



# Installation and Operating Guide

## Milesight Plugin for Genetec

Version: V2.0.0.1  
Date: 2026-07-02

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# Revision History

<b>Version</b>	<b>Revision</b>	<b>Date</b>
V1.0.0.1	Smart Search	2026.03.02
V2.0.0.1	<ol style="list-style-type: none"><li>1. New Plugin Configuration Interface Available, Allowing Action Management</li><li>2. Direct Camera Web Page Login through Genetec</li><li>3. More Attributes Available on Metadata</li><li>4. Event ROI Display and Config on Security Desk Available</li><li>5. Plugin Privilege Management Available</li></ol>	2026.07.02

# Chapter 1. Introduction

Using Milesight's advanced plugin, Genetec's video management software integrates seamlessly with Milesight cameras to enhance operational efficiency. The plugin acquires the AI metadata stream from Milesight cameras, supporting Live View, Playback, and the drawing of target tracking boxes. It enables human/vehicle and attribute-based searches for Milesight Video Surveillance products using VCA metadata, and vehicle/license plate and attribute-based searches for Milesight Intelligent Traffic products using LPR metadata. Each metadata entity is transmitted as an individual object to Genetec. These objects can be viewed, searched, enabling centralized management through the Genetec, and achieving smarter and faster monitoring.

Besides, Milesight plugin has its exclusive dashboard for Milesight camera connection, action management, audio file management and plugin properties management. Through this dashboard, you could utilize Milesight camera with its potentials as much as possible. This User Guide provides an overview of the integration between Milesight's plugin and Genetec for capturing and analyzing. For a more thorough understanding of how the Genetec handles AI metadata, we encourage you to consult the Genetec and its [VMS and camera applications manuals](#).

If you have any questions, please do not hesitate to contact our Milesight Support Team at [support@milesight.com](mailto:support@milesight.com).

## *1.1 System Requirement*

### **[Supported Genetec VMS System Version]**

Genetec Security Center v 5.12.0.0 or above.

### **[Supported Operating Systems]**

Windows: 10, 11

### **[Supported Functionalities]**

You can get the detailed information from this link: [Genetec Compatibility Flyer](#).

## *1.2 Part Number*

The Part Number for the Milesight Plugin is "**GSC-1SDK-MILESIGHT-ANALYTICS**".

To use the Milesight Plugin, users need to apply for the corresponding license through Genetec's official channels. When applying for the license, please provide the Part Number of the Milesight Plugin.

Genetec will then generate and provide a license that enables the use of the Milesight Plugin. Once the license is activated on the Genetec VMS System, the Milesight Plugin can be used normally.

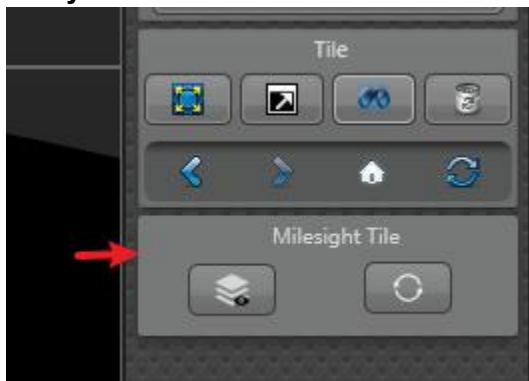
- For testing purposes only: Please request a Demo License from Genetec Channel Sales.
- For use in a production project environment: Please contact Genetec Channel Sales or your System Integrator to apply for and purchase a formal license.

**Note:**

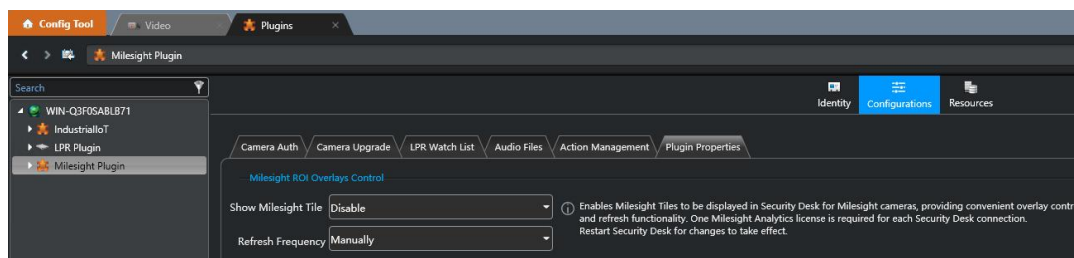
1. The Milesight Plugin is one (1) SDK CONNECTION per SYSTEM ID, which means the quantity to be applied for per system is 1. The diagram below is for reference only.

Product ID	Description	Quantity
GSC-5.13	Security Center Version 5.13.	1
GSC-Base-E	Genetec Security Center (GSC) Base Enterprise Package. Includes Synergis Enterprise Package with Access Manage support, Remote Security Desk, Badge Designer. Includes Omnicast Enterprise package with Archiving and Auxiliary Archiving support, Media Router, Audio, Remote Security Desk, Camera Sequences, Camera Blocking, Camera Dewarping, Fallover Cameras, Hardware Matrix Support, Time Zone, Edge recording, tricking and archive transfer, Keyboard and Joystick Support. Includes AutoVu Standard Package. Other features included: Threat Level module, Plan Manager Advanced for GIS Map servers with unlimited entities, Active Directory Integration, an authentication role, an Active Directory Federation services connection, Fallover Directory Role, Intrusion Manager Base, Sipella Base, Import Tool, Max Occupancy, Mustering Task, Visitor Management Module, Sipella Public Address, SIP Trunking, KiwiVision Video Analytics including 300 channels for Privacy Protector, Security Analytics and People Counter. Includes 5 client connections (Security Desk, Web or Mobile).	1
GSC-ISDK-MILESIGHT-ANALYTICS	One (1) Genetec SDK connection for Milesight China with Video Analytics	1
GSC-Om-E-1C	1 camera connection	10

2. In the V2.0.0.1, the plugin added new function called “Milesight Tile” When using the Milesight Tile in Security Desk - Monitoring (which controls whether Event ROI Overlays appear in each Video Tile), please be kindly noted that **each Security Desk login will consume one Milesight Analytics License**.



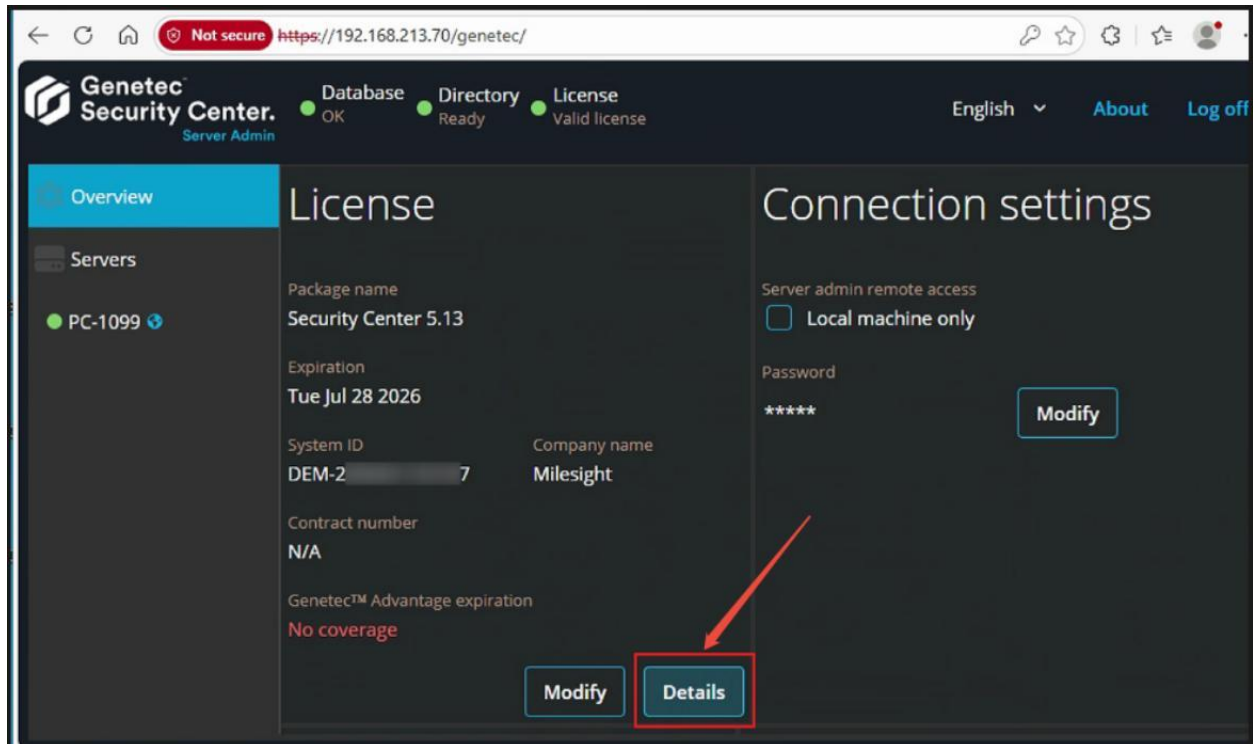
This setting can be modified under Config Tool - Plugin - Milesight Plugin - Configuration - Plugin Properties - Milesight ROI Overlays Control. You can disable this function if you don't want to use your Analytic License.



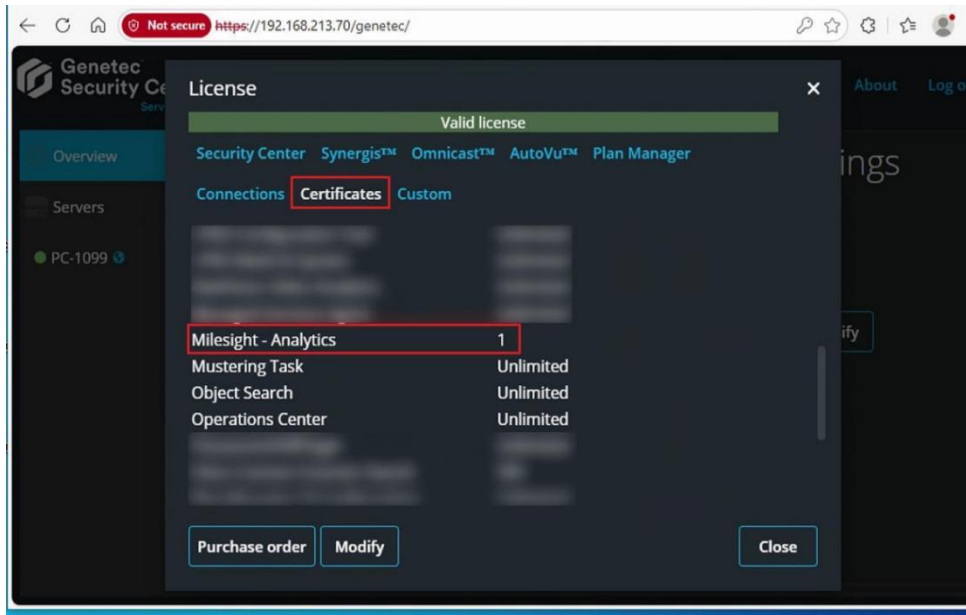
## 1.3 License Verification

Before installing and using the Milesight Plugin, you need to check whether the System License supports the Milesight Plugin. The steps are as follows:

**Step 1:** Access the Server Admin web page ([https://server\\_ip/genetec/](https://server_ip/genetec/)) and open the License Details.

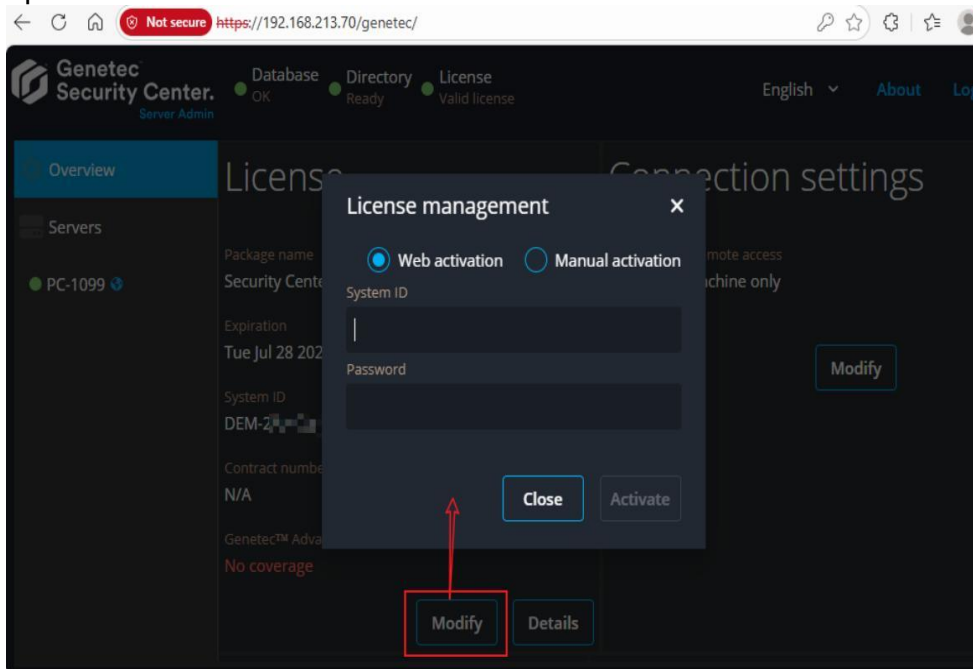


**Step 2:** Click the **Certificates** tab. If "Milesight Analytics" is included, the system supports running the Milesight Plugin.



**Step 3:** If "Milesight Analytics" is not included, please apply for a new license from Genetec that contains the Milesight Part Number "GSC-1SDK-MILESIGHT-ANALYTICS" ( please refer to [Section 1.2 Part Number \(page 1\)](#)), or request to add this Part Number to your existing license.

**Step 4:** After obtaining the new license, activate it in the system by performing an online update.



# Chapter 2. Installations

If you need, you can contact our Support Team to get the installation package of the Milesight Plugin or download the version from this link.

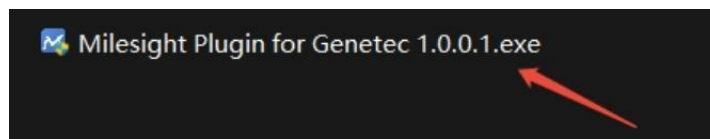
[https://image.milesight.com/VMS/partner\\_system/Genetec/Plugin/Milesight%20Plugin%20for%20Genetec%202.0.0.1.exe](https://image.milesight.com/VMS/partner_system/Genetec/Plugin/Milesight%20Plugin%20for%20Genetec%202.0.0.1.exe)

 **Note:**

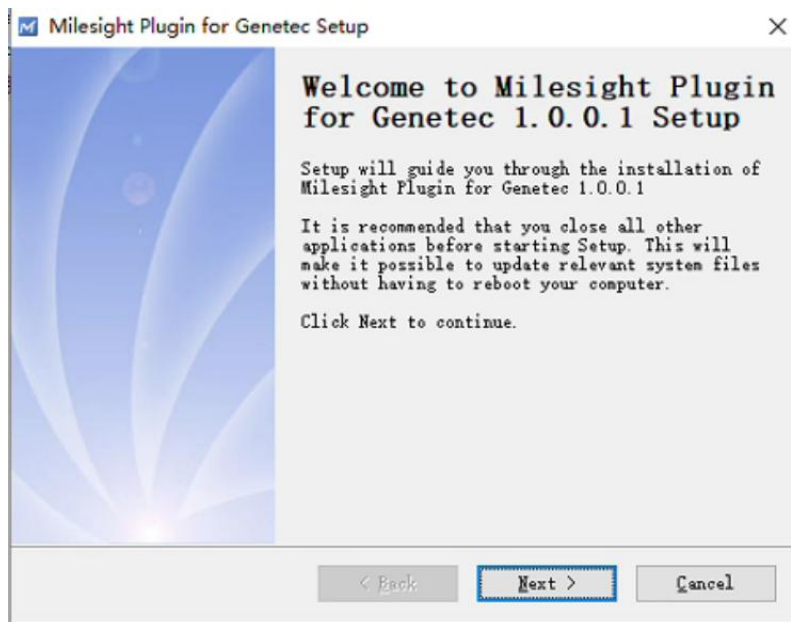
Part Numbers are linked to company information; thus, the neutral version is temporarily unavailable for external distribution.

