



Milesight Release Note for NVR

Firmware Version: 7X.9.0.19-r9

Applicable Model: 4K/H.265 Series NVR

Release Date: 1st June, 2026

1. Overview

Milesight offers a variety of sensor products designed to capture meaningful data. By innovatively applying AI, 5G, and IoT technologies, Milesight brings significant impact to 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 7X.9.0.19-r9 of the Milesight NVR.

This version adds support for compatibility with the **MS-C5321-FPE multi-directional camera**, allowing users to add up to **5 channels via Onvif** or proprietary protocols, while supporting **live view, playback, and alarm-triggered** recording for Multi-directional Cameras. **AI Advanced Detection** has been introduced to Basic Motion Detection to reduce false alarms caused by environmental factors. **Persian keyboard input** is now supported, and `_x0005_` compatibility with new Q series features has been enhanced, such as **Two-way Intercom, One-click Disarm, and Warning Light**. Additional optimizations include support for vehicle speed detection in imperial units (Mph), improvements to **multi-language translation** entries. Several known bugs have also been fixed, including issues affecting **NVR recording stability, network and system stability**, as well as improvements to **network security**.

2. Firmware Version Download

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

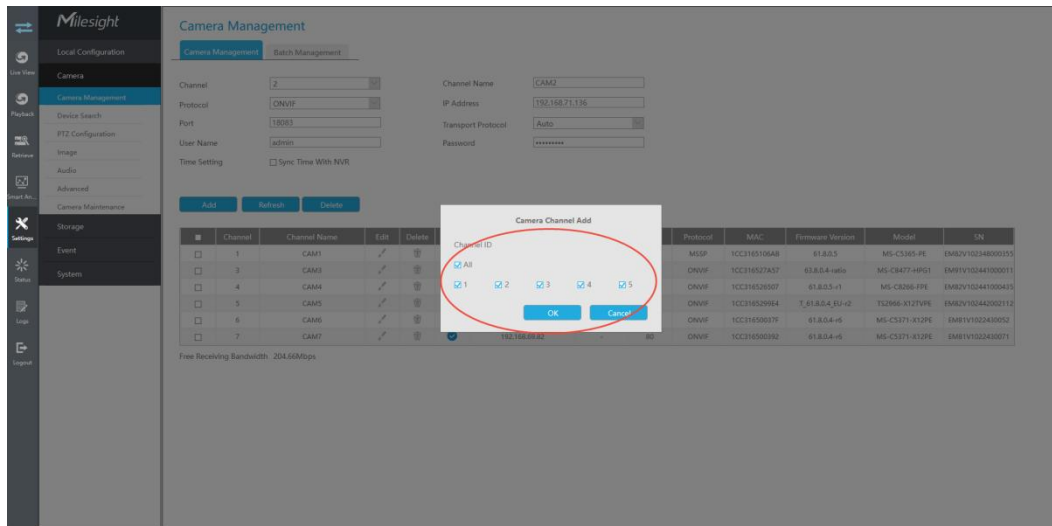
[Firmware Download|The Latest Innovation|Milesight](#)

3. What's new

3.1 New Features

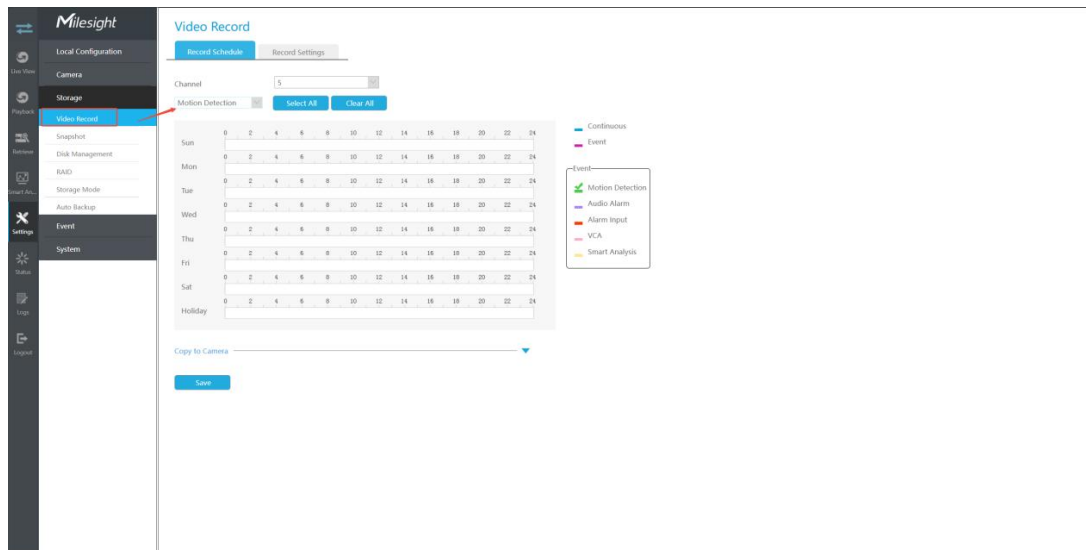
1) Support for compatibility with MS-C5321-FPE camera.

