



Milesight Release Note

For Intelligent Traffic Camera

Firmware Version: 45.8.0.3-LPR*-r1

Applicable Model: MS-Cxxxx-xLxC / TSxxxx-xxC

Release Date: 18th November, 2022



1. Overview

Milesight, the best-in-class AIoT surveillance solution provider who manufactures products with superior image quality, exceptional flexibility and reliability for the global market, is pleased to announce the release of the new firmware version 45.8.0.3-LPR*-r1 of Milesight Intelligent Traffic Camera.

In this version, Milesight Intelligent Traffic Camera achieves many brand new functions to manage the traffic more easily, such as **No-plate Vehicle Capture function**, **Attributes Event**, **Evidence function**, etc. Besides, there are many other user-friendly features waiting to be explored. For example, the LPR detection area can be drawn as an irregular quadrilateral. To sum up, you will have a different experience with this version.

2. Firmware link

Firmware	Download Link
45.8.0.3-LPR_AM-r1	https://drive.google.com/file/d/1aAx95bnm5_vd_DjrTxNR8eR9SS5t4-T-/view?usp=share_link
45.8.0.3-LPR_AP-r1	https://drive.google.com/file/d/1Kg59MU8utzyoGhChyVymBsGipGTFk7gE/view?usp=share_link
45.8.0.3-LPR_EU-r1	https://drive.google.com/file/d/179-wA7LKaL2tZ9xu5Zinan_ugKoTMRMI/view?usp=share_link
45.8.0.3-LPR_ME-r1	https://drive.google.com/file/d/1MmPEZ71vVwWMkrhJmD8qvuAm7K3Grzp9/view?usp=share_link
45.8.0.3-LPR1-r1	https://drive.google.com/file/d/1kv4wJfW3DsyfZMkbInXLvxZ0_muRFLI/view?usp=share_link

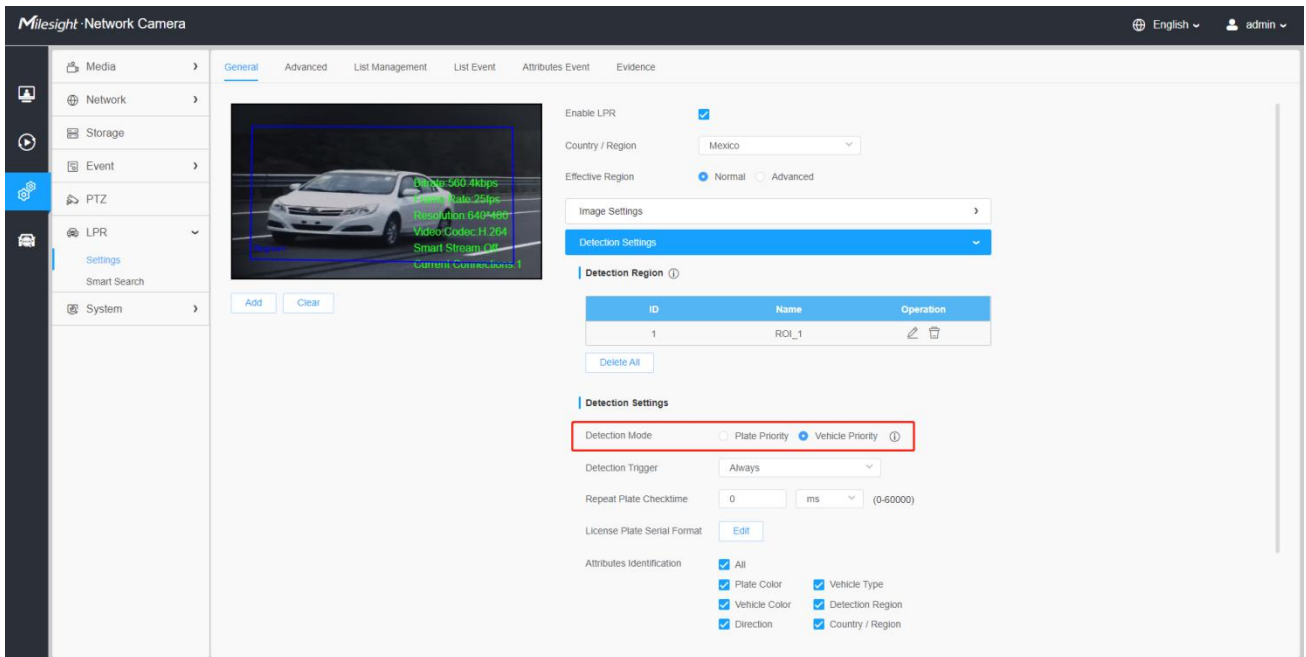
Note:

If you failed to get the upgrade firmware through clicking the link directly, please copy the link to browser manually.

