Milesight Release Note for NVR

Firmware Version: 7X.9.0.19-r6

Applicable Model: 4K/H.265 Series NVR

Release Date: 18th November, 2025

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-r6 of the Milesight NVR.

This version introduces **AI Advanced Detection** to Basic Motion Detection to filter out false alarms caused by the environment. **An "Off" option has been added to Day/Night Enhancement Mode settings** to improve adaptability to diverse scenarios. **Persian keyboard input** is now supported, and **multi-language translation entries** have been optimized to better meet the needs of users from different countries and regions. Additional enhancements have also been made to further enhance user convenience, and several known bugs have been fixed.

2. Firmware Version Download

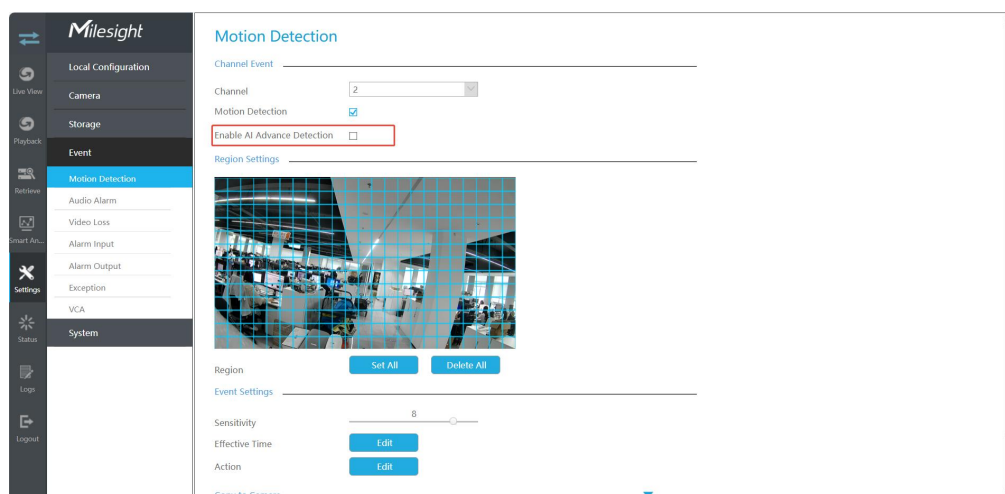For the firmware version, please click the following link to download:

Firmware Download|The Latest Innovation|Milesight
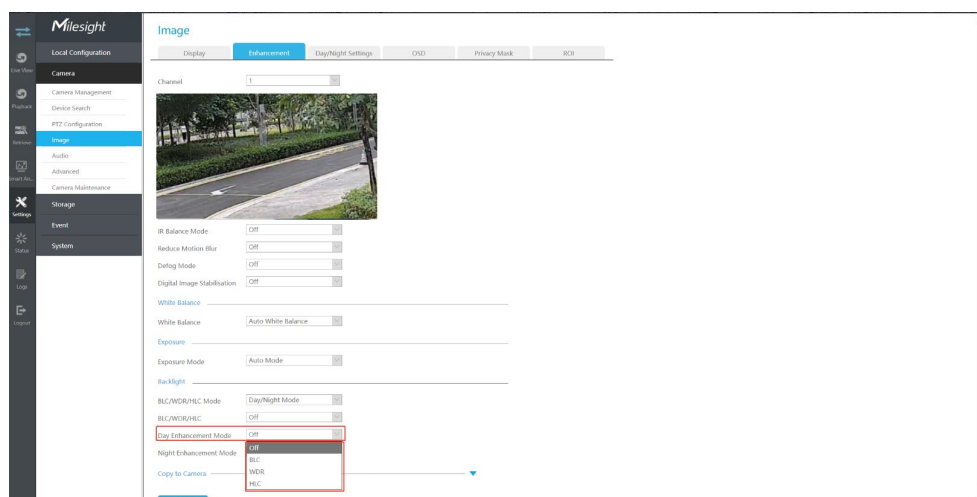
3. What's new

