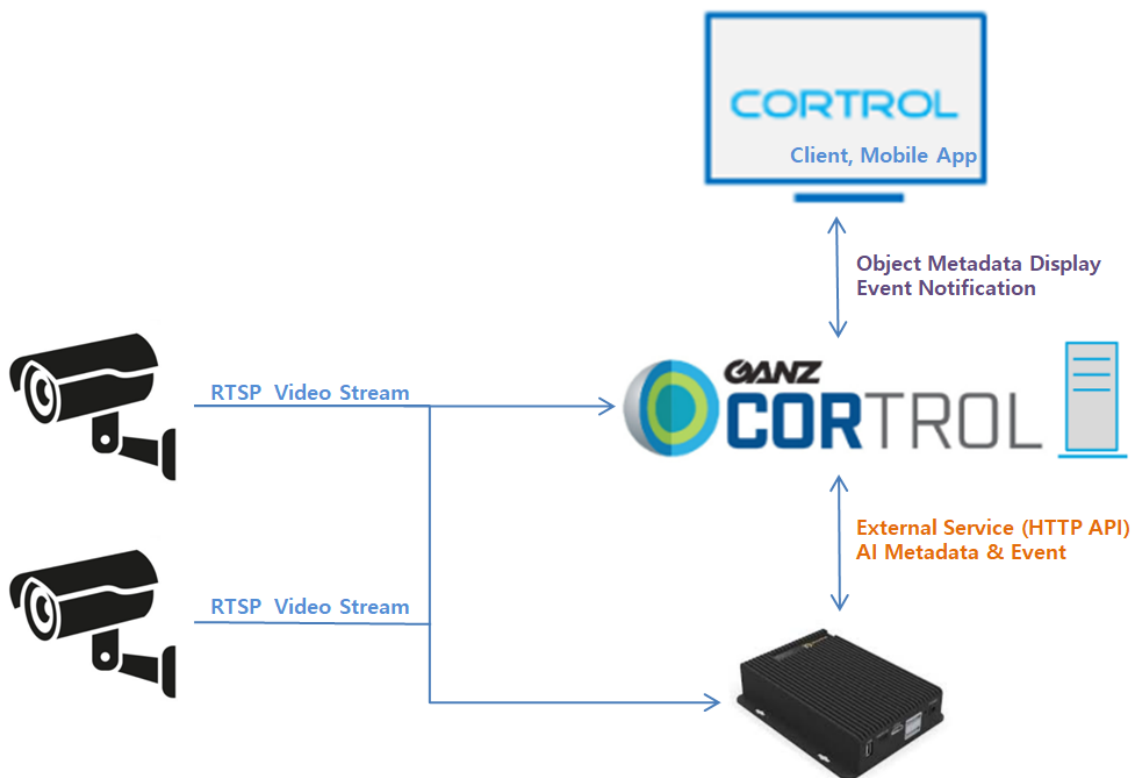


## 1. Introduction

### 1.1 Prerequisites

- **AIBridge FW** version **10124** or greater.
- **Ganz Control Premier VMS** version **1.22** or greater.

### 1.2 Learn about integration architecture



- IP Camera transmits video stream to **Control VMS** and **AIBridge**.
- **AIBridge** analyzes the received video stream by AI Apps and sends **Metadata & Event** to **Control VMS**.
- **AIBridge** responds to **Control VMS**'s search requests.



