Milesight Release Note for Intelligent Traffic Camera

Firmware Version: T_62.8.0.5

Applicable Model: SingleVision TrafficX Camera

Release Date: 5th November, 2026

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_62.8.0.5 for its Intelligent Traffic Camera.

In this version, we have expanded the traffic intelligence capabilities of the SingleVision TrafficX Camera with **Phone Use, Seatbelt Unfastened, Illegal Lane Change, and Special Lane Occupation Detection.** We have enhanced vehicle recognition algorithms and improved system integration with Genetec compatibility, **ONVIF**, and **Remote Management Platform** support. Additional optimizations include **GPS data transmission**, enhanced heated glass deicing, and expanded imaging and lighting capabilities for the 12MP model.

2. Firmware Version Download

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

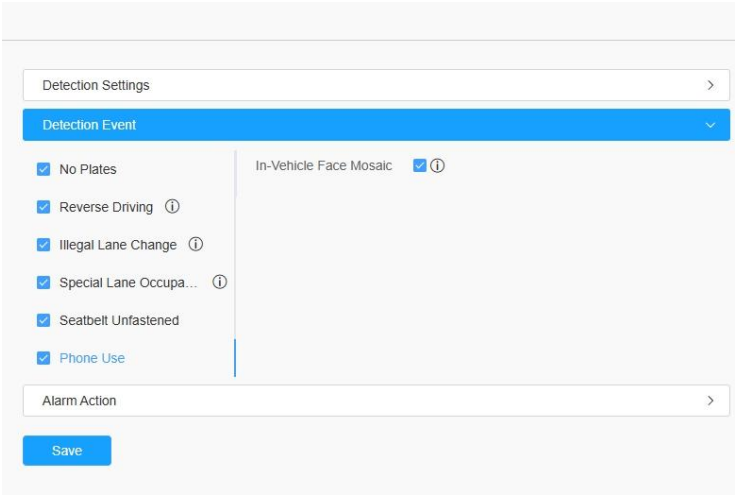
https://www.milesight.com/support/resources/firmware#intelligent-traffic

3. What's new

3.1 New Features

1) New Violation Management

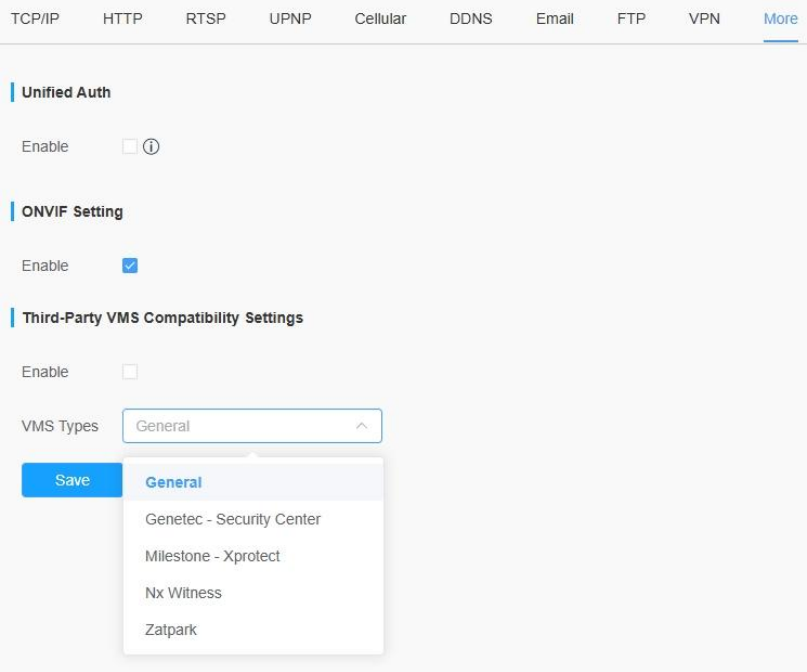
- Added Phone Use and Seatbelt Unfastened detection for front-row drivers and passengers, enabling the camera to capture and report distracted driving and seatbelt violations.
- Added Illegal Lane Change detection to identify and capture vehicles crossing configured solid white lines, solid yellow lines, or double solid yellow lines, helping monitor illegal lane changes on urban roads and highways.
- Added Special Lane Occupation detection for emergency lanes, bus lanes, and truck-restricted lanes. The camera identifies unauthorized vehicle occupation based on configured lane types, vehicle types, and prohibited time periods.



2) Third-Party VMS Compatibility Settings

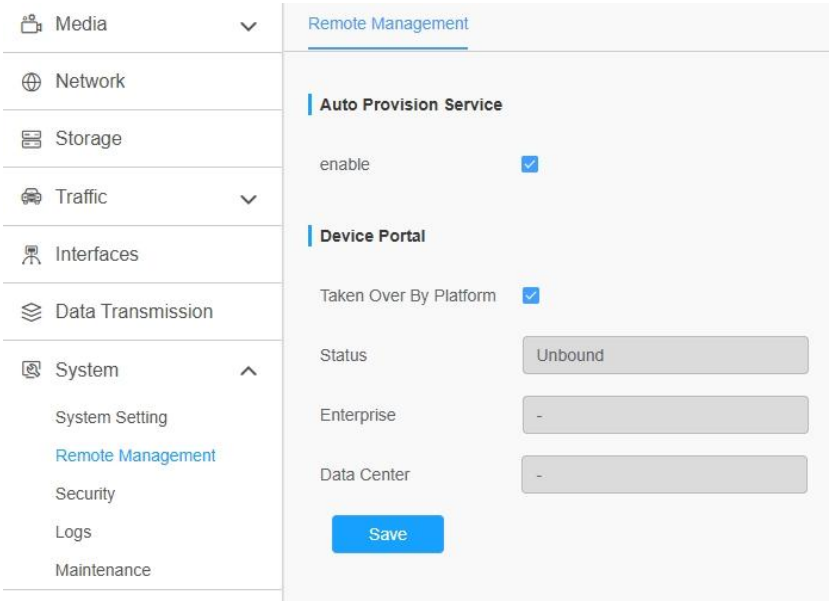
Added Third-Party VMS Compatibility Settings, including a Genetec

compatibility option, to improve integration with third-party video management systems.