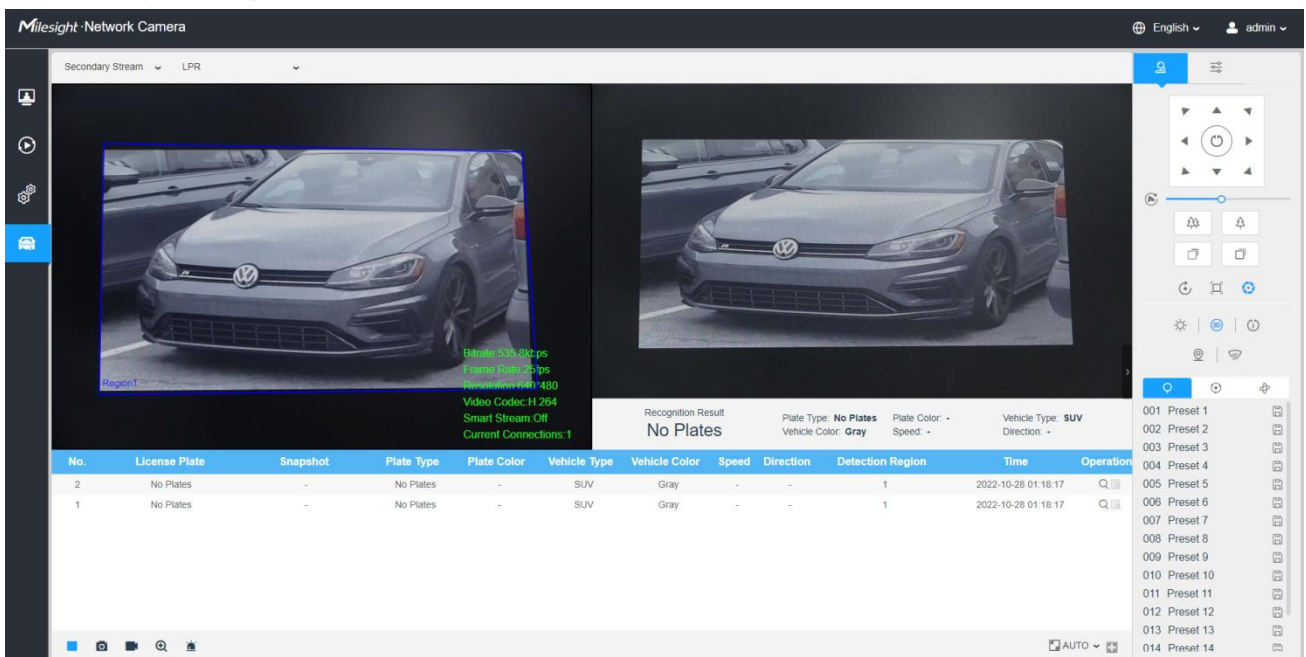
3. What's new

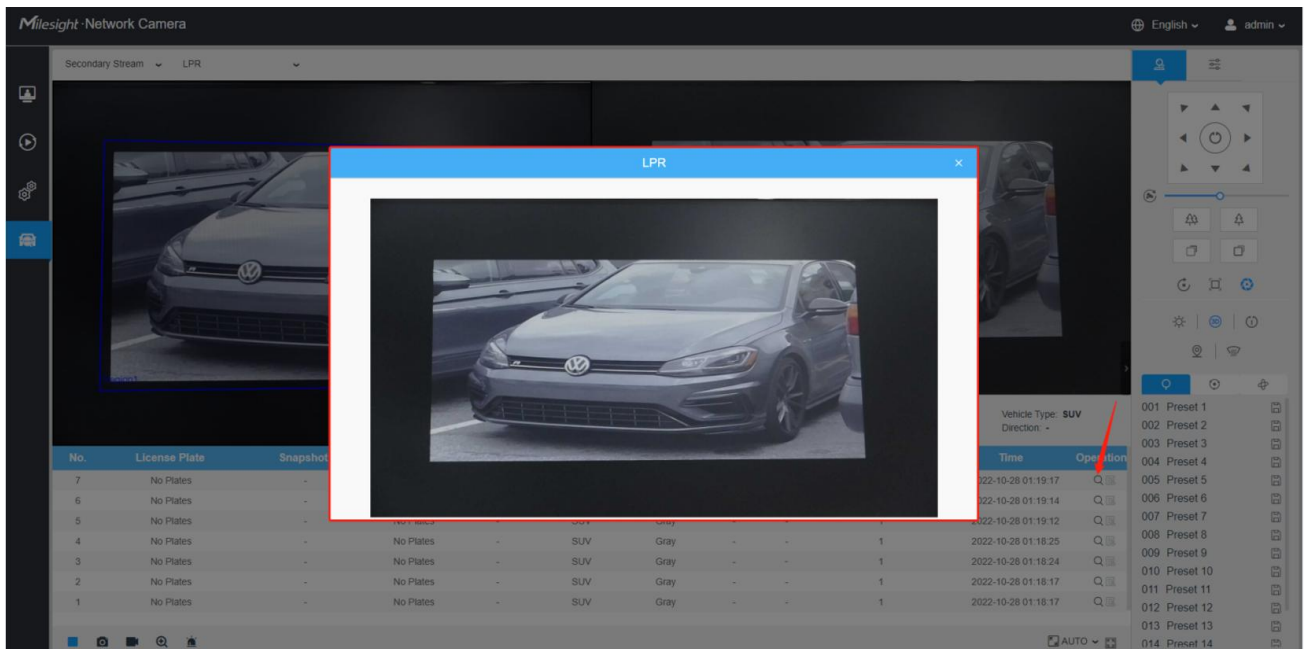
3.1 New Features

- (1) Add **No-plate Vehicle Capture** function, which supports real-time detection of vehicles without license plate.
- Add **Vehicle Priority Detection Mode**, which can identify vehicles without license plates.

