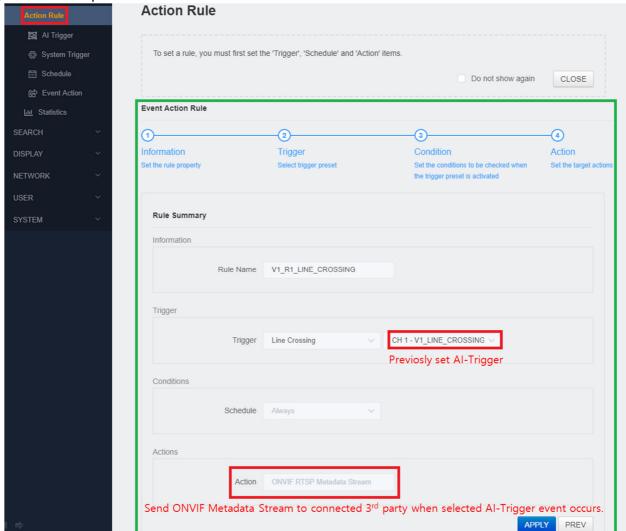
1) Al-Trigger Setup



a) The above figure shows the Line-Crossing Al-Trigger Setup



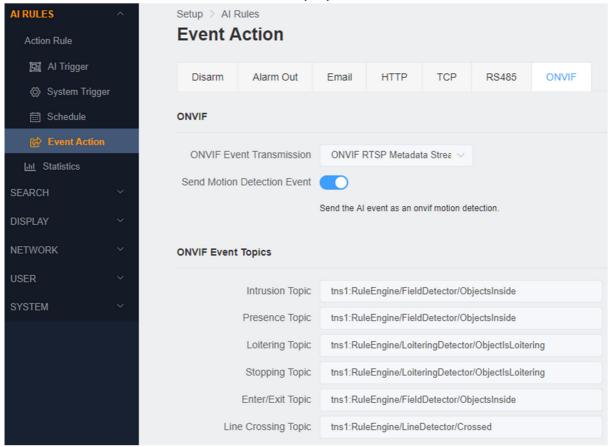
2) Al-Rule Setup



a) The above figure shows the Al-Rule Setup.



3) Send the AI Event as an onvif motion detection (ON)

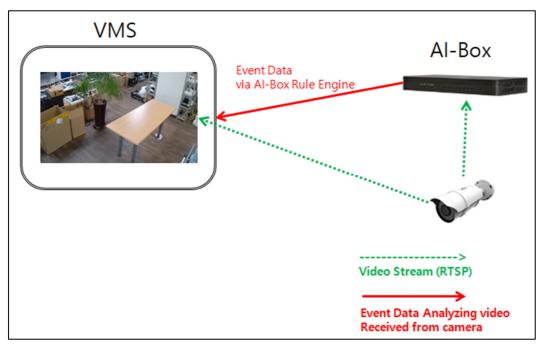


- a) When AI-Box send ONVIF Analytics Event Metadata, also send onvif motion detection data.
  - i) Because Legacy System does not recognize ONVIF Analytics Spec Event data, AI-Box sends as ONVIF Motion Detection Data. (Almost Legacy System can recognize ONVIF Motion Event Data.)
- b) If you enable this option, AI-Box will send ONVIF Motion Detection Data data additionally when an event occurs for all AI-Rule you set.
- c) After enabling on that option, if you set up Line-Crossing Al-Rule on channel 1, it sends two onvif metadata (Line-Crossing Event data, ONVIF Motion Detection data)