- ✧ By supporting compatibility with Multi-directional cameras, users can now add 5 channels via Onvif or proprietary protocols, support Live View and Playback, and receive alarms from Multi-directional cameras to perform event recording (including motion detection and VCA events), thereby enhancing system compatibility and surveillance capabilities.



When adding a device, users can customize which channels to add.



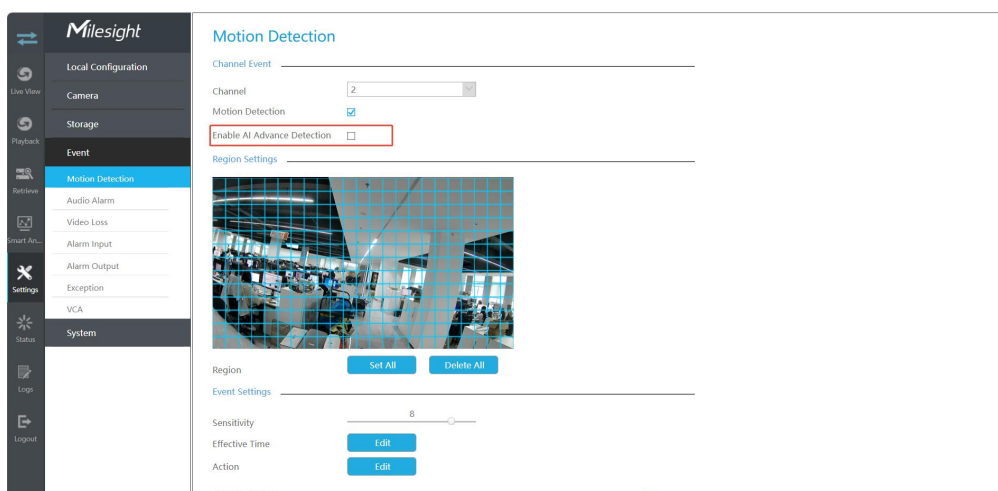


Note:

1. The Bundle Stream does not support VCA events configuration and stream switching.
2. Image settings are not compatible with this version.

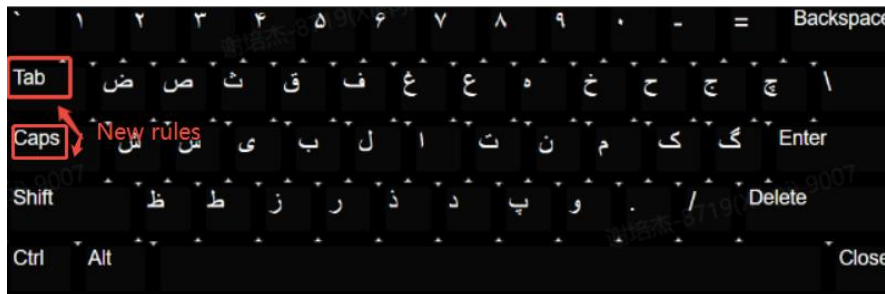
2) Added AI Advanced Detection to Basic Motion Detection.

- ❖ This version introduces AI Advanced Detection to the Basic Motion Detection event. It supports detection based on human and vehicle targets, significantly reducing false alarms triggered by environmental movements such as insects, mosquitoes, dogs, cats, and other creatures.



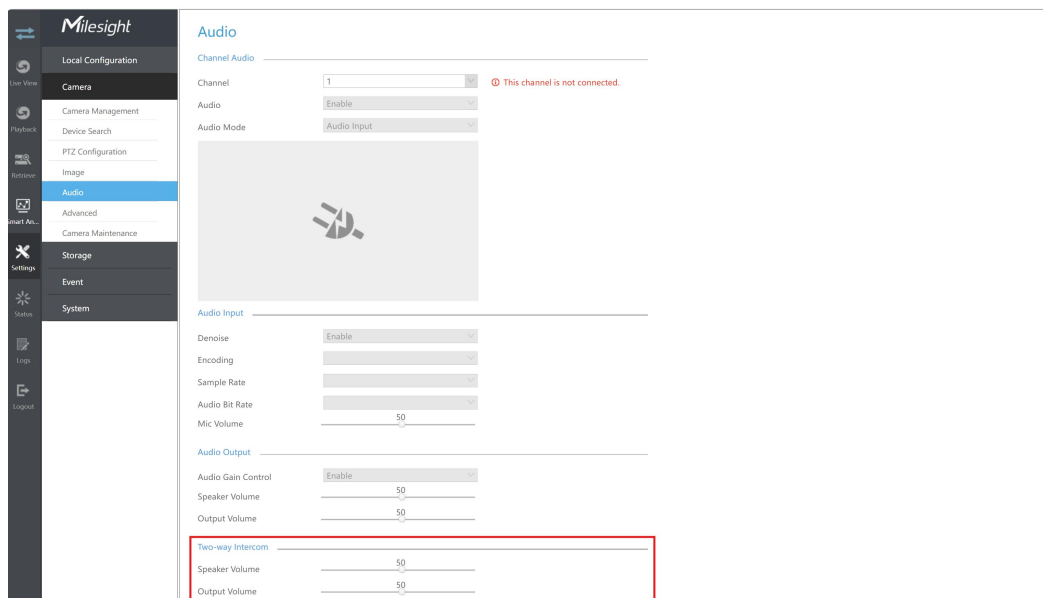
3) Supports Persian keyboard input.