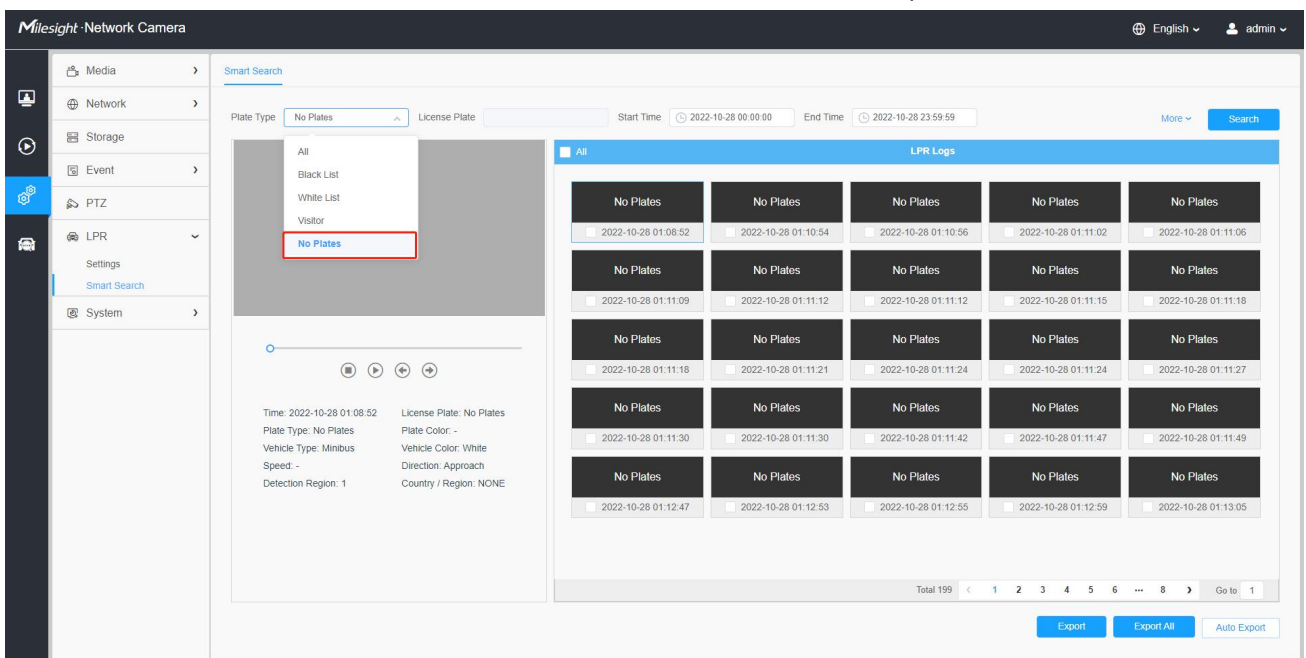


- Vehicles without license plates will be detected and captured by the cameras in real time as they pass by, helping law enforcement.

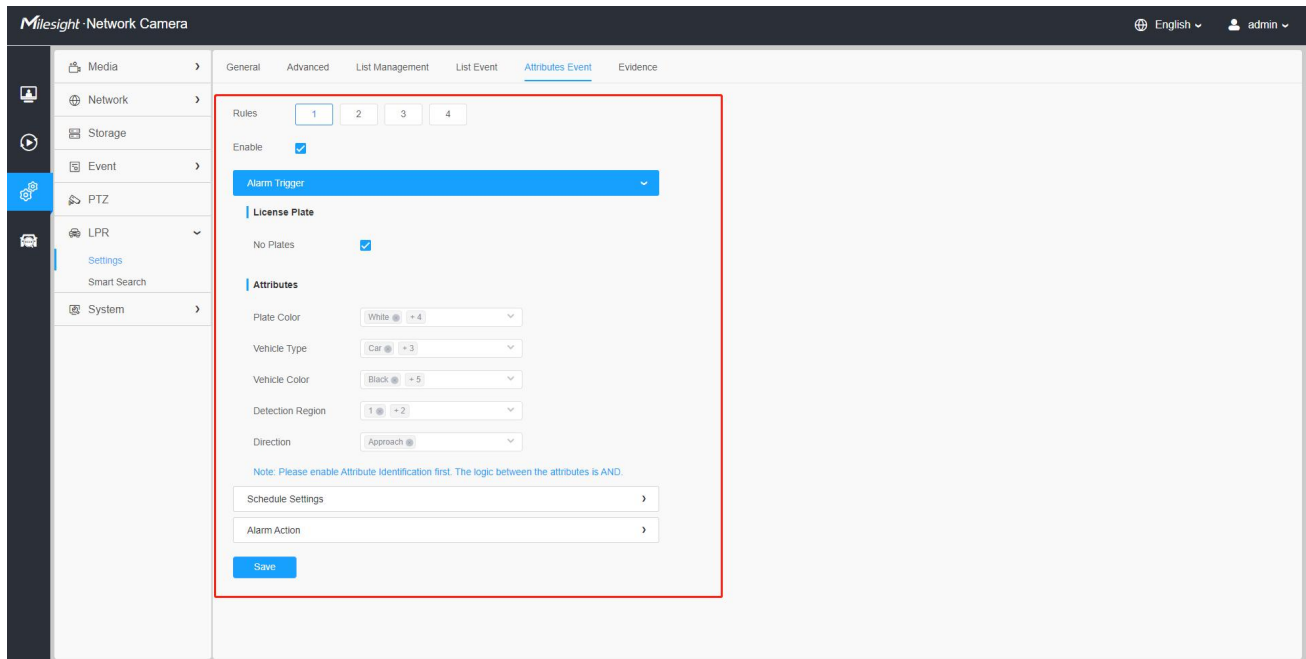




- Smart Search interface can filter results of vehicles without license plates.

