



# Milesight Release Note for Intelligent Traffic Camera

Firmware Version: T\_63.8.0.4-r5

Applicable Model: MS-Cxxxx-xLxG1/TSxxxx-xxxG1

Release Date: 16<sup>th</sup> January, 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\_63.8.0.4-r5 for its Intelligent Traffic Camera.

In this version, we have optimized **Profile G** and significantly enhanced **compatibility** with major platforms including Network Optix, Genetec, and Milestone. The **Wiegand** interface has been expanded to support 26/34/72/80-bit formats, and we have introduced **Tailscale VPN** support along with **MQTT TLS** for more secure and flexible connectivity.

This version features strategic **firmware re-planning** and **optimized Entrance & Exit recognition**. Algorithm enhancements and bug fixes have been implemented for **over 20 regions**, including Malaysia, the UK, and Japan. Additionally, the **Smart Search** export limit has been increased to 20,000, and **user experience** has been improved with multiple UI optimizations and new preset functionalities.

## 2. Firmware Version Download

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

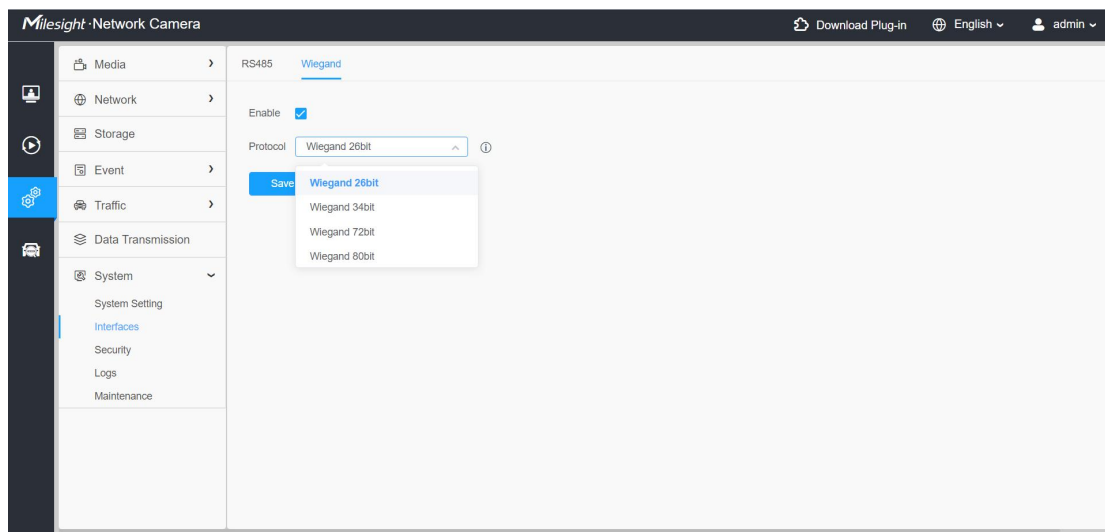
<https://www.milesight.com/support/resources/firmware#intelligent-traffic>

## 3. What's new

### 3.1 New Features

#### 1) Expanded Wiegand Interface Support

The Wiegand interface has been upgraded from 26-bit to support 26-bit, 34-bit, 72-bit, and 80-bit formats, offering broader integration options with various access control systems.



#### 2) Enhanced User Experience and Configuration Usability

Refined multiple UI components for a smoother interactive experience. Key updates include:

**Day/Night Focus Optimization:** Optimized focus preset calling to ensure image clarity during light transitions, with the addition of a "Call Preset" function.

