

Isarsoft Perception
Milestone XProtect Integration

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Introduction

Isarsoft Perception provides an integration with Milestone XProtect to process video streams from Milestone XProtect in real-time and turn them into actionable insights. The integration is built up on the Milestone AI Bridge.

About

Isarsoft Perception

Isarsoft Perception is a video analytics software that provides actionable real-time insights from any camera or VMS.

Milestone XProtect

Milestone XProtect video management software brings all the puzzle pieces of a video surveillance installation together in a perfect combination to create a solution that keeps people and property safe today – and tomorrow.

Milestone AI Bridge

The Milestone AI Bridge is an API Gateway made specifically for Video Analytics and Artificial Intelligence Applications. It simplifies the integration and deployment of AI and video analytics applications and ensures access to video and the return of events and metadata. Easily extend XProtect with Video Analytics capabilities.

Minimum Software Requirements

Isarsoft Perception v3.6.0

Milestone XProtect Expert or XProtect Corporate Version 2022 R1

Milestone AI Bridge v.1.2.0

Support

For any questions regarding the Milestone XProtect Integration do not hesitate to contact us.

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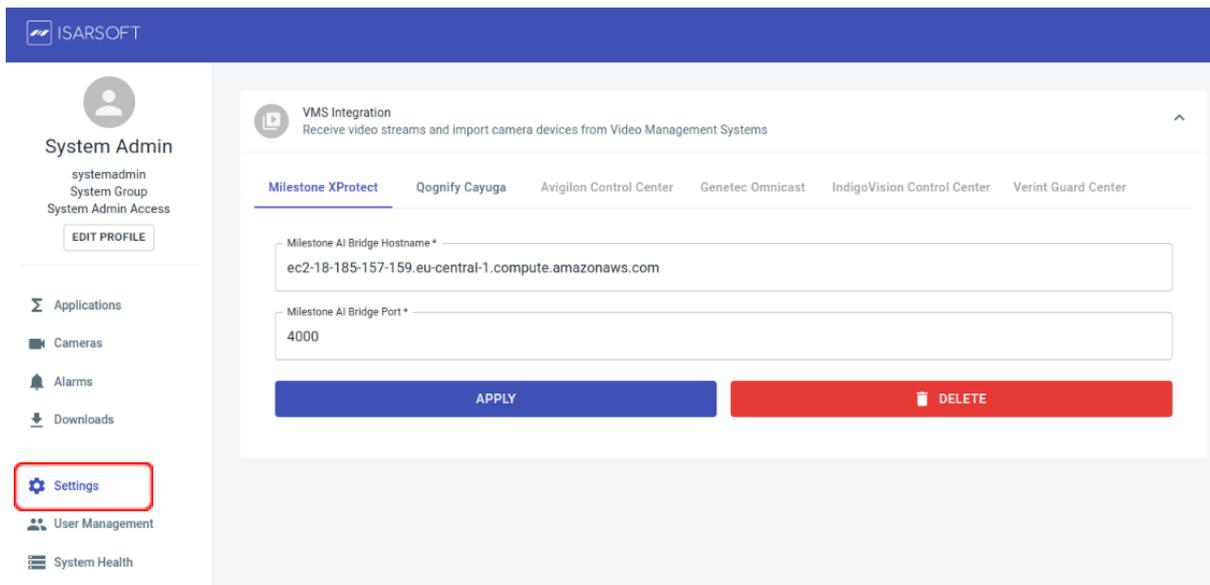
Mail: support@isarsoft.com

Installation

After having installed Milestone XProtect, Milestone AI Bridge and Isarsoft Perception please follow the following instructions.