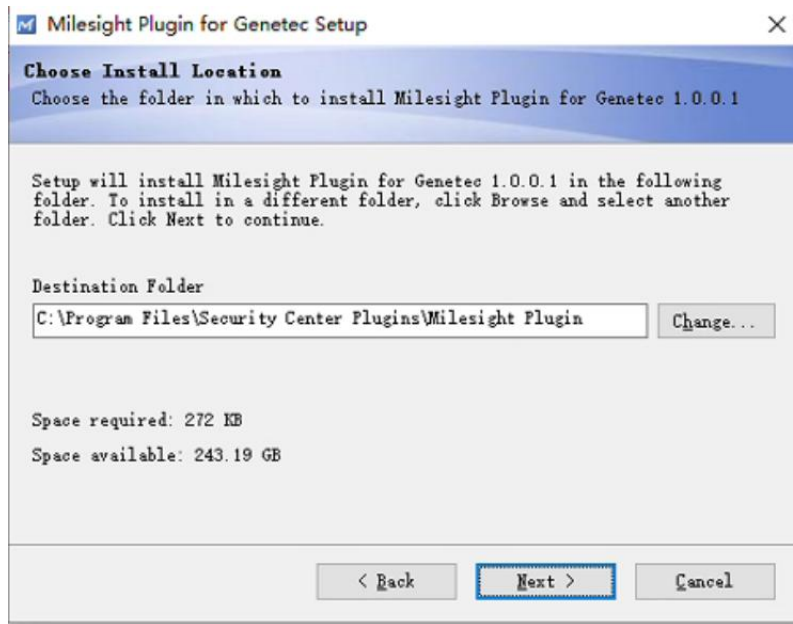
## 2.1 Windows Installation

**Step 1:** Click the installer file.

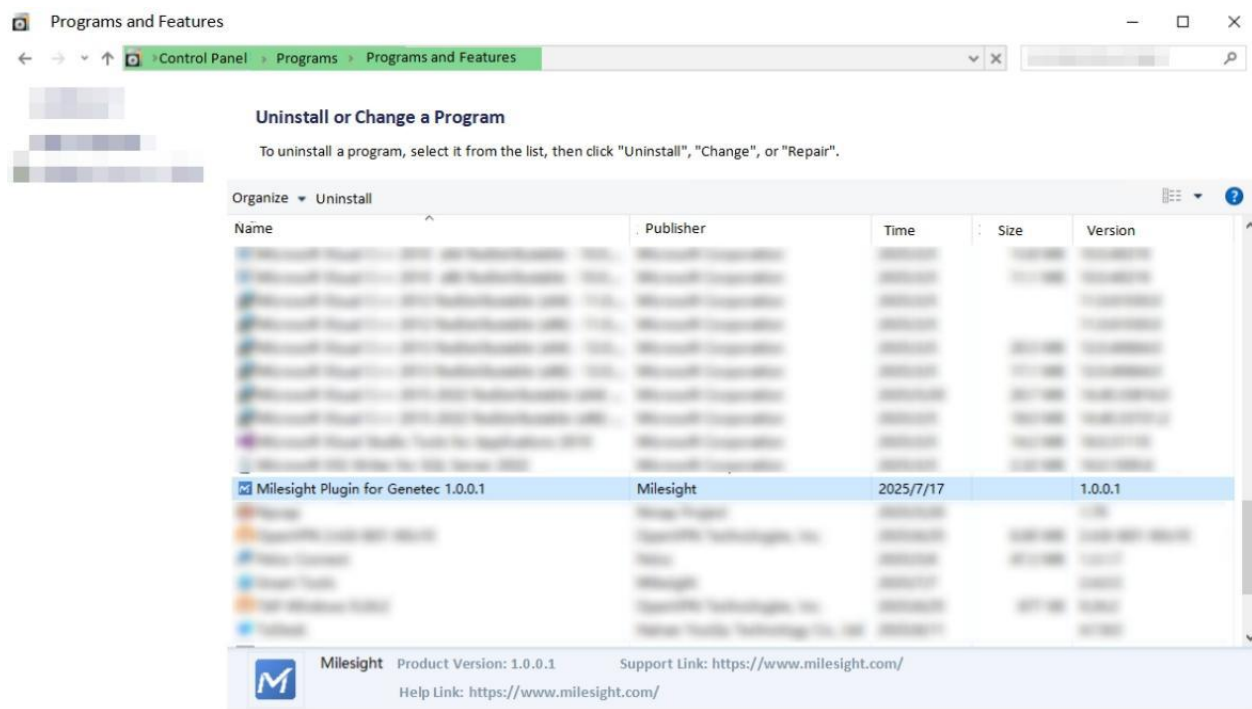


**Step 2:** Click "Next" and follow the on-screen instructions to install.





**Step 3:** After the installation is complete, the corresponding item will appear in the Windows Control Panel's list of installed programs. Users can also select and uninstall the plugin from this interface.

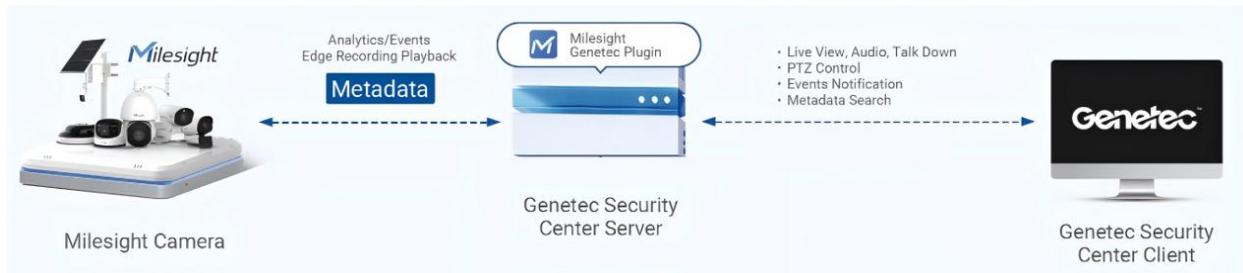


**Note:** If the Genetec VMS Server and Client are not running on the same computer, the plugin needs to be installed on both.

- During installation, the Server will automatically restart.
- During installation, the Client will not restart automatically, so you need to manually restart it for the plugin options to appear.

# Chapter 3. Metadata Utilization

This plugin allows users to search and retrieve Metadata generated by Milesight cameras within the Security Desk client, providing efficient access to valuable video analytics data. The workflow is shown in the picture below:



Genetec Security Center provides two client applications:

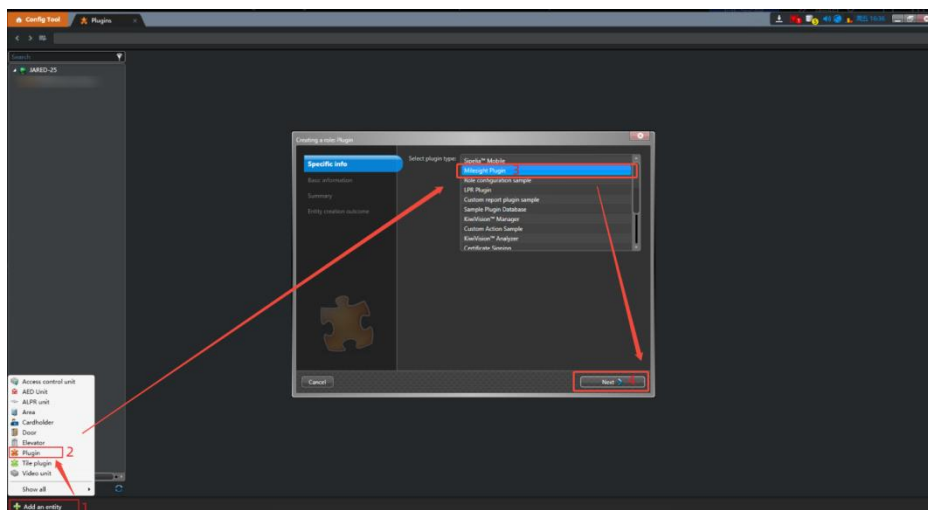
- **Config Tool:** Used for Server and System configuration (Administration Client), such as device addition/removal, user management, and other administrative tasks.
- **Security Desk:** Designed for end users to view live and recorded video, and to perform data searches within specific modules.

After installing the plugin, configuration and operation steps must be performed in both Config Tool and Security Desk to ensure proper functionality of the plugin.

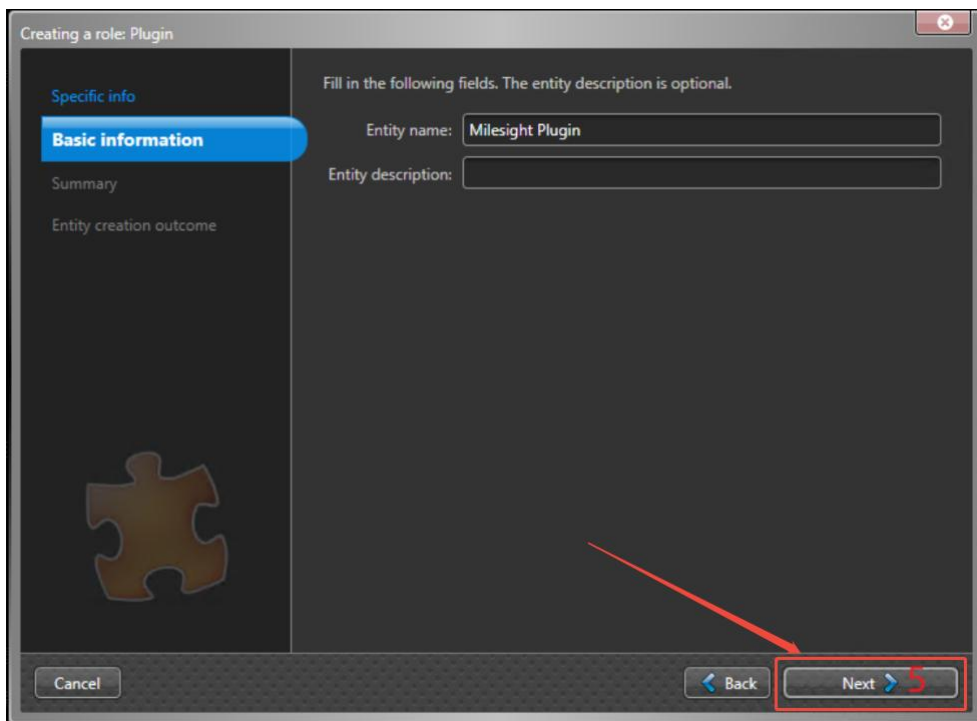
## 3.1 Add Plugin in Config Tool

The plugin must be added in Config Tool before it can be enabled on the Genetec Server. The configuration steps are as follows:

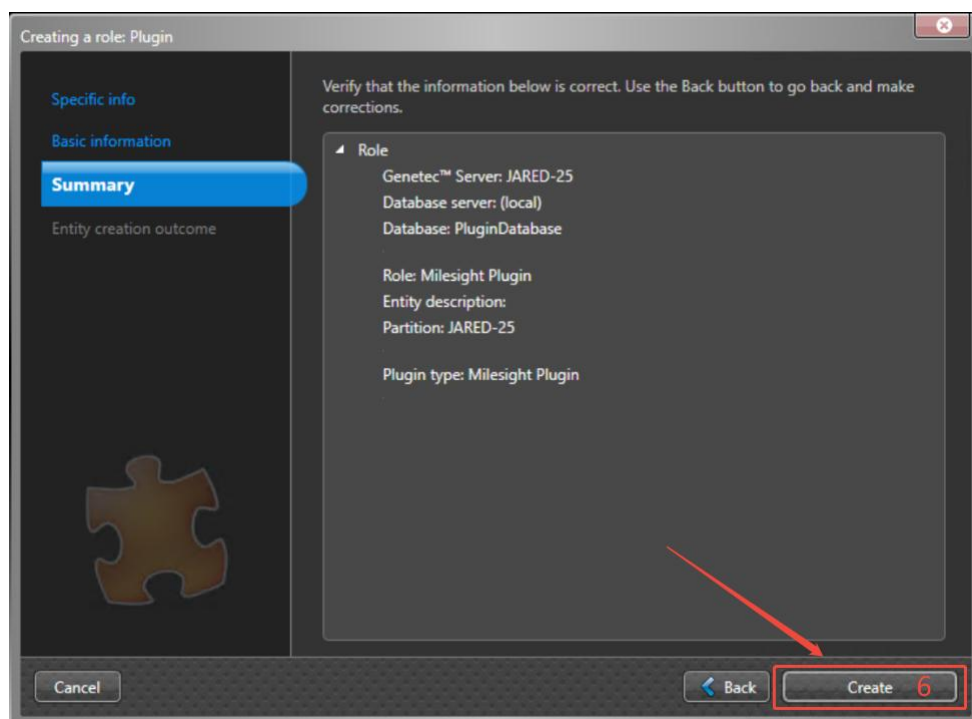
**Step 1:** In the bottom left corner of the interface, click  and select "Plugin". In the pop-up window, choose "Milesight Plugin" as the plugin type, then click "Next".



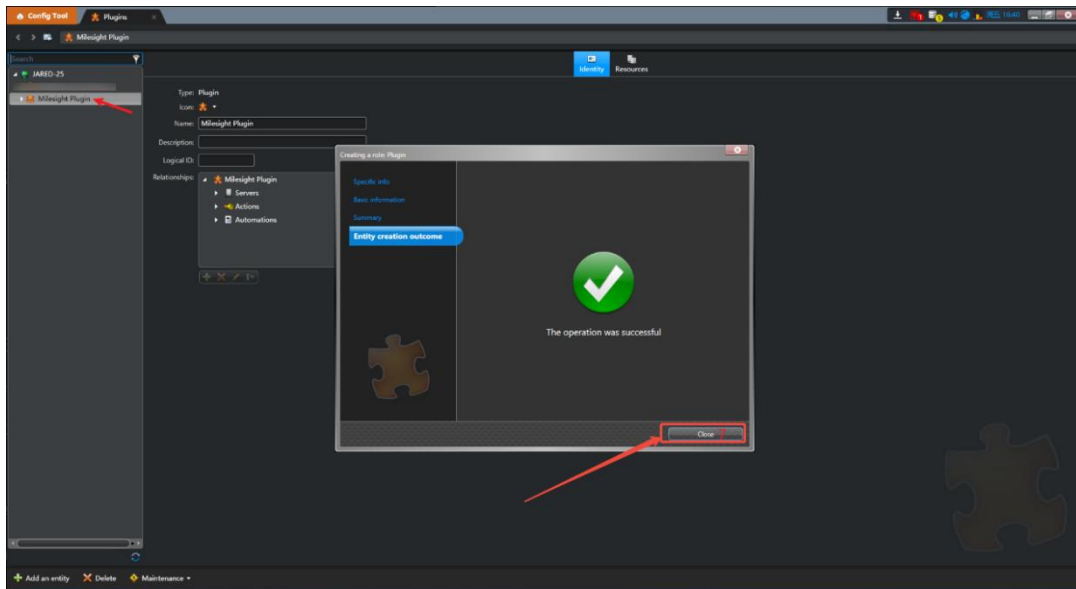
**Step 2:** On the **Basic Information** page, you can modify the entity's name and description if needed, then click "**Next**".