**Precision Tools:** Introduced "Zoom in and Draw" for more accurate detection area settings.

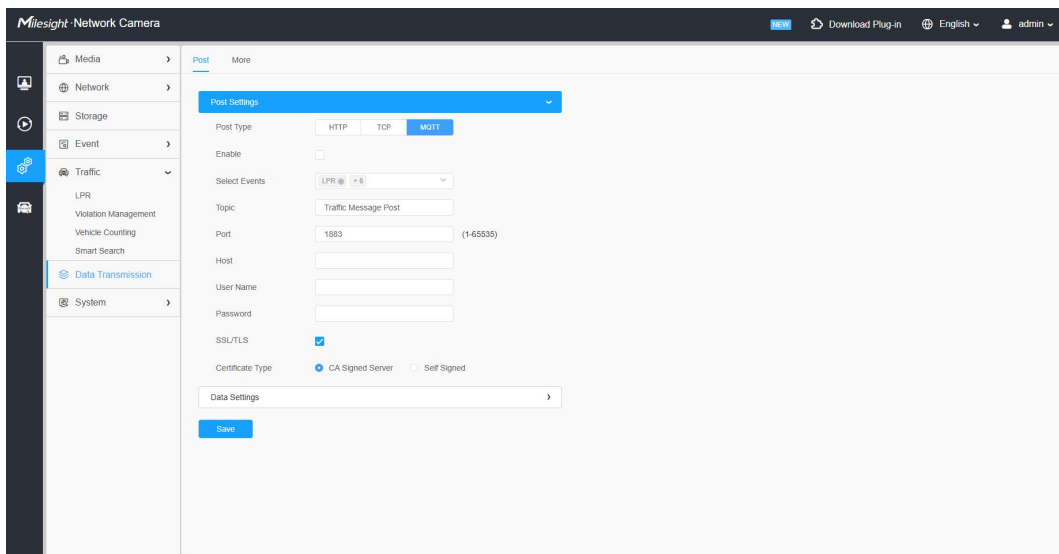
**Parameter Input:** Image adjustment sliders now support direct numerical input for fine-tuning settings with higher precision.

### 3) New Firmware Planning

Firmware versions have been re-categorized by grouping regions with similar recognition characteristics to enhance overall algorithm efficiency. Please refer to the attached "License Plate Recognition Supported Regions Table" to ensure the correct version is selected for your region.

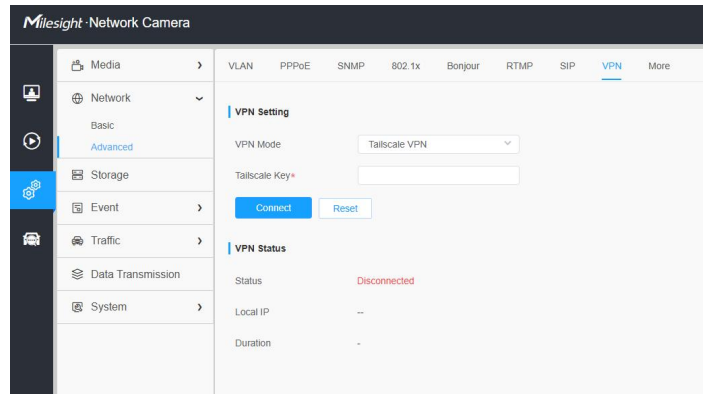
### 4) MQTT Security Enhancement

Added TLS (Transport Layer Security) support for MQTT, ensuring that all data transmitted between the device and the broker is encrypted and protected against interception.