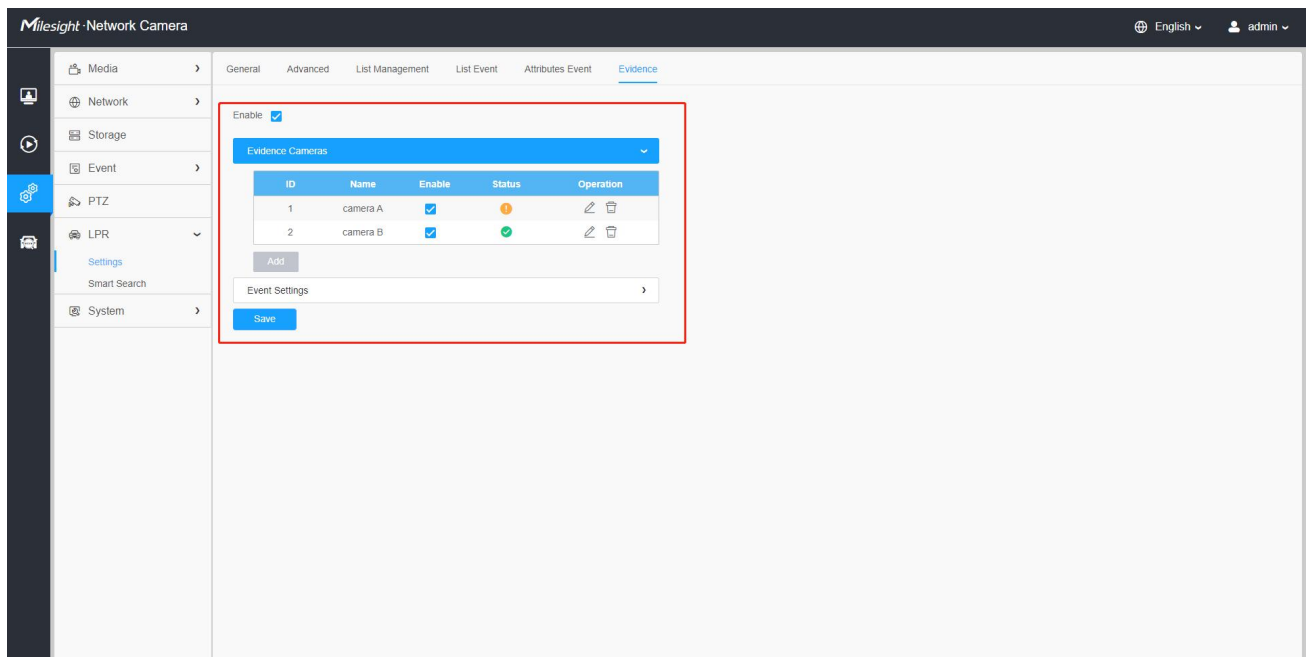


- (2) Support **Attributes Event**, which can trigger alarms by corresponding attributes of the vehicle and plate or by No-plate Vehicle. This function can be of great help in urban management, such as detecting whether there is a vehicle illegally occupying the bus lane, or detecting whether there is a truck entering the city road during the day, etc., to meet a variety of uses.

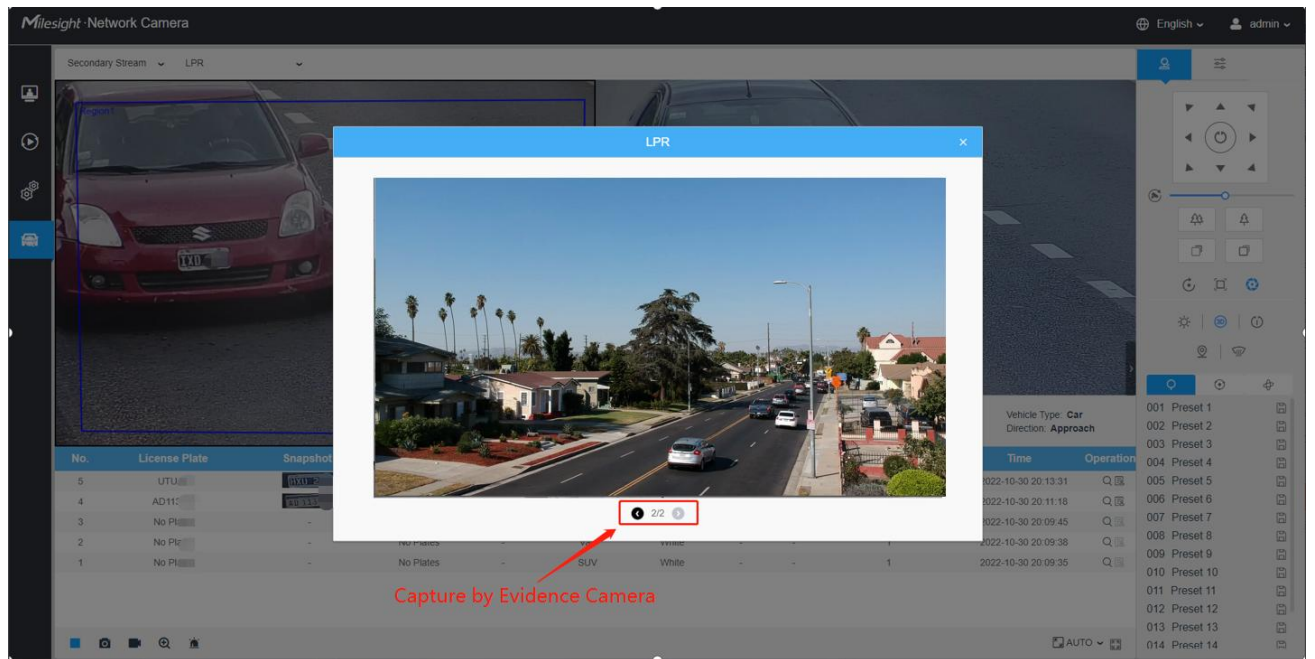
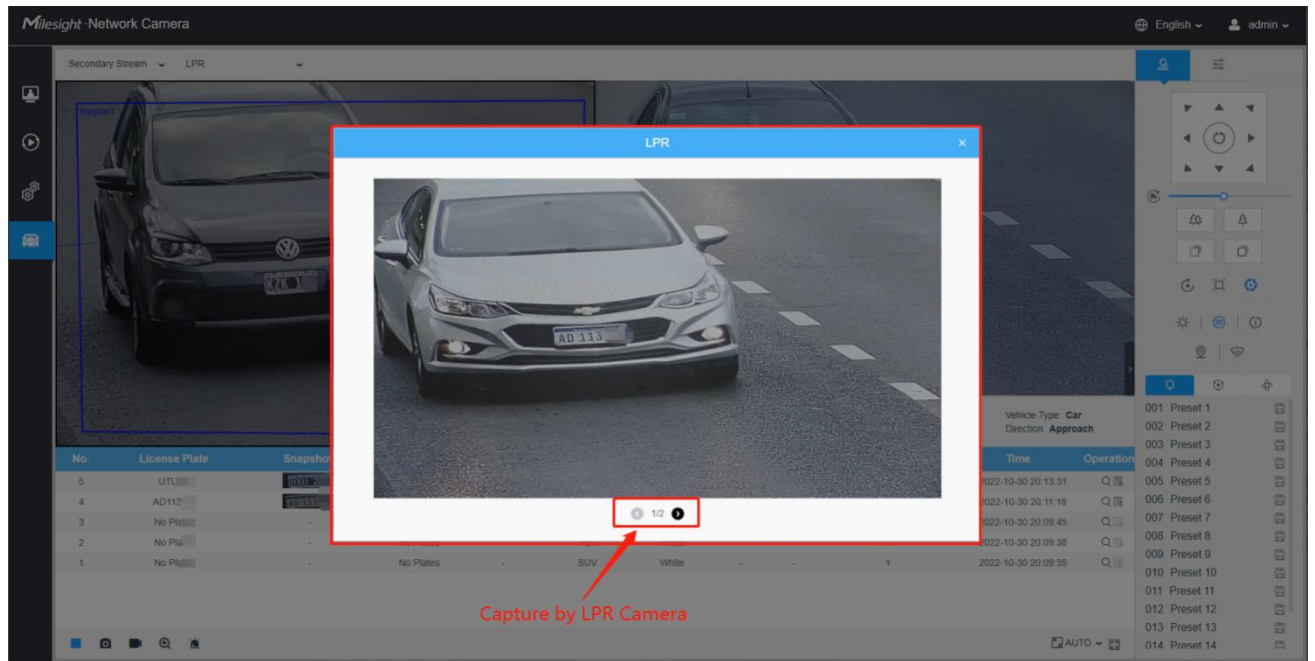
**Note:**

