

Intozi x Milestone Integration Document

Version: 1.0.0.0

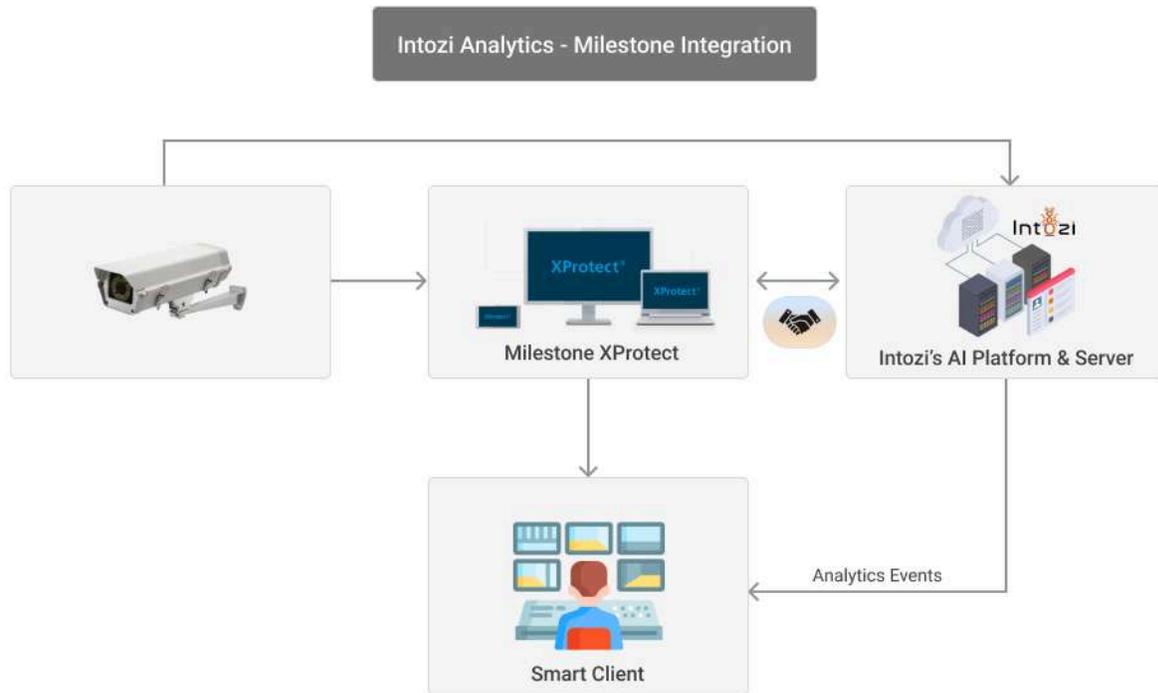


Milestone VMS Product Version - XProtect R3 2023 Essential+

- Milestone XProtect Management Client 2023 R3
Version: 23a
Build: 58
- Milestone XProtect Smart Client 2023 R3
Build: 61

Intoz Platform Version - Ikshana 1.0.1**Intoz Plugin Version - Intoz v1.0.0.0****Software Architecture**

- Intoz Ikshana supports flexible installation options, allowing deployment either on the same machine as XProtect or on a separate machine, accommodating diverse system configurations and preferences.
- Ikshana seamlessly integrates with XProtect 2023 R3 Essential+, enabling direct retrieval of video feeds from XProtect, thereby enhancing surveillance capabilities and streamlining monitoring processes.
- Ikshana facilitates efficient alarm transmission to the XProtect Smart Client application, ensuring real-time alerts and actionable insights for proactive monitoring and rapid response, thereby enhancing overall operational effectiveness and situational awareness.



Intozzi Ikshana Management Client seamlessly integrates with Milestone, facilitating various functionalities:

- **Video Feed Integration:** The Ikshana Management Client establishes a connection with XProtect to retrieve video feeds, enabling comprehensive surveillance capabilities within the Ikshana platform.
- **Analytic Rules Configuration:** Users can conveniently set and manage analytic rules within Ikshana, deploying them as services for automated monitoring and analysis of video data..
- **Alarms generated by Ikshana's analytic processes** are efficiently transmitted to the Event Server of XProtect, ensuring timely notifications and alerts for effective incident management.
- **Event Transmission:** Ikshana forwards events to XProtect Smart Client , enriching the VMS with additional data for enhanced situational awareness and comprehensive event logging.
- **Metadata Transmission:** Ikshana transmits metadata to XProtect Smart Client, allowing it to be seamlessly integrated and visible within the XProtect Live View,