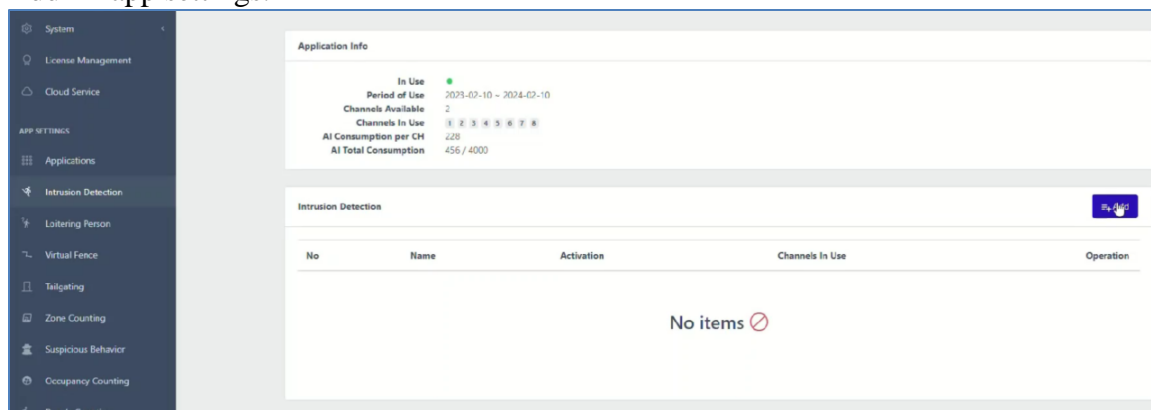
# CORTROL Plug-in Integration Guide

20230804 v1.0.1

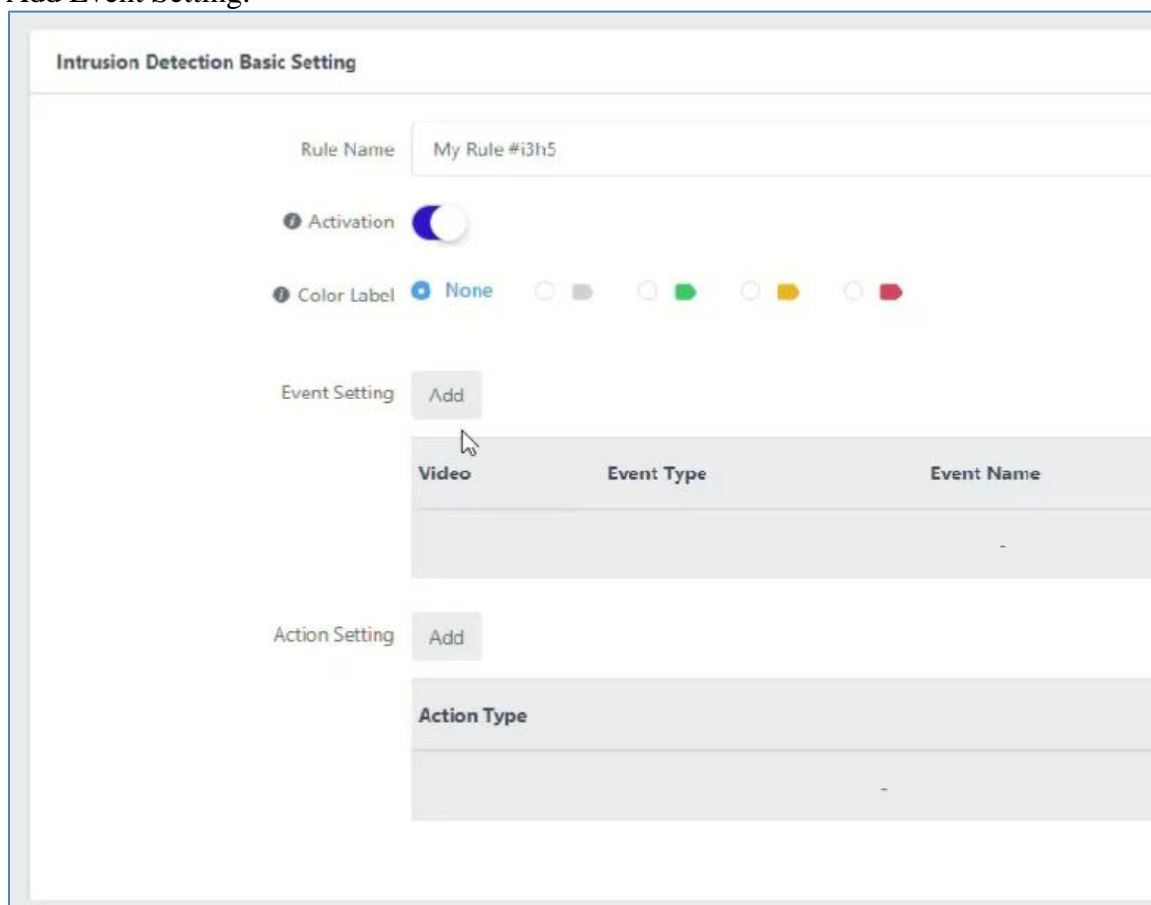
## 2. Configuration

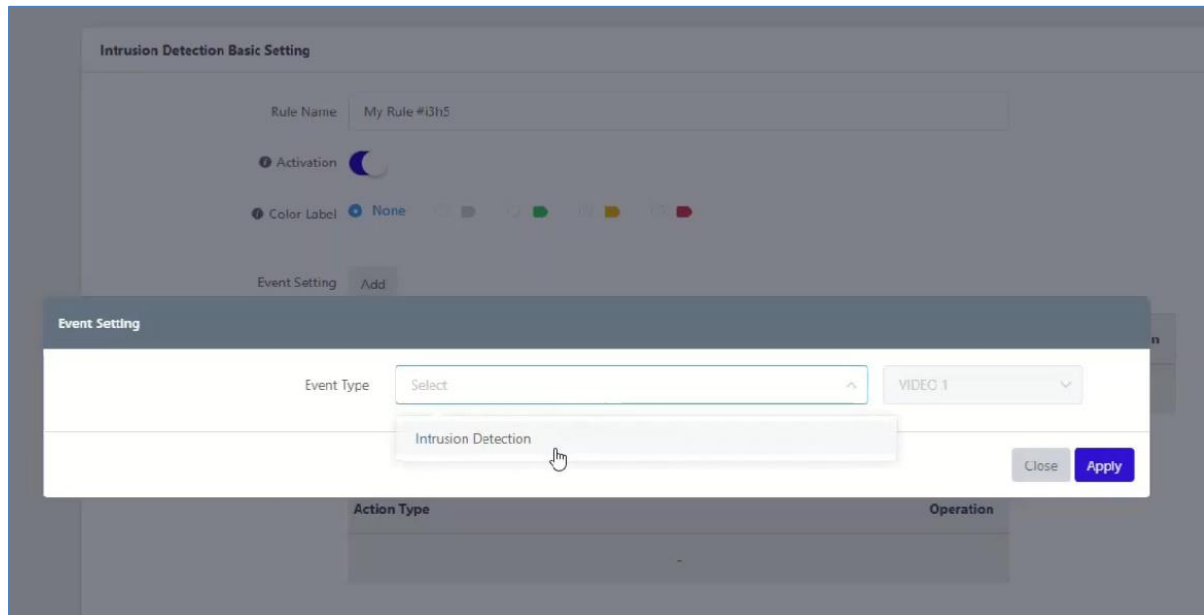
### 2.1 AIBridge Configuration

Add AI app settings.