3.1 New Features

1）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.
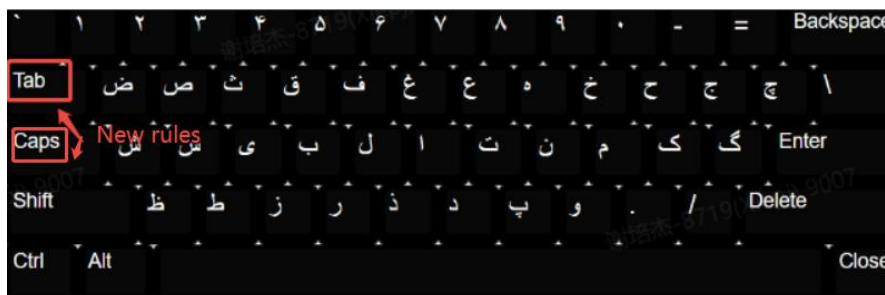

2) Add "Off" Option to Day/Night Enhancement Mode Settings.

❖ Users can now directly turn off the image enhancement features from the NVR side when the image quality is suitable. Additionally, the Day/Night enhancement mode can be configured separately, greatly enhancing the flexibility and adaptability to different environments.
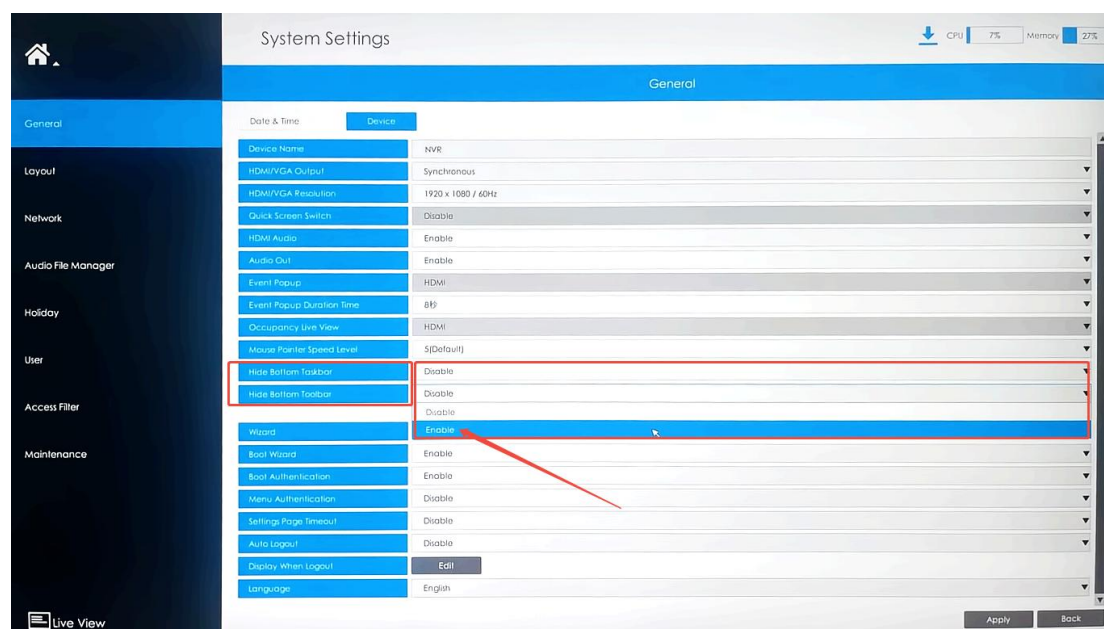
3）**Supports Persian keyboard input.**

❖ 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.