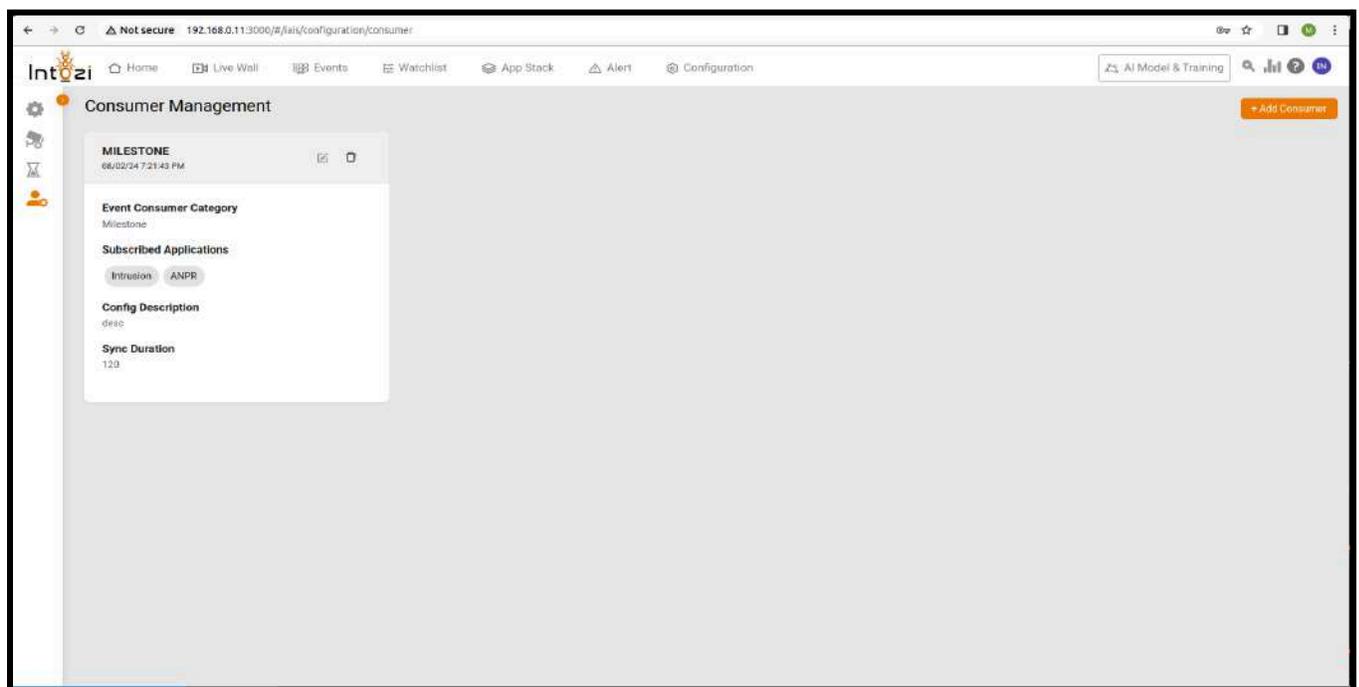
providing users with contextual information alongside video feeds for better understanding and decision-making.

- ANPR and FR Plugin: Ikshana offers a dedicated plugin for Automatic Number Plate Recognition (ANPR), Facial Recognition (FR), and more, enabling users to view alarms with detailed information directly within the XProtect Smart Client interface, enhancing operational efficiency and response capabilities.

Configuration of Intozi - Ikshana in Milestone

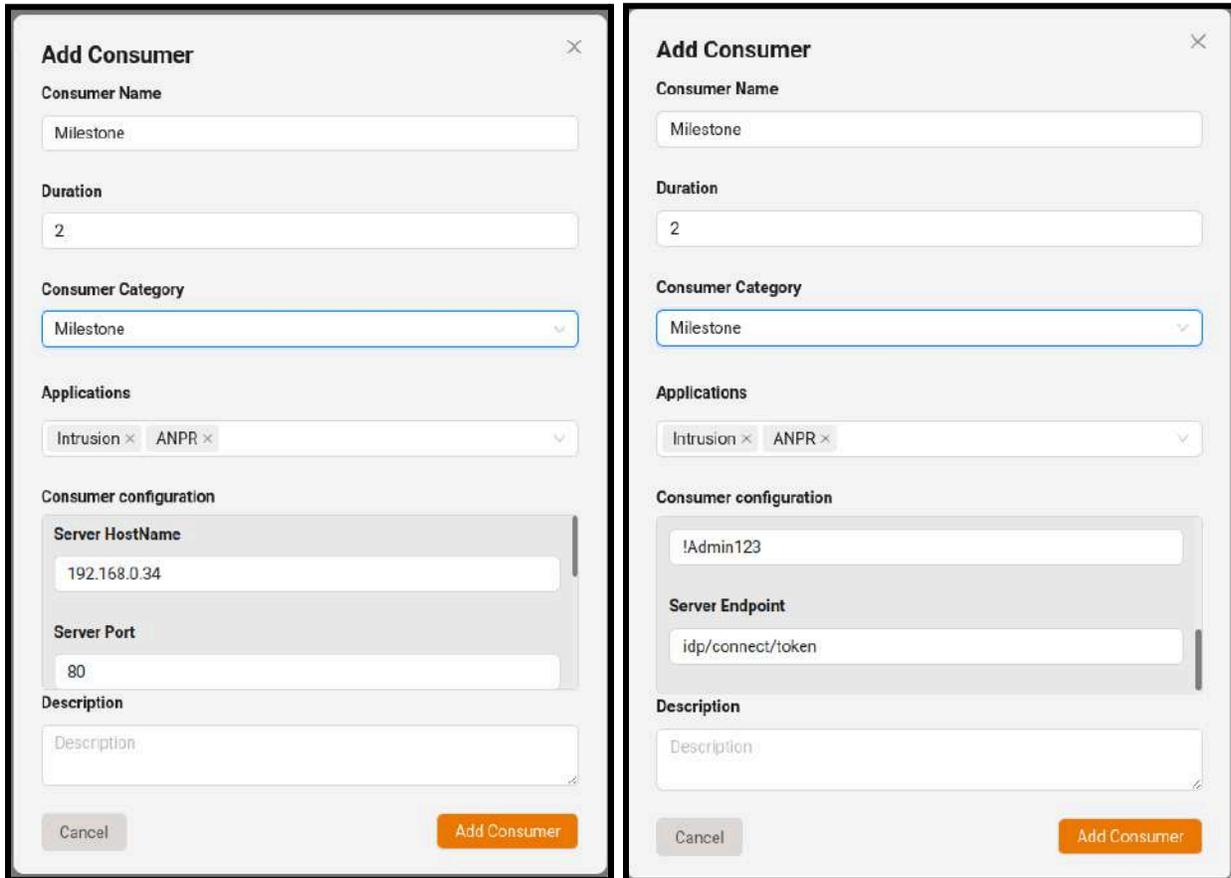
Adding a consumer to Intozi-Ikshana

We need to set up a consumer of XProtect in Ikshana



To Add a Consumer

- Click on '+Add Consumer' button to add a new consumer for the Iksahna Events.
- Select 'Milestone' from Consumer Category drop-down.
- Choose the suitable applications from which you wish to transmit events. You have the option to select some or all of the applications.
- Fill in the server IP, port, and endpoint.