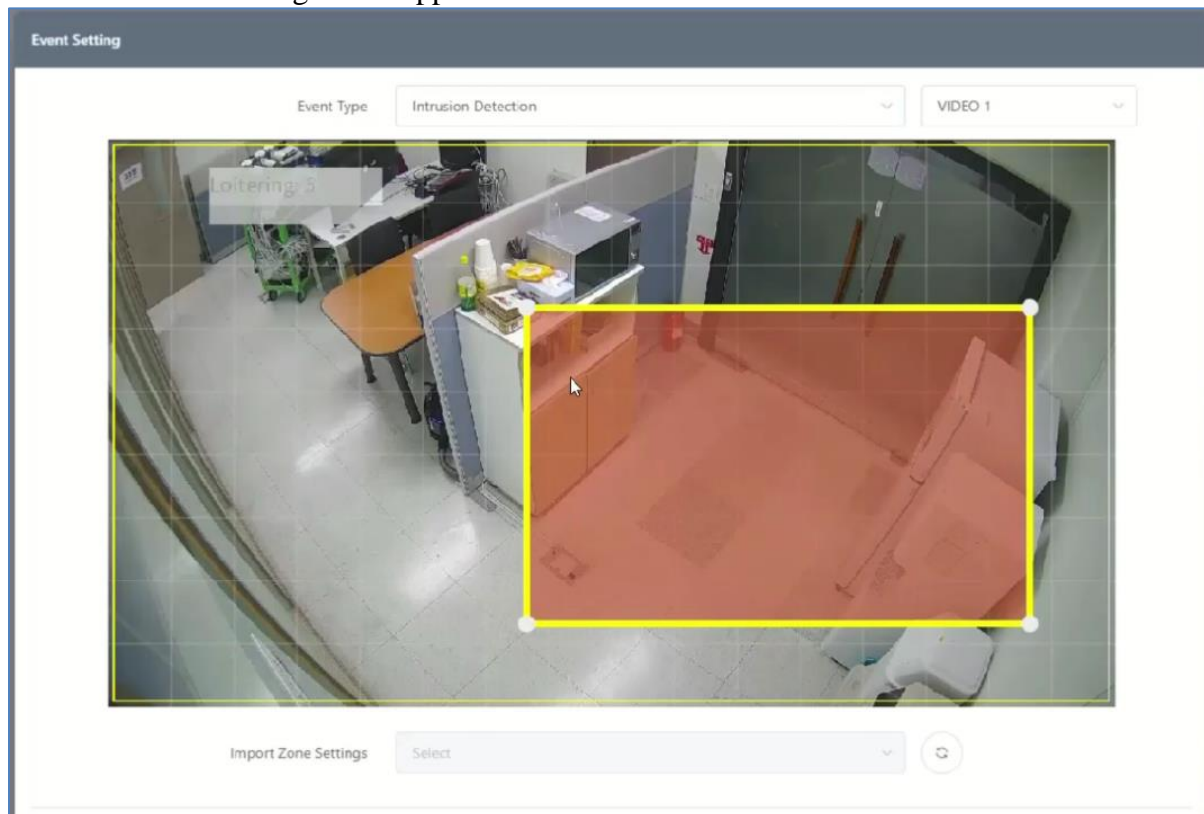


Add Event Setting.

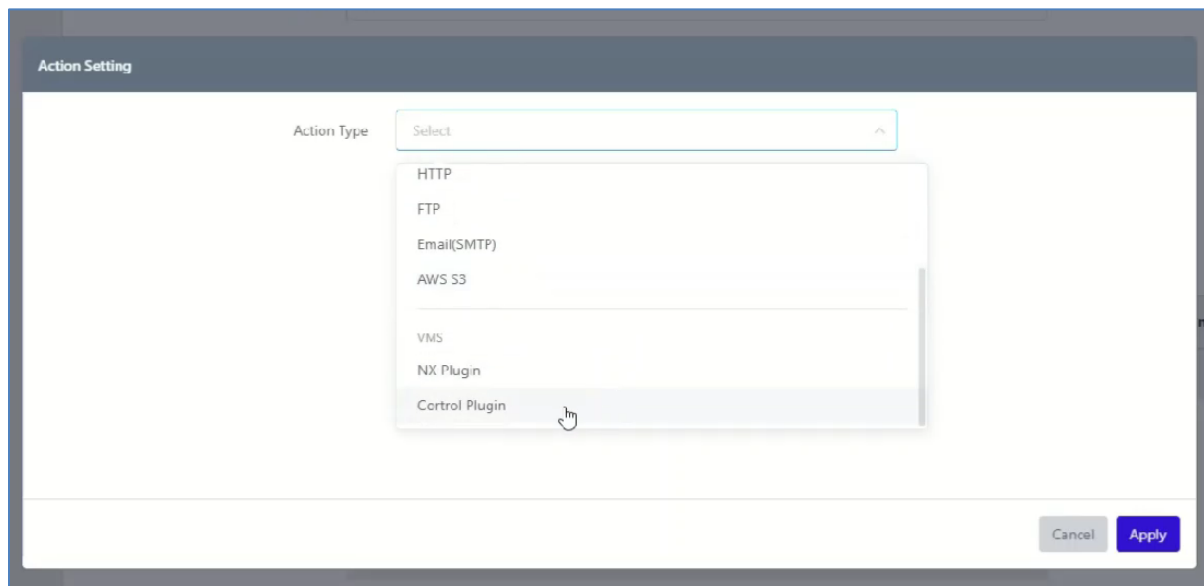
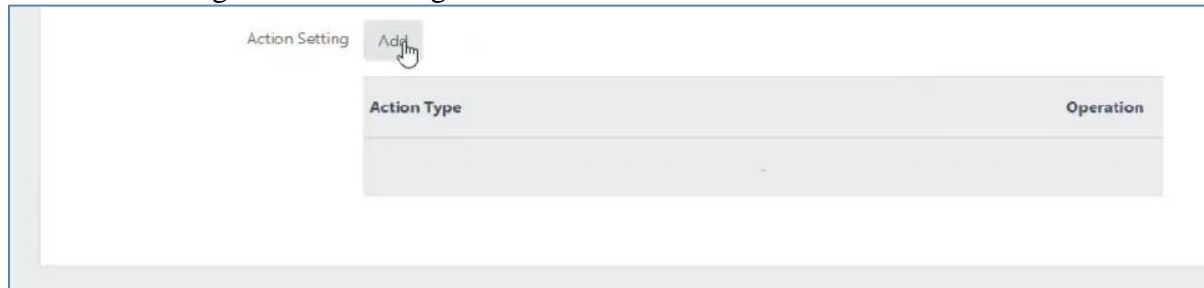




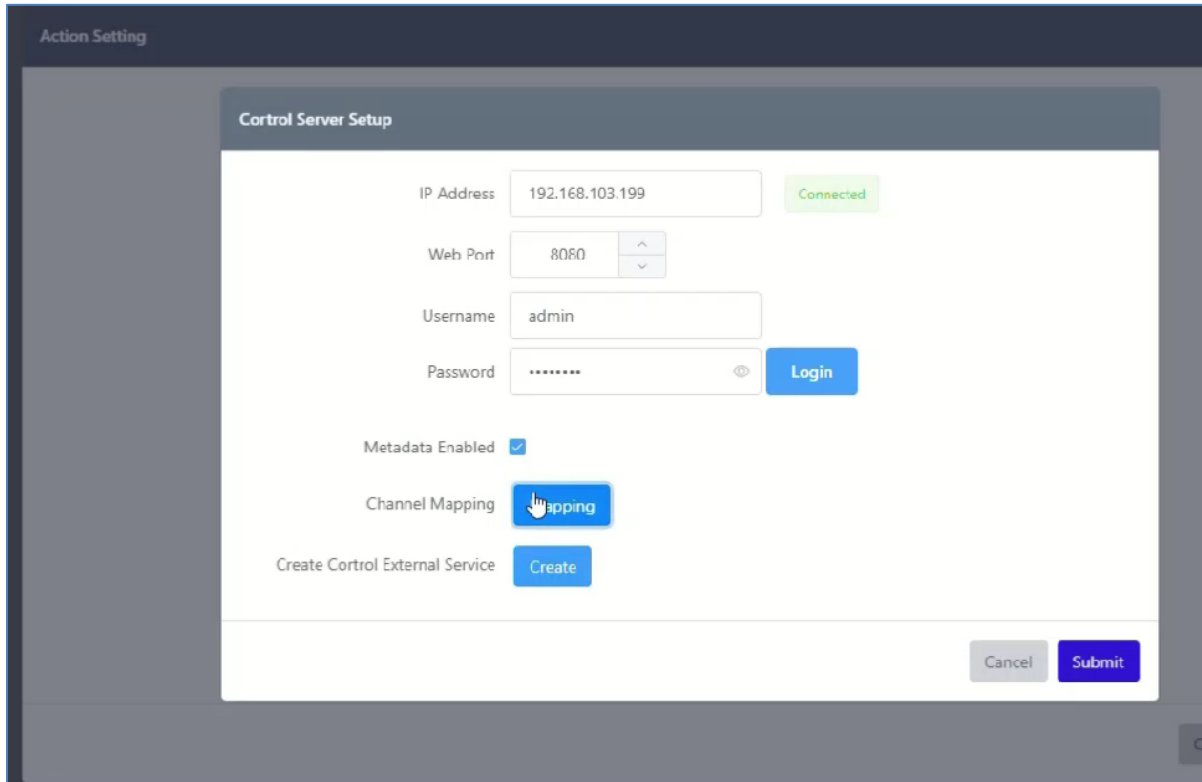
Zone or detailed setting of AI App.



