Milesight Release Note for Intelligent Traffic Camera

Firmware Version: T_61.8.0.4-r2

Applicable Model: MS-Cxxxx-xLxE / TSxxxx-xxxE

Release Date: 18th April, 2025

1. Overview

Milesight offers a variety of sensor products designed to capture meaningful data. By innovatively applying AI, 5G, and IoT technologies, Milesight significantly impacts various applications. The company manufactures products with exceptional image quality, unparalleled flexibility, and reliability for the global market. Milesight is pleased to announce the release of the new firmware version T_61.8.0.4-r2 for its Intelligent Traffic Camera.

In this version, we have **added trigger line logic** to enhance detection accuracy, introduced **scooter recognition**, and expanded **vehicle color** options with **purple and brown. ADR recognition** and a **license plate filtering** feature have also been added. Support for **802.1x with EAP-TLS protocol** is now available, and the SD card file system now supports **EXT4**.

This update also brings Arabic language localization and a range of algorithm improvements, including new license plate support for over 10 countries, better vehicle color recognition, and enhanced accuracy in multiple regions.

Compatibility has also been enhanced with improved integration for **Nx, Arteco, Axxon, Cathexis, and Milestone** platforms.

2. Firmware Version Download

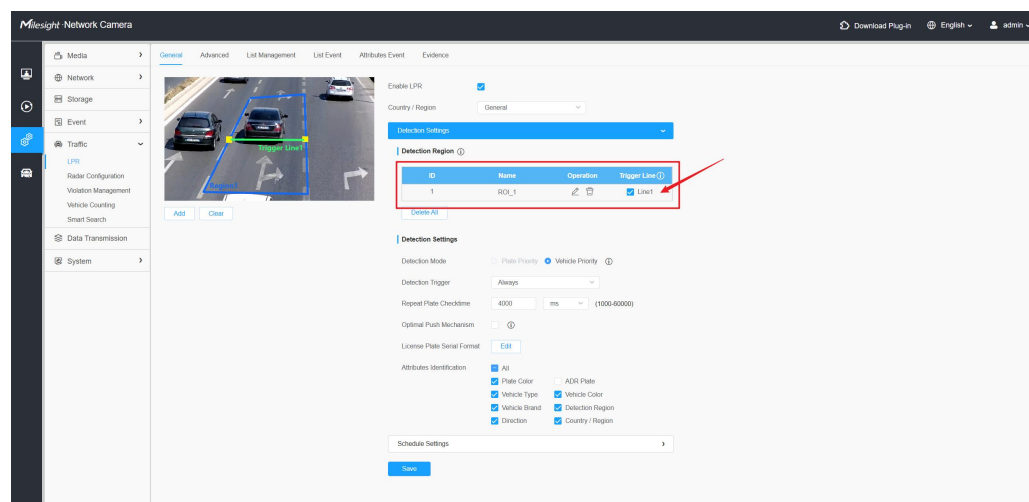For the firmware version, please click the following link to download:

https://www.milesight.com/support/download/firmware#lpr-camera

3. What's new

3.1 New Features

1) Add Trigger Line Logic for LPR Optimization

Trigger line logic added to improve detection precision by focusing on vehicle movement. Events are only pushed when vehicles cross the defined line, helping reduce static detections. For best results, place the line at the center of the detection area, perpendicular to traffic flow.
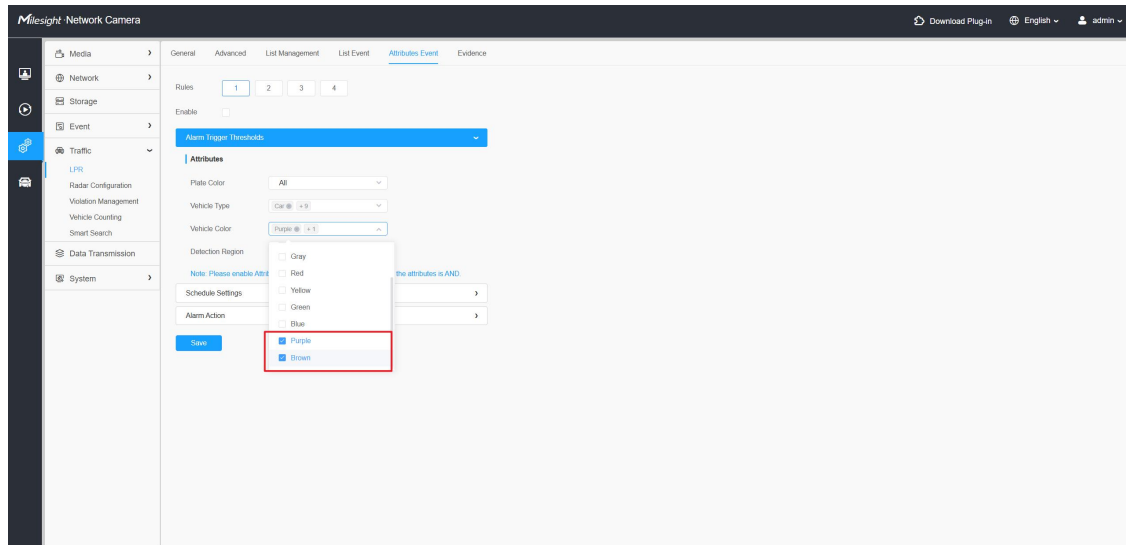