After adding the consumer, we can proceed to include cameras and dispatch events.

Adding camera

- We can add cameras in two ways: either in batches or individually.
- For batch addition , click on configuration and select batch addition

Group Name	Device Name	Address	Protocol Name	Is Active	Date & Time
Saket	Court Chowk Road D2 - Towards Saket Court	---	RTSP	Active	2023-09-01 16:19:27
Saket	INTOZI SVT	---	RTSP	Active	2024-01-08 13:27:07
Saket	Hanwha Vision XNZ-6320 (192.168.0.56) - Camera 1	192.168.0.56	MILESTONE	Active	2024-02-13 17:08:46
Saket	Universal 1 channel driver (49.205.176.146) - Camera 1	49.205.176.146	MILESTONE	Active	2024-02-13 17:08:46
Dera Mor	Dera Mor D1 - Towards Chatterpur	---	RTSP	Inactive	2023-09-01 16:24:49
IGNOU	Z Mode IGNOU D1 - Towards IGNOU	---	RTSP	Inactive	2023-09-01 16:40:42
IGNOU	Z Mode IGNOU D2 - Towards Saket	---	RTSP	Active	2023-10-03 14:53:19
Moolchand Flyover	Under Moolchand Flyover D1 - Towards Lodhi/Maharani	---	RTSP	Inactive	2023-09-01 16:46:26
Moolchand Flyover	---	---	---	Inactive	undefined undefined
Baandh Road	Baandh Road D1 - Towards T Point	---	RTSP	Inactive	2023-10-03 14:49:21
Baandh Road	Baandh Road D2 - Towards Mansa devi	---	RTSP	Inactive	2023-10-03 14:50:41
Batra Hospital Booth	Batra Hospital Booth D1 - Towards sangam vihar	---	RTSP	Active	2023-10-03 15:10:46

- After you select batch addition, the following card will appear: Fill in the details

Batch Addition

* Protocol: MILESTONE * RTSP PORT: 554

* Group Name: Saket * PORT: 80

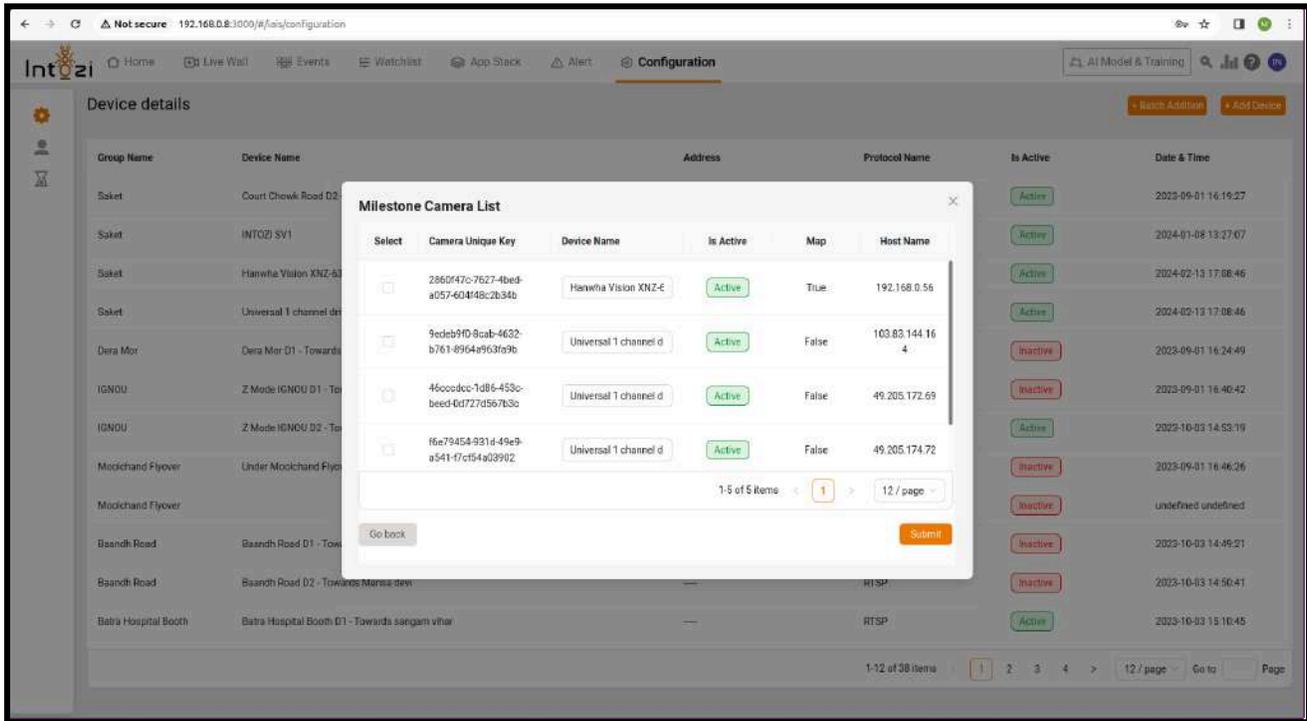
* Address: 192.168.0.34 * Latitude:

* Longitude: * Username: sanskar

* Password:

Cancel Submit

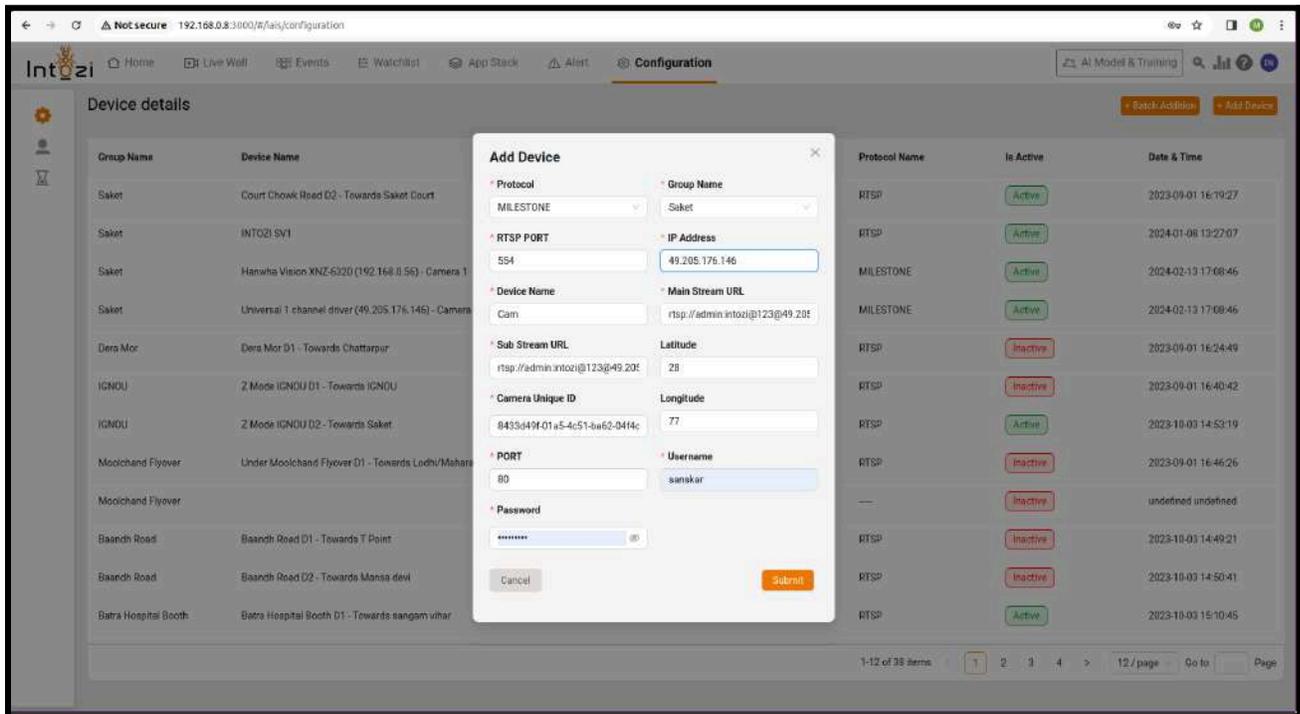
- Enter the IP address along with the username and password of the basic user of the server IP.
- A full list of all the available cameras in XProtect will be displayed. We can either select one, some, or all the cameras.



- After selecting the cameras, click submit.

Adding single camera

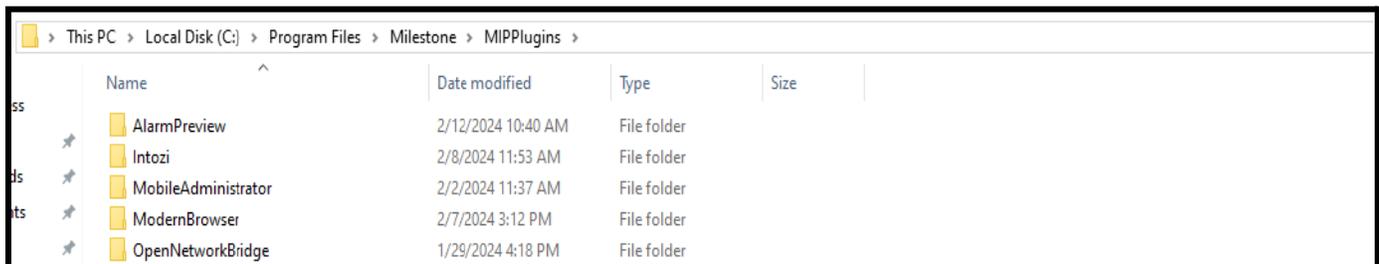
- Click on '+Add Device'



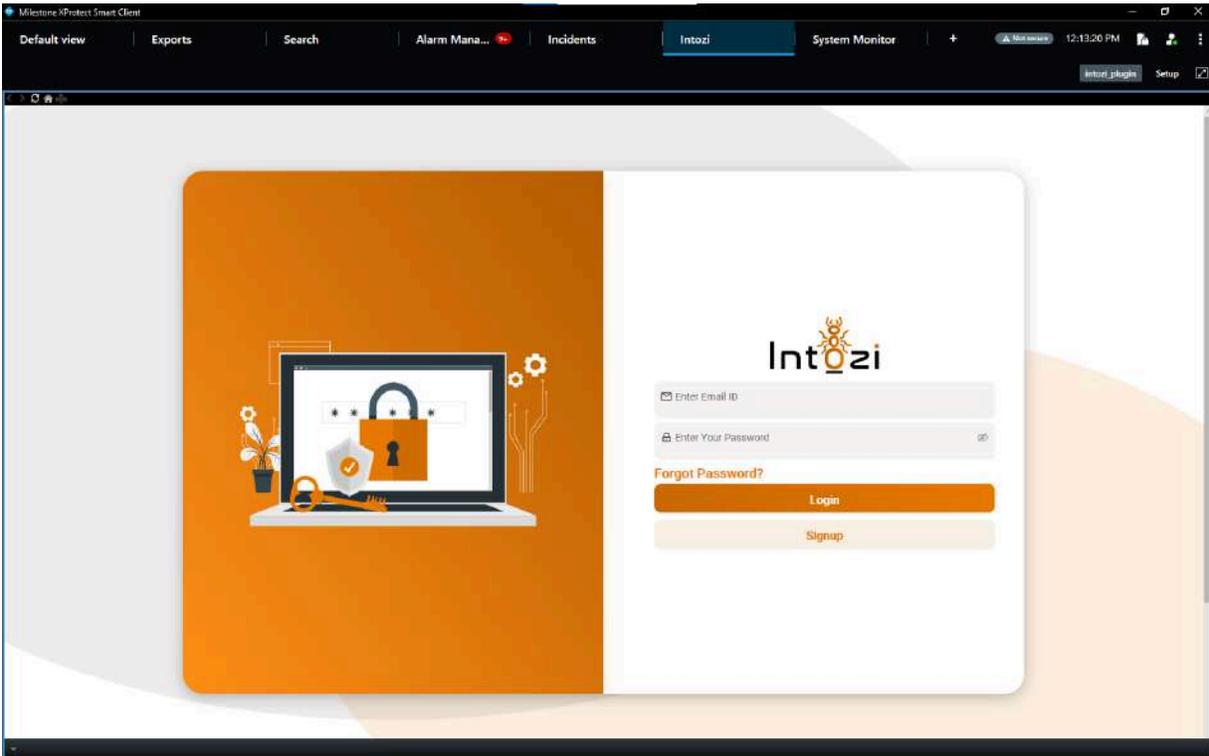
- After filling out the details, click on the submit button.