Add Control Plugin Action Setting.



Enter the **Control VMS** information ( Server Address, Port number, Username, Password)  
 You can check if the **Control VMS** settings are correct through the “**Login**” button.



**Action Setting**

**Control Server Setup**

IP Address: 192.168.103.199 Connected

Web Port: 8080

Username: admin

Password: ..... Login

Metadata Enabled ☒

Channel Mapping Mapping

Create Control External Service Create

Cancel Submit

Note. When “**Metadata Enable**” is enabled, AIBridge transmits object **Metadata** detected by **AI** to **Control VMS**. Please note that performance issues may occur if the AI app is installed in an environment where **many objects are detected**.



# CORTROL Plug-in Integration Guide

20230804 v1.0.1

## 2.2 AIBridge Channel Mapping

Set up the relationship between the **AIBridge** channel and the channel of **Control VMS**.

Press the “**Mapping**” button to open the settings pop-up window.

Control Server Setup

IP Address 192.168.103.199 Connected

Web Port 8080

Username admin

Password ..... Login

Metadata Enabled ☒

Channel Mapping Mapping

Create Control External Service Create

Channel Mapping

1 CH	Control Channel ID	Control Channel II	Disconnected
2 CH	Control Channel ID	Control Channel II	Disconnected
3 CH	Control Channel ID	Control Channel II	Disconnected
4 CH	Control Channel ID	Control Channel II	Disconnected
5 CH	Control Channel ID	Control Channel II	Disconnected
6 CH	Control Channel ID	Control Channel II	Disconnected
7 CH	Control Channel ID	Control Channel II	Disconnected
8 CH	Control Channel ID	Control Channel II	Disconnected

Cameras update

Close

Enter the **Recording identifier (UUID)** of the channel registered in **Cortrol VMS** into **AIBridge**.

**Recording identifier (UUID)** can be obtained from the **Details** menu of Channel in **Cortrol Management Console**.

Ganz CORTROL Management Console - 192.168.103.199 - Server

Configuration > Channels

Configuration

- Servers
- Networks \*
- External services
- Failover clusters \*
- Users
- Devices
- Channels**
- Recording
- Maps
- Layout templates

[+ Create channel group](#)
[Edit](#)
[Assign main](#)

TITLE	DEVICE
door	사무실...
EU LPR	EU LPR
3 3 3	



Channel door

Channel

Details

Members

Membership

Permissions

Motion detector

Video analytics

Audio

Inputs

Outputs

Channel configuration

Video overlays

Dewarp

Video configuration

RTSP configuration

Edge configuration

Details

Default

Change...

Storage

Substream recording configuration

none

Change...

Substream recording configuration

Substream storage

Default

Change...

Substream storage

Edge recording configuration

none

Change...

Edge recording configuration

Edge storage

Default

Change...

Edge storage

Video lost time

15

Time Interval in seconds

Recording identifier

581E34D6-204A-44C3-84AB-BD1D2E65C3EA

Unique recording identifier

Related items

Channel Mapping

1 CH	681E34D6-204A-44C3-84AB-BD1D2E65C3I	door	Connected
2 CH	Control Channel ID	Control Channel II	Disconnected
3 CH	Control Channel ID	Control Channel II	Disconnected
4 CH	Control Channel ID	Control Channel II	Disconnected
5 CH	Control Channel ID	Control Channel II	Disconnected
6 CH	Control Channel ID	Control Channel II	Disconnected
7 CH	Control Channel ID	Control Channel II	Disconnected
8 CH	Control Channel ID	Control Channel II	Disconnected