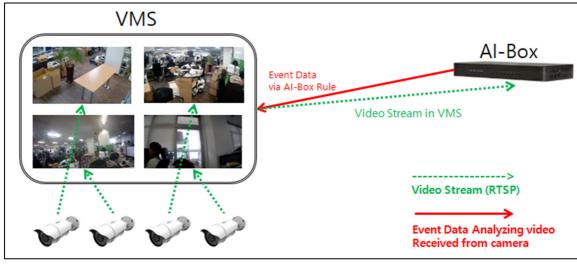
## **NOTA APPLICATIVA**



#### 2. Use Case



- 1) Case
  - a) register camera to VMS
  - b) AI-Box received camera video stream over RTSP (add Video Source in AI-Box)
  - c) Analyze the video and send event data to VMS

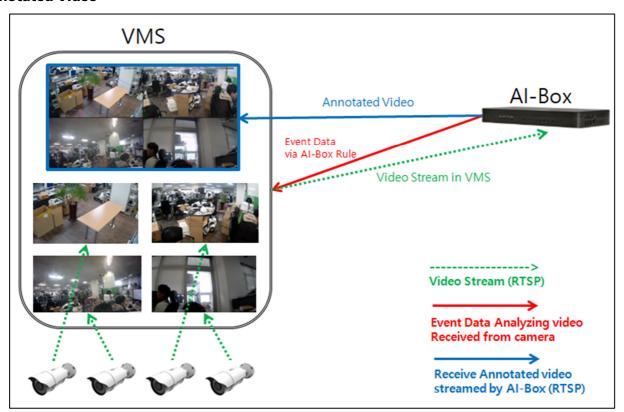


- 2) Case
  - a) register camera to VMS
  - b) Al-Box received video stream over RTSP from VMS (VMS Video Server)
  - c) Analyze the video and send event data to VMS

## **NOTA APPLICATIVA**

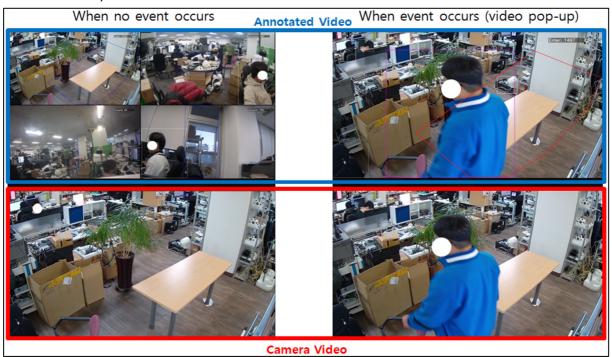


#### 3. Annotated Video



1) register Al-Box as ONVIF device or RTSP annotated video URL in VMS

#### (Annotated Video)



2) Annotated RTSP URL: **rtsp://<device ip>:<port>/live/ch0**, It is multi-view stream of video to camera received from AI-Box.

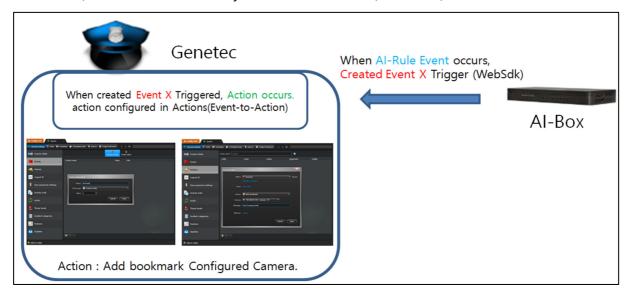
Normally, while maintaining multi-view, when AI-Event occurs, only the video of the channel where the event occurred is shown. (**Auto Video Pop-Up / Channel0 Encoding**)