Alarm Preview plugin and Intozzi Plugin

We will move the Alarm Preview plugin and Intozzi plugin to the Milestone installed path on our server.



Intoz Plugin View in Smart Client



Intoz Plugin View in Smart Client

Vehicle Number	DL3CCE3257
Vehicle Class	CAR
Vehicle Confidence	0.52
Timestamp	2/13/2024 6:08:14 PM
Vendor Name	INTOZI (KSHANJA)
Device Name	1 CHANNEL DRIVER (49 205 176 140)

Quick Filters	Alarm	No. Alarm	Time	Priority Level	State Level	State Name	Message	Source	Own ID	Prp	Category	Level	C. Rule	Vendor	Tag	Type	Object
▼ New (122)			6:08:14 PM 2/13/2024	1	1	New	ANPR	Universal 1 channel driver (49 205 176 140) - Camera 1	7154	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	DL3CCE3257
▼ In progress (1)			6:08:15 PM 2/13/2024	1	1	New	ANPR	Universal 1 channel driver (49 205 176 140) - Camera 1	7152	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	None
▼ On hold (0)			6:08:25 PM 2/13/2024	1	1	New	ANPR	Universal 1 channel driver (49 205 176 140) - Camera 1	7132	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	DL2C120
▼ Closed (0)			6:26:11 PM 2/13/2024	1	1	New	ANPR	Universal 1 channel driver (49 205 176 140) - Camera 1	7131	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	D_300CAR
			6:30:07 PM 2/13/2024	1	1	New	ANPR	Universal 1 channel driver (49 205 176 140) - Camera 1	7130	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	DLS06
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7129	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7128	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7127	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7126	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7125	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7124	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7123	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7122	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7121	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7120	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7119	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7118	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm
			6:09:55 PM 2/13/2024	1	1	New	Introspection	Hanultra Vision XN2-6320 (192 168 0 54) - Camera 1	7117	HQ	Alarm Definition	INTOZI (K)	Alarm Definition	INTOZI (K)		System Alarm	System Alarm

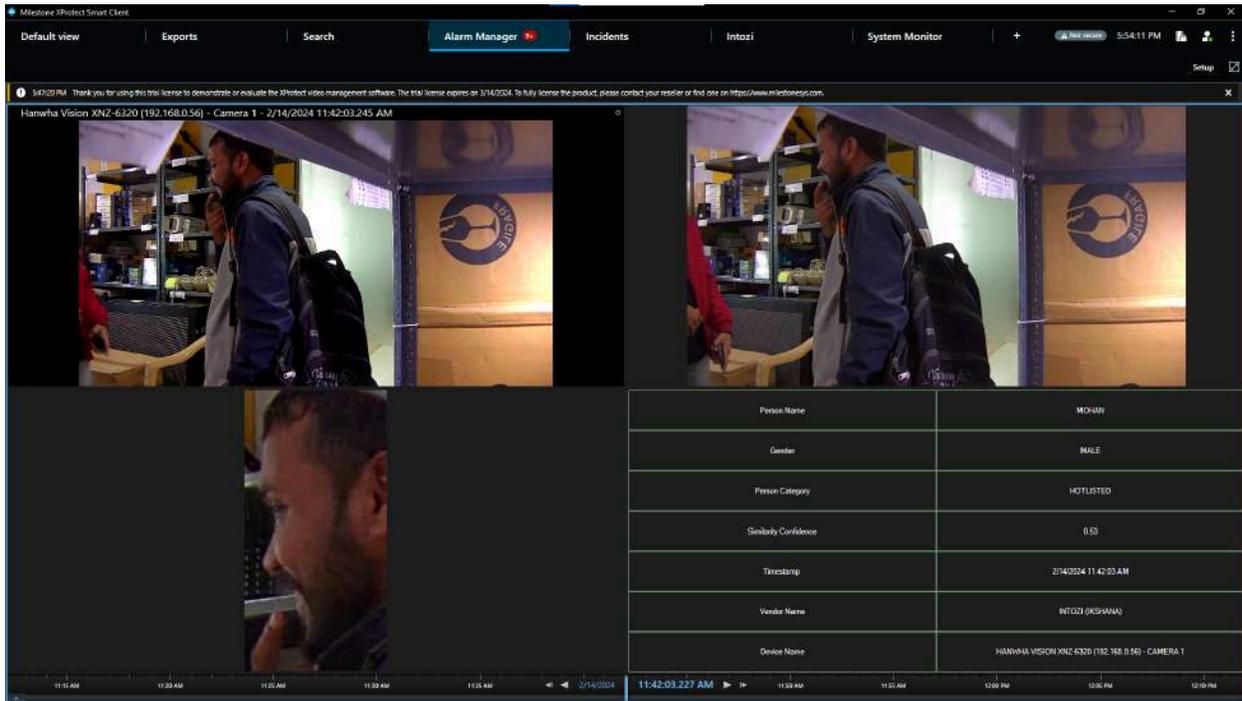
● Alarm Preview for ANPR

Vehicle Number	DL12CV4620
Vehicle Class	CAR
Vehicle Confidence	0.71
Timestamp	2/14/2024 4:36:37 PM
Vendor Name	INTOZI (KSHANA)
Device Name	UNIVERSAL 1 CHANNEL DRIVER (49.205.176.146) - CAMERA 1