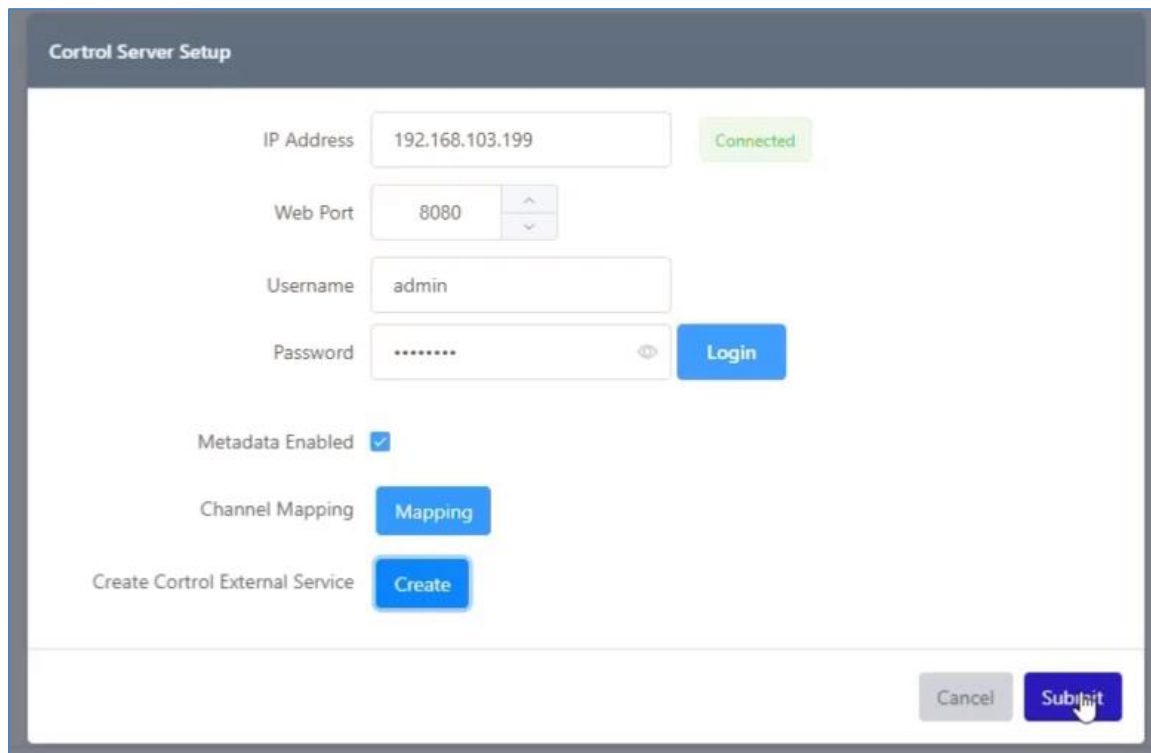
Cameras update

Close

Enter the **Recording identifier (UUID)** and press the “**Cameras update**” button to check if it is entered correctly. If the channel is connected successfully, green Connected is displayed.

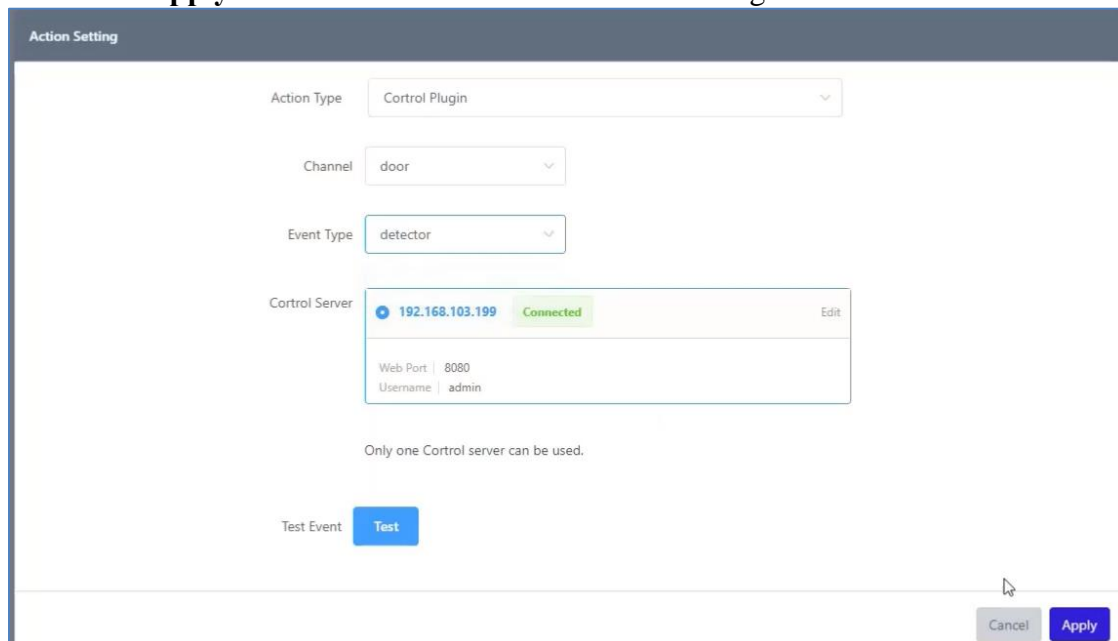
## 2.3 Create Control External Service

Create an external service by clicking the **“Create”** button on **AIBridge’s “Control VMS Setup page”**.

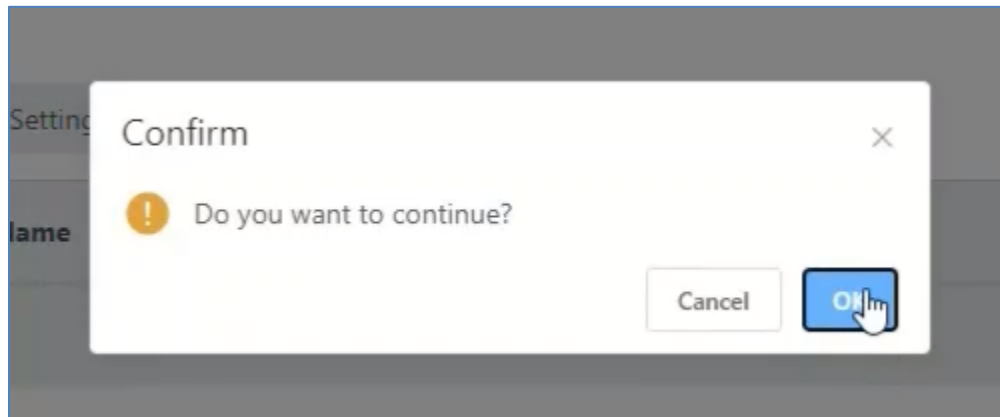


The screenshot shows the 'Control Server Setup' interface. It includes fields for IP Address (192.168.103.199), Web Port (8080), Username (admin), and Password (masked with dots). A 'Login' button is next to the password field. Below these fields, there is a 'Metadata Enabled' checkbox which is checked, a 'Channel Mapping' button, and a 'Create Control External Service' button. At the bottom right, there are 'Cancel' and 'Submit' buttons. A green 'Connected' status indicator is visible next to the IP address field.

Click the **“Apply”** button to save the Control Server settings.