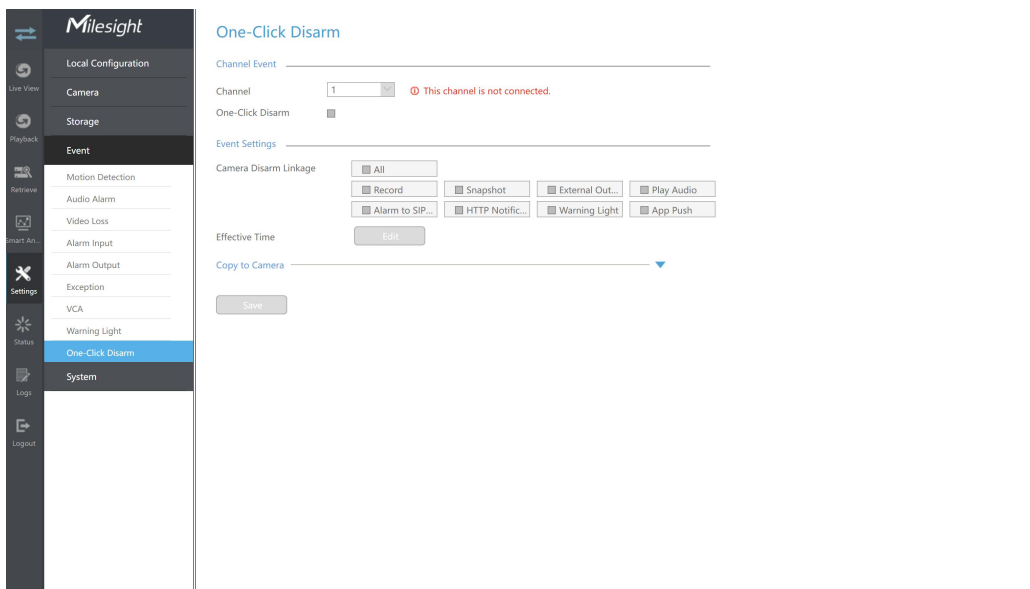
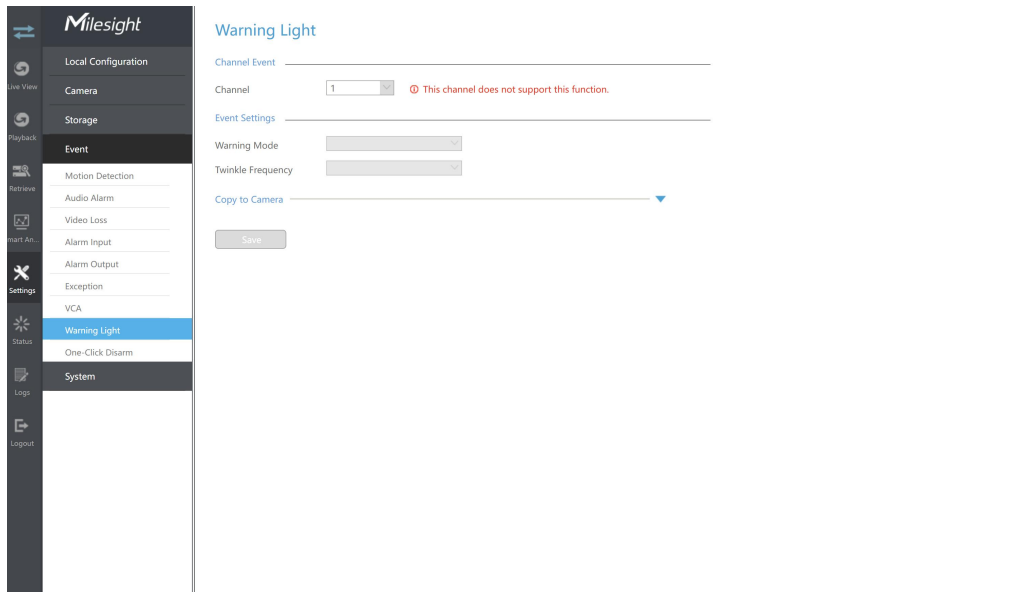
- ❖ Language keyboard now supports switching from English to Persian, making it more convenient for Persian-speaking users to input text and enhancing their overall user experience.