**Step 3:** Verify the information on the **Summary** page, then click "**Create**" to proceed.



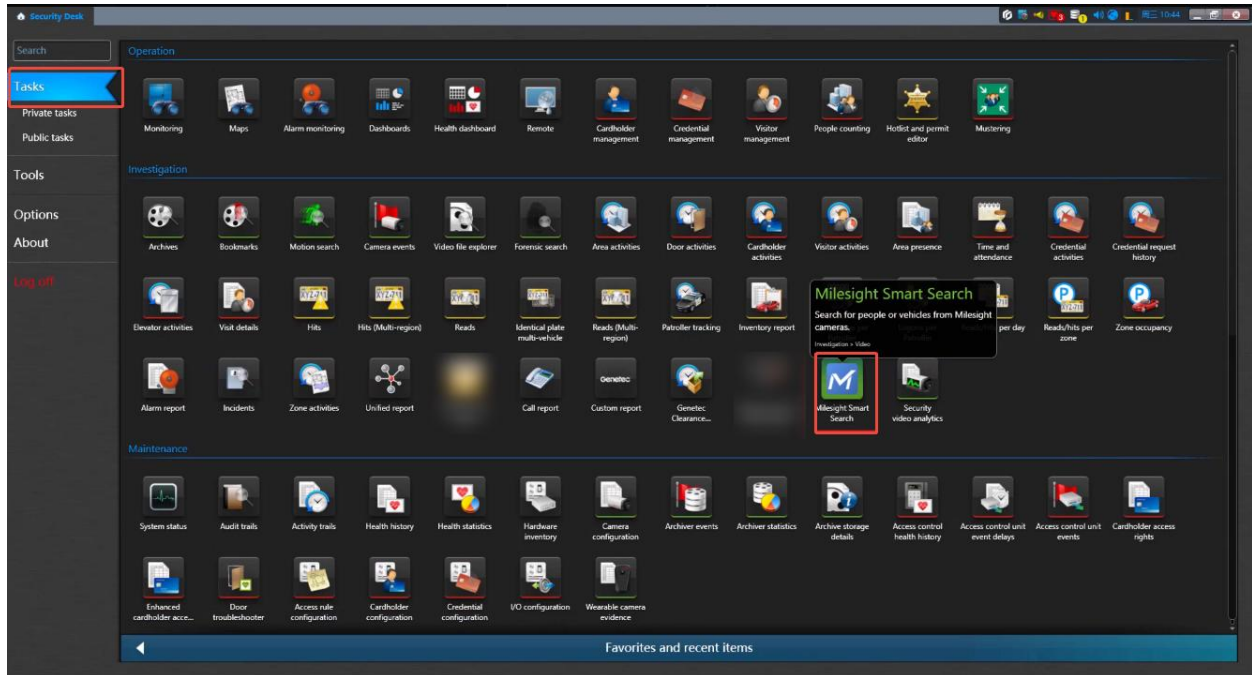
**Step 4:** After successful creation, you will see **Milesight Plugin** listed in the left sidebar. Finally, click "**Close**" to exit the creation window and complete the process.



## 3.2 Use Plugin in Security Desk

### Plugin Entry Point

After the plugin is installed, restart the Security Desk client. You will find the plugin's **Task** entry located under the **Investigation** section. Double-click to enter it.

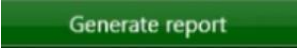


### Plugin Interface Overview

1. After entering the plugin interface, you will see the following layout. The filter criteria for attribute searches (see section 2 in the picture) are customized by the plugin, while other interface elements remain Genetec's native components.

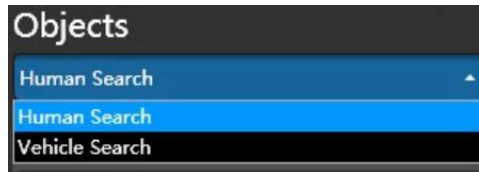


**Table 1. Description of Sections**

Section	Description
Section 1	Select the data source (camera) to search.
Section 2	Set the filter criteria for the data search; this section is defined and implemented by the plugin.
Section 3	Specify the time range for filtering results. (After configuring the above three sections, click the  button at the bottom to search.)
Section 4	Display the list of search results.
Section 5	Preview and play the video for the selected result. The control panel appears on the right.

**2. Attribute Search Criteria:**

Section 2 allows you to customize filter conditions for searching VCA/LPR Metadata generated by Milesight cameras and pushed to Genetec. The filter options are grouped into two main categories—**Human** and **Vehicle**—as shown below:

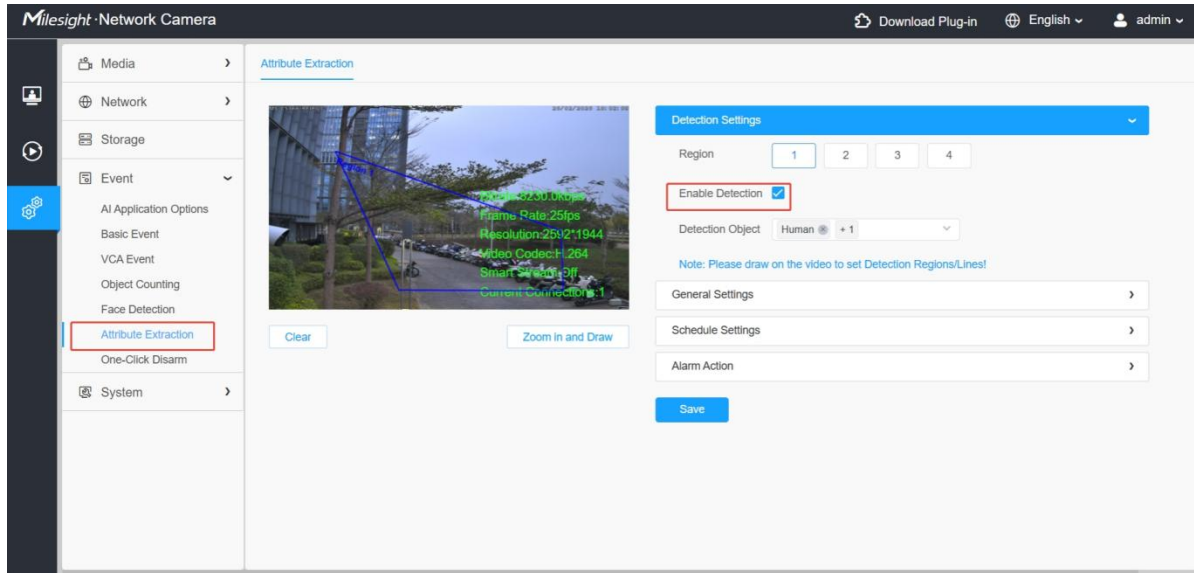


### 3.3 Configure Object Attribute Recognition

After completing the plugin installation and configuration, you need to enable the Attribute Extraction on the device side to obtain the camera's attribute recognition results. The detailed steps are as follows:

#### Milesight Video Surveillance

**Step 1:** Visit the web page of the camera and enable **Attribute Extraction**.

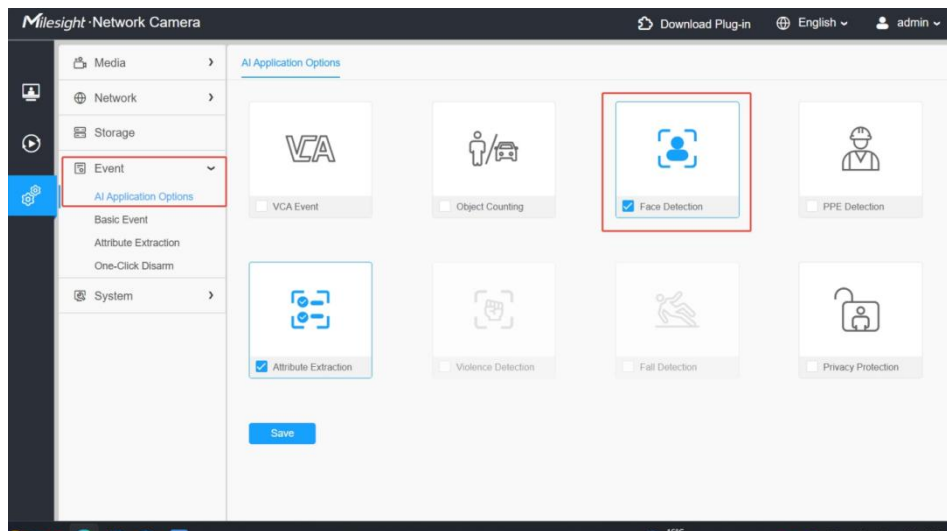


#### Note:

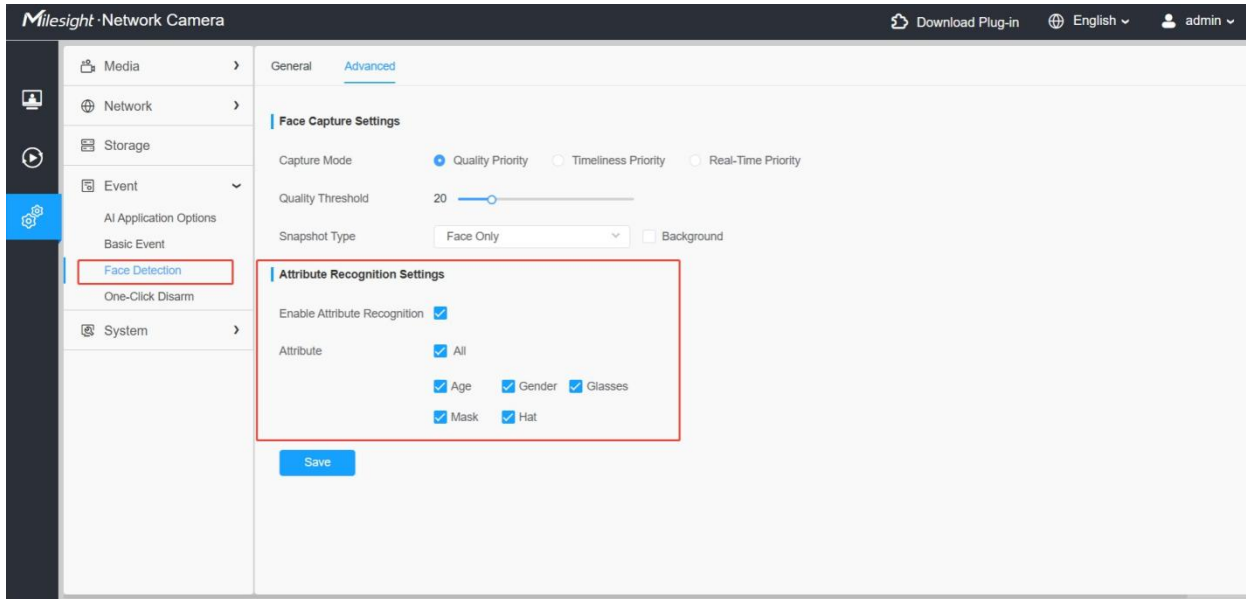
Milesight Video Surveillance Series with **Attribute Extraction** enabled can recognize Human objects (attributes include Hat, Upper Clothing Color, Lower Clothing Color) and Vehicle objects.

**Step 2:** Enable **Face Detection**.

Go to the **Event - AI Application Options** interface to enable **Face Detection**.



Then, click on **Face Detection** to configure attribute recognition settings.

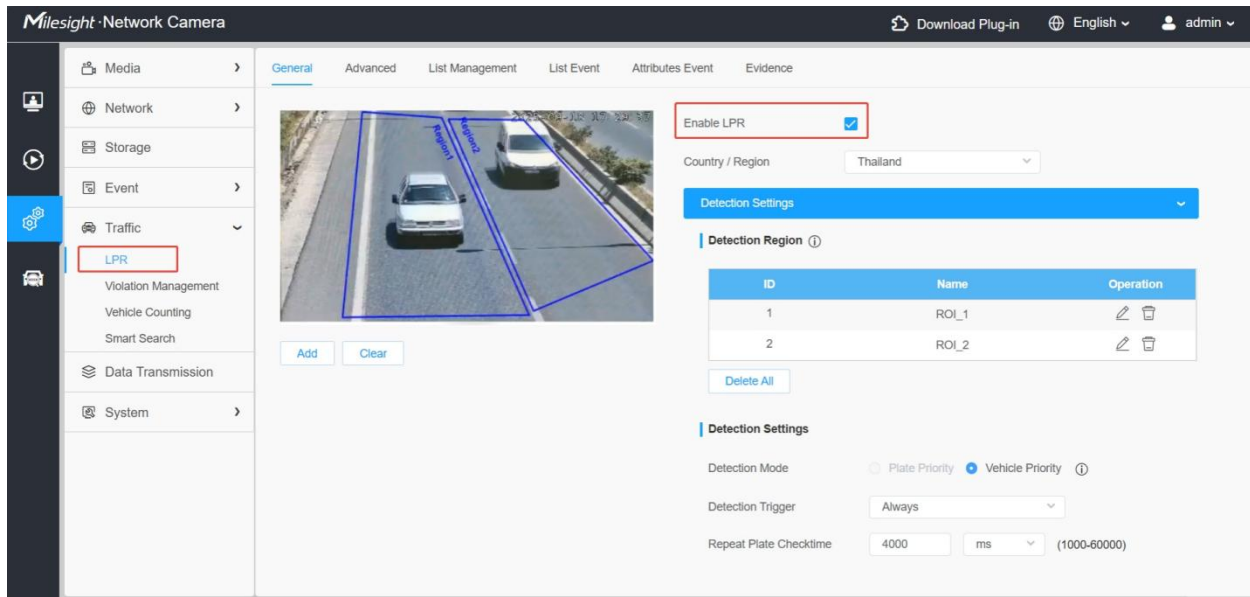


### Note:

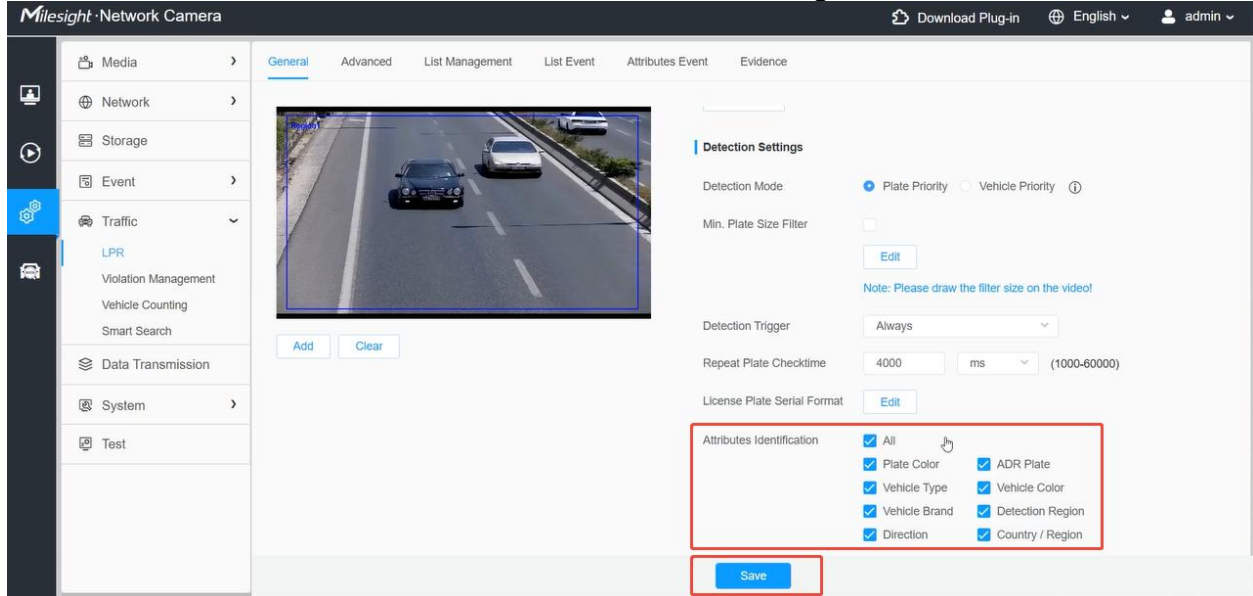
MileSight Video Surveillance Series with **Face Detection** enabled and Attribute selected support Face-related attributes for Human objects (including Age, Gender, Glasses, Mask, Hat).