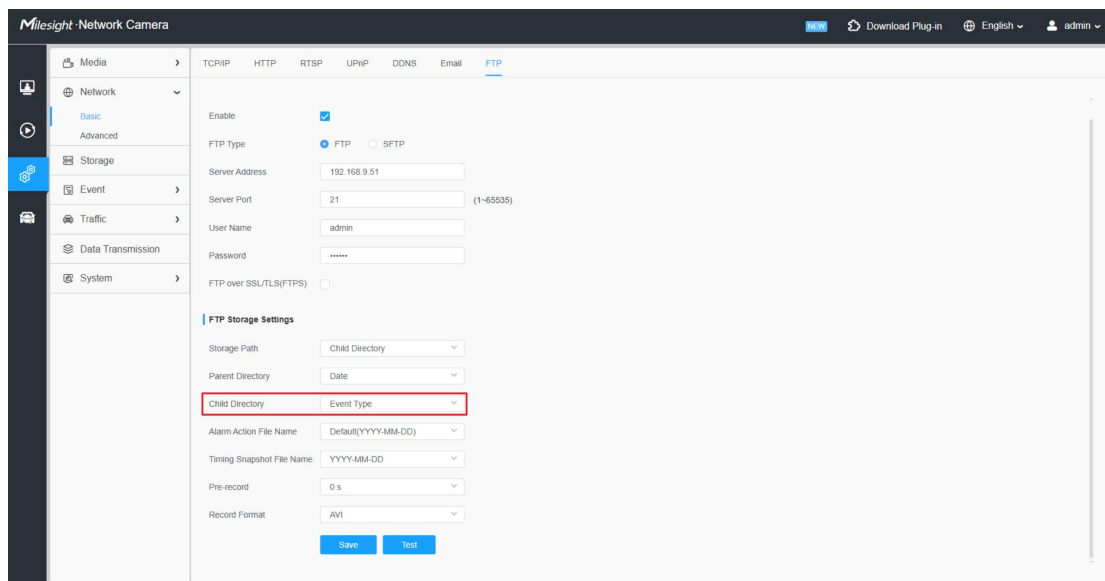
### 5) Integrated Tailscale VPN Support

Newly integrated Tailscale VPN support allows for simplified, secure remote networking. This enables users to access and manage devices remotely without the need for complex firewall configurations or port forwarding.



## 6) Event-Based FTP Path Customization

FTP storage logic has been optimized to allow snapshots and video recordings to be categorized into specific paths based on event types, facilitating more organized data archiving and retrieval.



## 3.2 Optimization

### 1) Profile G Optimization and Enhanced Platform Compatibility

Optimized Profile G implementation to improve edge storage management and retrieval. Additionally, overall compatibility has been enhanced for a wide range of platforms, including Network Optix, 3dEYE, Artec, Genetec, ExacqVision, Milestone, Camcloud, Zatpark, Luxriot, and Obseron.

## 2) Multi-Region Algorithm Enhancements and Bug Fixes

Implemented targeted algorithm improvements and bug fixes for over 20 regions, including Malaysia, Belgium, Indonesia, Australia, Czech Republic, Europe, Kuwait, Middle East, Vietnam, New Zealand, Thailand, UK, Japan, Ukraine, Colombia, Philippines, Peru, Israel, Germany, Hungary, Nigeria, Iran, and Mongolia.

## 3) Expanded Smart Search Export Limit

The Smart Search export capacity has been upgraded from a maximum of 8,000 to 20,000 records, allowing users to handle larger datasets and more extensive historical logs.

## Appendix: License Plate Recognition Supported Regions

Firmware	Supported Regions				
<b>LPR_AP</b> *Asia-Pacific, including Oceania	Australia	Hong Kong (China)	Indonesia	Japan	Malaysia
	New Zealand	Philippines	Singapore	South Korea	Thailand
	Vietnam				
<b>LPR_CIS &amp; IN</b> *Commonwealth of Independent States (Russian-speaking regions) and India & surrounding countries	Bangladesh	Belarus	India	Kazakhstan	Kyrgyzstan
	Moldova	Russia	Tajikistan	Turkmenistan	Uzbekistan
<b>LPR_EU</b> *Europe	Åland Islands	Albania	Andorra	Armenia	Austria
	Azerbaijan	Belgium	Bosnia and Herzegovina	Bulgaria	Croatia
	Cyprus	Czech Republic	Denmark	Estonia	Finland
	France	Georgia	Germany	Gibraltar	Greece
	Guernsey	Hungary	Iceland	Ireland	Italy
	Jersey	Latvia	Liechtenstein	Lithuania	Luxembourg
	Malta	Monaco	Montenegro	Netherlands	North Macedonia
	Norway	Poland	Portugal	Romania	San Marino
	Serbia	Slovakia	Slovenia	Spain	Sweden
	Switzerland	Ukraine	United Kingdom	Vatican City	
<b>LPR_LA</b> *Latin America, including Central America and Mexico	Argentina	Brazil	Chile	Colombia	Ecuador
	Mexico	Trinidad and Tobago	Uruguay		
<b>LPR_MEA</b> *Middle East and	Bahrain	Iran	Israel	Jordan	Kuwait
	Lebanon	Morocco	Oman	Qatar	Saudi Arabia

Africa	South Africa	Syria	Turkey	United Arab Emirates	Yemen
<b>LPR_NA</b> *North America	Canada	United States			

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