3.2 Optimization

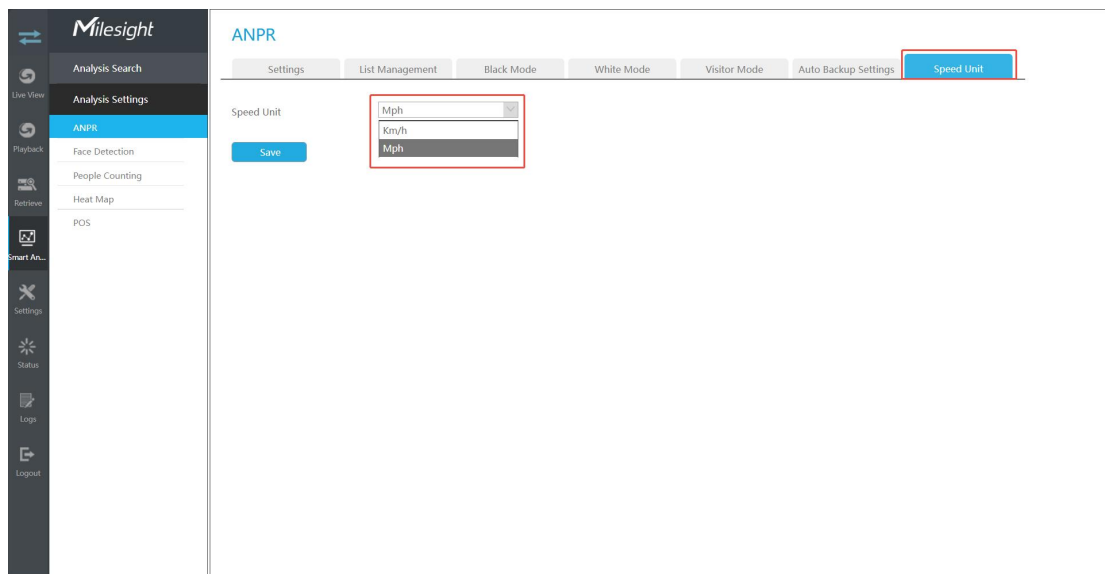1）**Add Taskbar and Toolbar Hide Button on Local Interface.**

❖ This enhancement supports always hiding the bottom taskbar and each channel's toolbar to prevent accidental touches, reduce operational safety risks, and avoid blocking the viewing area for a better user experience.

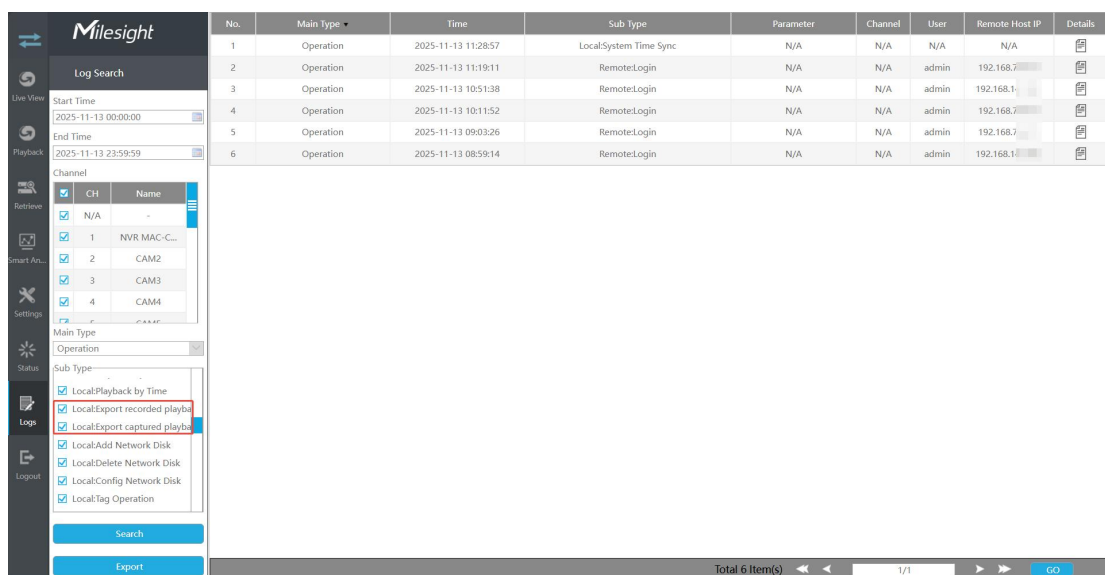2）**Support Vehicle Speed Detection in Imperial Unit (Mph).**

❖ The addition of the Mph option allows users to select needed speed unit,

reducing the hassle of unit conversion.