## Intelligent Traffic Series

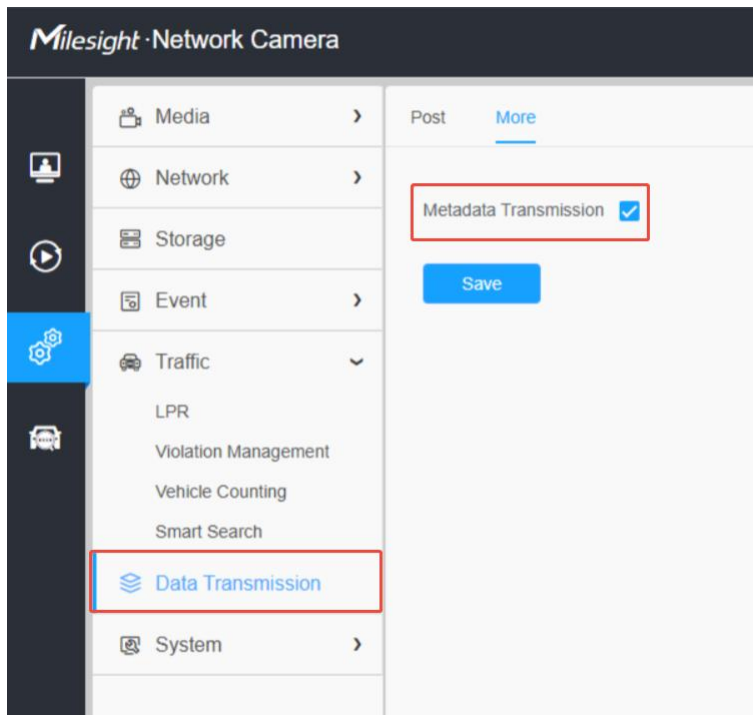
**Step 1:** Visit the web page of the camera and enable LPR detection.



Then select the attributes to be detected and save the configuration.



PS. Please ensure that the Data Transmission is enabled.



After completing the above settings, if object attributes are detected, the object's attribute information will be pushed in real-time.

### 3.4 Set the System Time

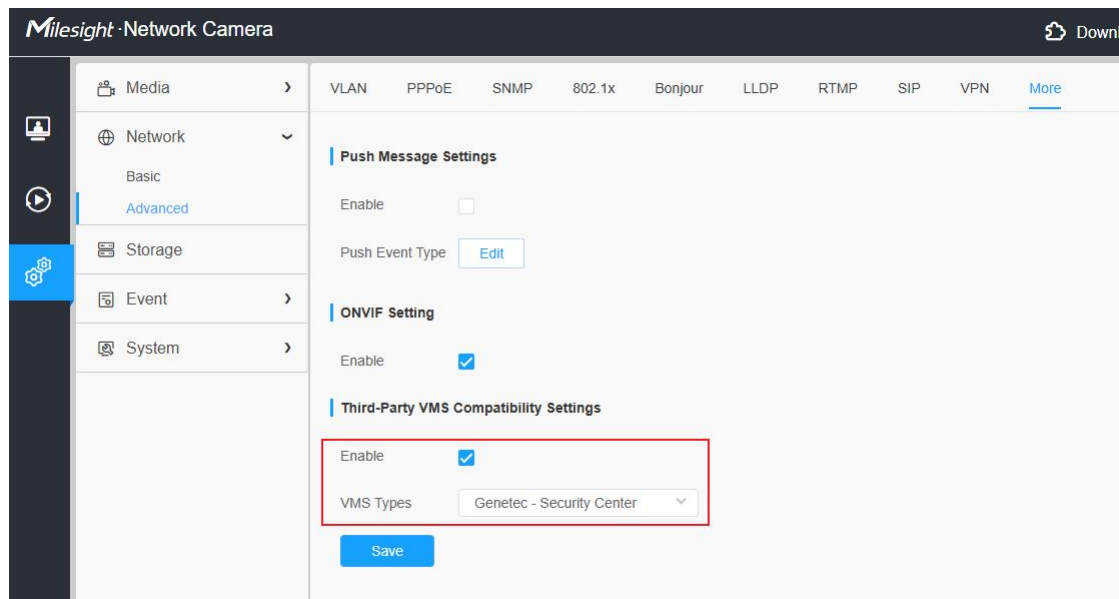
Before viewing the detection results, please ensure that the camera's system time is the same as the Genetec VMS. (You can set both the Camera and the Genetec Server to synchronize their time via an NTP Server, or configure the Camera's time to synchronize with the computer time on the host where the Genetec Server is located.)

The screenshot displays the 'Date&Time' configuration interface. It is divided into two main sections: 'Current System Time' and 'Set the System Time'.  
- **Current System Time:** Shows the current date as 22/04/2025 and the current time as 14:22:41.  
- **Set the System Time:** Contains several configuration options:  
 - **Time Zone:** A dropdown menu set to '(UTC+08:00) China(Beijing, Ho)'.  
 - **Daylight Saving Time:** A dropdown menu set to 'Automatic'.  
 - **Synchronize Mode:** Three radio buttons are present: 'NTP server' (unselected), 'Manual' (unselected), and 'Synchronize with computer time' (selected).  
 - **Date:** A text field showing '22/04/2025'.  
 - **Time:** A text field showing '14:19:36'.  
 - **Save:** A blue button at the bottom left of the configuration area.

## 3.5 Configure VMS Type

Besides, before adding the camera to Genetec VMS, please go to **Network - Advanced - More** to enable **VMS Type** and set it to **Genetec - Security Center**. Then, add the device to the VMS.

The following uses Milesight Video Surveillance camera web interface as an example:



The purpose of this configuration is:

1. For PTZ cameras, it enables Pattern compatibility.
2. For traffic cameras, it allows the data format in Custom Template (Import File mode) to be quickly adapted to the interface fields of the Genetec 3rd Party ALPR Plugin.

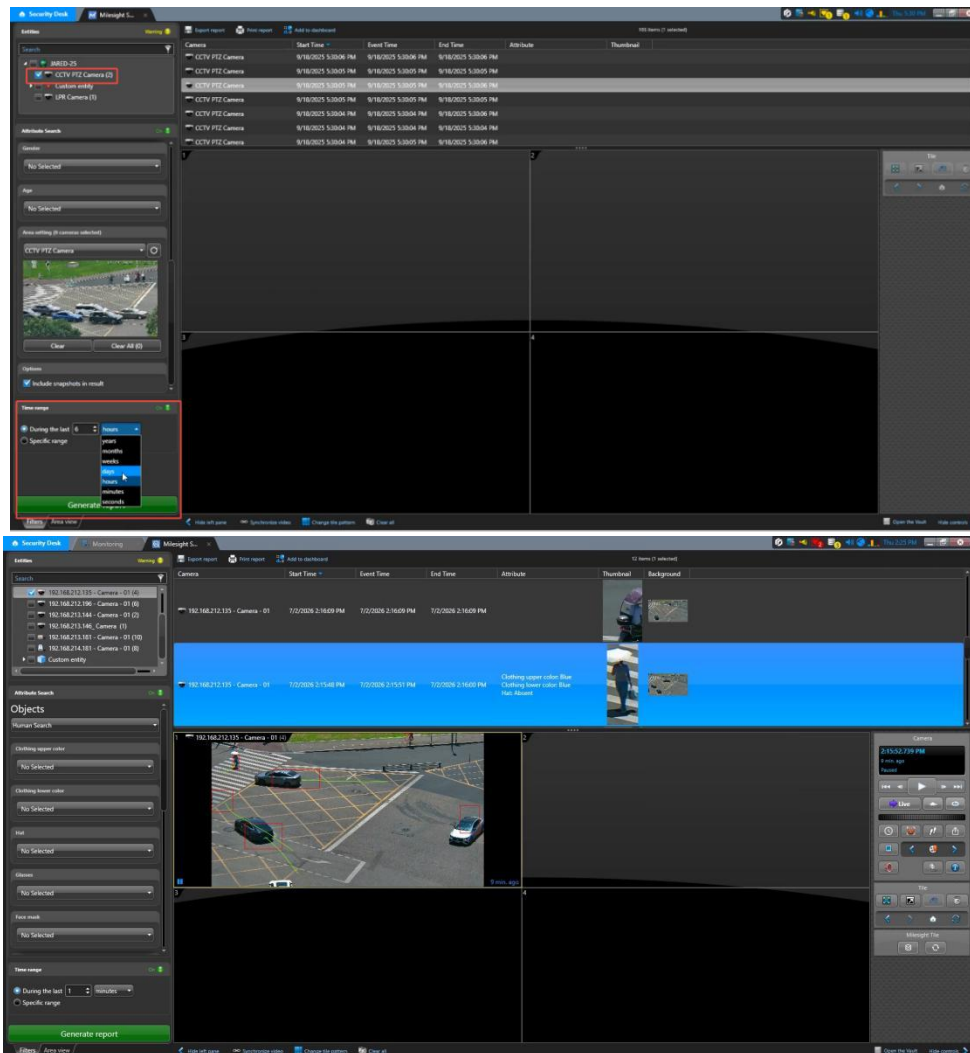
## 3.6 Viewing the Detection Results

### Searching for Detection Results

The method for searching detection results is the same for both Mileight Video Surveillance and Mileight Intelligent Traffic cameras. In this section, Mileight Video Surveillance cameras are used as an example.


Steps are as follows:

Select the camera and time period from the **"Time Range"** section at the left side of the interface, then click **Generate report** to retrieve the relevant detection results.



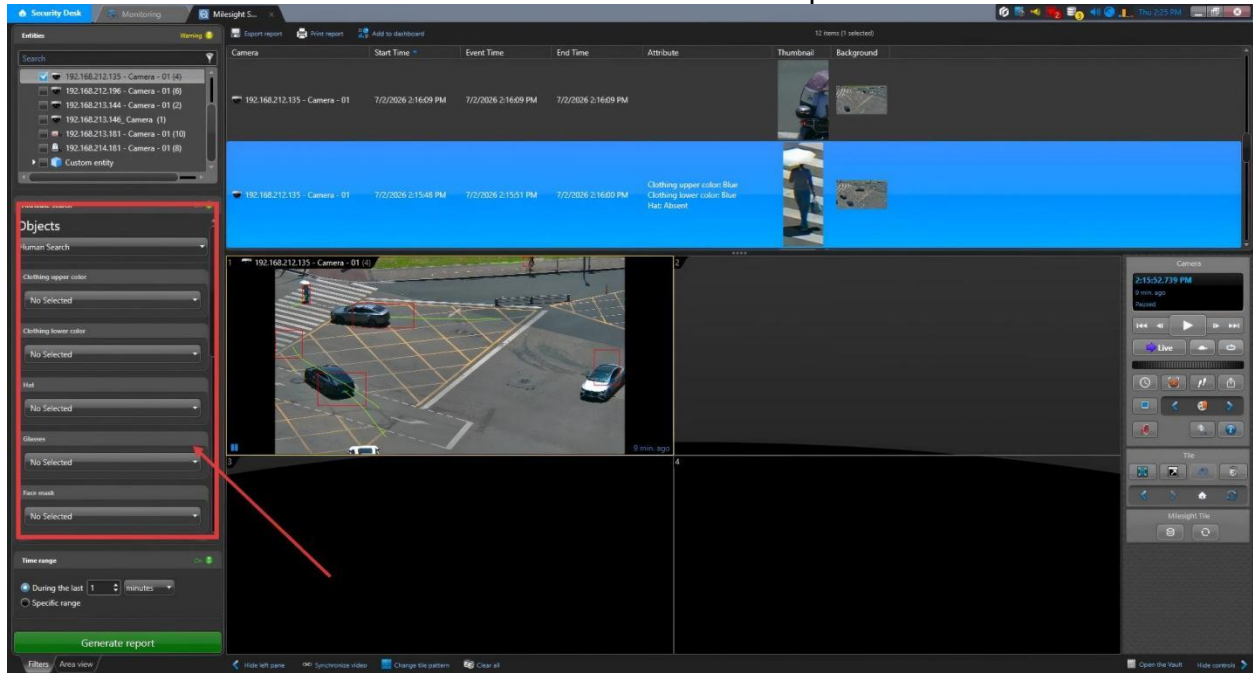
### 3.7 Metadata Search

The Milesight Plugin allows user to specify the search criteria for accurate metadata searches. A set of attribute-specific filters is shown below.

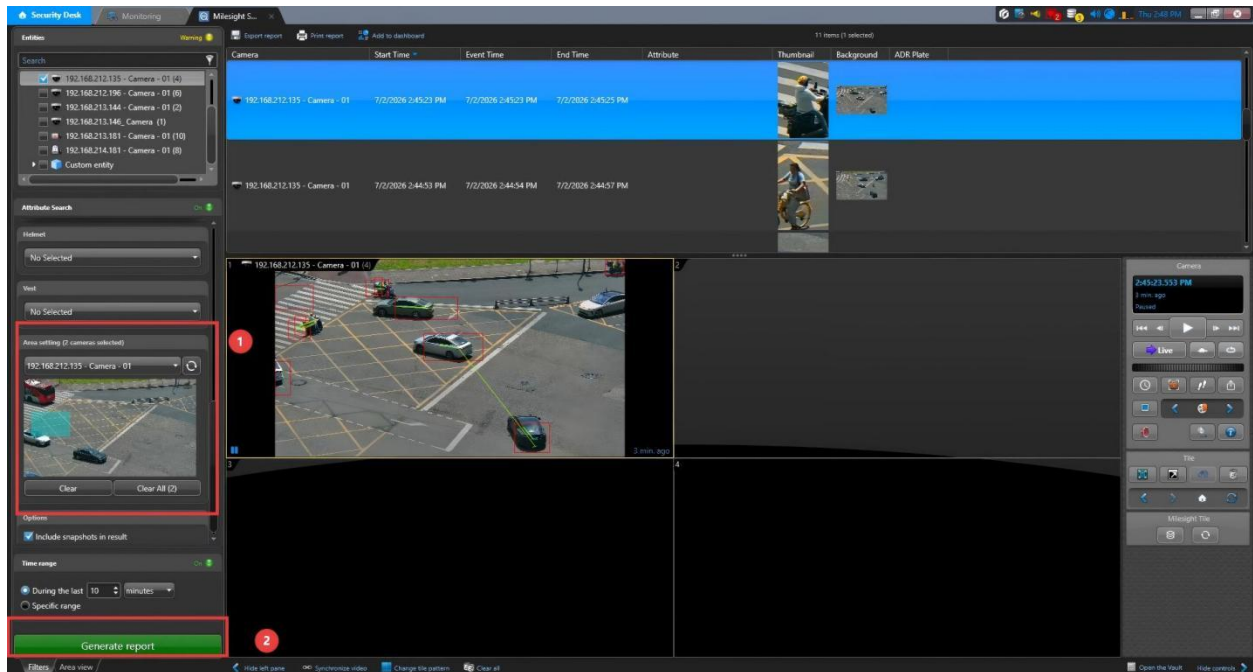
Search Type	Objects	Attributes	Supported Cameras/Versions
Human Search	Face	Age	PE 8.0.5 or above  <b>Note:</b> Multi-sensor, Dual-sensor Panoramic and PD cameras only support human detection (with no attributes).  Helmet Detection & Safety Vest Detection needs: PG1 8.0.6-r2 or above
		Gender	
		Mask	
		Glasses	
	Human	Hat	
		Upper Clothing Color	
		Lower Clothing Color	
		Helmet Detection	
		Safety Vest Detection	
Vehicle Search	Vehicle	Type	- <b>PE LPR Cameras:</b> Support all attributes listed here. - <b>SP111-regular:</b> Supports vehicle type classification (Bicycle, Car, Motorcycle, Bus, Truck, Scooter). - <b>Multi-sensor Panoramic Cameras:</b> Supports Scooter (non-motor vehicle) classification.
		Brand	
		Color	
		Speed	
		Direction	
		Number	
	License Plate	Type	- <b>PE LPR Cameras:</b> Support all attributes listed here. - <b>SP111-LPR:</b> Supports license plate recognition.
		Color	
		Country Region	
		ADR Plate	

