



Milesight Release Note

Firmware Version: SC211_21.1.0.8-r1

Release Date: 23th October, 2024

1. Overview

Milesight, the best-in-class AIoT surveillance solution provider that 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 SC211_21.1.0.8 of the Milesight 4G Solar-powered Traffic Sensing Camera.

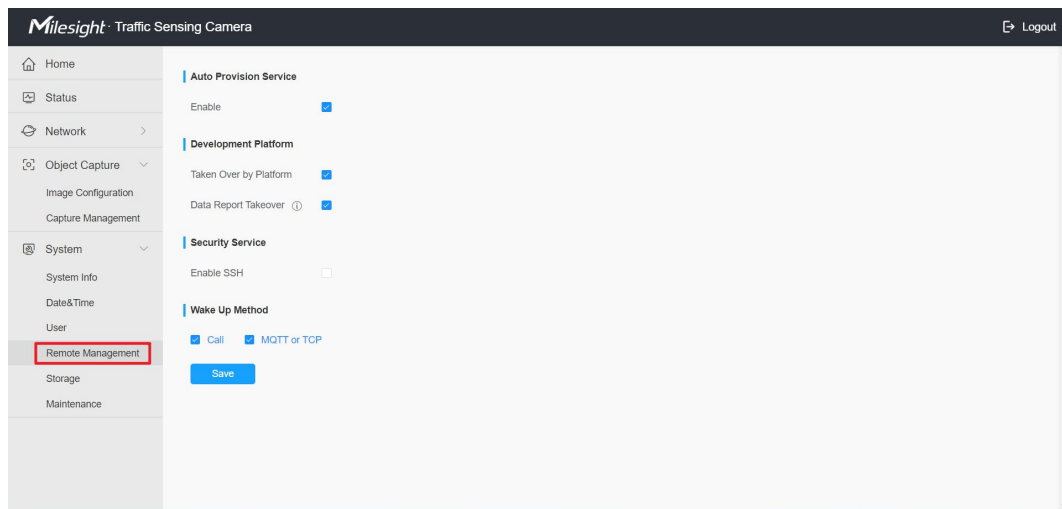
In this version, Milesight has introduced new features and made several optimizations to provide an enhanced product experience. New additions include **integration with the Milesight Developer Platform**, the **TCP wake-up method**, **real-time video stream viewing** functionality, and support for **configuration import and export**. The snapshot data has also been enriched by adding GPS and millisecond data information. Additionally, the display of the Cropping Region size has been improved, and the outline of license plates at night has been optimized in the images.

2. What's new

2.1 New Features

- 1) Integrate with the Milesight Developer Platform
- ❖ Integrate with the Milesight Developer Platform to enhance device deployment efficiency and manage devices uniformly. You can now register an account and add devices through the following link: <https://account.milesight.com/login>. Once the devices are correctly

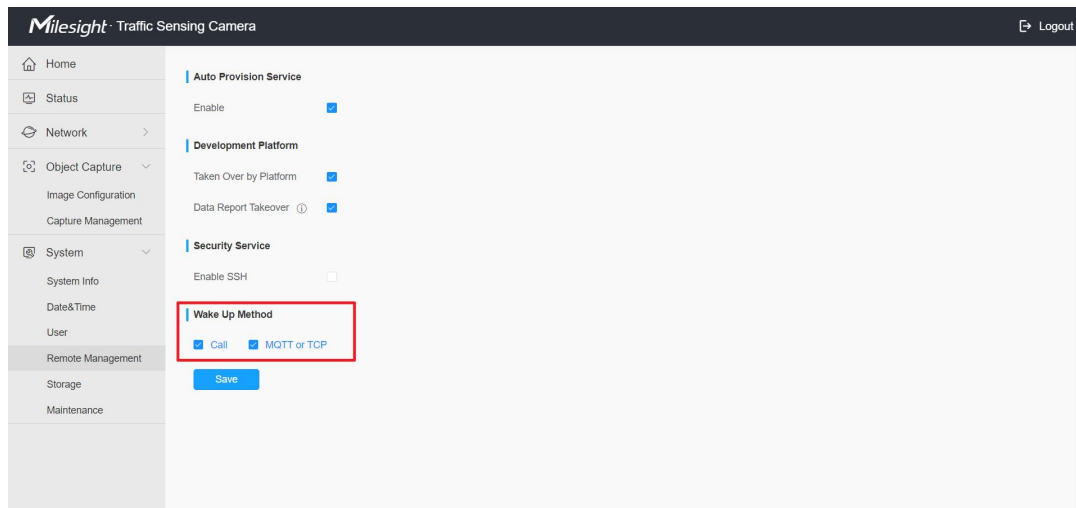
connected to the platform, you can batch configure cameras, remotely modify configurations, and receive reported images via the platform.