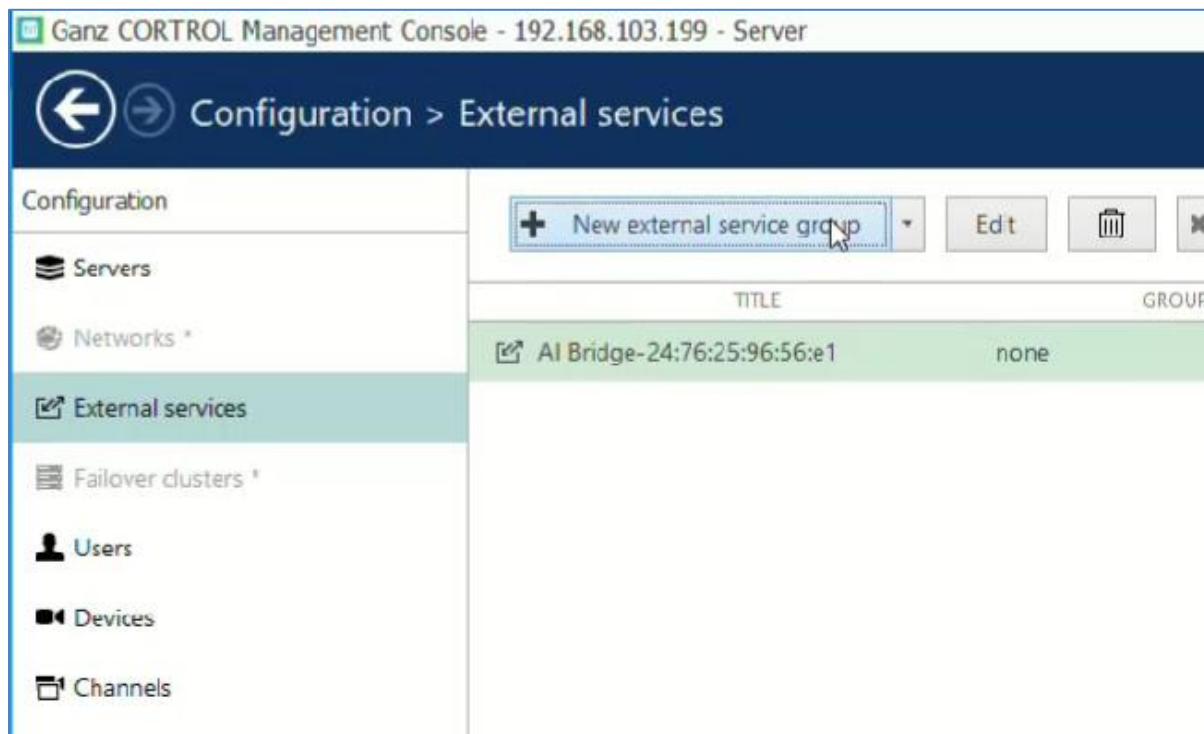


The screenshot shows the 'Action Setting' interface. It includes dropdown menus for Action Type (Control Plugin), Channel (door), and Event Type (detector). Below these, there is a 'Control Server' section showing a list of servers with columns for IP address, status, and an 'Edit' button. The first server listed is 192.168.103.199 with a 'Connected' status. Below the list, there is a note: 'Only one Control server can be used.' At the bottom, there is a 'Test Event' button and 'Cancel' and 'Apply' buttons at the bottom right.



If you see the device registered in the format “**AIBridge-MacAddress**” in the External Service tab of the **Control Management Console**, it's OK.

Next, Create an External Service Group.





# CORTROL Plug-in Integration Guide

20230804 v1.0.1

Enter the name of the new External Service Group as “**AI Bridge**”.

External service group AI Bridge\*

External service group

Details

Details\*

Permissions

Title

AI Bridge

External services group name

Assign **AIBridge** to the new External Service Group.

Ganz CORTROL Management Console - 192.168.103.199 - Server

Configuration > External services

Configuration

Servers

Networks \*

External services

Failover clusters \*

Users

Devices

Channels

+ New external service group

Exit

+

TITLE	GR
AI Bridge-24:76:25:96:56:e1	none
AI Bridge	



# CORTROL Plug-in Integration Guide

20230804 v1.0.1

External service AI Bridge-24:76:25:96:56:e1

External service

Details\*

Events and actions

Related resources

Details

Title

AI Bridge-24:76:25:96:56:e1

External service title

Server

none

Change...

Server (if none is selected the external service will run on central server)

Group

AI Bridge

Change...

Group to which the external service belongs

## 2.4 Create Control Event & Rule

We need to configure the events, actions, and rules that will be sending notifications  
Click the “+New Event” button to add a new event.

Ganz CORTROL Management Console - 192.168.103.199 - Server

Events Actions > Events

Events & Actions

+ New event Edit 1 selected

TITLE	EVENT TYPE	SOURCE	RE
Disk excludng	Disk excludng		
Failover activating	Failover activating	Server	
Fall-back activating	Fallback storage activating		
Motion	Motion detected		
Motion started	Motion started		
Motion stopped	Motion stopped		
Recording error	Recoding error		
Recording recovered	Recoding recovered from error		
User button clicked	User button		
Video lost	Video lost		
Video restored	Video restored		

Configuration  
Events & Actions  
Monitoring

Select Event Type as **External Event – External Service**.

Event Access control event\*

Event

Details

Select event type

Search

Available event types

Access control (2)

- Access control event  
Generic or system event from access control software
- Door event  
Access control event related to door status

Channel related (2)

- Digital input  
Event triggered by device digital input (DI) state change
- VCA event  
Event triggered by device-side analytics or Open VCA rule

External events (2)

- External service**  
Event received from LPR, FR, or via HTTP API
- External  
URL trigger by event ID

Variables and counters (4)

OK Cancel

Event door External service\*

Event

Details

Event type

External service

Change...

Select event type from list of possible event types

Title

door External service

Event name

Source

door

Change...

Event source

Service group

AI Bridge

Change...