### 3.7.1 Human Search

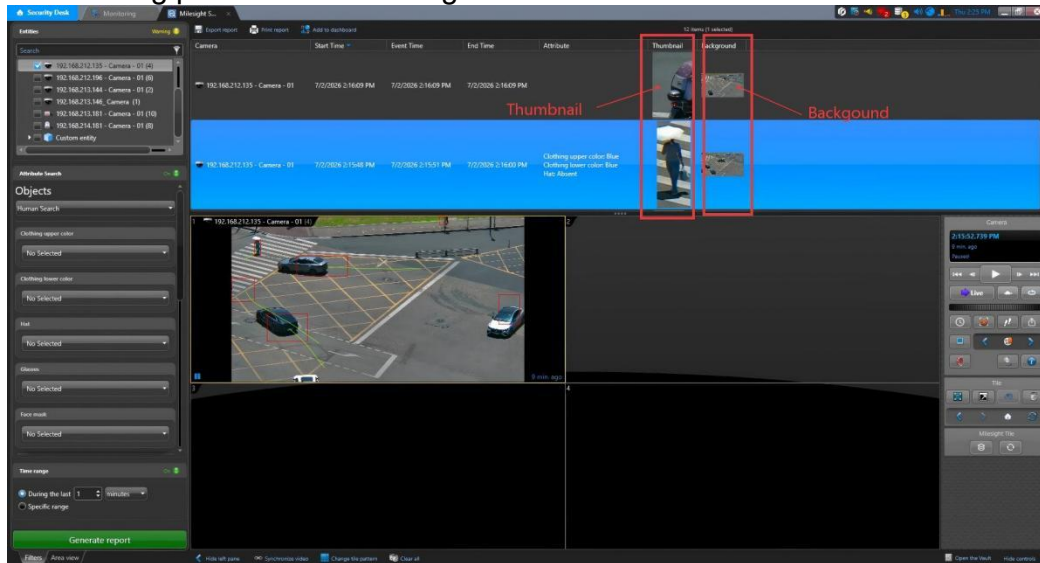
When "Human Search" is selected for searching human-related attributes, the following filters are available. Users can customize search criteria to perform attribute searches.

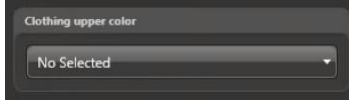
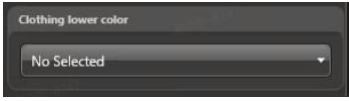

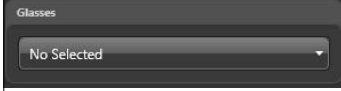


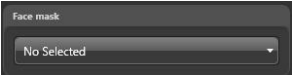
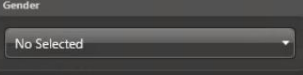
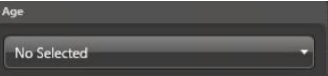
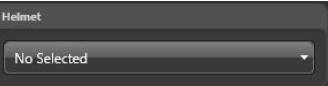
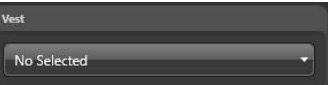

Users can also select a camera in the Area Setting section and draw a region on the thumbnail. Only results within the specified area of that camera will be searched.



If you need snapshots when searching for attribute results, you can enable **Include snapshots in result** in the Options section. The plugin will then capture snapshots from the recordings and display them in the Thumbnail column of the result list and also the surrounding pictures in the Background column.

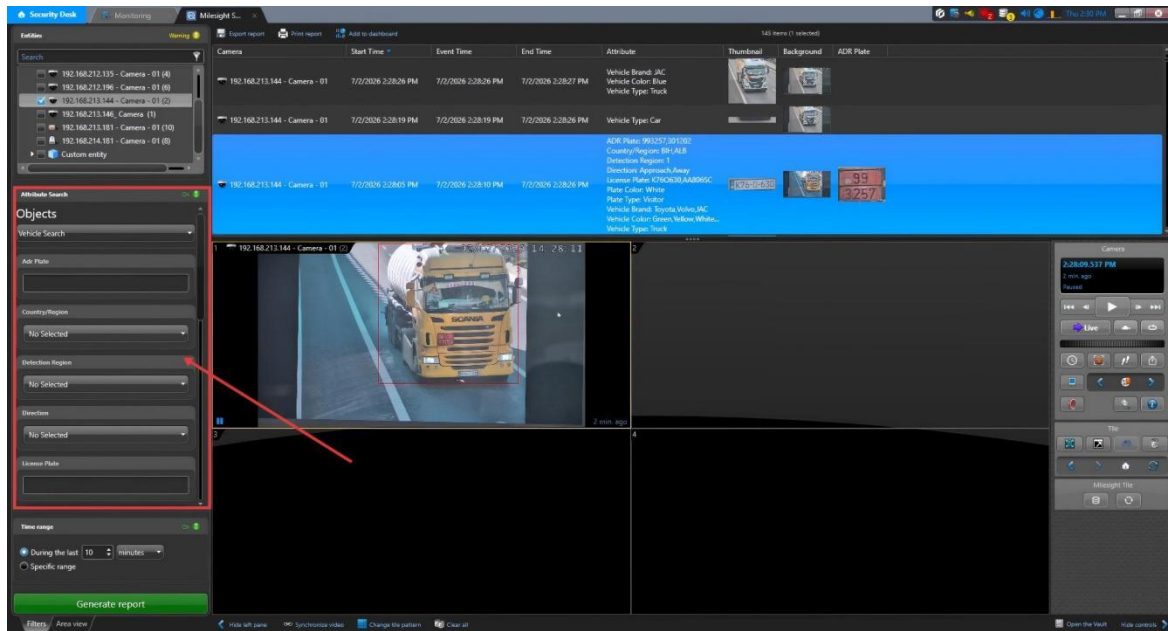


Attributes	Description
<p style="text-align: center;"><b>Clothing Upper Color</b></p>	<p>Select to filter by the clothing upper color</p> 
<p style="text-align: center;"><b>Clothing Lower Color</b></p>	<p>Select to filter by the clothing upper color</p> 
<p style="text-align: center;"><b>youHat</b></p>	<p>Choose different hat condition for object filtering</p> 
<p style="text-align: center;"><b>Glasses</b></p>	<p>Choose different glasses condition for object filtering</p> 

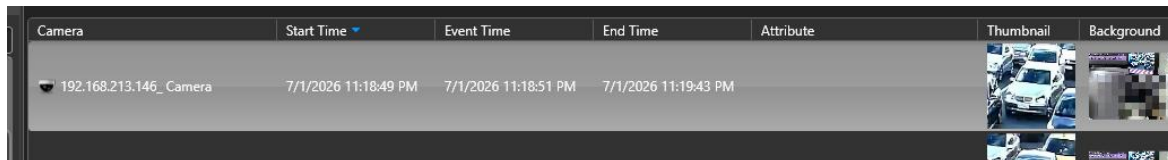
<p><b>Face Mask</b></p>	<p>Choose different face mask condition for object filtering</p> 
<p><b>Gender</b></p>	<p>Select to filter by different gender</p> 
<p><b>Age</b></p>	<p>Select to filter by different age</p> 
<p><b>Helmet</b></p>	<p>Choose different helmet condition for object filtering</p> 
<p><b>Vest</b></p>	<p>Choose different vest condition for object filtering</p> 
<p><b>Area Setting</b></p>	<p>See <a href="#">3.7.1 (page 19)</a>, here will not repeat again.</p>
<p><b>Options</b></p>	<p>Select to capture snapshots from the recordings and display them in the Thumbnail column of the result list.</p> 

### 3.7.2 Vehicle Search

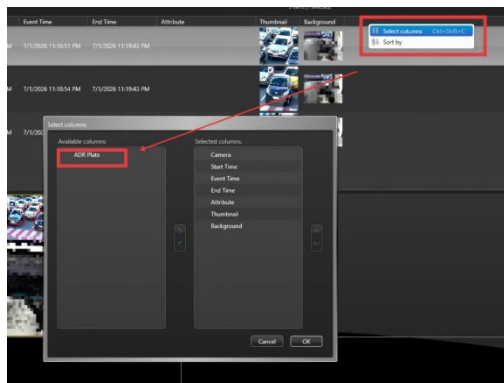
When selecting Vehicle Search to search for vehicle-related attributes, the following filter criteria are available:

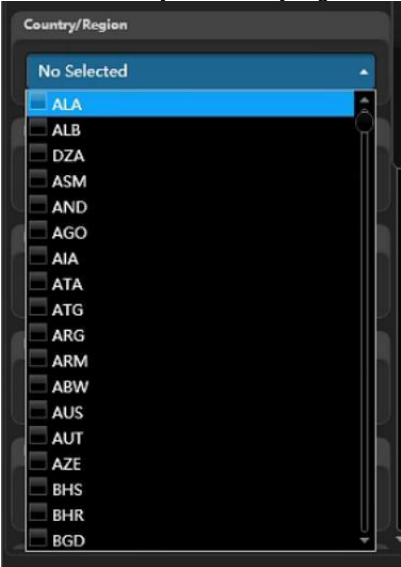
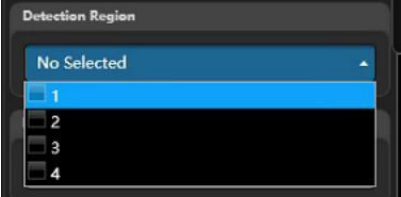
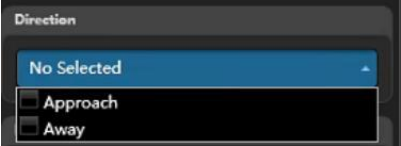


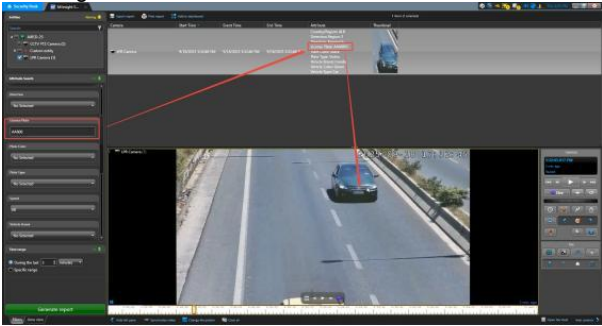
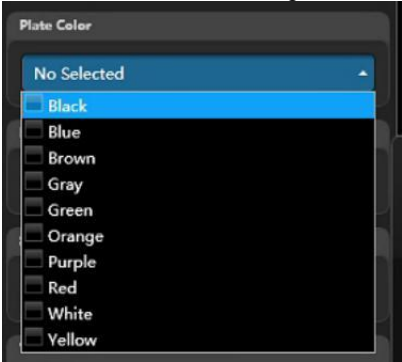
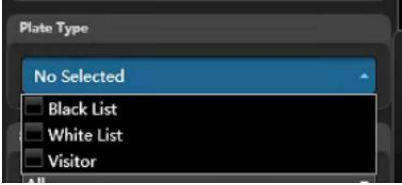
The plugin will then capture snapshots from the recordings and display them in the Thumbnail column of the result list and also the surrounding pictures in the Background column.

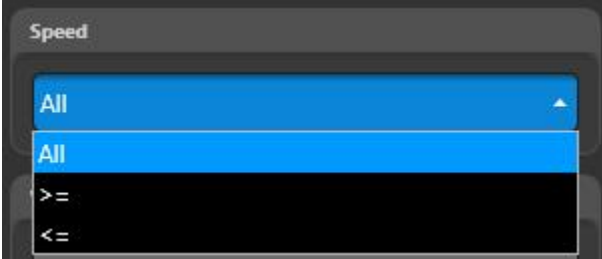


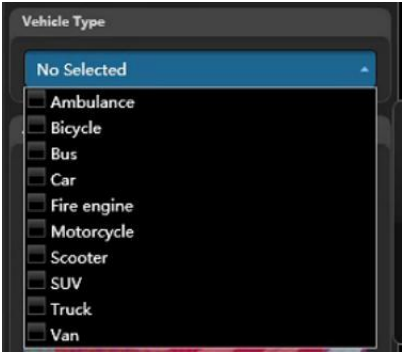



For Plugin in V2.0.0.1, it supports new attribute search -ADR Plate search. But this column is hidden by default. If needed, please add it from the "Select Column" area.



Attributes	Description
Country/Region	<p>Select to filter by the country/region of the license plate.</p> 
Detection Region	<p>Corresponds to the detection zone number configured on the camera side. Region 1 to 4 are selectable.</p> 
Direction	<p>Select to filter by vehicle driving direction. "Approach" or "Away" are selectable.</p> 

Attributes	Description
License Plate	<p>Supports fuzzy matching, i.e., entering partial numbers/characters contained in the license plate will retrieve matching vehicles. Example: Entering "AA606" can retrieve "AA606FC".</p> 
Plate Color	<p>Select to filter vehicles with specific license plate colors. Supported colors are as shown in the figure below.</p> 
Plate Type	<p>Select to filter by vehicle identity type. "Black List", "White List", and "Visitor" are selectable.</p> 
ADR Plate	<p>Supports fuzzy matching, i.e., entering partial numbers/characters contained in the license plate will retrieve matching vehicles.</p>

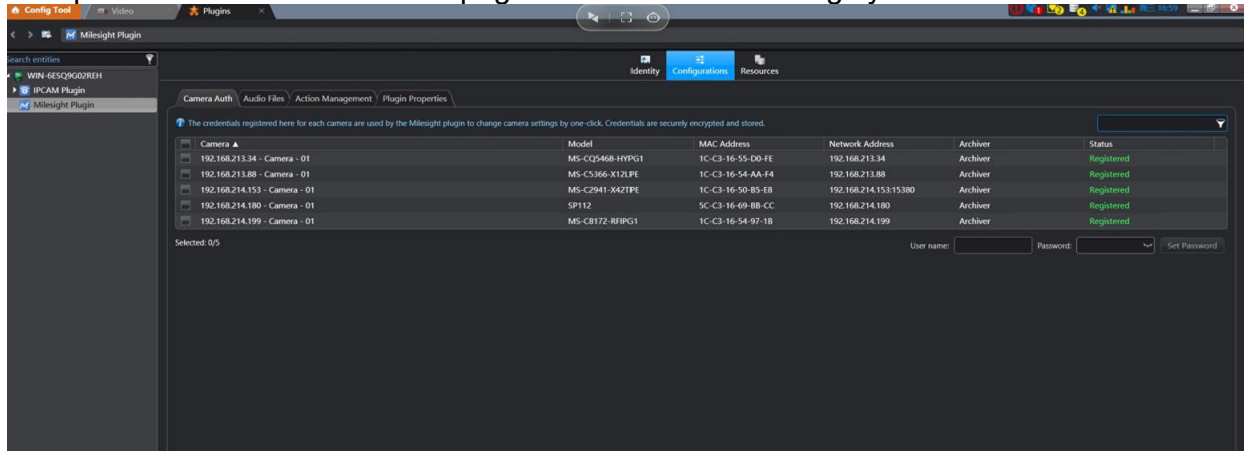
Attributes	Description
Speed	<p>Select to filter vehicles exceeding or falling below the specified speed range.</p>  
Vehicle Brand	Select to filter by vehicle brand.
Vehicle Color	Select to filter by vehicle color.
Vehicle Type	<p>Supported vehicle types include: Ambulance, Bicycle, Bus, Car, Fire Engine, Motorcycle, Scooter, SUV, Truck, Van.</p> <p><b>Note:</b>   Scooter is currently only supported by Multi-sensor Panoramic cameras and Pro G1-regular Series cameras.</p> 
Area Setting	See <a href="#">3.7.1 (page 19)</a> , here will not repeat again.
Options	<p>Select to capture snapshots from the recordings and display them in the Thumbnail column of the result list.</p> 

# Chapter 4 Milesight Plugin Configuration Interface

Currently Milesight plugin has its own management interface inserted on Genetec Config Tool, which will facilitate the management of Milesight Camera.