● Alarm Preview for Intrusion Detection

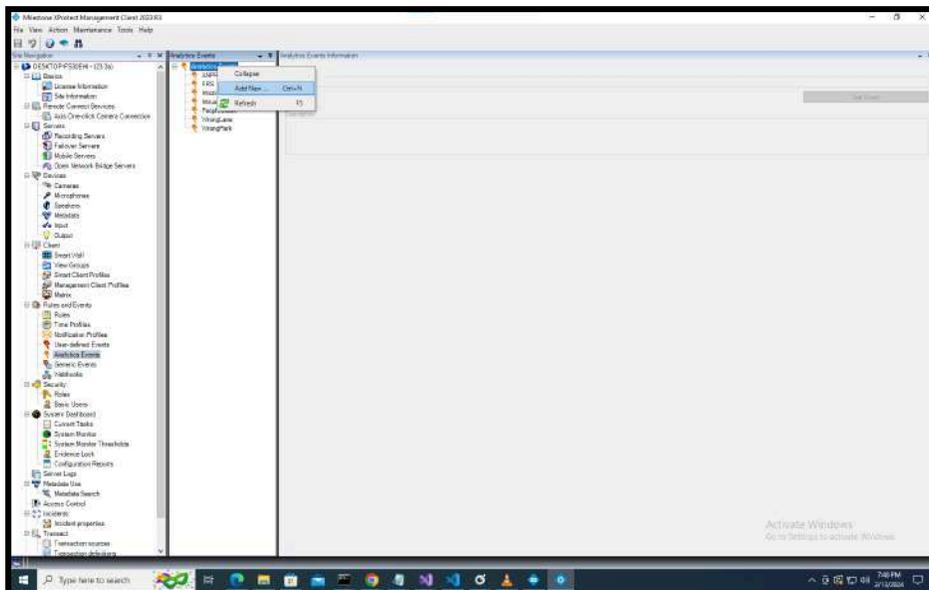
Timestamp	2/14/2024 5:48:06 PM
Vendor Name	INTOZI (KSHANA)
Device Name	HANWHA VISION XNZ-6320 (192.168.0.56) - CAMERA 1