VMS Integration Settings

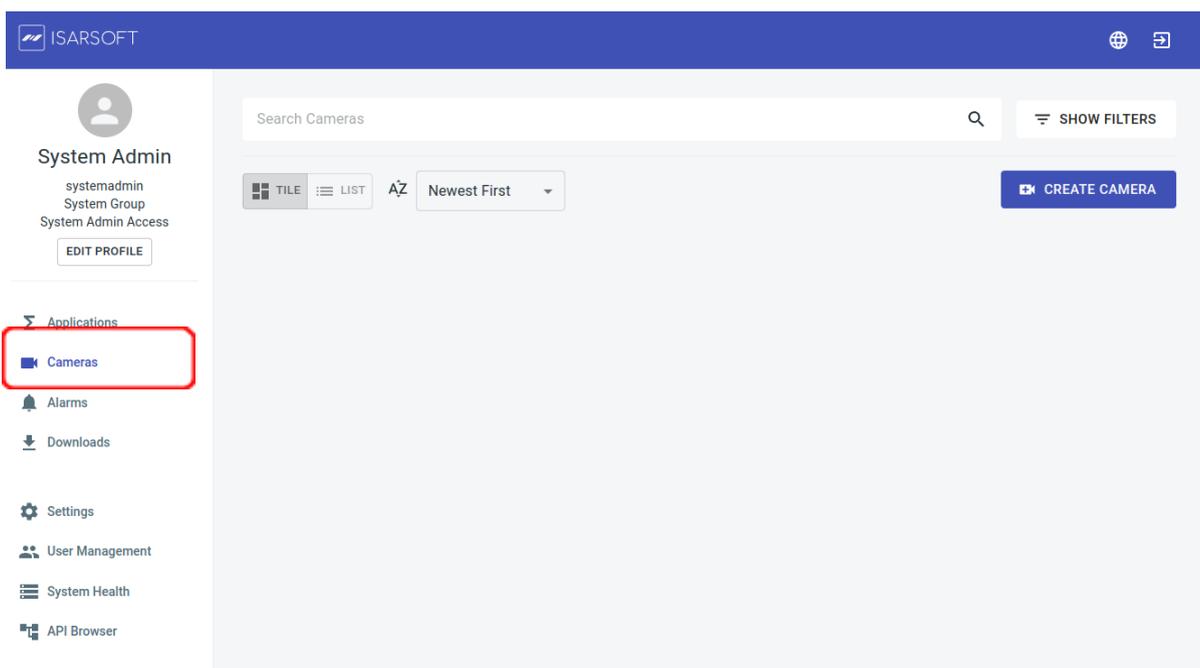
In the **Settings** Tab, fill the details of Milestone AI Bridge Hostname and Milestone AI Bridge port and click on **apply**.



The screenshot shows the ISARSOFT user interface. On the left is a sidebar with a user profile for 'systemadmin' and a menu with 'Settings' highlighted in a red box. The main content area is titled 'VMS Integration' and contains a sub-header 'Receive video streams and import camera devices from Video Management Systems'. Below this are several tabs: 'Milestone XProtect', 'Qognify Cayuga', 'Avigilon Control Center', 'Genetec Omnicast', 'IndigoVision Control Center', and 'Verint Guard Center'. The 'Milestone XProtect' tab is active, showing two input fields: 'Milestone AI Bridge Hostname *' with the value 'ec2-18-185-157-159.eu-central-1.compute.amazonaws.com' and 'Milestone AI Bridge Port *' with the value '4000'. At the bottom of the form are two buttons: a blue 'APPLY' button and a red 'DELETE' button.