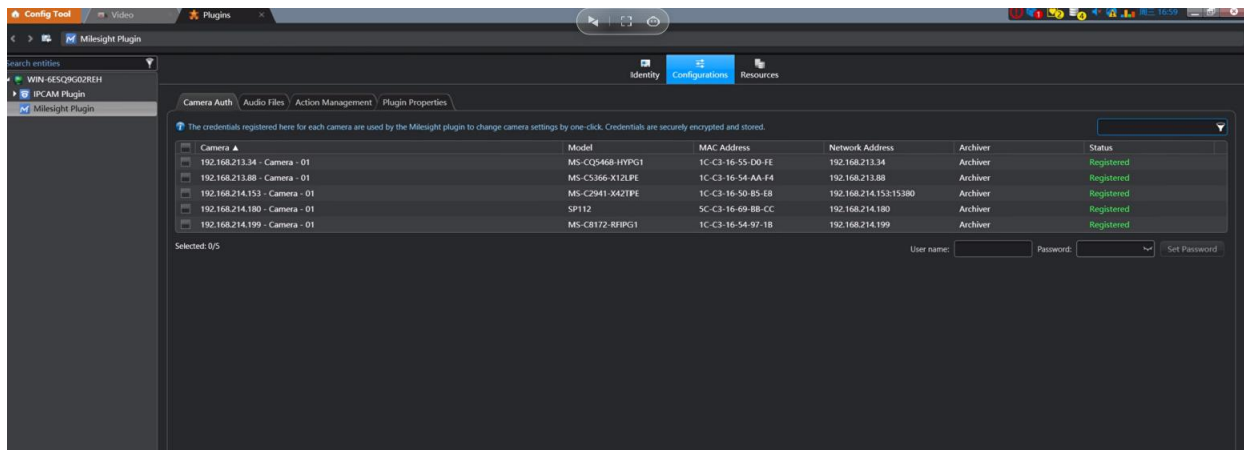
This Plugin Page has four sub-tabs. They are: Camera Auth, Audio File, Action Management, Plugin Properties.

This part will introduce these sub-pages and functions thoroughly.



## 4.1 Camera Auth

This page is used to pre-configure usernames and passwords for Milesight Standard Cameras (also referred to as "Registration"). Once registered successfully, the plugin can directly call camera APIs for configuration or quickly access the camera's web interface.



User name and password setting steps:

**Step1:** In the table, check the box next to the target camera(s).

**Step2:** Enter the Username and Password in the fields at the bottom right.

**Step3:** Click Set Password.

Step4: The status will change to "Registered" upon success. If it fails, the status will show "Authentication Failed".

Note:

1. Status Explanation

<b>Staus</b>	<b>Color</b>	<b>Description</b>
<b>Registered</b>	Green	Credentials verified successfully.
<b>Registering</b>	Blue	Verifying credentials...
<b>Authentication Failed</b>	Red	Invalid username or password.
<b>Offline</b>	Gray	Camera is offline; status unknown.
<b>No Credentials</b>	White	No credentials entered for this camera.

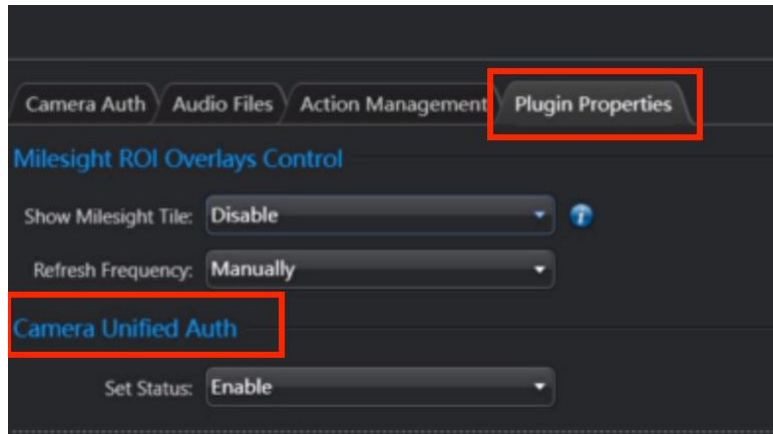
## 4.2 Password-free IPC Web Login

After finishing the setting of camera auth, you could enjoy direct camera web page login. This is because the username and password are pre-configured and remembered through camera auth, allowing resources access to the camera web interface without manually entering the password again.

Here are the configuration steps:

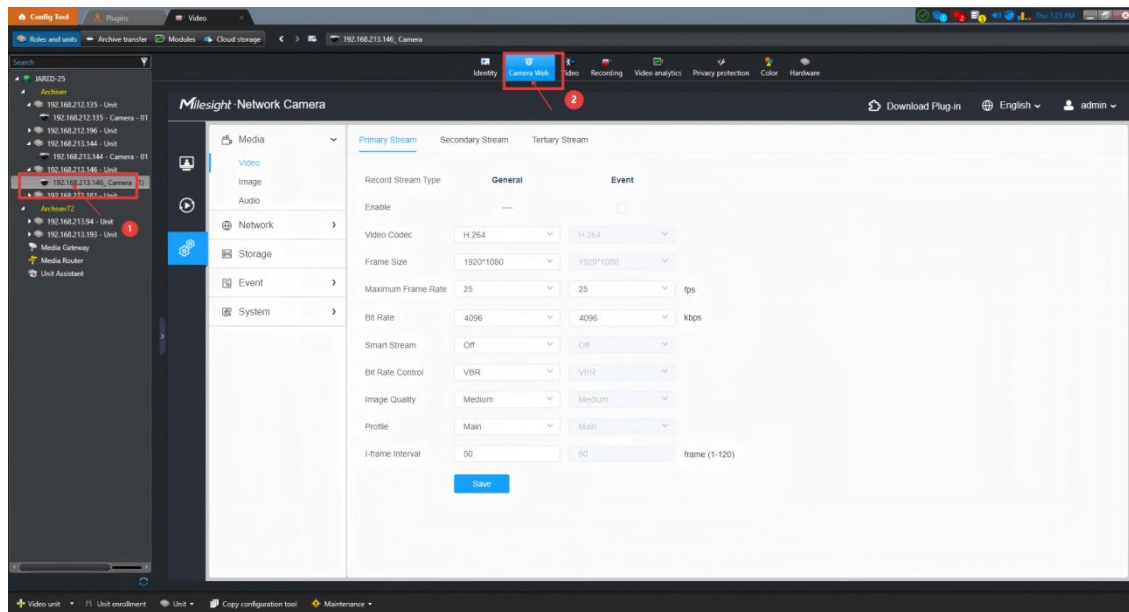
**Step1:** Configure Camera Auth. Detailed Step: [4.1 Camera Auth \(Page 26\)](#)

**Step2:** Go to “Milesight Plugin-Configuration-Plugin Properties-Unified Auth” to activate the Unified Auth function for all cameras.



**Step3:** Select the camera you would like to configure in video task, (see the icon “①” on the picture below)

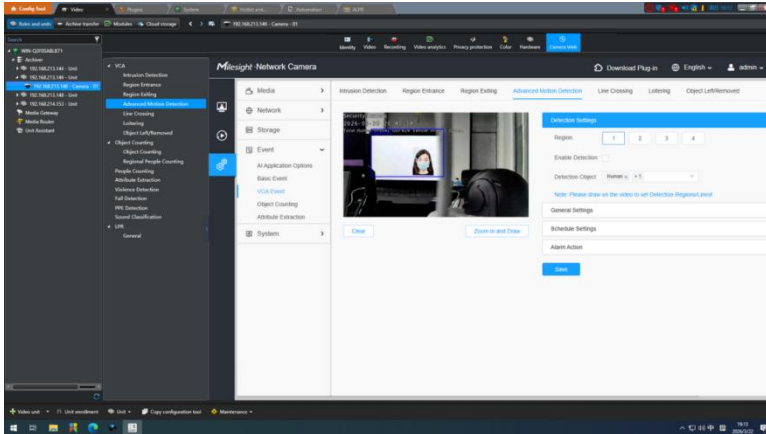
**Step4:** Find the “Camera Web” and click it (see the icon “②” on the picture below), then the page will directly turn to camera's edge web interface.



**Step4:** Star your configuration on the edge camera.

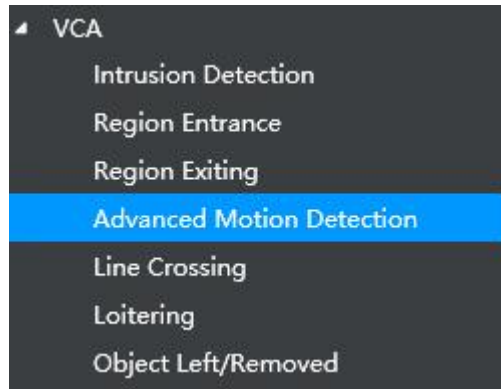
## Notes:

If the camera status is Registered on the plugin side, a button to expand the quick navigation menu will appear on the left side of the web interface after logging in. Hovering over this button displays the tooltip "Show Navigation". Once the menu is expanded (as shown in the picture below), the button icon changes to a collapse icon, and its tooltip updates to "Hide Navigation".

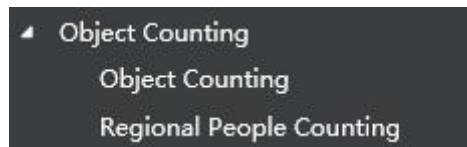


The menu items in the navigation bar are different and shall be displayed based on the current camera's AI capabilities. The classification rules are as follows:

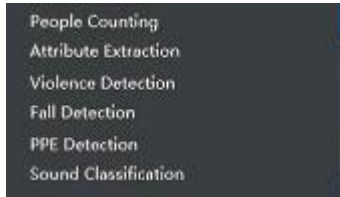
1. VCA Events are listed under the item "VCA":



2. Object Counting and Regional People Counting are listed under the item "Object Counting":



3. Other AI Functionalities will be listed as independent items:

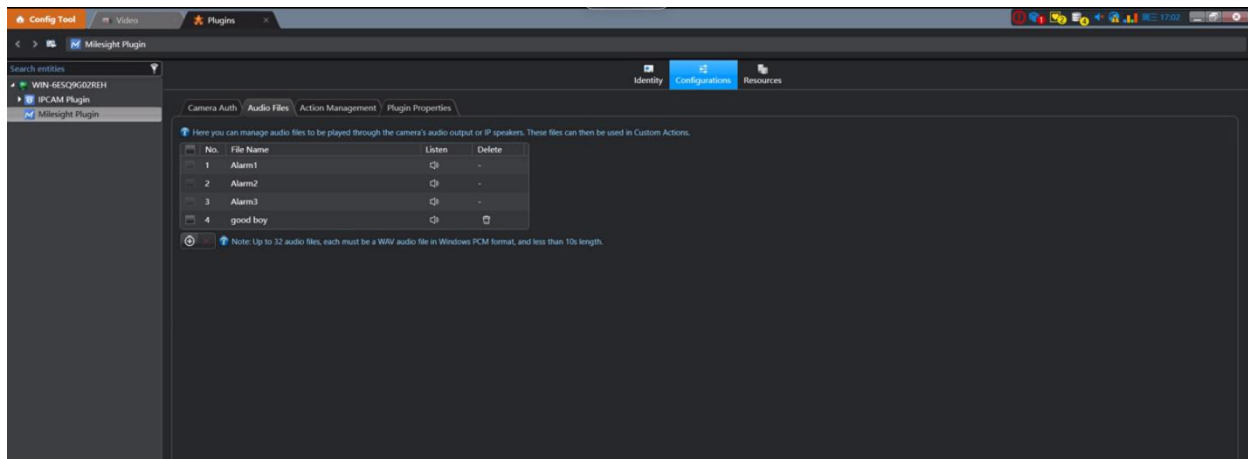


4. For Traffic Camera, there is only one sub-item option "General":



Besides, some cameras may not support this quick navigation function due to its firmware version.

## 4.3 Audio Files



This page allows you to manage custom audio files for broadcasting through IP Speakers or Camera Audio Outputs. These files can be directly used in Custom Actions.

The system comes with 3 pre-installed alarm tones ready for immediate use. These files are read-only and cannot be deleted:  
Alarm 1/ Alarm 2/ Alarm3

### 1. Uploading Audio File

Step1: Click the Add (+) button in the bottom-left corner.

Step2: In the pop-up system window, select a file in WAV format.

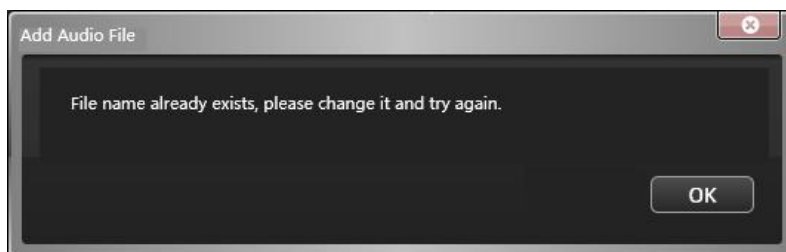
Step3: Click "Open" to complete the upload.

Notes:

Format: Must be Windows PCM WAV.

Length: Must be less than 10 seconds (any excess will be automatically trimmed).

Duplicate Names: If the filename already exists, the system will prompt you to change it.



Limit: Maximum 32 files (including pre-installed files). The Add button will be disabled once this limit is reached.


## 2. Previewing Audio File

If you want to preview the audio, you could follow the following steps:

Step1: Click the Speaker icon in the list to play the audio on your current computer.

Step2: During playback, the icon changes to a Stop icon. Click it to interrupt playback.

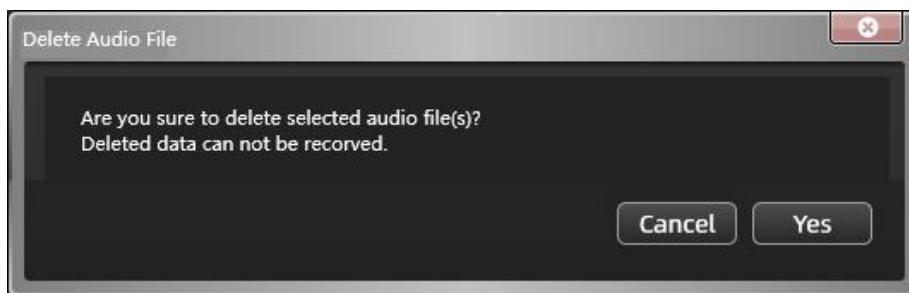
## 3. Deleting Audio File

If you want to delete the audio, just simple click the  Icon:

Single Delete: Click the delete icon next to the file.

Batch Delete: Check multiple files and click the "Delete Selected" button at the bottom.