2) Add E-scooter Recognition

E-scooter can now be detected and recognized as a distinct vehicle type, improving classification accuracy for mixed traffic environments.
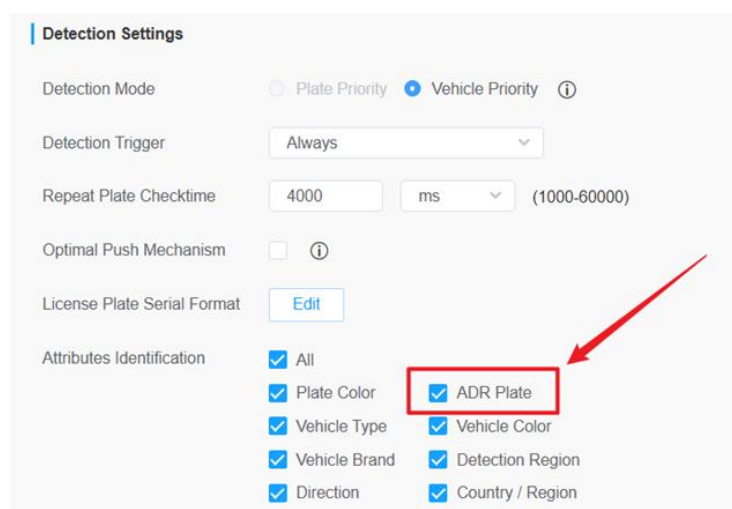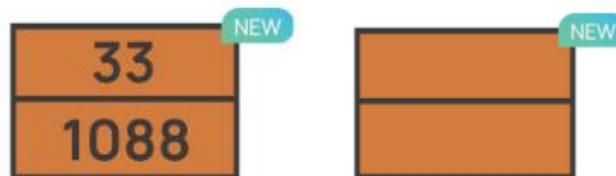
3) Add New Vehicle Colors: Purple and Brown

Vehicle color detection now includes purple and brown, expanding color recognition capabilities and improving detail in search and analysis functions.
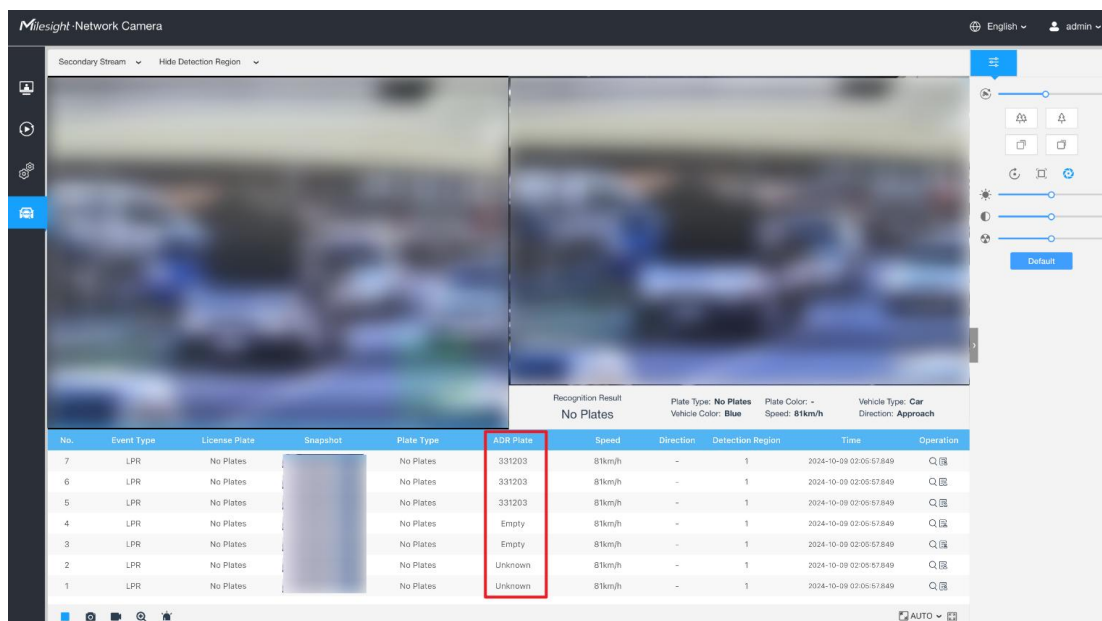
4) Add ADR Recognition