4) Compatibility with new Q series features

- ❖ Expanded NVR compatibility with new Q series camera features, including Two-way Intercom, One-click Disarm, and Warning Light, enabling support for more camera models and enhancing system flexibility and scalability.

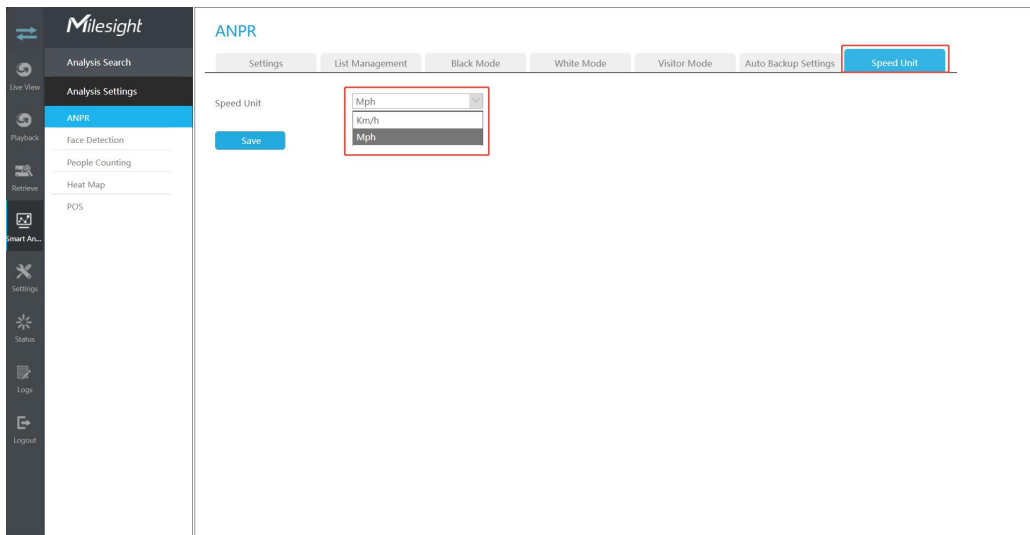




3.2 Optimization

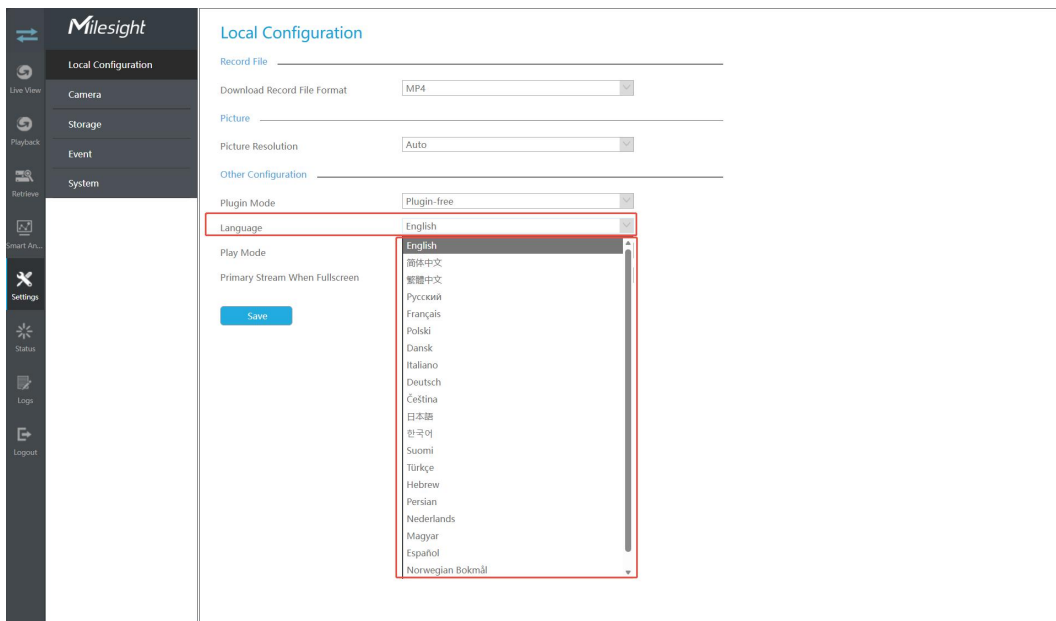
1) Support Vehicle Speed Detection in Imperial Unit (Mph).

- ❖ The addition of the Mph option allows users to select needed speed unit, reducing the hassle of unit conversion.



2) Optimize Multi-language Translation Entries.

- ❖ Languages such as Russian, Ukrainian, Persian, Polish, and German have been optimized to better meet the needs of users from different countries and regions.



3.3 Bug Fixed

- 1) Fixed issues that could affect NVR stability, resulting in improved system reliability and performance.
- 2) Fixed issues related to network and system stability, further strengthening system robustness and security.