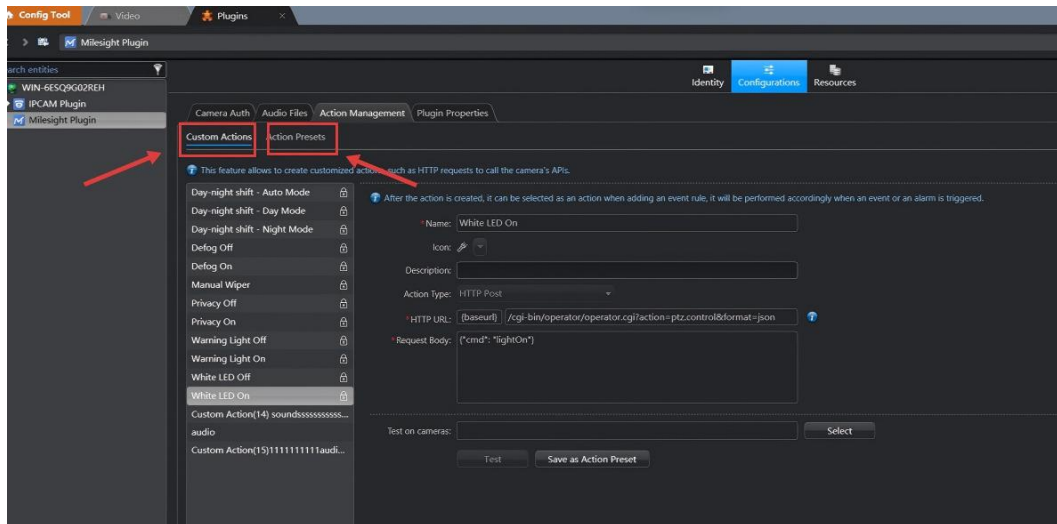
Confirmation: A pop-up window will appear stating: "Are you sure you want to delete the selected audio file(s)? Deleted data cannot be recovered."



## 4.4 Action Management

Users can directly configure alarm-linked actions for MileSight Cameras (such as warning lights, heating, or defogging) in Genetec Config Tool. These could be achieved on the sub-page “Action Management”. It is core module in the plugin for managing and executing automated operations.

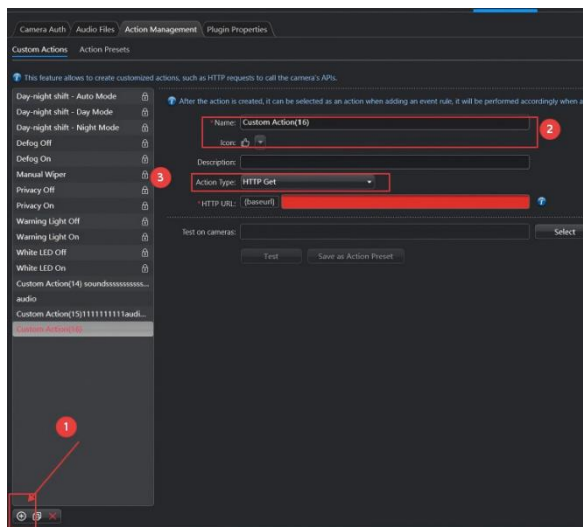
This page supports two types of Actions: Custom Action and Action Preset.



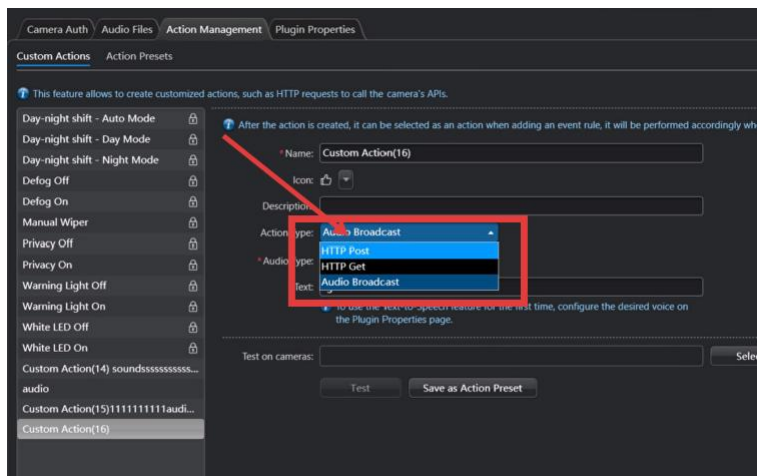
Custom Action allows users to add and edit all actions in the system. Users can then configure actions and select response cameras when setting up event rules. Action Preset is used to predefine the camera with the custom actions.

### 1. Custom Action

If you want to configure your own actions, please click the + on the left corner, and then rename it and choose the icon you would like to represent this action. And then select the action type.



This page supports three different action type configurations: HTTP Post, HTTP Get, and Audio Broadcast.



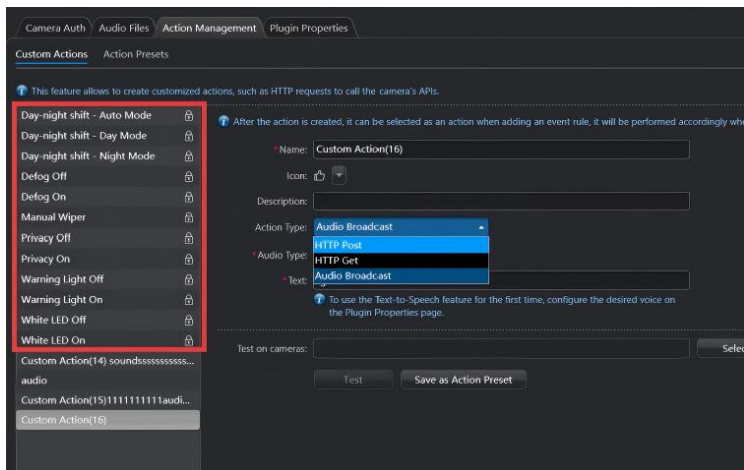
Operation Type	Description	Example Scenario
HTTP API (POST)	Trigger operations by sending POST requests to external interfaces with parameters.	Modify device IO status, turn on White LED
HTTP API (GET)	Retrieve data or trigger lightweight operations via GET requests to external interfaces.	Query device configuration
Audio Broadcast	Send audio (from uploaded Audio Files or TTS-generated speech) to target devices (camera/IP Speaker).	Emergency broadcast, voice intercom

**Note:**

1. Different actions have different required fields needed to be filled.



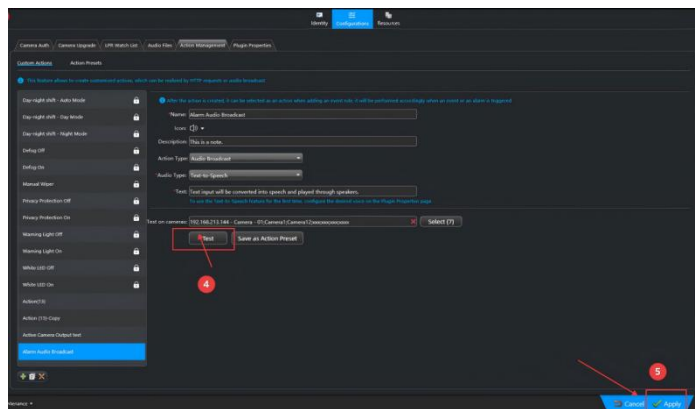
2. On the left column. The actions with a lock icon means that they are built-in actions. These cannot be deleted.



3. For Audio Broadcast. If you want to use audio, please firstly upload your audio file on “Audio File” page, and then back to the “Custom Action” page to select the audio file you want. If you want to use “Text-to-Speech”, enter the text on the below field and then go to “Plugin Properties” for the Sound Type selection.



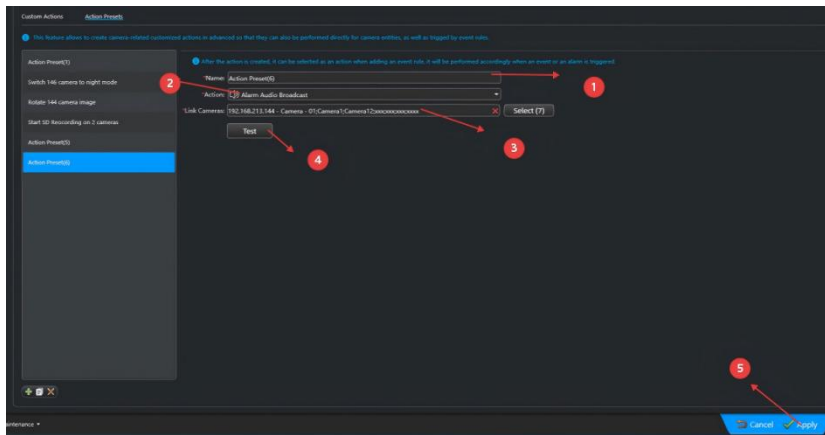
Here is the final step: After the whole settings, you could click the “test” bottom for validation. If the configuration is well-done, then click “Apply” to activate these settings. If you click “Save as action preset”, the the page will automatically turn to “Action Preset”.



## 2. Action Preset

**Function:** Created by duplicating an existing Custom Action and pre-binding it to a target device (e.g., camera, IP Speaker). Once bound, it can be directly called in event rules **without re-selecting devices**, significantly simplifying workflows. Here is the configuration step:

Enter into “Action Preset”, name the preset at the field “Name”, choose the pre-configured custom action at the field “Action”, and select the camera at the field “Link Cameras”. Test validation and apply the action.



## 4.5 Action Management - Where They Apply

The two different functions serve different purposes in Genetec “Config Tool” and “Security Desk”

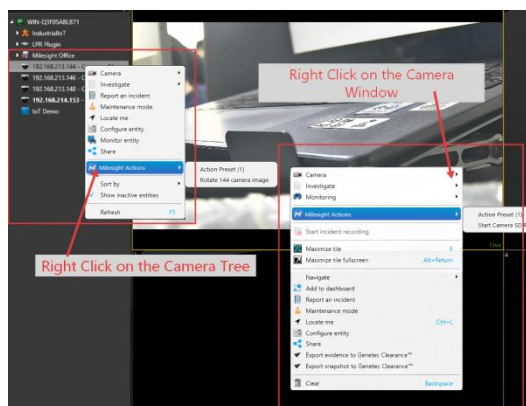
**Event rule configuration** — both Custom Action and Action Preset apply.

**Right-click Menu Control on Monitoring on Security Desk** — Action Preset only.

After the “Action Preset” being successfully configured, users could directly trigger the action on the linked camera through Monitoring on Genetec’s Security Desk

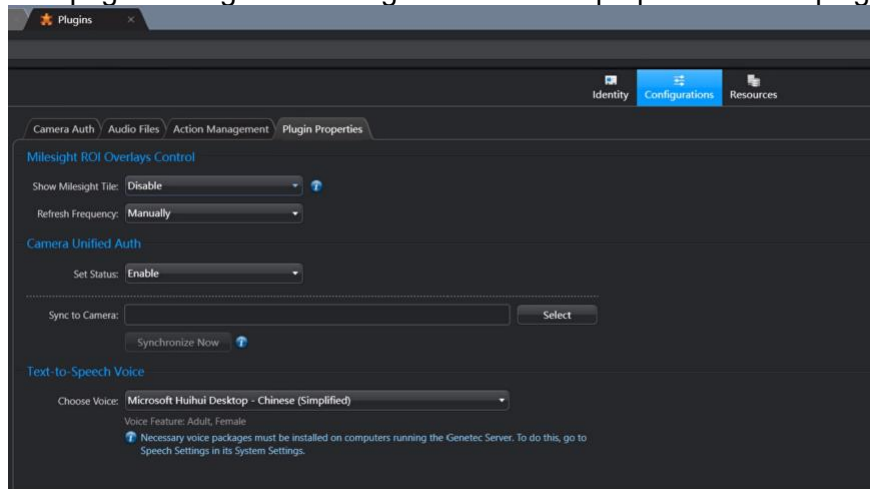
Step:

Firstly, switch to Genetec Security Desk. Then, enter into the Monitoring Interface. In the camera window or device tree, right-click a camera → find Mileight Actions→select the Preset .



## 4.6 Plugin Properties

This page is designed to configure some basic properties for the plugin.

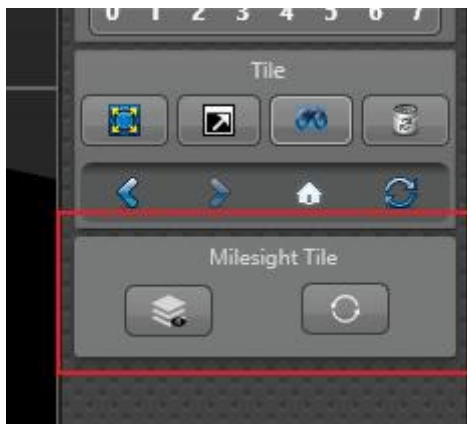


You can set “Milesight ROI Overlay Control”, “Camera Unified Auth” and “Text-to-speech Voice” on this page.

### 1. Milesight ROI Overlay Control

This property decide whether to display a Milesight Tile on the Security Desk video window, which provides one-click overlay control and refresh.

Once Enabled and if the system has enough Milesight Analytics Licenses, after Security Desk is restarted, every Milesight camera played in Security Desk will show a Milesight Tile on the right side of the video window.



You can define different refresh intervals on the field “Refresh Frequency”.

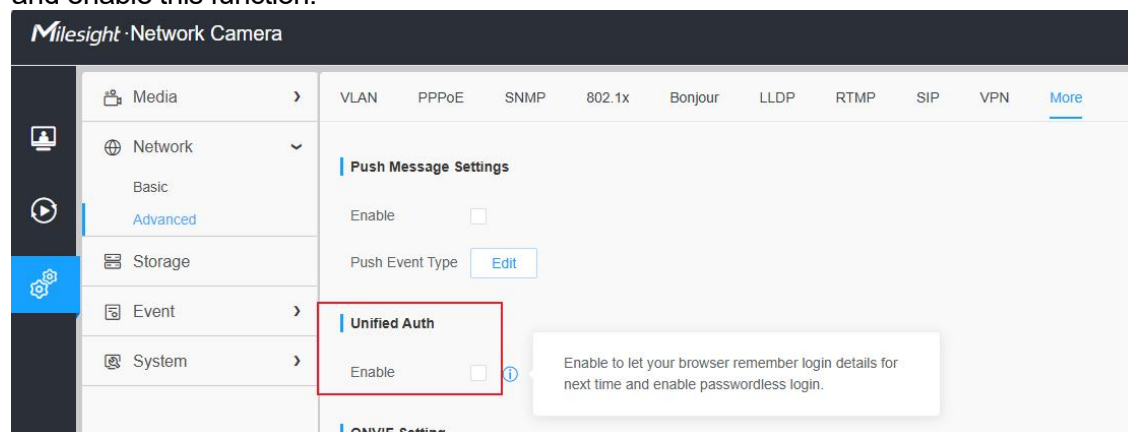
**Manually:** The plugin will not proactively query the IPC for the latest event detection region. Users must click the Refresh button on the Tile, or choose the right-click menu Milesight ROI overlays control → Refresh.

**Any fixed interval:** Counting starts when the server-side plugin starts running. After every interval, the plugin queries all Milesight cameras and updates the overlay on each Tile view.

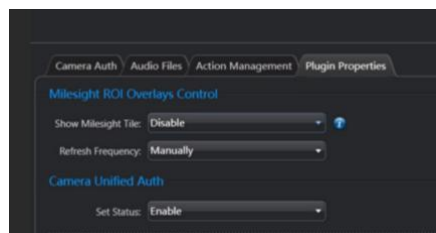
## 2. Configure Camera Auth

This function is used to batch-enable the Unified Auth option on the selected cameras. When enabled, the browser or the plugin-embedded browser can remember the camera's login credentials, so the user does not have to type the password the next time. Used together with the Genetec plugin's built-in Camera Web feature.

Step1: Go to the Camera Page, go through “Settings-Network-Advanced-More”, find Uified Auth and enable this function.