Support added for recognizing ADR orange plates (hazardous goods code signs), including both plates with characters and blank versions. Recognition covers both the plate itself and any hazard identification codes it contains.
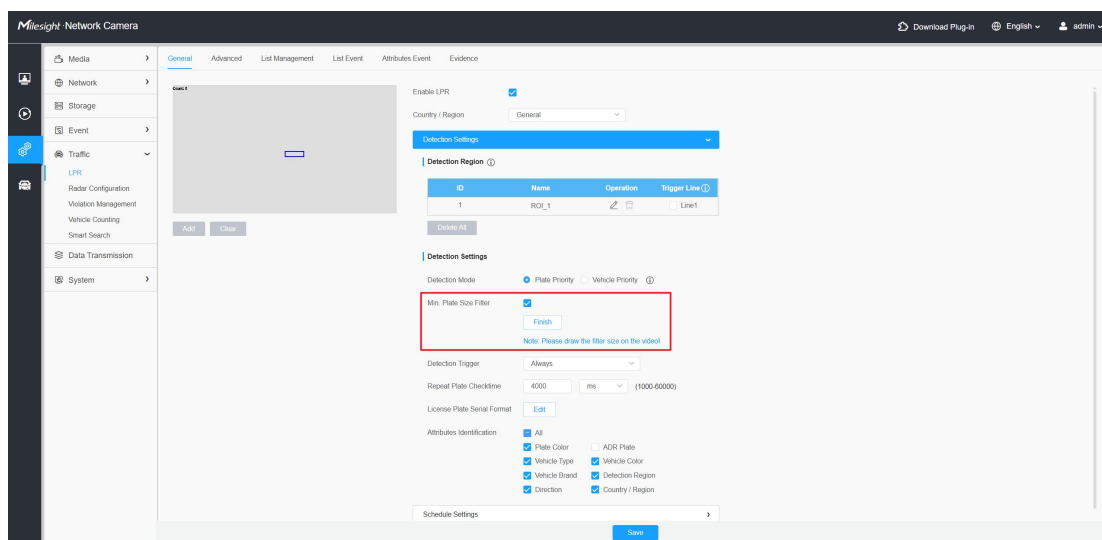
Note: Only rectangular (non-diamond) ADR plates are supported in this version.
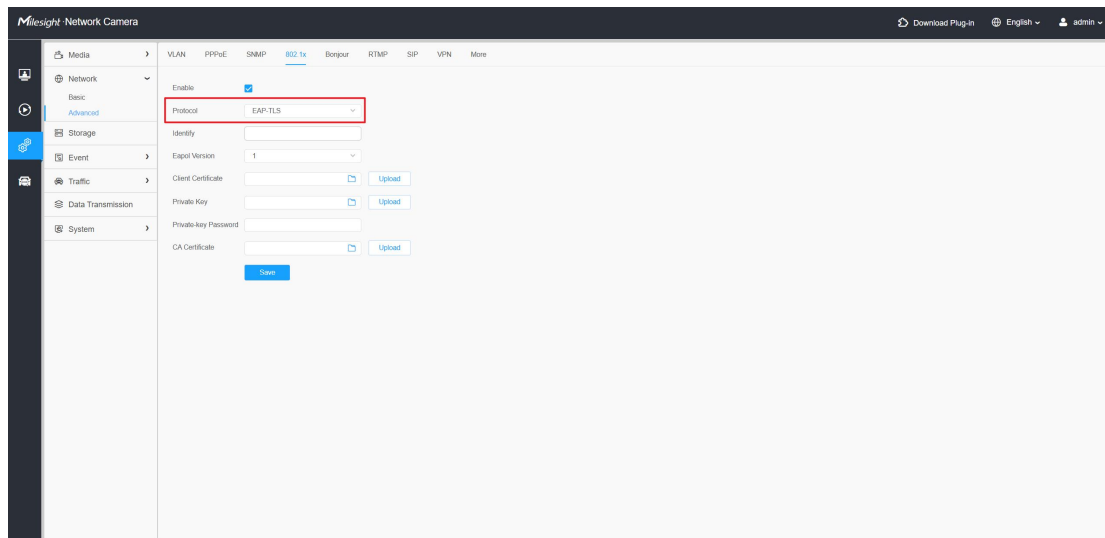
5) Add License Plate Filtering Function