4. Upgrade steps

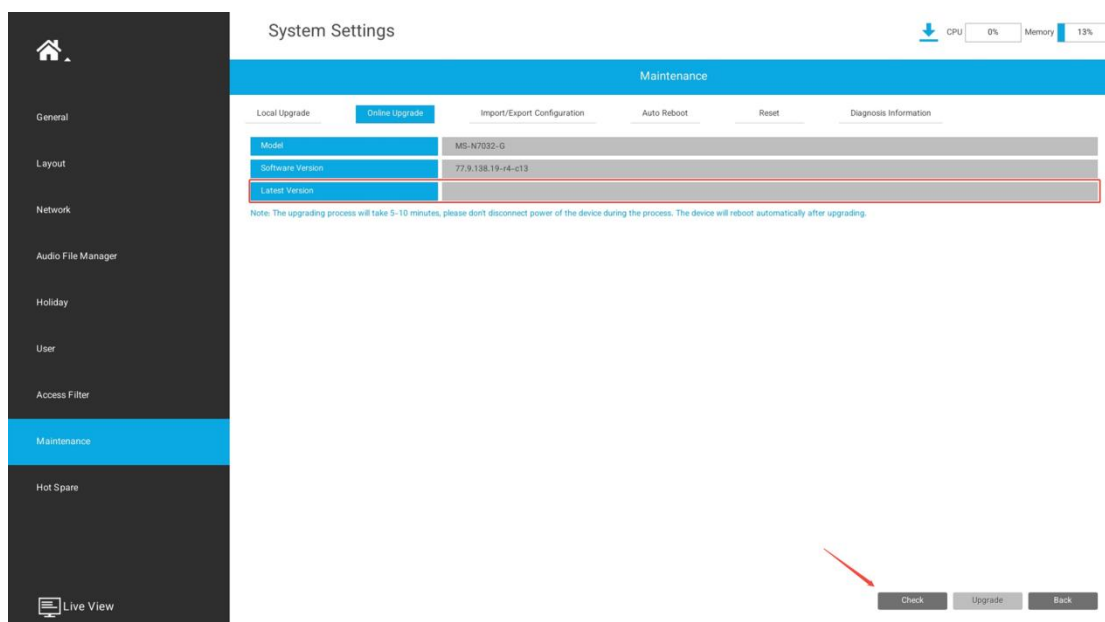
4.1 Online Upgrade

① Online Upgrade via Local Monitor

Step1. Enter the upgrade menu by clicking Main Menu -> Settings -> Maintenance -> Online Upgrade;

Step2. Click “Check” to confirm whether there is a new version;

If there is a new version, the Latest Version column will display corresponding information.

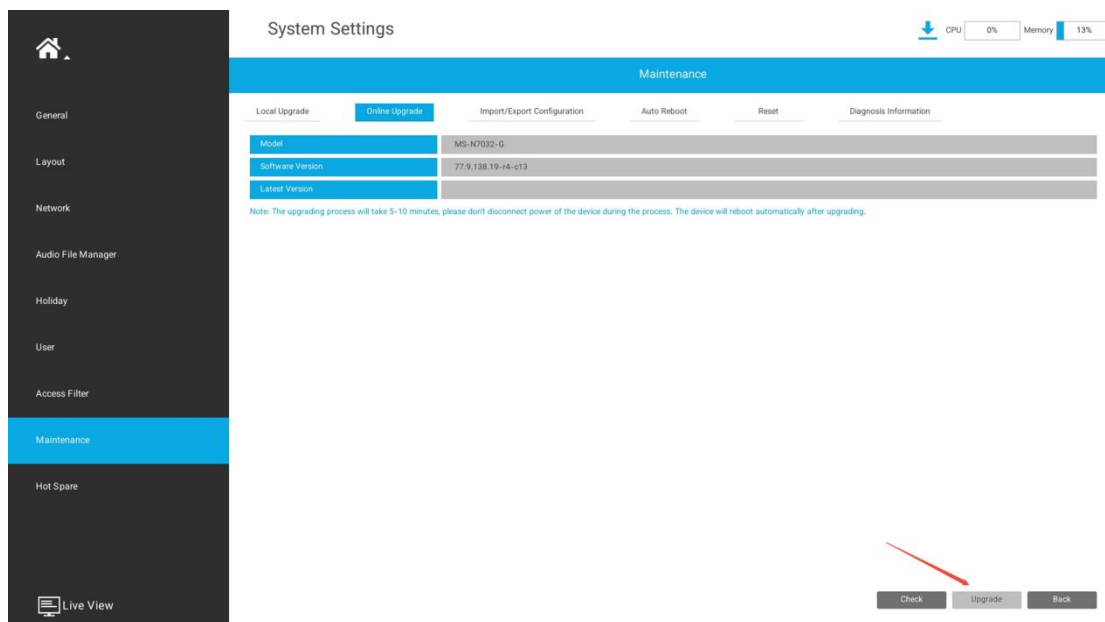


The screenshot displays the 'System Settings' interface for an NVR. The 'Maintenance' section is active, showing options for Local Upgrade, Online Upgrade, Import/Export Configuration, Auto Reboot, Reset, and Diagnosis Information. The 'Online Upgrade' tab is selected, displaying a table with the following information:

Model	MS-N7032-G
Software Version	77.9.138.19-r4-c13
Latest Version	

A red box highlights the 'Latest Version' row. Below the table, a note states: 'Note: The upgrading process will take 5-10 minutes, please don't disconnect power of the device during the process. The device will reboot automatically after upgrading.' At the bottom right, there are three buttons: 'Check', 'Upgrade', and 'Back'. A red arrow points to the 'Check' button.