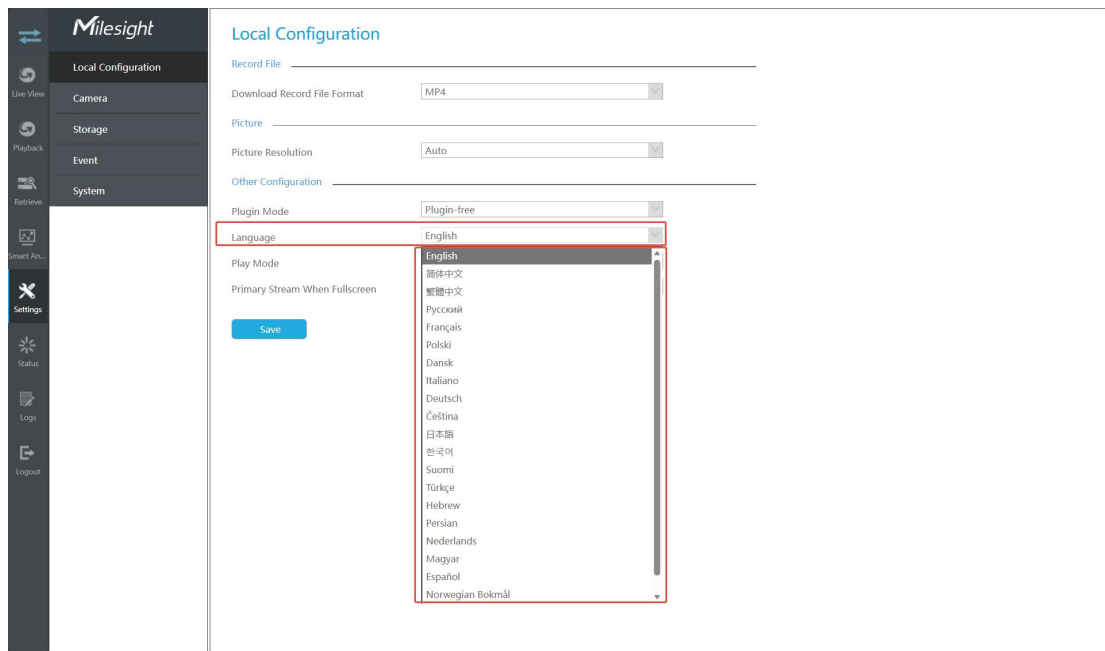### 3) Add Export Playback Video and Playback File Option to Logs.

❖ Users can now view user and operation details in the log, making it easy for administrators to trace related operations when exporting playback videos and files. This strengthens data security management and enhances the overall user experience.

4) 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 affecting device compatibility and functional integration.

2) Fixed issues affecting network and system stability.

3) Fixed display issues on the Live View and Playback interfaces.

4) Fixed the issue that language translation and event report data display were abnormal.
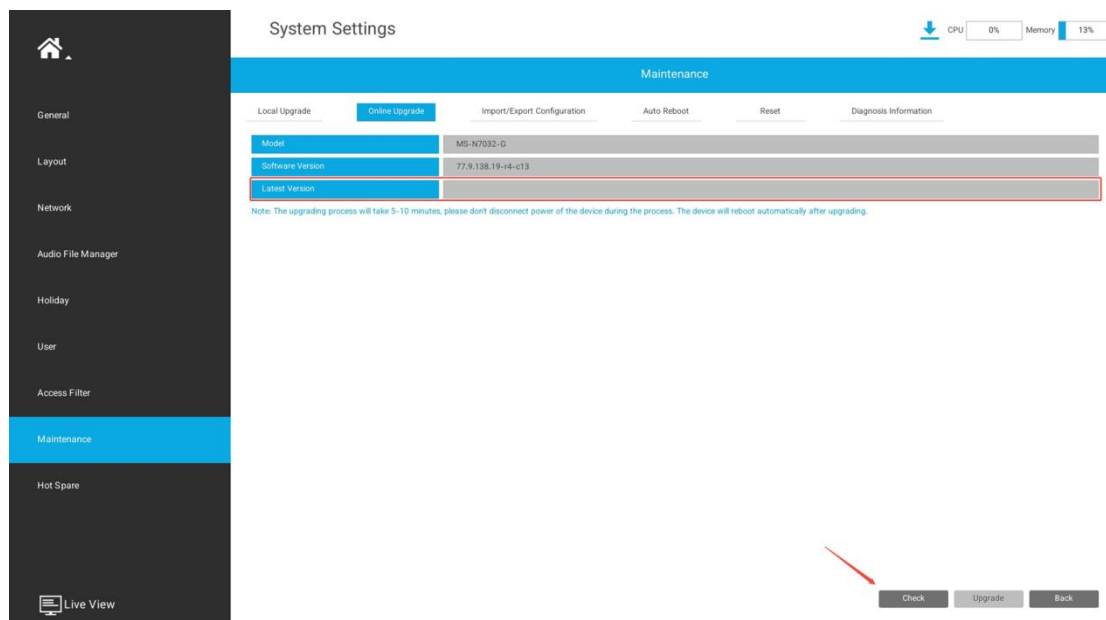
4. Upgrade steps