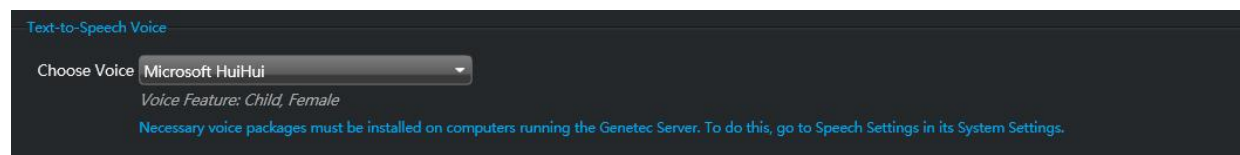


Step2: Go back to Genetec Config Tool, find Milesight Plugin and go to “Plugin Properties”, find “Camera Unified Auth” and select the status of this option into “enable”.



## 3. Configure Text-to-Speech Voice

This function is used to use Windows TTS (text-to-speech) to speak a text message to a Speaker. The text-to-speech function is implemented by the Genetec Server-side plugin, so the voice packages must be installed on the machine running the Genetec Server.



## 4.7 Overlay Detection Region on Monitoring Page

This feature lets you visualize the detection regions and lines configured on a Milesight camera (VCA, People Counting, Counting, Face Detection / Capture, LPR, etc.) on the “Monitoring” page on Security Desk. You can enable/disable the overlay and refresh it when the camera’s configuration has changed.

There are three ways to enable the overlay. Two methods to ensure all events ROI activation or Removal. One methods to control specific event ROI display.

### 1. Method for overall event ROI Management:

**Method 1:** Via Milesight Tile

**Method 2:** Via Milesight plugin setting in the right-click menu

### 2. Method for one specific event ROI management:

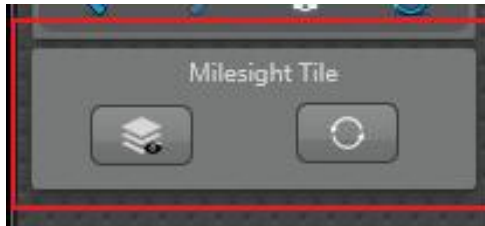
Via Genetec native settings options in the right-click menu.



This method could only be accessible after the overall event ROI display has been enabled through method 1 or method 2.

### 1. Method for overall event ROI Management:

**Method 1:** Via Milesight Tile.

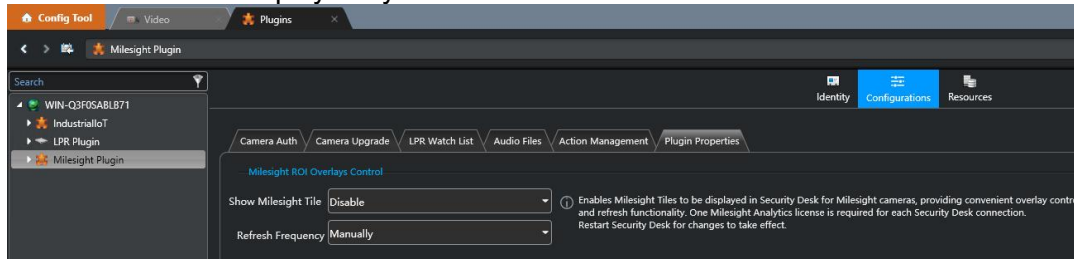
You can activate the overall event ROI overlay through Milesight Tile. This part is on the right-side control panel on the Monitoring of Security Desk. It contains two buttons: a “Show event ROI/Remove Event ROI” button and a refresh button.



Icon	Name	Meaning
	Show event ROI/Remove Event ROI	Used to enable or disable the all events ROI overlay display. This icon is off by default.
	Refresh ROI	Click effect — re-fetches the latest drawn-and-enabled regions/lines from the camera and updates the overlay accordingly. Affects only the selected video tile.

## Notes:

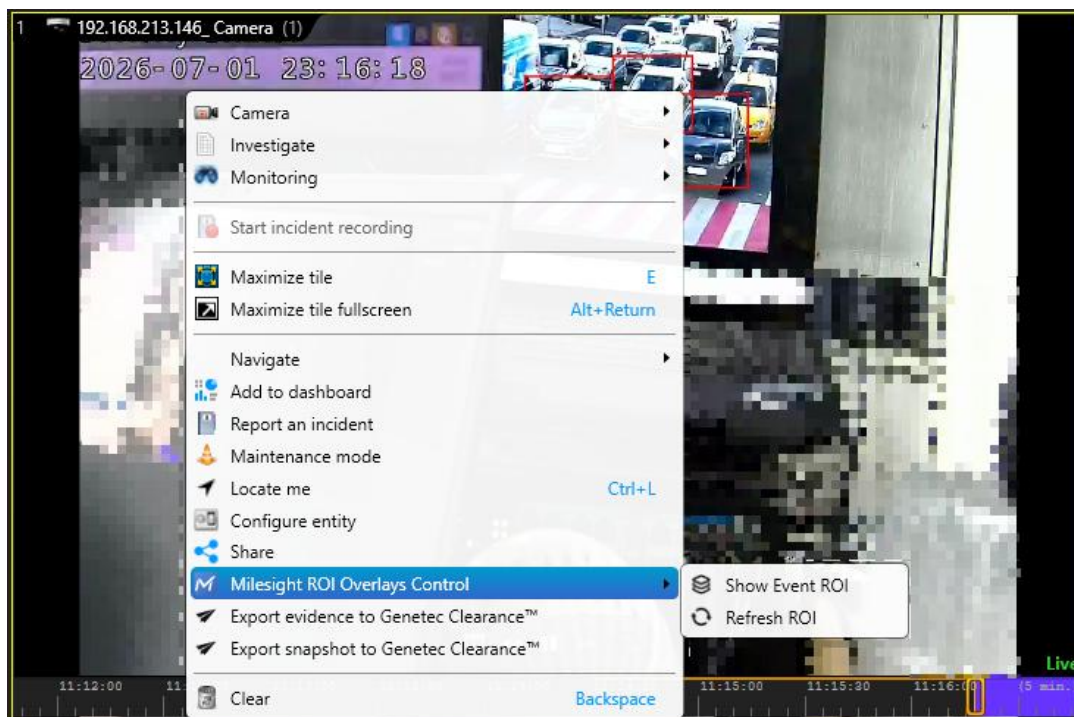
1. The section “Milesight Tile” needed to be enabled at the page “Plugin Properties” otherwise this section will not be displayed by default.



2. Please be kindly noted that Milesight Tile will consume **Milesight Analytics License**.

## Method 2:

If you don't want to use your Milesight Analytics License, you can activate the ROI through “Milesight ROI Overlays control” plugin setting in the right-click menu on the Monitoring on Security Desk.

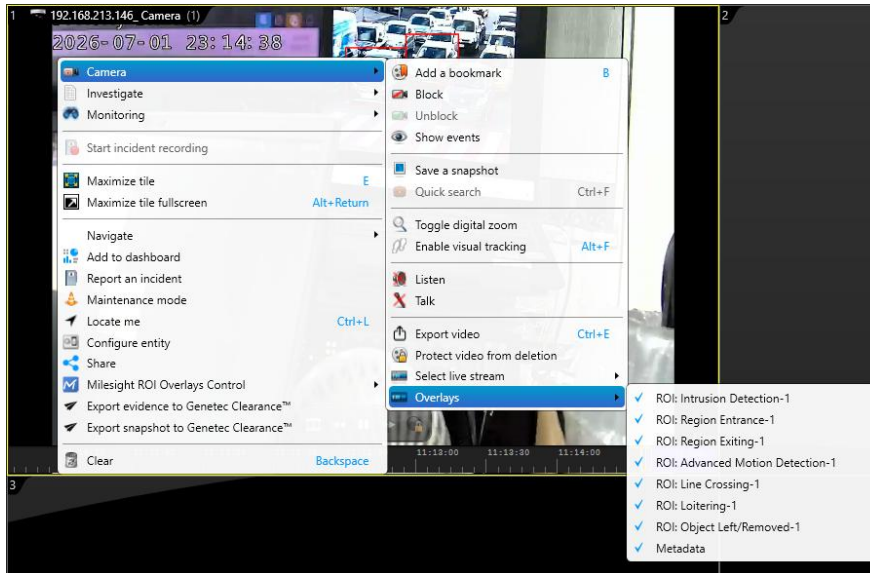


This function offers the same action as the Milesight Tile on Method 1, that is “Show Event ROI” and “Refresh ROI”, **useful when the Tile is not displayed and disabled** (Notes: the Milesight Tile consumes a **Milesight Analytics License** per Security Desk client).

But please be noted that this item will only be found when you right-click on a video tile in Security Desk only. It is not shown in Config Tool, and not shown on the device tree.

## 2. Method for one specific event ROI management:

After enabling overall Event ROI management, if you want to manage the ROI overlay for one single event, you can achieve it via Genetec native overlay settings options in the right-click menu.



**Step:** Right-click on a camera window on Monitoring on Security Desk → Click “Camera” → Click “Overlay” → Click a ROI: <Feature Name>

### Notes:

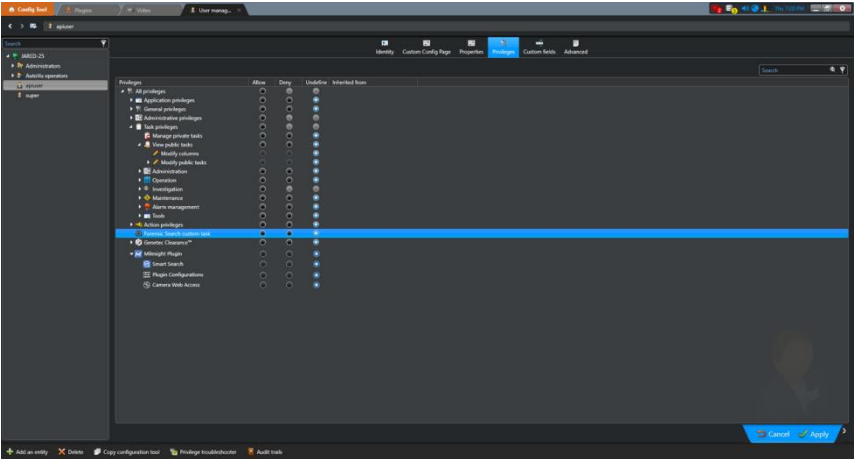
- 1) The number of regions/lines shown matches what was configured on the camera (1 region = 1 overlay, 4 regions = 4 overlays, ...).
- 2) Different cameras have different ROI Options according to their AI Capabilities.
- 3) Visibility of overlays in the video also depends on the Show event ROI/Remove Event ROI (Methods 2 / 3). If the “Show event ROI/Remove Event ROI” is OFF, the overlay will not show even if this sub-item is ticked.

# Chapter 5 Plugin Privileges

Genetec Security Center has a built-in user privilege system that controls who can do what on the system. The Milesight Plugin extends this system by adding a top-level Milesight Plugin node and three sub-privileges, so that administrators can precisely grant or deny access to the plugin's features.

**[Find the Plugin Privilege Node]**

Genetec Config Tool → User Management Privilege → apiuser



In the privilege configuration panel, scroll to the very bottom. A new top-level node Milesight Plugin is added at the bottom of the existing privileges list. Each privilege can be set to Allow, Deny, Undefined, or left to be Inherited from a parent role. The definition for these three sub-privileges are as follow:

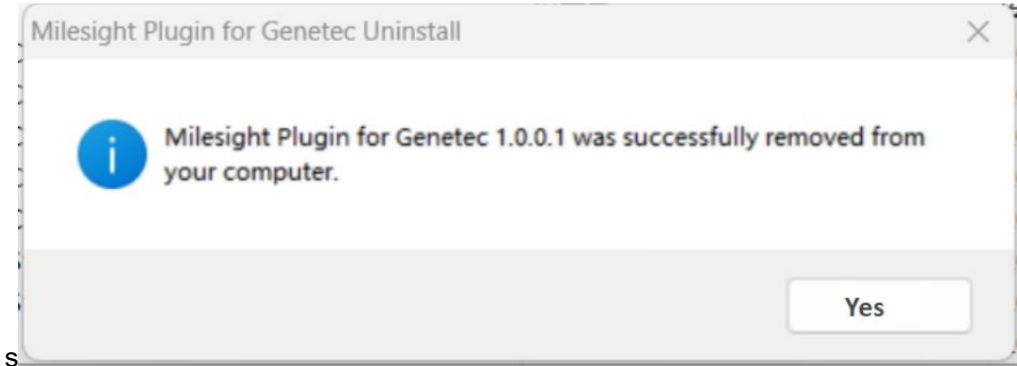
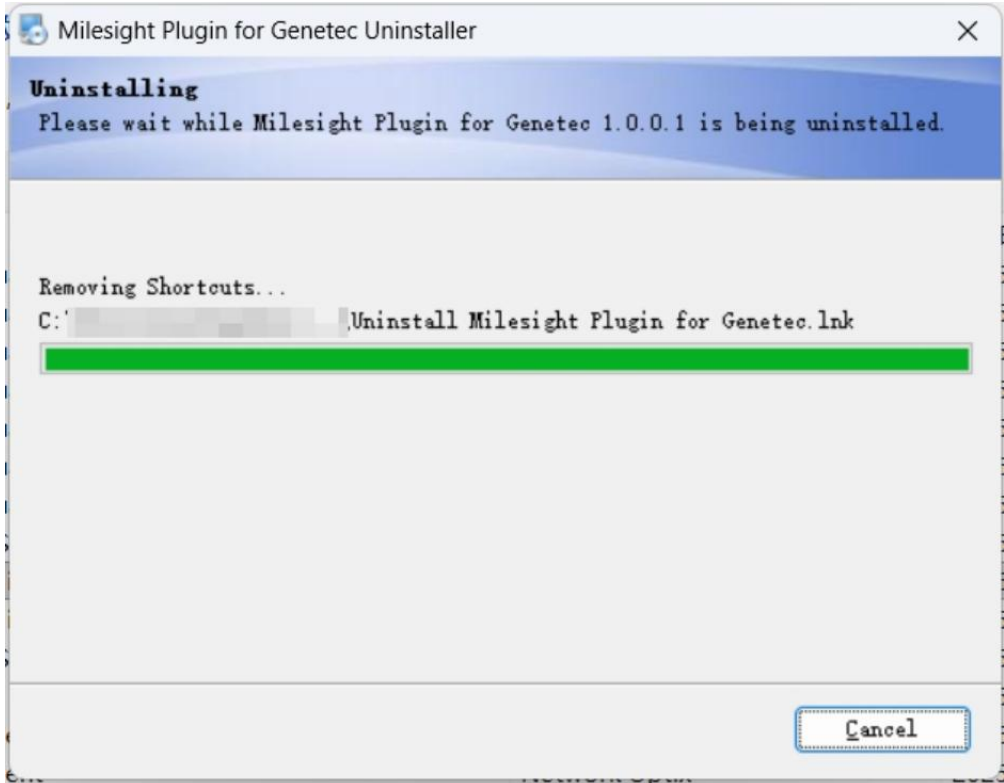
Sub-privilege	Accessibility
Smart Search	Allows user to search for people and vehicle metadata from Milesight Cameras within the Security Desk.
Plugin Configurations	Allows user to modify the Milesight Plugin configurations in the Plugin Task of the Config Tool.
Camera Web Access	Allows user to access the camera webpage in the Video Task of the Config Tool.

# Chapter 6. Uninstall

## Uninstall Milesight plugin

### [Windows]

Before uninstallation, first check if any Genetec components are being used. If no components are in use, proceed directly with the uninstallation process. Upon completion, a success popup will be displayed.



# Chapter 7. Services

Milesight provides customers with timely and comprehensive technical support services. End-users can contact your local dealer to obtain technical support. Distributors and resellers can contact directly with Milesight for technical support.

Technical Support Mailbox: [support@milesight.com](mailto:support@milesight.com)

Web: <https://www.milesight.com>

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