## **NOTA APPLICATIVA**



#### 4. 3rd Party Client

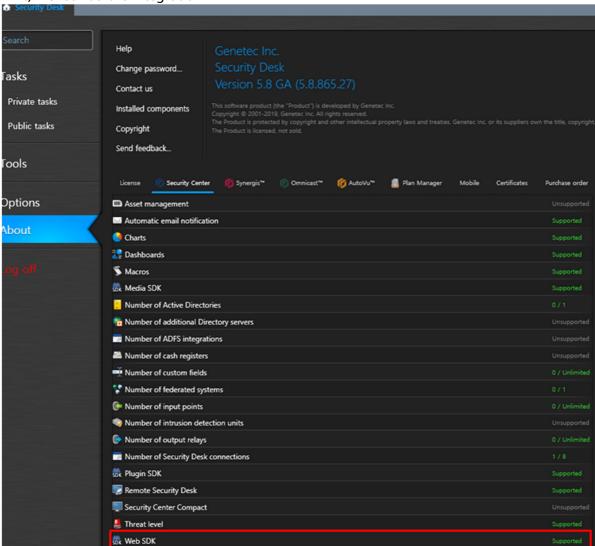
- 1) Genetec / Omnicast Security Desk
  - a) Omnicast Security Desk Version
    - i) Genetec Inc. Security Desk Version 5.8 GA (5.8.865.27)



- b) Al-Box & Genetec Overview
  - ① When Rule set in Al-Box occurs, Al-Box sends Event to Genetec via WebSdk
  - ② Genetec receive Event sent from AI-Box via WebSdk Event is triggered through the received WebSdk. Action occurs connected to event (Event-to-Action)
  - \* Through the above process, when the Al-Rule Event set up in Al-Box occurs, it can occur the action configured in Genetec.



c) Check before Integration



\* You must request a license from Genetec with GSC-1SDK-ITXM2M-AIBOX (Partner Number)

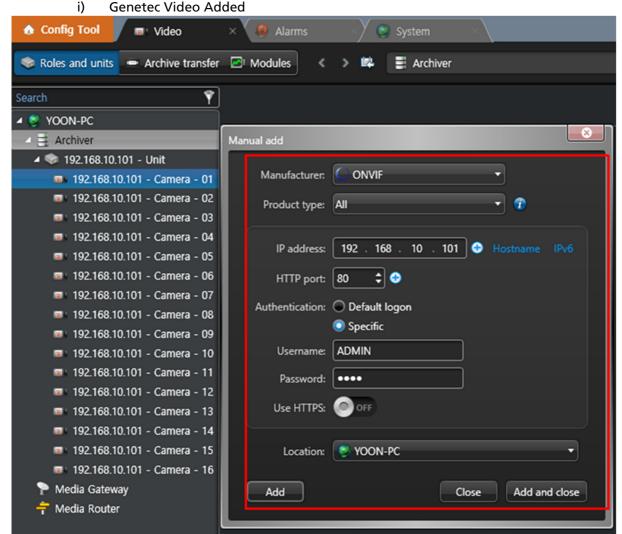
Security Desk -> About -> Security Center

\* It is necessary to check whether it is a license that supports Web SDK function. If it is not, it does not work properly. In order to integrate AI-Box and Genetec, you need to purchase WebSDK license.

### **NOTA APPLICATIVA**



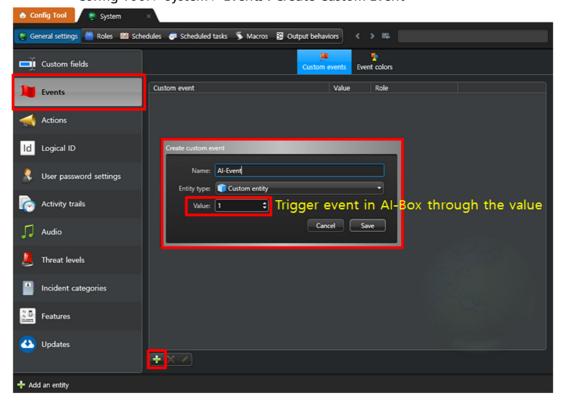
d) Al-Box & Genetec Integration (Genetec Setup)