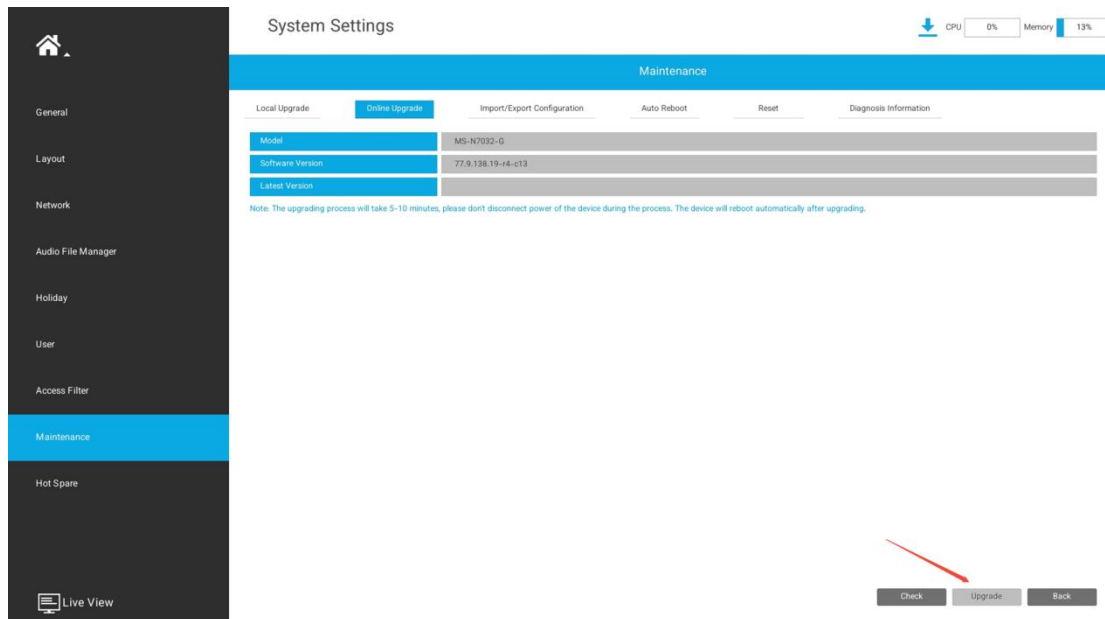## 4.1 Online Upgrade

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.