Step3. Click “Upgrade” button to confirm the upgrade. The system will reboot automatically after the upgrade.

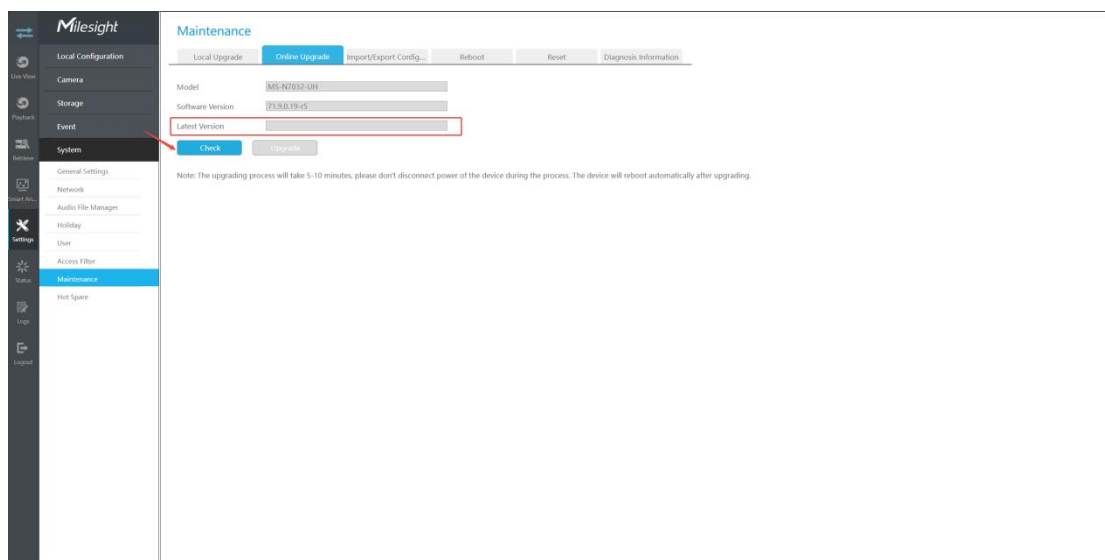


② Online Upgrade via Web Page

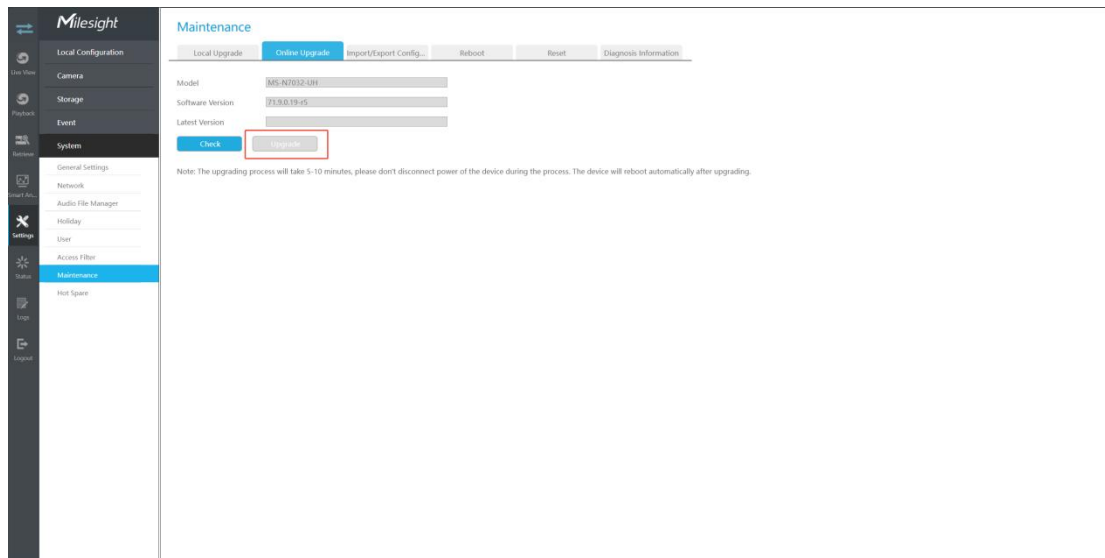
Step1. Enter upgrade menu by clicking Settings -> System -> Maintenance -> Online Upgrade;

Step2. Click "Check" to confirm whether there is a new version;

If there is a new version, the Latest Version column will display corresponding information.