- Alarm Preview for Face Detection

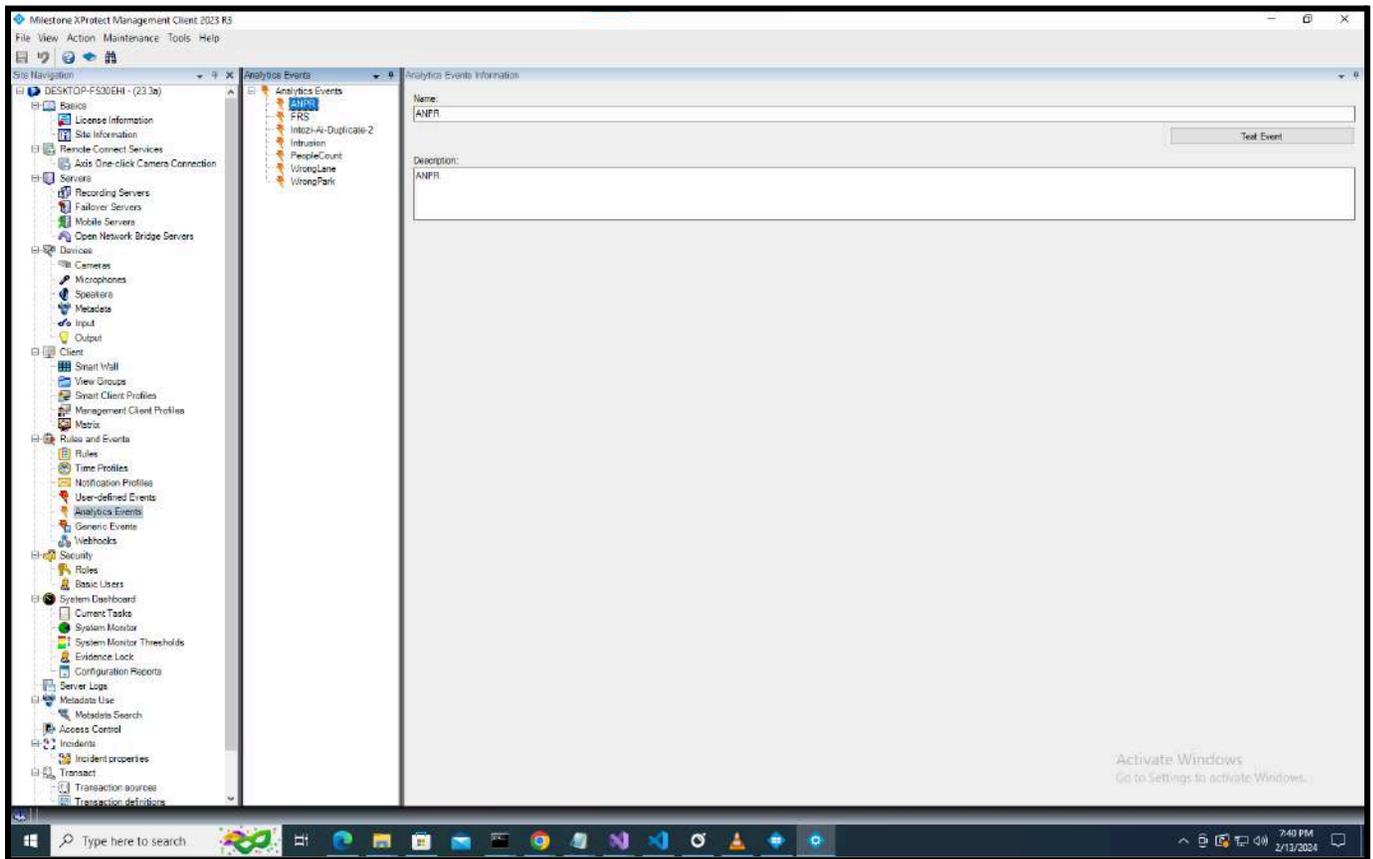


Configuration for the XProtect Management Client.

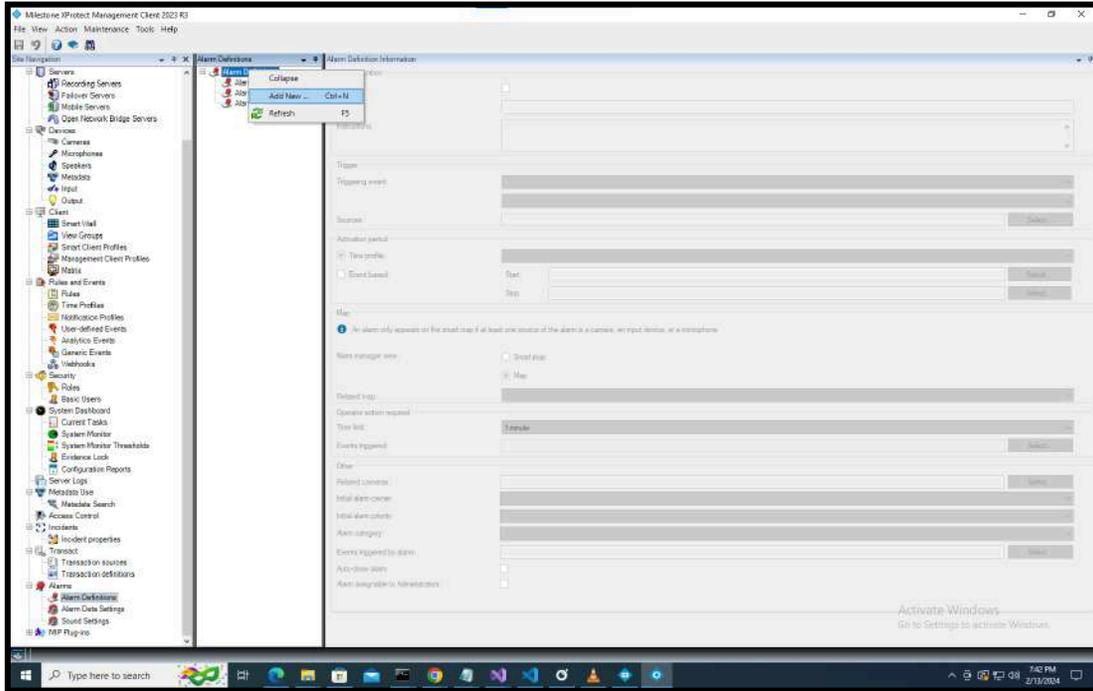
- Select Analytics Events under Rules and Events tab.
- Under the Analytics Events tab, right-click and select Add New to create a new event.