Step3. Click "Upgrade" button to confirm the upgrade. The system will reboot automatically after the upgrade.
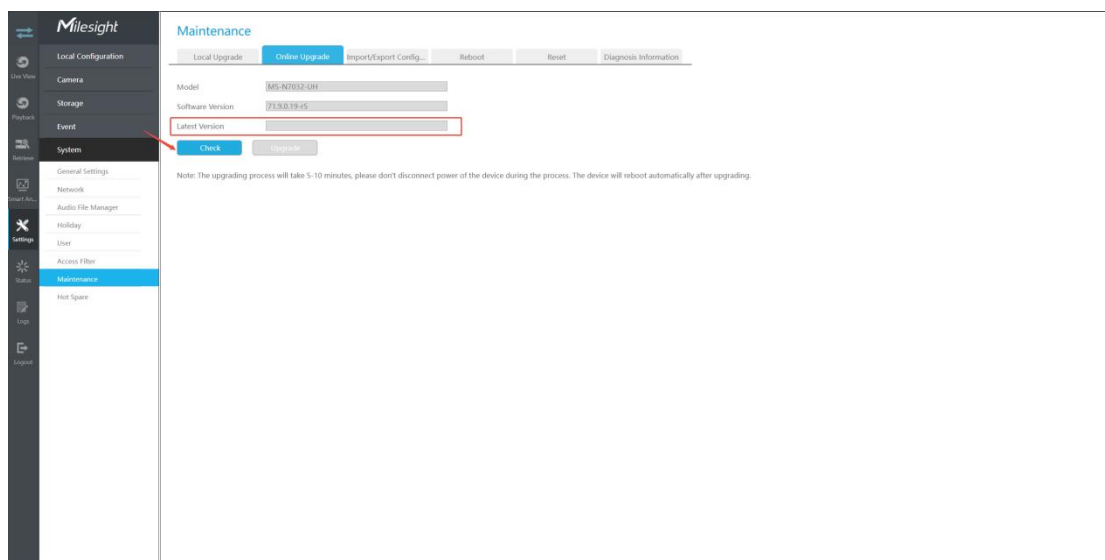
② Online Upgrade via Web Page

Step1. Enter upgrade menu by clicking Settings -> System -> Maintenance -> Online Upgrade;
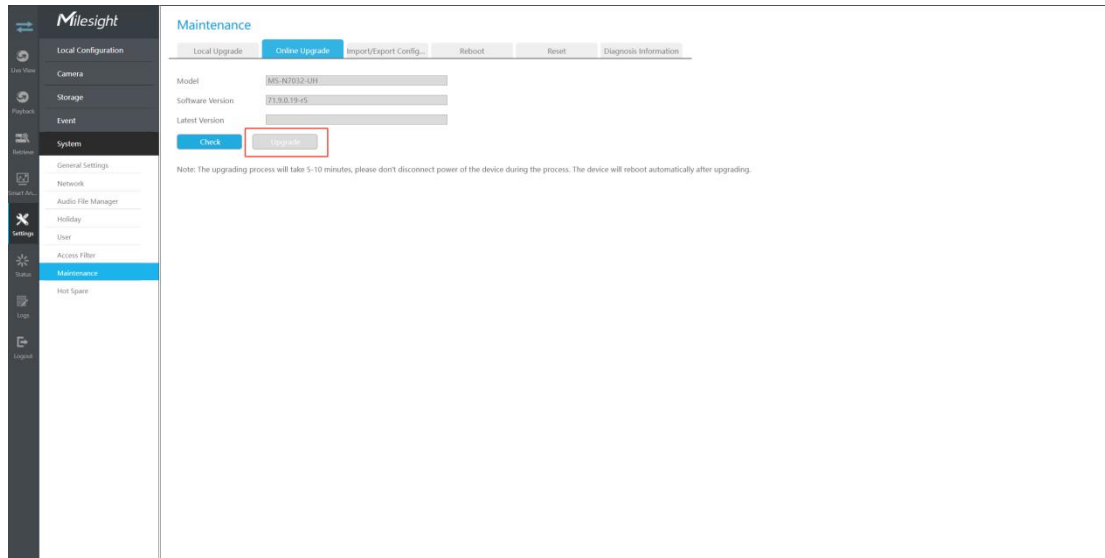
Step2. Click "Check" to confirm whether there is a new version;