Service group

Target event

Event

Target event

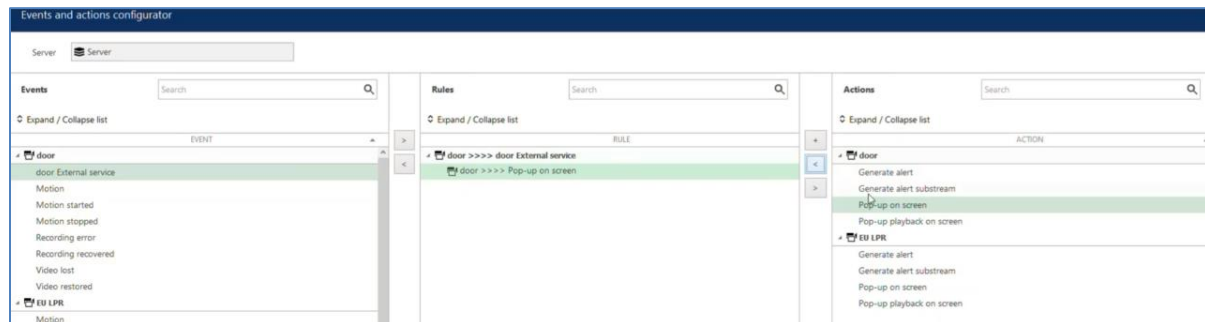




# CORTROL Plug-in Integration Guide

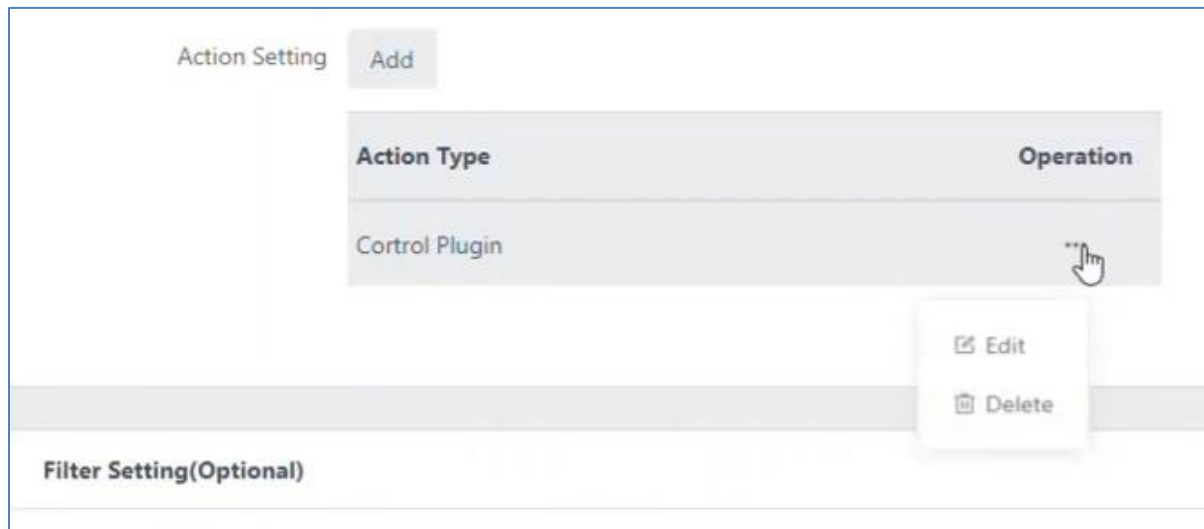
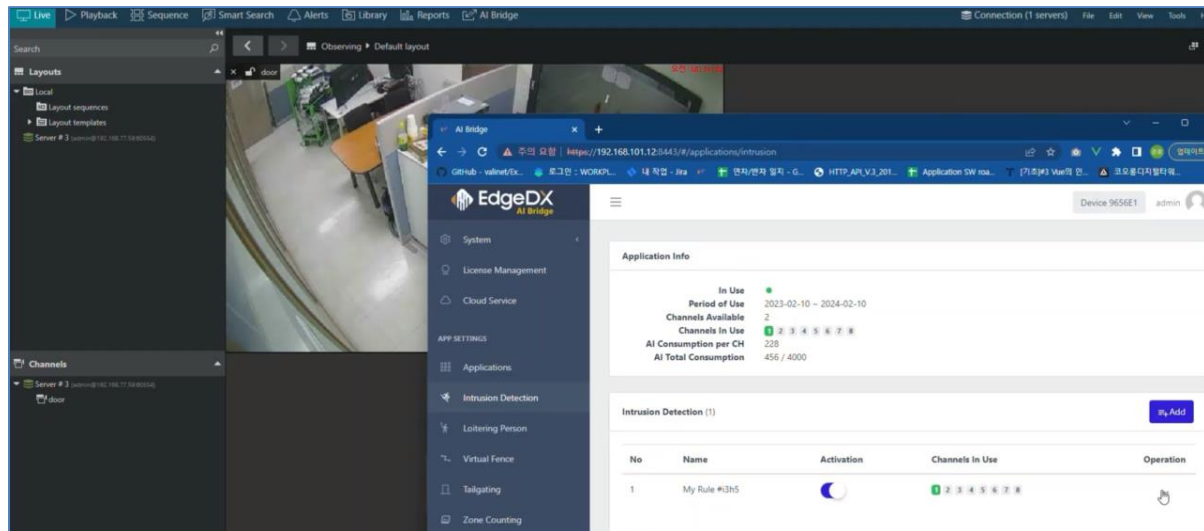
20230804 v1.0.1

Create a rule by combining the created event type and action.



## 2.5 AIBridge Rule Test

In **AIBridge**'s Control Setup page, use the event **“Test”** button to test whether the setting is successful.





# CORTROL Plug-in Integration Guide

20230804 v1.0.1

**Action Setting**

Action Type

Control Plugin

Channel

door

Event Type

detector

Control Server

192.168.103.199

Connected

Edit

Web Port

8080

Username

admin

Only one Cortrol server can be used.