3) Remote Management Platform Integration

Added remote management platform integration, allowing devices to be added to the management platform for centralized device management and batch firmware upgrades.



3.2 Optimization

1) Vehicle Type Classification and Brand Recognition Algorithm Optimization

Updated vehicle type classification and brand recognition algorithms, adding four vehicle subtypes: MPV, Pick-up, Mini Truck, and Trailer. The supported vehicle types now include Car, SUV, MPV, Pick-up, Van, Bus, Truck, Mini Truck, Trailer, Fire Engine, Ambulance, Motorbike, Bicycle, and Others. The new subtypes are also supported in Smart Search.

2) GPS Information in Data Transmission Templates

Added GPS information to data transmission templates, enabling GPS coordinates to be included in event data.

3) Date and Time Settings Enhancement

Added 12-hour time format support for date and time configuration.

4) ONVIF Integration Optimization

Updated ONVIF integration to improve compatibility with third-party systems.

5) 12MP Model: License Plate Recognition Enhancements

- Added support for up to 4 lanes in Lane Mode.
- Increased the license plate blacklist and whitelist capacity to 100,000 entries.

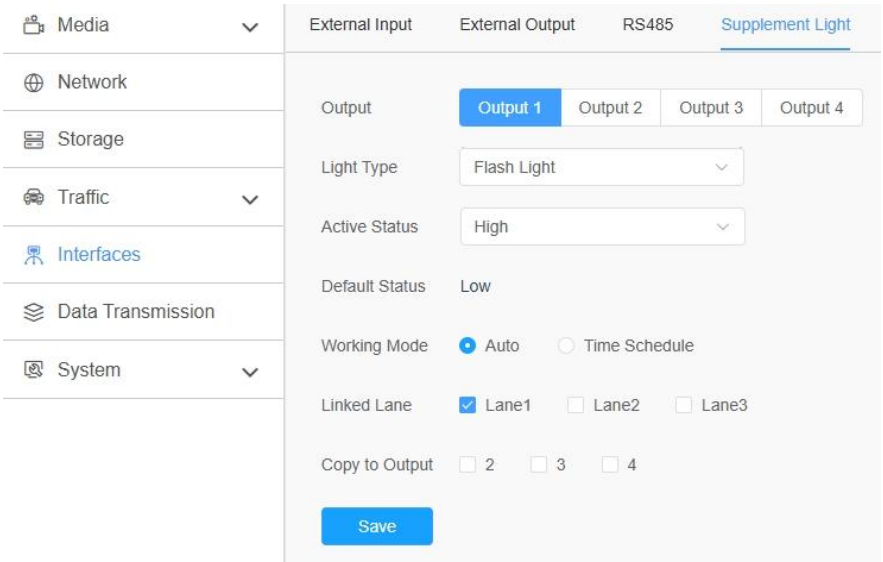
- Added Position Priority and Plate Quality Priority capture modes, allowing users to select between fixed-position capture and optimized license plate image quality.

6) 12MP Model: Image Configuration Enhancements

- Added Region Focus for more flexible image focusing.
- Added Image Adjustment settings for brightness, contrast, and saturation.

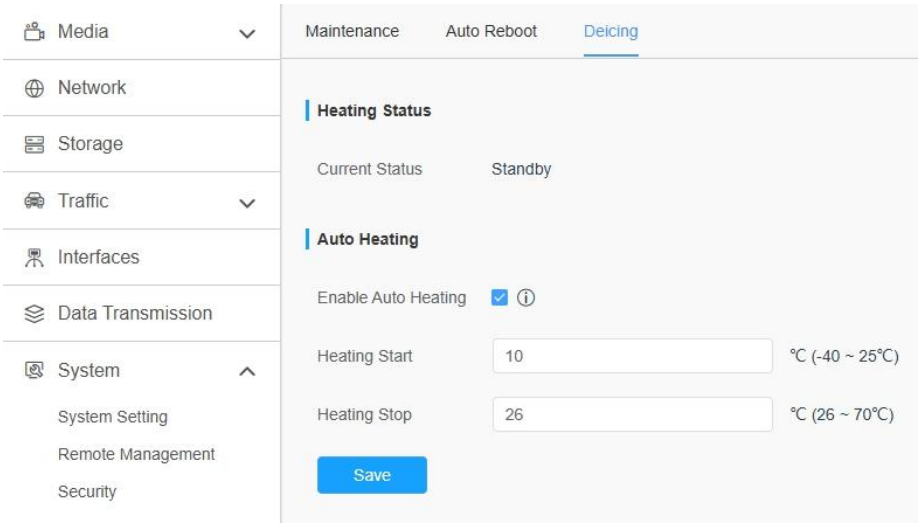
7) 12MP Model: External Supplementary Light Interface Enhancement

Expanded external supplementary light outputs to 4 channels, supporting connections to external strobe lights and flash lights.



8) 12MP Model: Heated Glass Deicing Optimization

Enhanced the automatic deicing function with configurable heating start and stop temperatures, allowing more flexible control of the heated glass.


Media
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Data Transmission
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System Setting
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Auto Heating
Enable Auto Heating
Heating Start
10
℃ (-40 ~ 25℃)
Heating Stop
26
℃ (26 ~ 70℃)
Save

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