- Up to 4 attribute event rules can be set.
- Please enable Attribute Identification first. The logic between the attributes is AND.
- Please make sure your model is TSxxxx-xxC.

(3) Support **Evidence** function. This function can bind other cameras as evidence cameras to assist in capturing the entire monitoring scene of LPR camera to facilitate forensics and help law enforcement.



- The evidence camera will work together to capture the scene when the LPR camera captures the license plate, which can be viewed on the Live View interface of LPR Mode.



- Smart Search interface can search and export the image captured by evidence camera.

Milesight Network Camera

Smart Search

Plate Type: All License Plate: Start Time: 2022-11-03 00:00:00 End Time: 2022-11-03 23:59:59

Capture by LPR Camera

2022-11-03 23:41:55

Time: 2022-11-03 23:42:00 License Plate: AD11
Plate Type: Visitor Plate Color: White
Vehicle Type: Car Vehicle Color: White
Speed: - Direction: -
Detection Region: 1 Country / Region: NONE

LPR Logs

Total 362

Export Export All Auto Export

Milesight Network Camera

Smart Search

Plate Type: All License Plate: Start Time: 2022-11-03 00:00:00 End Time: 2022-11-03 23:59:59

Capture by Evidence Camera

2022-11-03 23:41:55

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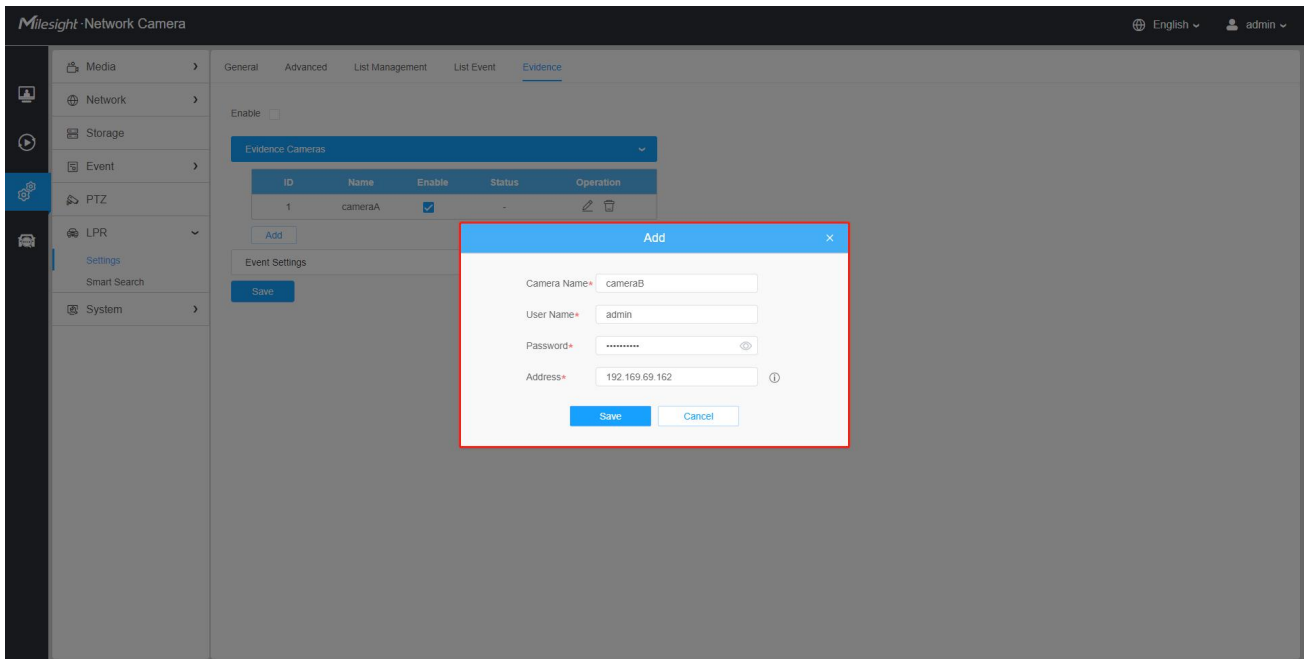
LPR Logs