Step3. Click "Upgrade" button to confirm the upgrade. The system will reboot automatically after the upgrade.

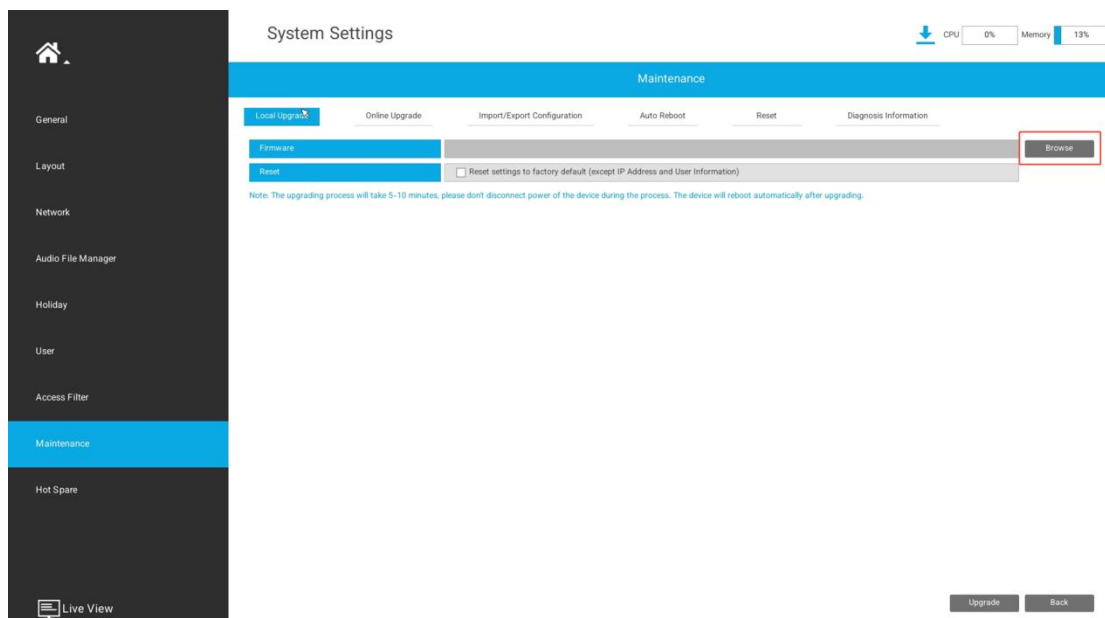


4.2 Local Upgrade

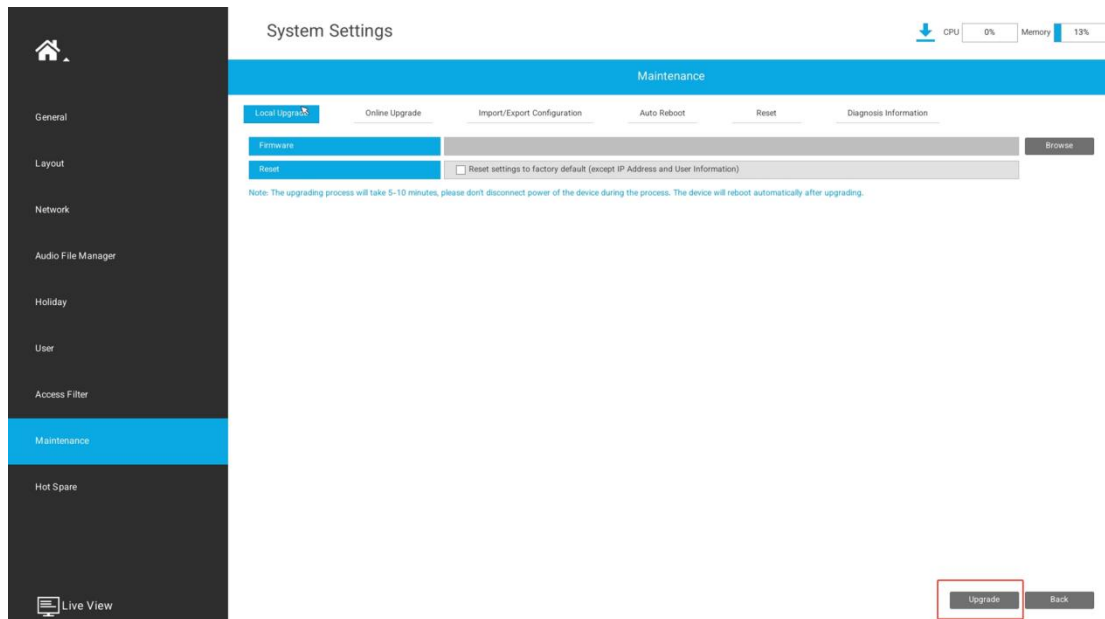
① Local Upgrade via Monitor

Step1. Enter the upgrade menu by clicking Main Menu -> Settings -> Maintenance -> Local Upgrade;