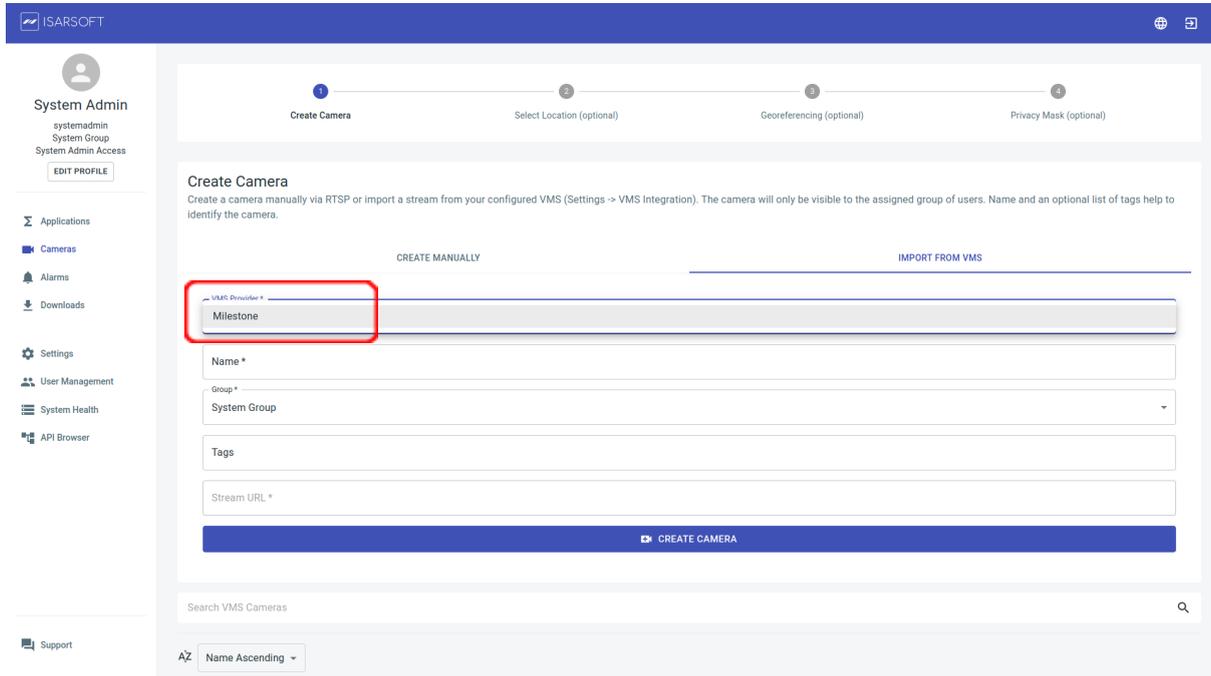
Add Camera from VMS

To add the cameras from Milestone XProtect, go to the **Cameras** Tab and click on the **CREATE CAMERA** button.