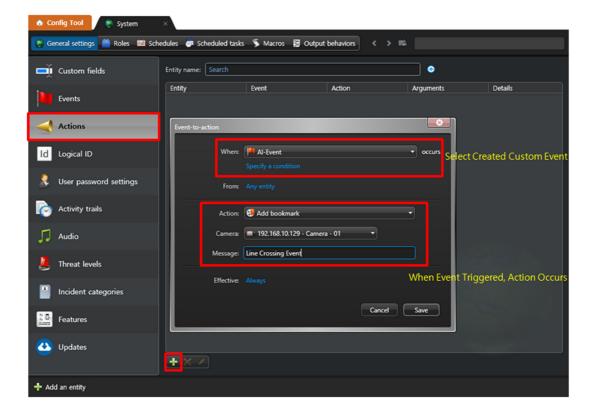
## **NOTA APPLICATIVA**



ii) Al-Box and Genetec are integrated through Event Config Tool > System > Events : Create Custom Event



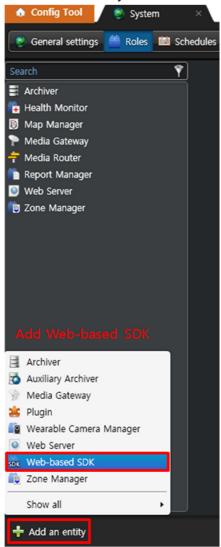
Config Tool > System > Actions: When created Custom event triggered, Action occurs

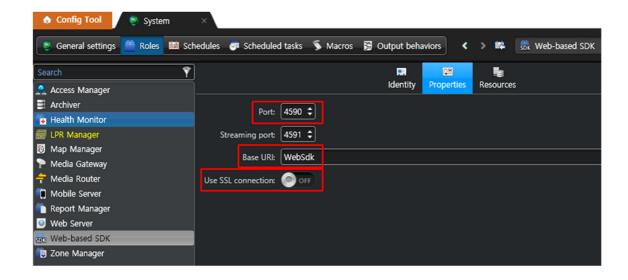


## **NOTA APPLICATIVA**



iii) Genetec WebSdk Setup Config Tool > Roles : Add an entity Web-based SDK



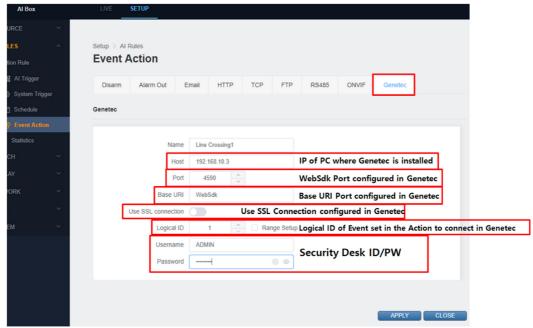


## **NOTA APPLICATIVA**



e) AI-Box & Genetec Integration (AI-Box Setup)

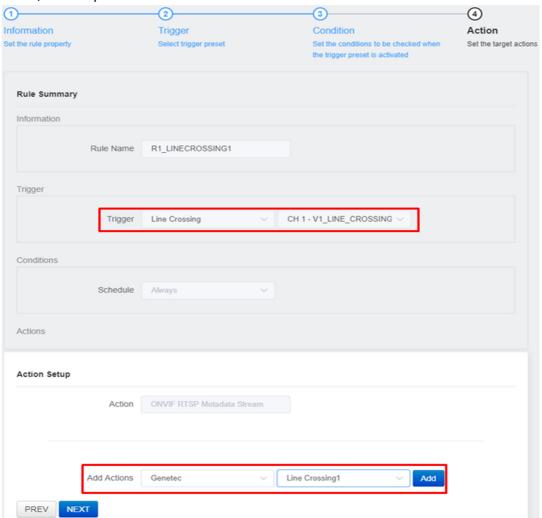
i) Setup > Al Rules > Event Action



\* Refer to Genetec WebSdk Setup Check



ii) Setup > AI Rules > Action Rule



\* When trigger event occurs, send Genetec WebSdk API(Event Trigger with Event Value)