Total 362

Export Export All Auto Export

Note:

- You can add an evidence camera by entering the evidence camera's user name, password and Address. And the camera name of the evidence camera can be customized. For the Address, input evidence camera IP directly for Milesight camera, and snapshot URL is supported for third-party camera.



- Up to 2 evidence cameras can be added.
- Evidence camera captures primary stream picture by default.
- Please make sure your model is TSxxxx-xxC and MS-Cxxxx-xLxC.

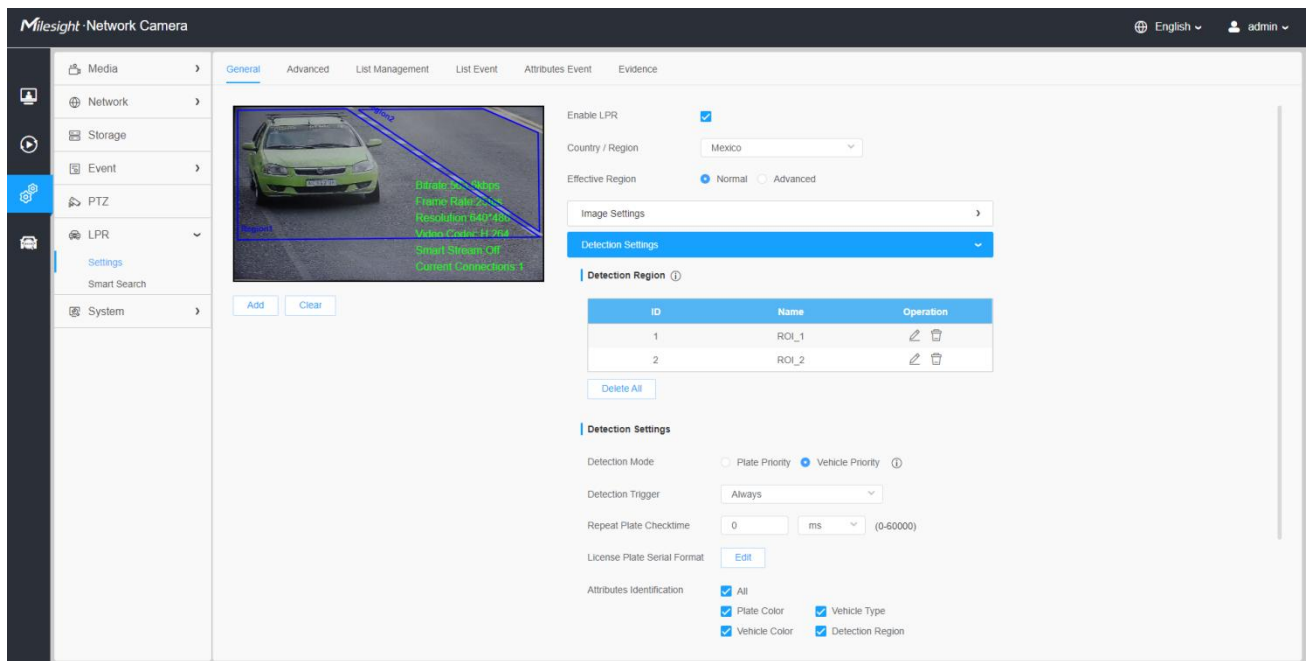
(4) Optimize attribute recognition function. The classification of vehicle types is increased to 14 types of vehicles, greatly enhancing the applicability. And vehicle color recognition is optimized to ensure higher accuracy.

Note:

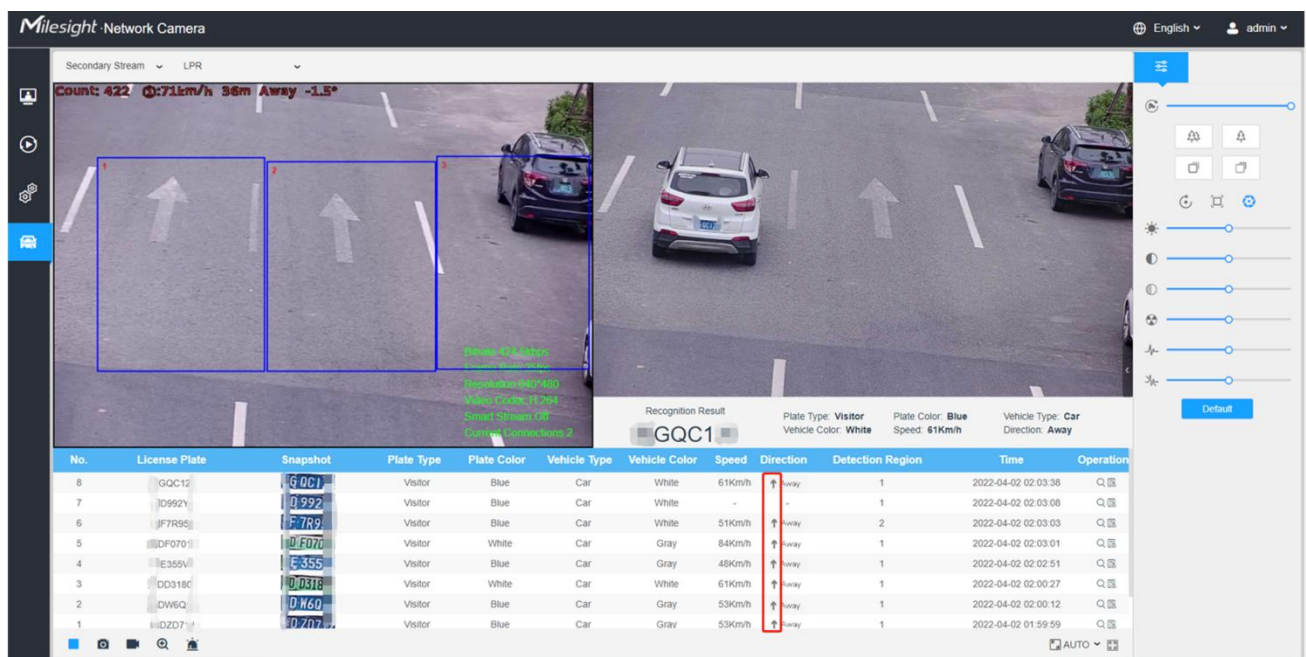
- The vehicle types currently supported for identification include Car, SUV, Van, Bus, Forklift, Excavator, Tow truck, Truck, Fire engine, Ambulance, Police car, Motorbike, Bicycle, E-Bike and Other.

3.2 Optimizations

(1) The LPR detection area can be drawn as an irregular quadrilateral, which greatly enhances the scene adaptability.



(2) Add arrows for the direction detection in the LPR Mode interface, which makes the display more intuitive.



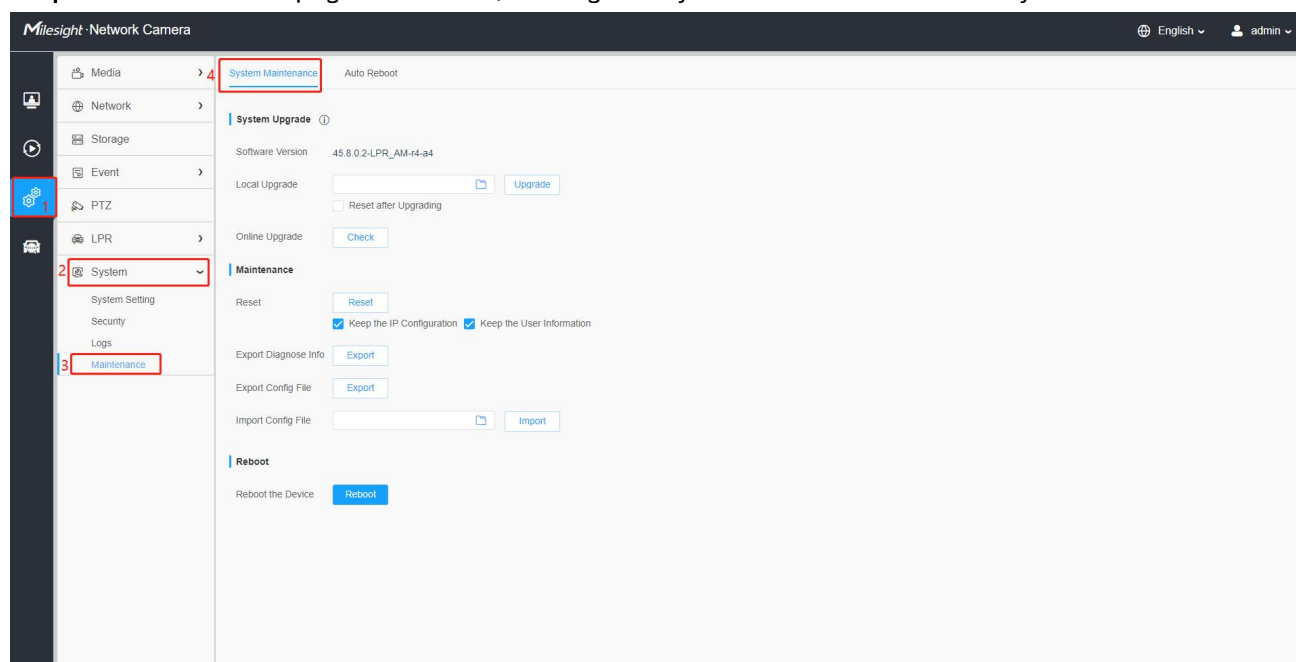
- (3) Optimize the number of License Plate Character to 10 characters to meet more user needs.
- (4) Optimize logs export logic in Smart Search of LPR to make it easier for users.
- (5) Optimize the function of PTZ model, remove the PTZ Auto Tracking to focus on LPR function.
- (6) Optimize the overspeed capture effect of Radar models for higher capture accuracy.
- (7) Optimize the logic for switching from night to day in Auto Mode when LPR Image Mode is enabled.
- (8) Add LPR function applicable to Zealand with high algorithmic accuracy.
- (9) Optimize the LPR algorithmic accuracy of Brazil and Mexico.

- (10) Optimize the clarity of the Milesight LOGO on the Web interface.
- (11) Optimize other functions.