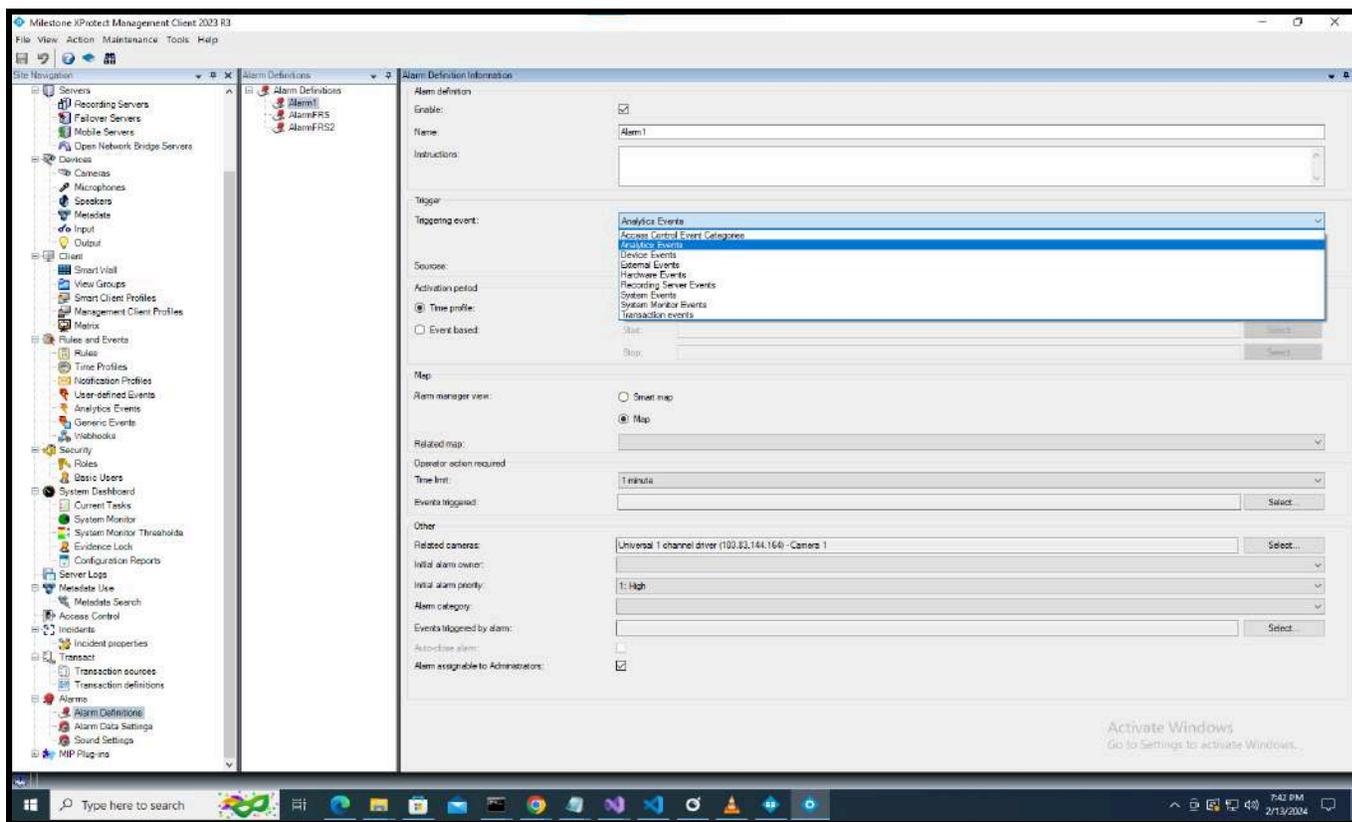
- Add a New Analytics Events



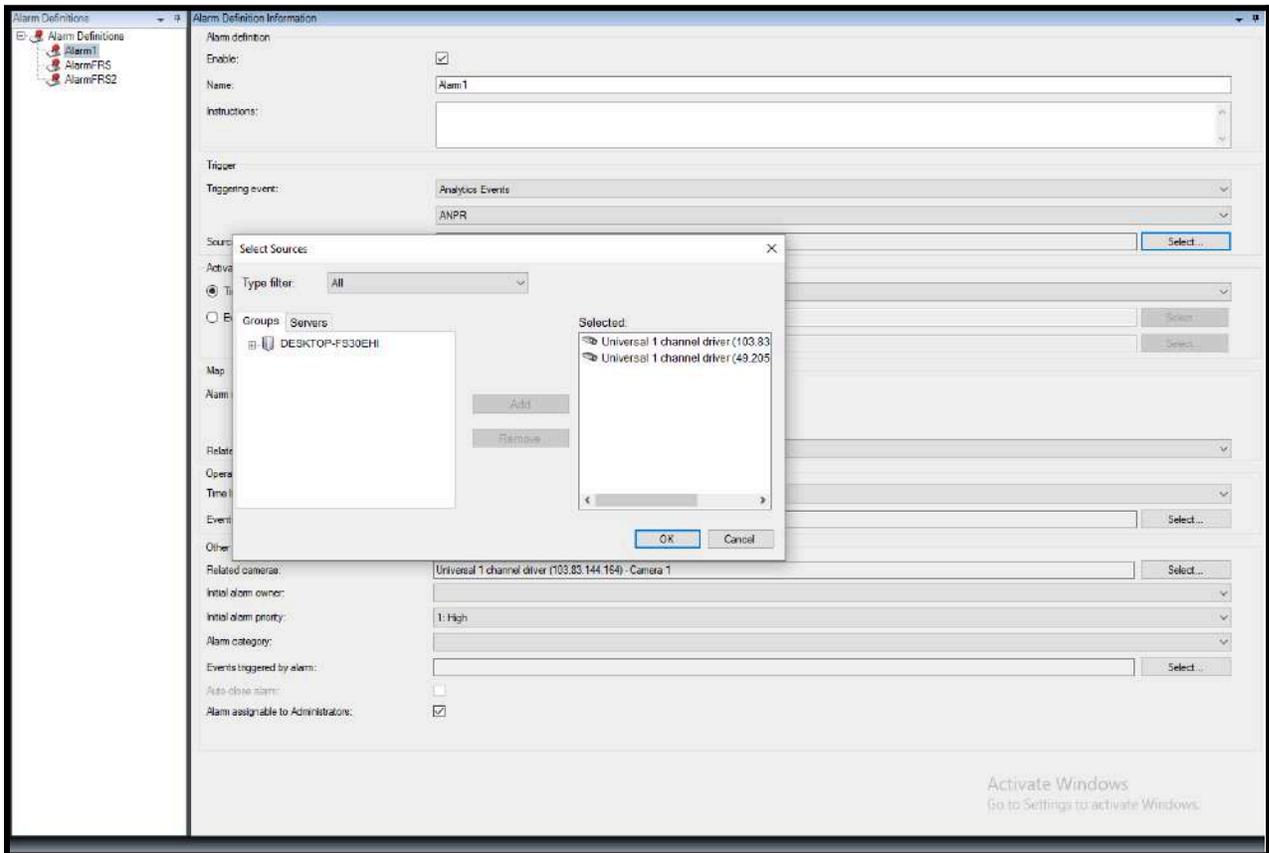
- Next , Create a new Alarm Event



- Now bind the alarm with the ANPR analytics event.



- Select the camera with which you want to bind the events.



Rules Definition for Events

- Rule definition is shown below for FRS event

Rule Information

Name: FRS_RULE

Description:

Active

Definition:

Perform an action on **FaceRecognitionSystem(FRS) (Analytics Events)** from **Hanwha Vision XNZ-6320 (192.168.0.56) - Camera 1** start recording **immediately** on **Hanwha Vision XNZ-6320 (192.168.0.56) - Camera 1** and Save attached images in database

Perform action **1 second after** stop recording **5 seconds after**