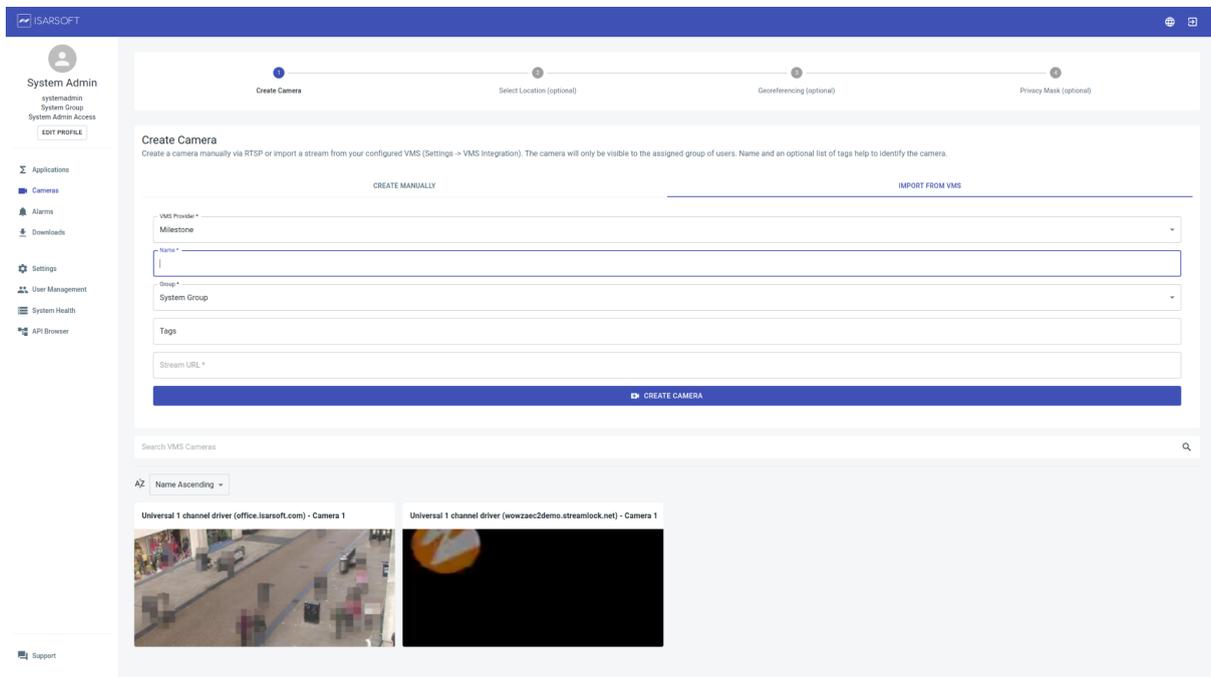


The screenshot shows the ISARSOFT user interface for the 'Cameras' section. The sidebar on the left has 'Cameras' highlighted in a red box. The main content area features a search bar with the text 'Search Cameras', a search icon, and a 'SHOW FILTERS' button. Below the search bar are view options: 'TILE', 'LIST', 'A-Z', and a dropdown menu set to 'Newest First'. A blue 'CREATE CAMERA' button is located in the top right corner of the main content area.

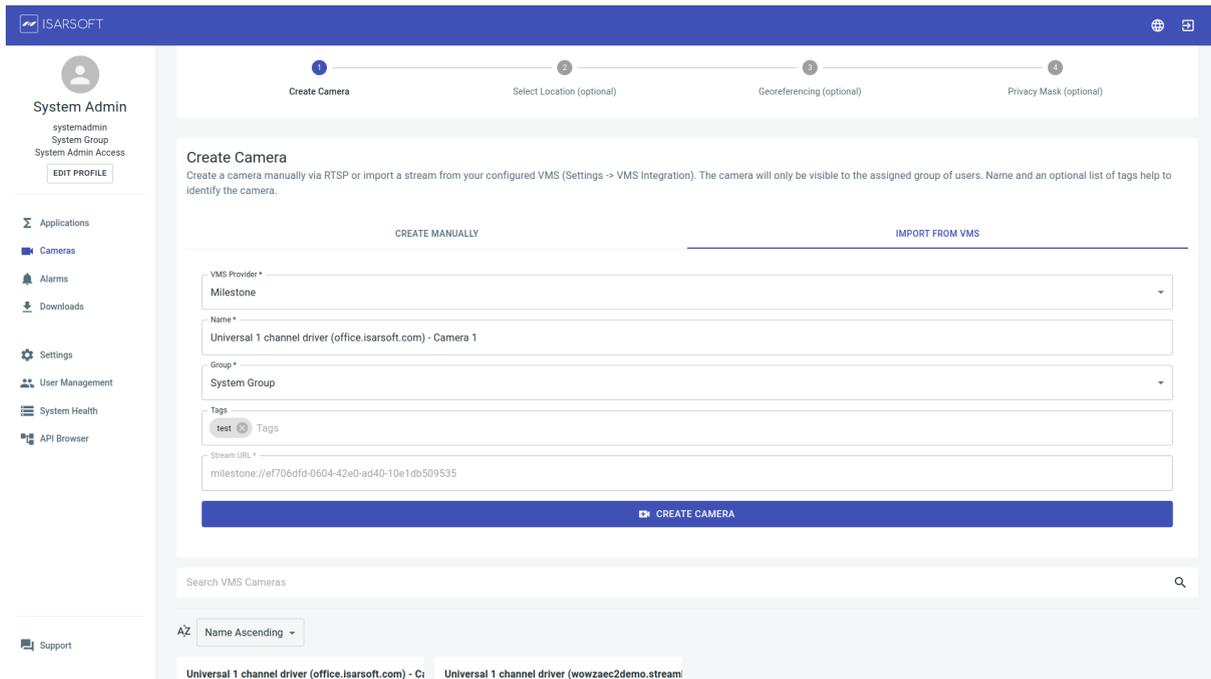
In the create camera option, click on **IMPORT FROM VMS** tab and select Milestone as VMS Provider.



Once Milestone is selected, all available cameras from Milestone XProtect are displayed with their respective preview images. After clicking on a preview card the Stream URL and Camera Name are automatically filled in.



Clicking on **CREATE CAMERA** completes the creation of the camera.