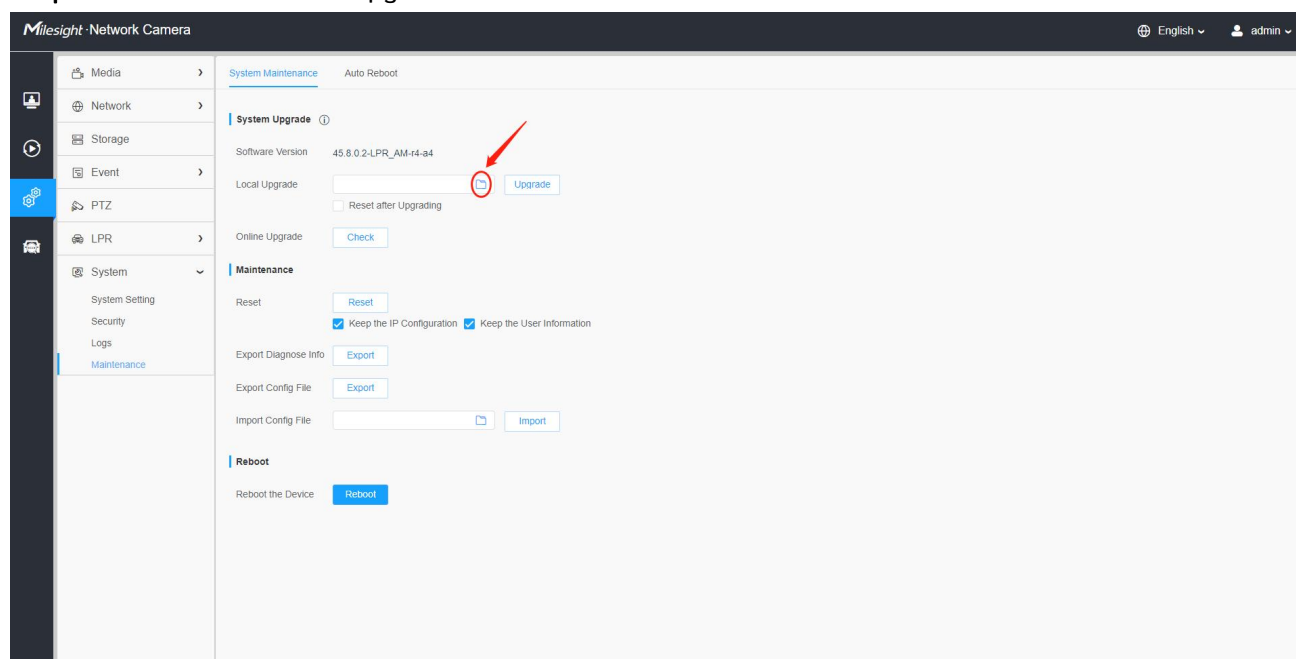
4. Upgrade steps

Please check each model with the right firmware version as mentioned above, then upgrade as the following steps:

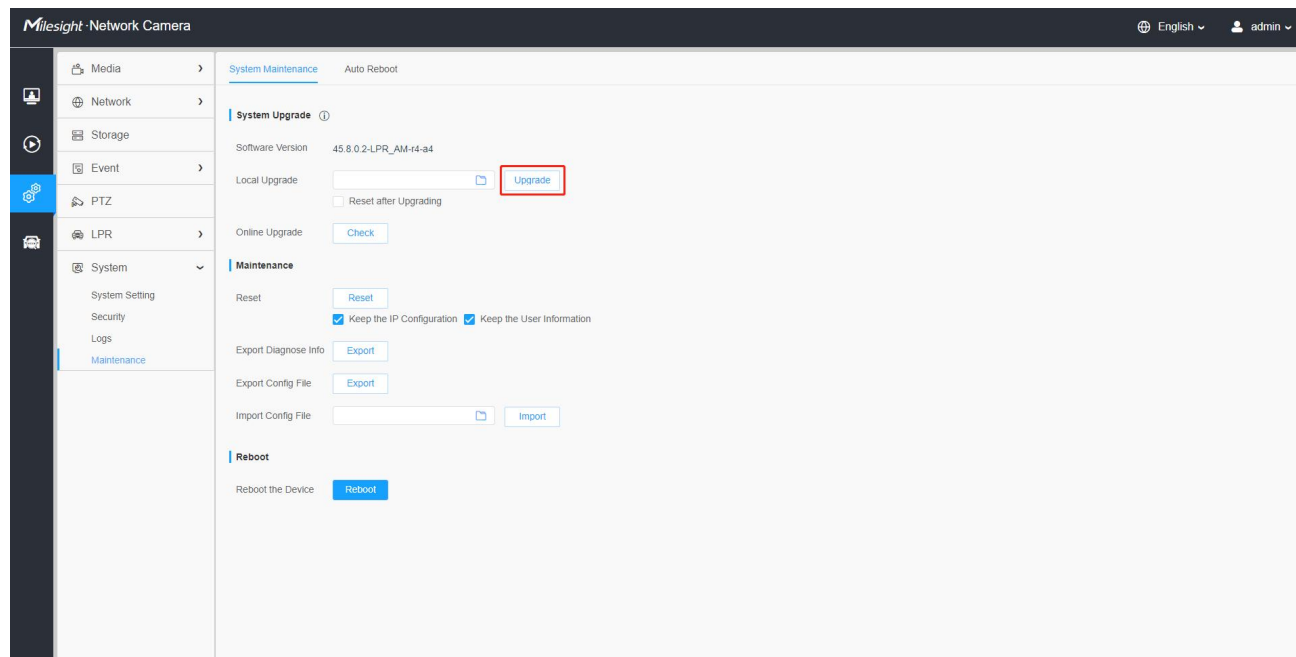
Step 1: Go to the web page of Camera, Settings -> System -> Maintenance -> System Maintenance.



Step 2: Choose file for the upgrade.



Step 3: Click the "Upgrade" button, then please wait about 1~3 minutes. The upgrade will be done after the system reboots successfully.



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