Step2. Click "Browse" and select corresponding firmware you downloaded in your USB drive;



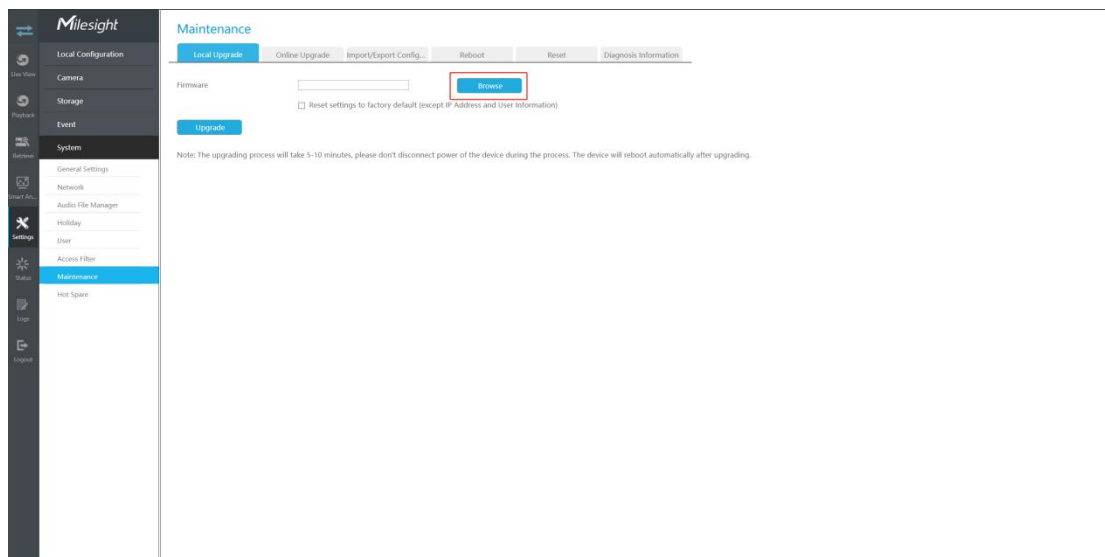
Step3. Click "Upgrade" button to confirm the upgrade. The system will reboot automatically after the upgrade.



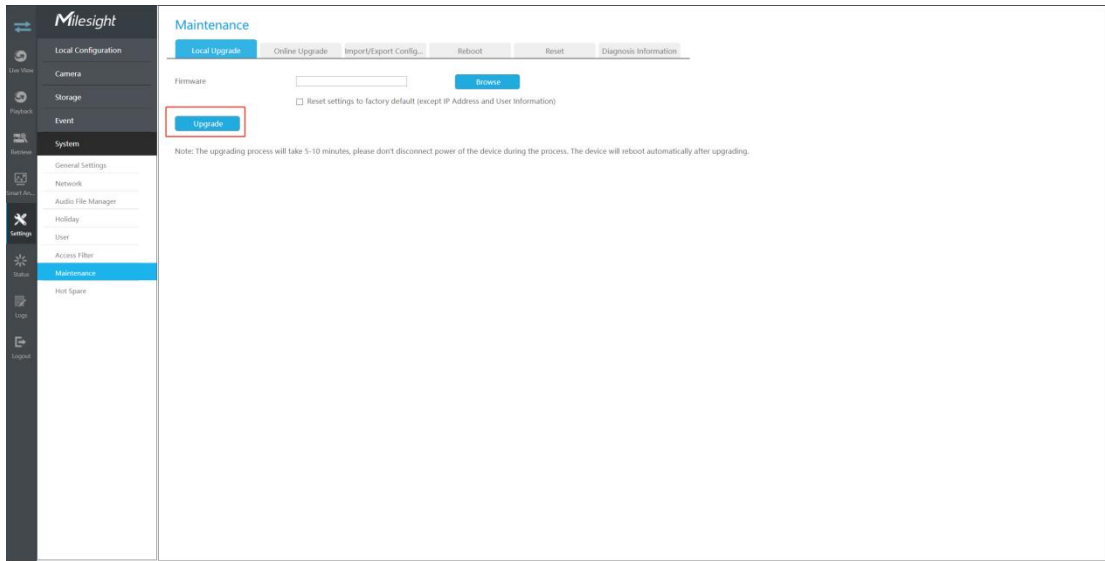
② Local Upgrade via Web Page

Step1. Enter upgrade menu by clicking Settings -> System -> Maintenance -> Local Upgrade;

Step2. Click "Browse" for System Upgrade and locate the folder where you downloaded the firmware. Remember to check the model to make sure that it corresponds to the firmware;



Step3. After choosing the corresponding firmware, click "Upgrade" button to confirm the upgrade. The system will reboot automatically after the upgrade.



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