Test Event

Test



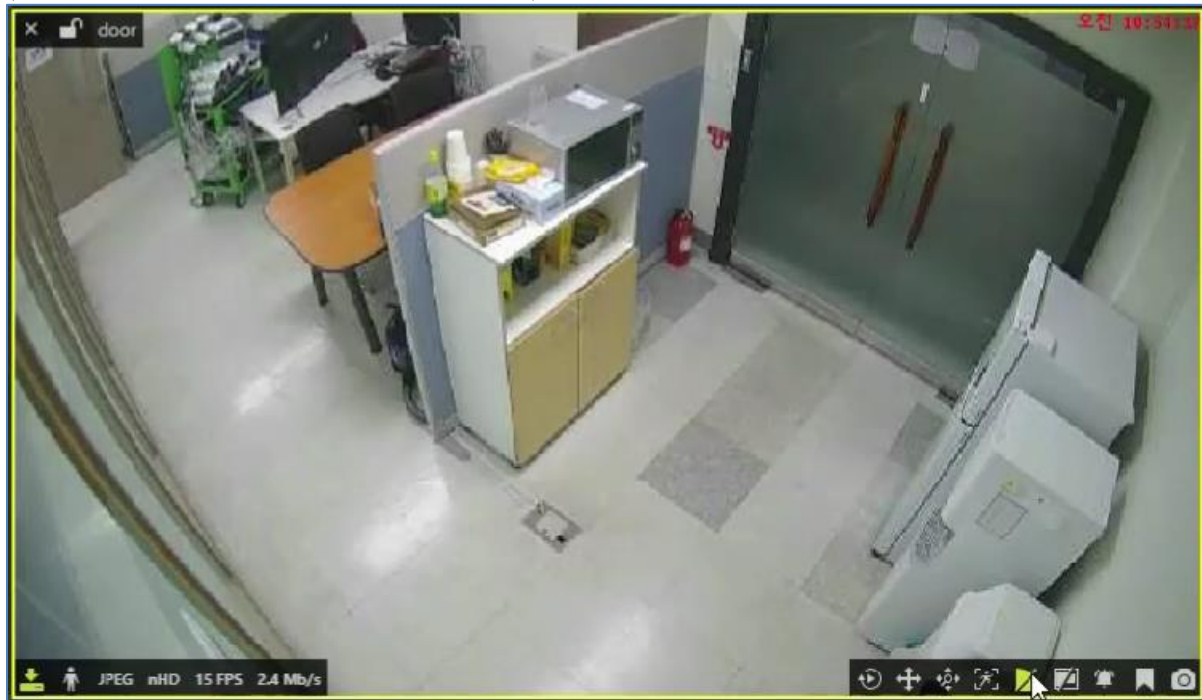
# CORTROL Plug-in Integration Guide

20230804 v1.0.1

## 3. Demo

### 3.1 Live

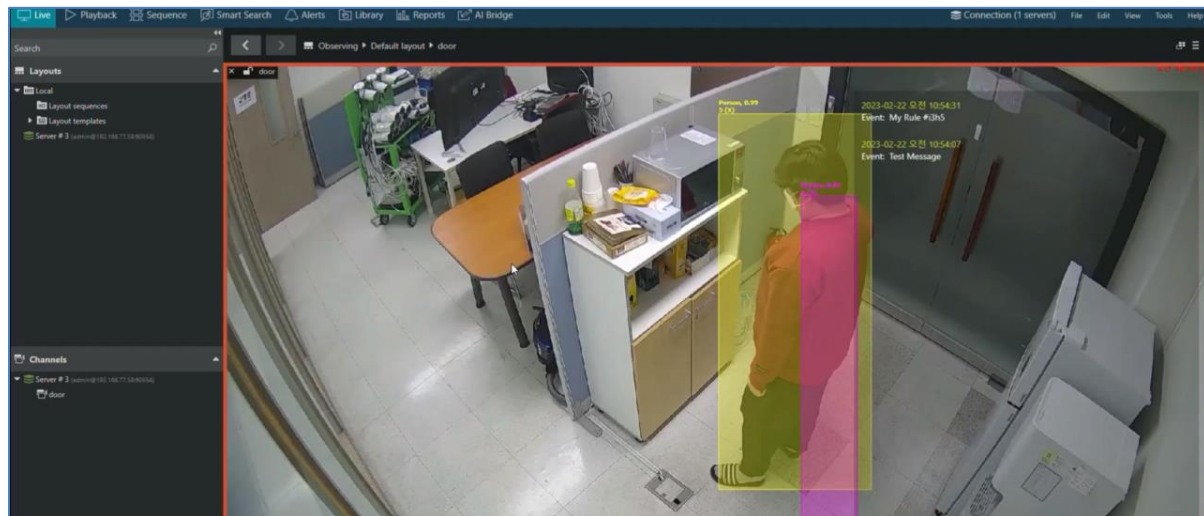
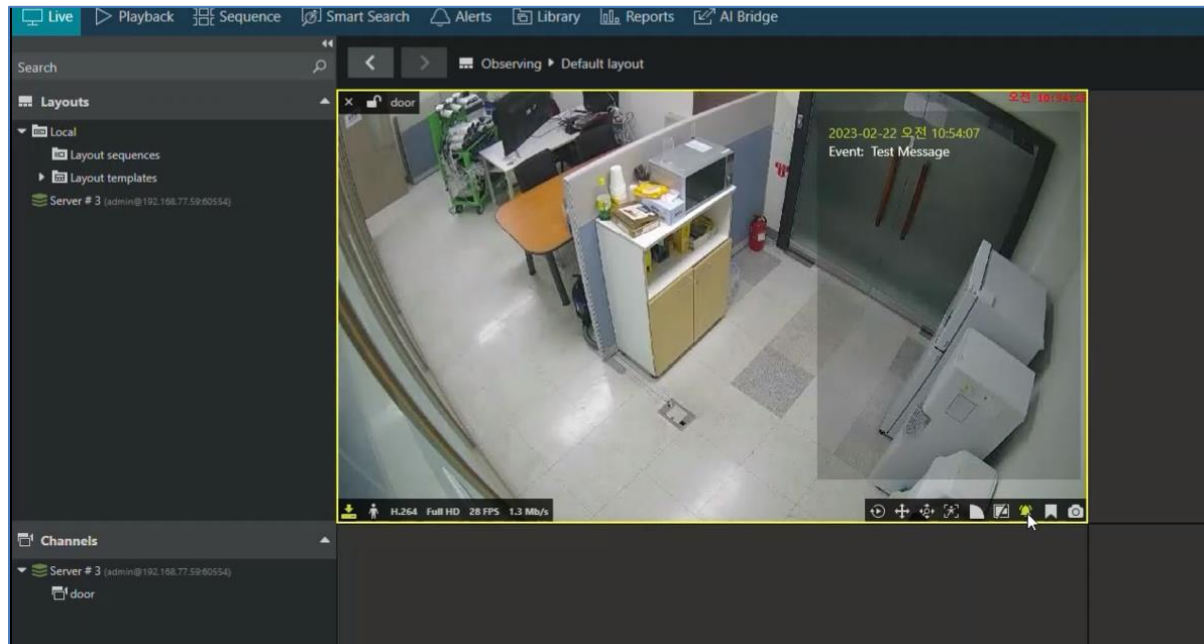
Set the **Control Client** to display **Metadata** and **Alarms** to check if it works with **AIBridge**.  
(Click the icon at the bottom of the video)





# CORTROL Plug-in Integration Guide

20230804 v1.0.1





# CORTROL Plug-in Integration Guide

20230804 v1.0.1

## 3.2 Search

The screenshot shows the GANZ CORTROL interface with the 'Smart Search' tab selected. The search panel on the right is active, showing a search interval from 2023-02-21 10:53:23 오전 to 2023-02-23 10:53:23 오전. Below the search panel, a table displays the search results:

TIME	CHANNEL	EVENT
2023-02-22 오전 10:54:47	door	My Rule #13h5
2023-02-22 오전 10:54:30	door	My Rule #13h5
2023-02-22 오전 10:25:01	door	My Rule #WWn