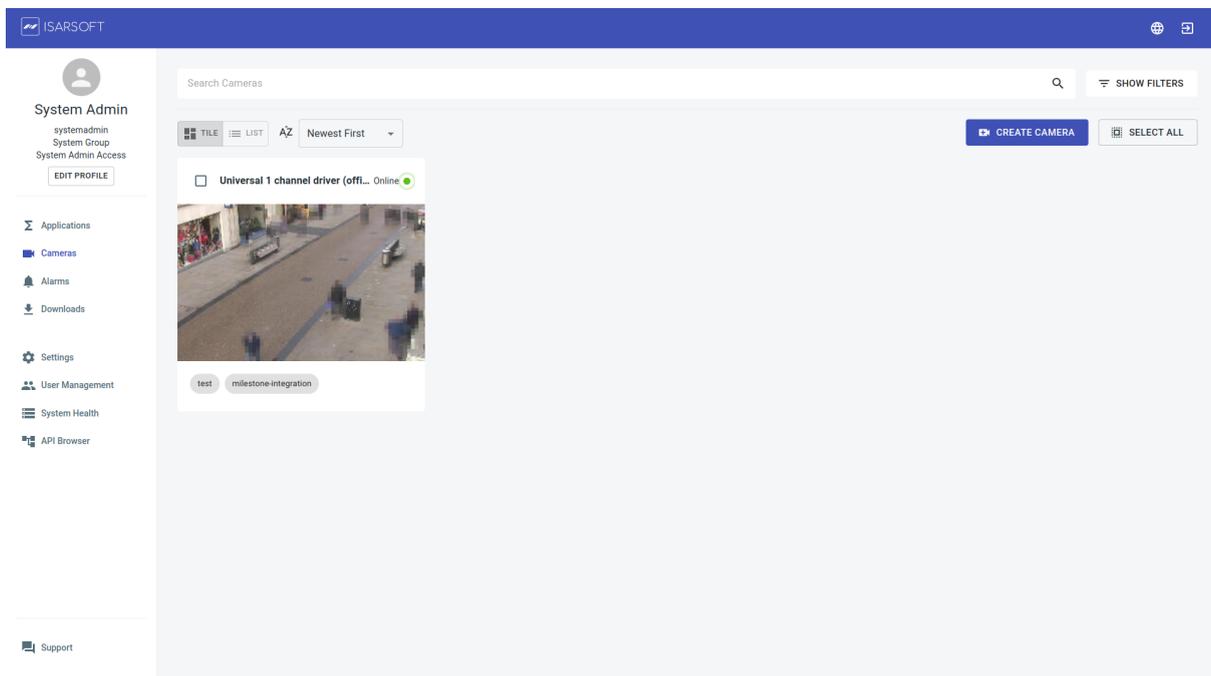


The screenshot shows the 'Create Camera' form in the ISARSOFT interface. The form is titled 'Create Camera' and includes a progress bar at the top with four steps: 1. Create Camera, 2. Select Location (optional), 3. Georeferencing (optional), and 4. Privacy Mask (optional). The form fields are as follows:

- VMS Provider ***: Milestone
- Name ***: Universal 1 channel driver (office.isarsoft.com) - Camera 1
- Group ***: System Group
- Tags**: test
- Stream URL ***: milestone://e1706dfg-0604-42e0-ad40-10e1db509535

At the bottom of the form is a blue button labeled 'CREATE CAMERA'. Below the form is a search bar for 'Search VMS Cameras' and a dropdown menu for 'AZ Name Ascending'. The search results show two entries: 'Universal 1 channel driver (office.isarsoft.com) - C...' and 'Universal 1 channel driver (wowzaec2demo.stream)'.

Once the camera is successfully added, we can see it in the **camera** tab and it is available to be analysed.



The screenshot shows the 'Camera' tab in the ISARSOFT interface. The interface includes a search bar for 'Search Cameras', a 'SHOW FILTERS' button, and a 'CREATE CAMERA' button. The camera list shows one entry: 'Universal 1 channel driver (offi... Online)' with a green status indicator. Below the entry is a video thumbnail showing a street scene with people and a car. The video has two tags: 'test' and 'milestone-integration'.