

How to Configure Illustra Edge Analytics with exacqVision

KB Number: 23966

Published: 23/014/2026

Overview

This guide explains how to configure Illustra Edge Analytics, specifically AI Object Classification and integrate it with ExacqVision Client. Following these steps allows you to view live analytics, search for specific objects (such as cars or people), and link analytics events within exacqVision.

The same workflow can be applied to other analytics such as Face Detection, Motion, Tamper, and Person Counting.

Prerequisites

Before starting, ensure that you have the following:

- An Illustra camera that supports Edge Analytics
- Camera firmware that supports AI Object Classification
- Access to the camera web interface
- exacqVision Client installed
- The Illustra camera added to exacqVision

Configure Analytics on the Illustra Camera

1.1 Log in to the Camera

1. Open a web browser.
2. Log in to the camera web interface.
3. Navigate to:
Setup → Analytics

1.2 Enable AI Object Classification

1. Select the following checkboxes:
 - Enable AI Object Classification.
 - Highlight Detections.

2. Configure Minimum Engine Confidence as required (supported range: 40%–100%).

Higher confidence values reduce false positives but may miss detections.

1.3 Create Analytics Rules

For this example, two rules will be created: Car Detection and Person Detection.

Create a Car Detection Rule

1. Click New Rule.
2. From Object Class, select Car.
3. Configure:
 - Overlap (if required).
 - Minimum confidence.
4. Click Select All to set the Region of Interest (ROI).
5. Click Save.

Create a Person Detection Rule.

1. Click New Rule again.
2. From Object Class, select Person.
3. Configure settings as required.
4. Click Select All for the ROI.
5. Click Save.

1.4 Verify Analytics on the Camera

1. Open Live View in the camera interface.
2. Confirm that:
 - Cars and people are highlighted.
 - Bounding boxes appear around detected objects.

This confirms analytics are active and working correctly on the camera.

Enable Analytics in exacqVision Client

2.1 Refresh the Camera (If Already Added)

If the camera was already added to exacqVision:

1. Navigate to Add IP Cameras.
2. Disable and re-enable the camera.

2.2 Enable Live Analytics View

1. Select the camera from the left-hand menu.
2. Open the Analytics tab.
3. Enable View Live Analytics.

The analytics rules configured on the camera (Car and Person) should now be visible.

2.3 Customize Analytics Display (Optional)

- Adjust bounding box colors as required.
- Leave other settings at default if no changes are needed.

View Live Analytics

1. Navigate to the Live View.
2. Right-click on the camera.
3. Select View Analytics.

You should now see:

- Bounding boxes around detected objects.
- Colored circles indicating object classification.

Search Using Analytics

4.1 Run an Analytics Search

1. Navigate to the Search page.
2. Select the relevant Analytics Stream under the camera.
3. Configure the date/time range.
4. Click Search.

Analytics hits appear in red in the Car/Object Detection row.

4.2 Filter by Object Attributes (e.g. Car Colour)

1. Enable Show Filters.
2. Configure filters (e.g. Vehicle Colour → White).
3. Click Save.
4. Click Search again.

Results will now only show detections matching the selected filter.

You can edit or remove filters to broaden the search (e.g. all vehicles).

Link Analytics Events (Optional)

Event linking allows analytics detections to generate events for logging or monitoring.

Create an Event Link

1. Navigate to Event Linking.
2. Click New.
3. Set:
 - Event Type: Analytics.
 - Event Source: Car/Object Detection.
4. Set:
 - Action Type: Log Event.
5. Click Apply.

Repeat the process for Person/Object Detection if required.

Expected Results

After completing this guide, you should be able to:

- View live AI object detections in exacqVision.
- Search recorded video using analytics.
- Filter results by object attributes (e.g. vehicle color).
- Log analytics events for monitoring and review.

Troubleshooting

Issue	Possible Cause	Resolution
No analytics visible in ExacqVision	Analytics not enabled on camera	Verify analytics are enabled and saved on the camera
Analytics rules not showing	Camera added before analytics setup	Disable and re-enable the camera in ExacqVision
No search results	Confidence too high or time range incorrect	Lower confidence or adjust search range
Bounding boxes not visible	View Analytics not enabled	Enable View Live Analytics in ExacqVision

i

Information

- Analytics processing occurs on the camera; ExacqVision consumes the results.
- Performance may vary depending on camera model, placement, and lighting conditions.