A new filtering feature allows users to draw a reference plate size on the interface. Plates smaller than the defined size will be filtered out, helping improve recognition accuracy and enhance snapshot quality. Please ensure the configured size is appropriate, as setting it too large may lead to missed events.

6) Add 802.1x Support with EAP-TLS Protocol

Enhanced network security through the addition of 802.1x authentication with

EAP-TLS protocol, supporting enterprise-level network access control.

7) Add EXT4 File System Support for SD Cards

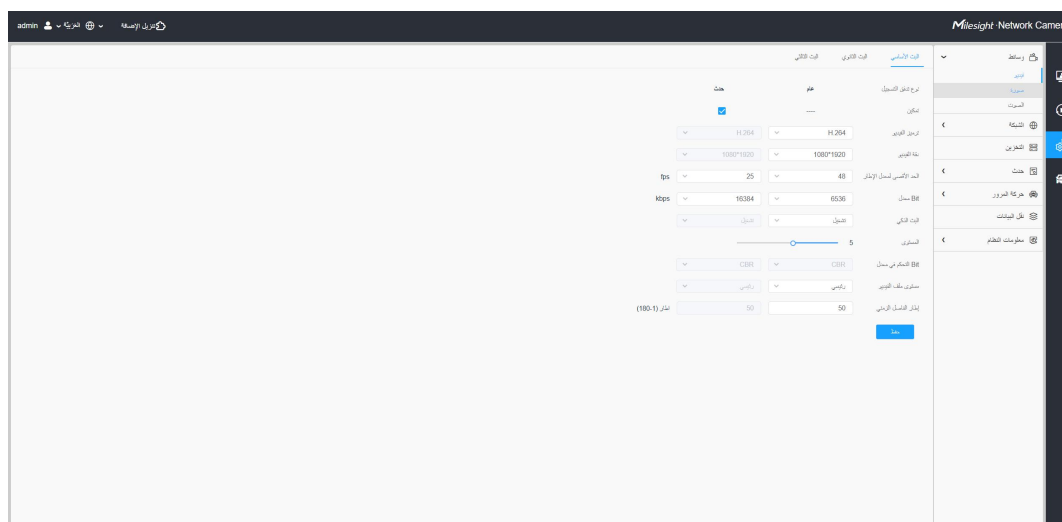The system now supports EXT4 file format for SD cards, providing greater

stability and compatibility in video and data storage.

3.2 Optimization

1) Arabic Localization Optimization

Improved Arabic language interface and localization to better align with Arabic reading conventions and enhance user experience in Arabic-speaking regions.

2) Algorithm Optimization for Vehicle Color Recognition

Upgraded algorithm delivers improved accuracy in recognizing vehicle body colors under various lighting and weather conditions.

3) Expanded and Optimized License Plate Support

Algorithm updates include added license plate support for Austria, Croatia, Denmark, Finland, Monaco, Andorra, Switzerland, Liechtenstein, Ukraine, Serbia, Greece, Ecuador, and Venezuela, as well as regional support for the United Arab Emirates. Recognition precision has been enhanced across all U.S. states, and optimizations have been applied for Japan and Mexico.

4) Compatibility Enhancements

Improved integration and stability with third-party platforms including Nx, Arteco, Axxon, Cathexis, and Milestone.

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