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.
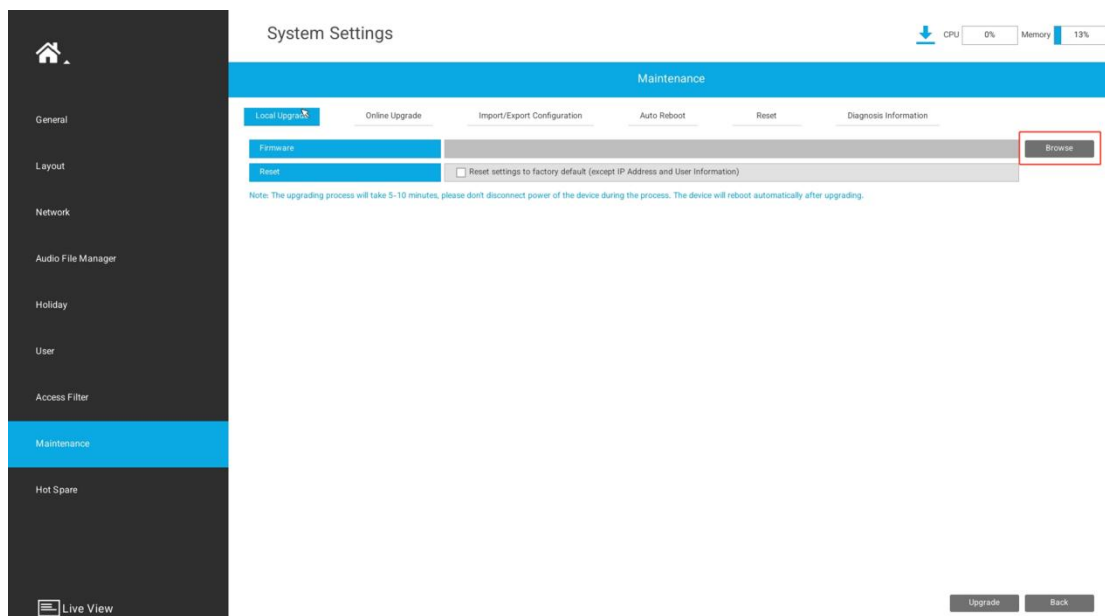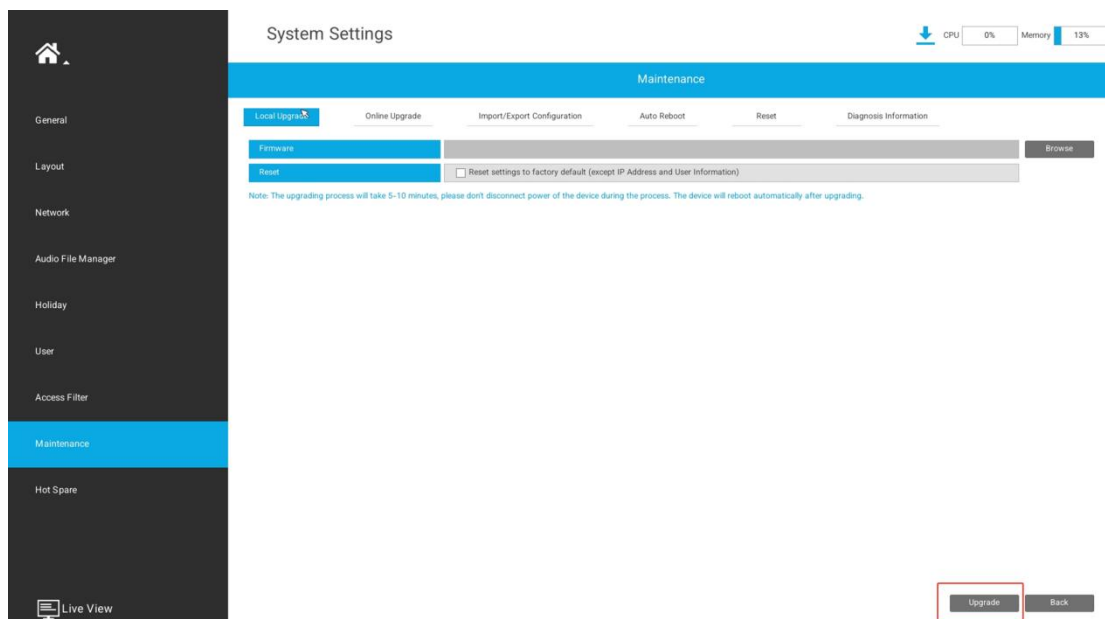
4.2 Local Upgrade

