

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

Intozi Platform Version - Ikshana 1.0.1

Intozi Plugin Version - Intozi v1.0.0.0

Software Architecture

- Intozi 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.





Intozi 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,

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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.

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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



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

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- 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.

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• After selecting the cameras, click submit.

Adding single camera

• Click on '+Add Device'



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

Alarm Preview plugin and Intozi Plugin

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

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Intozi Plugin View in Smart Client

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• Alarm Preview for ANPR



Alarm Preview for Intrusion Detection





• 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





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• Next, Create a new Alarm Event



• Now bind the alarm with the ANPR analytics event.

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



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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 <u>Hanwha Vision XNZ-6320 (192.168.0.56) - Camera 1</u> and Save attached images in database
Perform action 1 second after
stop recording <u>5 seconds after</u>