2) Added TCP wake up method

- ❖ Added support for TCP wake up of devices. When this option is enabled, the device can be awakened when a TCP client initiates a connection, disconnects, or sends any information. This feature facilitates device management using the HTTP API, providing convenience for users.

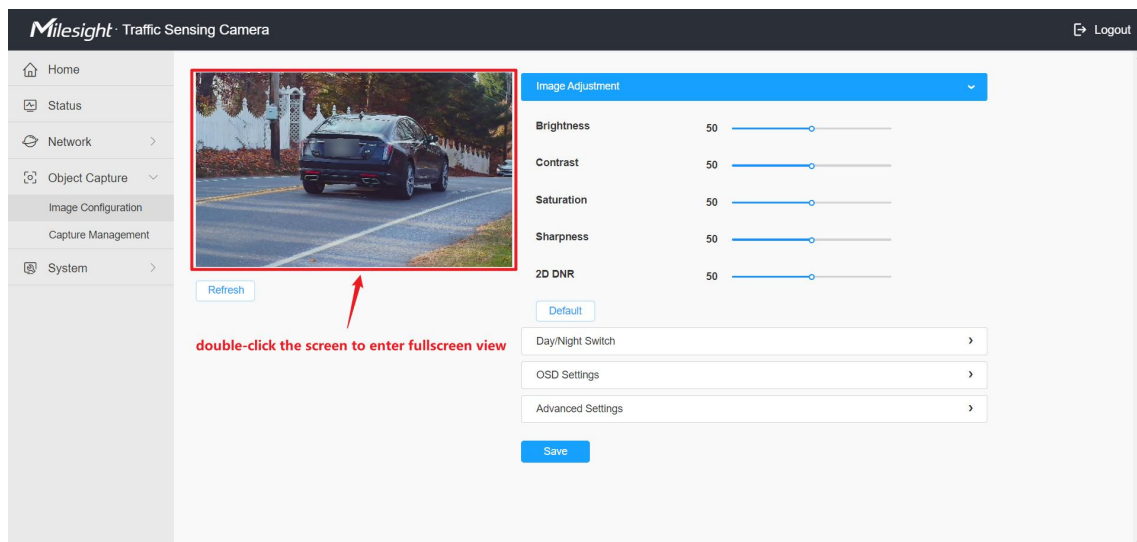
Note: To ensure that the device can communicate stably and reliably, TCP wake up requires the SIM card's IP address to be static.



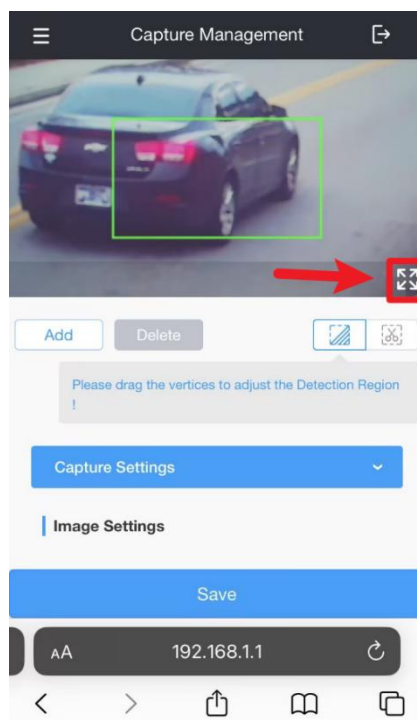
3) Supports viewing video streams

- ❖ Supports viewing video streams through the PC/Mobile Web, upgrading the window to play video streams for better installation assistance. To view the video stream, double-click the screen to enter fullscreen view. During installation, adjust the perspective and fix the angle using the video stream. For detailed installation instructions, please refer to the complete installation guide:

<https://resource.milesight.com/milesight/security/document/user-manual/intelligent-traffic/milesight-quick-installation-guide-4g-solar-powered-traffic-sensing-camera.pdf>



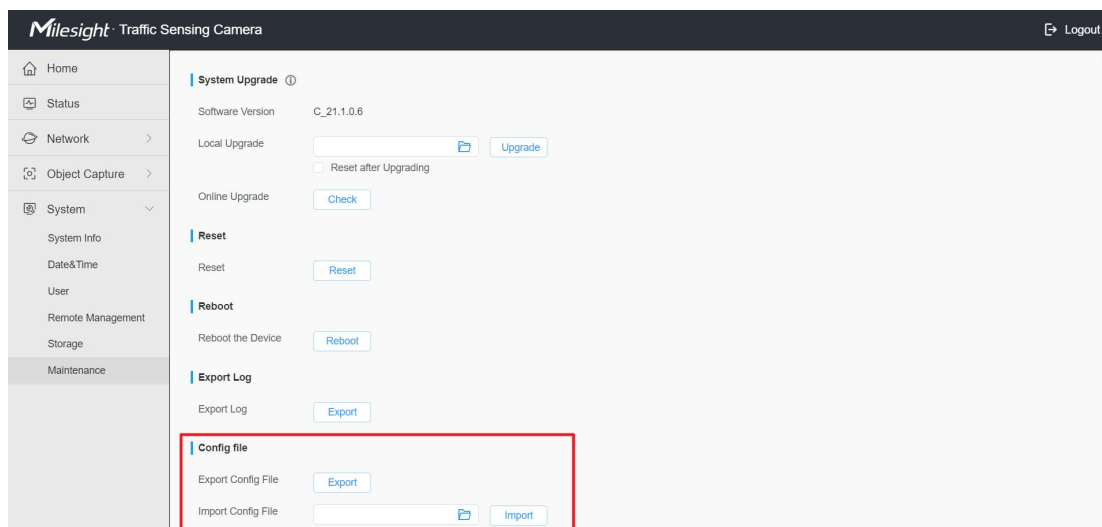
PC Web



Mobile Web

- 4) Supports configuration import and export
- ❖ Supports configuration import and export, allowing users to export configurations from configured devices and import them to other devices. This enables efficient and unified pre-configuration of devices for ease of

management.



2.2 Optimizations

- 1) Include GPS coordinates information and millisecond data when sending snapshots
- ❖ The Snapshot topic now includes an additional GPS field in the pushed JSON data, containing the "latitude", "longitude", and "altitude" values. This allows for easy camera snapshot GPS positioning.

```
2024-08-12 17:39:11{'ts': 1723455638836  
'gps': {'latitude': '24.62451'  
'longitude': '118.03024'  
'altitude': '35.1'}}
```

- ❖ Added a "msec" value to the JSON data of the snapshot topic push. This provides more detailed time information for the snapshot.

```
{  
  'file': '2024102301473524C.jpg',  
  'time': 1729673255,  
  'msec': 513,  
  'dayNight': 'night',  
  'imageSize': 36397}
```

- 2) The display of the Cropping Region size in pixels has been adjusted to match the actual snapshot dimensions, showing the pixel values of the

cropped area.

- 3) Optimized the display of license plate outlines at night, now able to capture higher quality nighttime images.
- 4) Modify the upper limit of the Post Capture Number parameter to 11, and modify the upper limit of the Post Capture Interval parameter to 60 seconds.

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