① Local Upgrade via Monitor

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

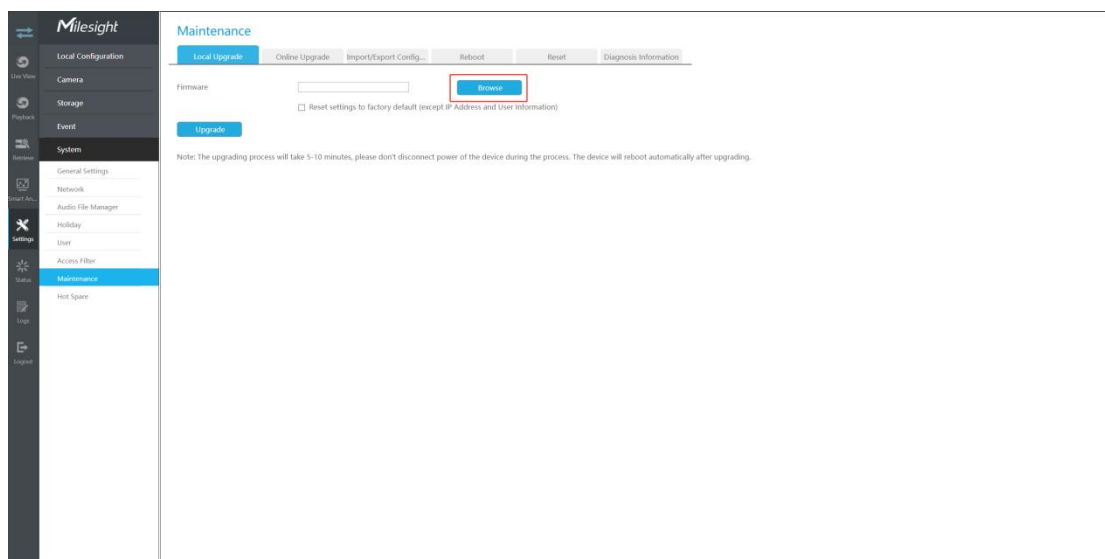**Step2.** Click "Browse" and select corresponding firmware you downloaded in your USB drive;

Step3. Click "Upgrade" button to confirm the upgrade. The system will reboot automatically after the upgrade.
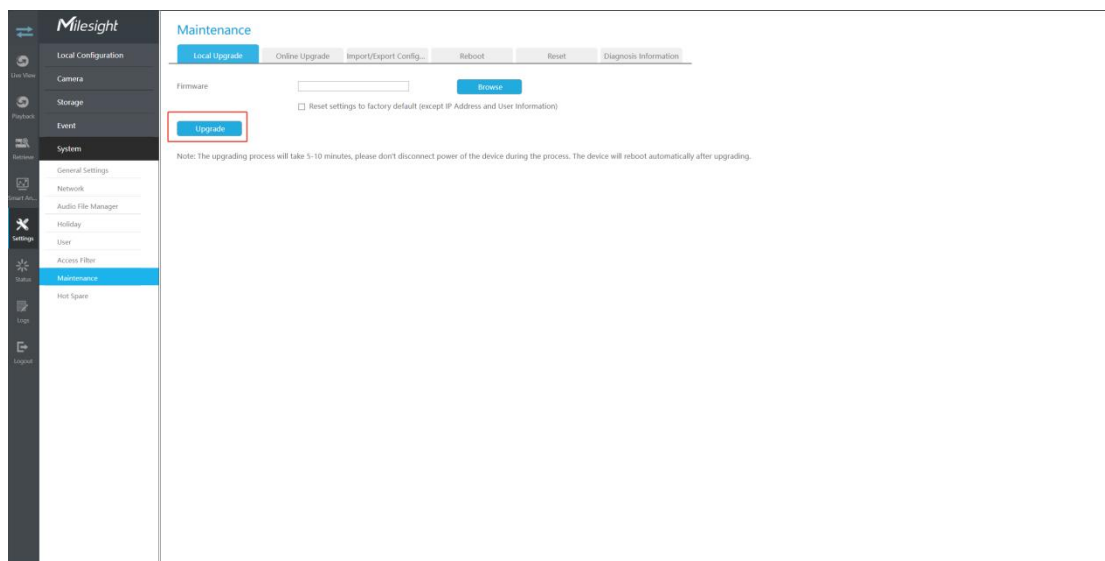
② **Local Upgrade via Web Page**

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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