Milesight Release Note For OpenVision Server Series

Firmware Version: OV_81.8.0.4-r2-NX

Applicable Model: SE0208-K/NX, SE0208-K/NX/A05

Release Date: 6th February, 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 81.8.0.4-r2-NX for OpenVision Server Mini.

In this version, **Hardware Decoding** is now enabled by default, reducing CPU usage and improving overall performance and stability for a smoother user experience. **One-click Nx Witness Server Upgrade via the Nx Witness Client**, as well as **system version display with online upgrade are also supported**, significantly simplifying the update process and enhancing operational efficiency for users. Several known bugs have also been fixed.

2. Firmware Version Download

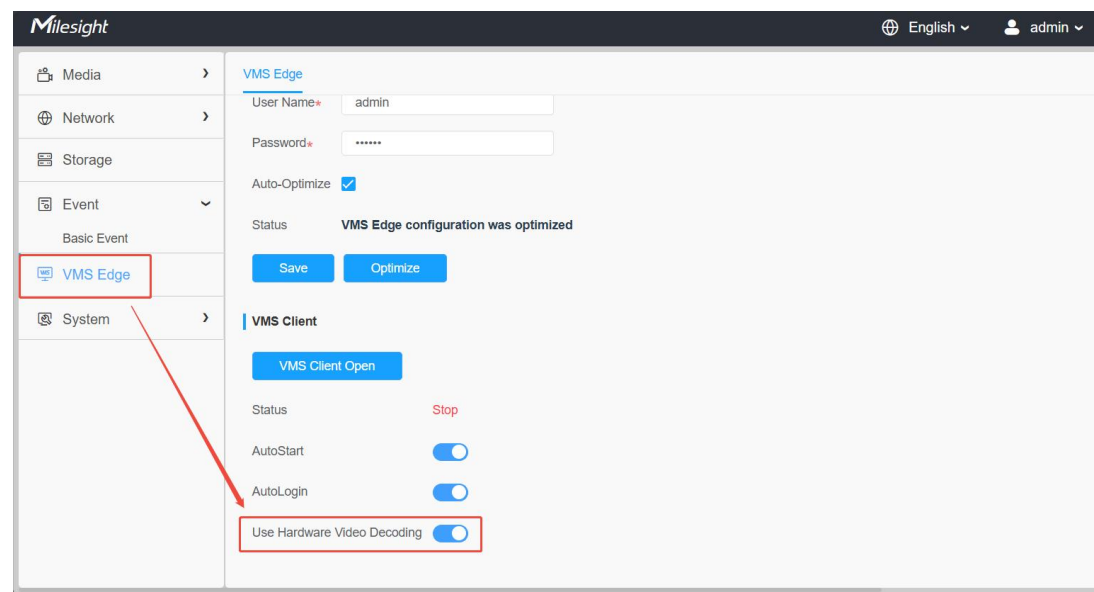For the firmware version, please click the following link to download:

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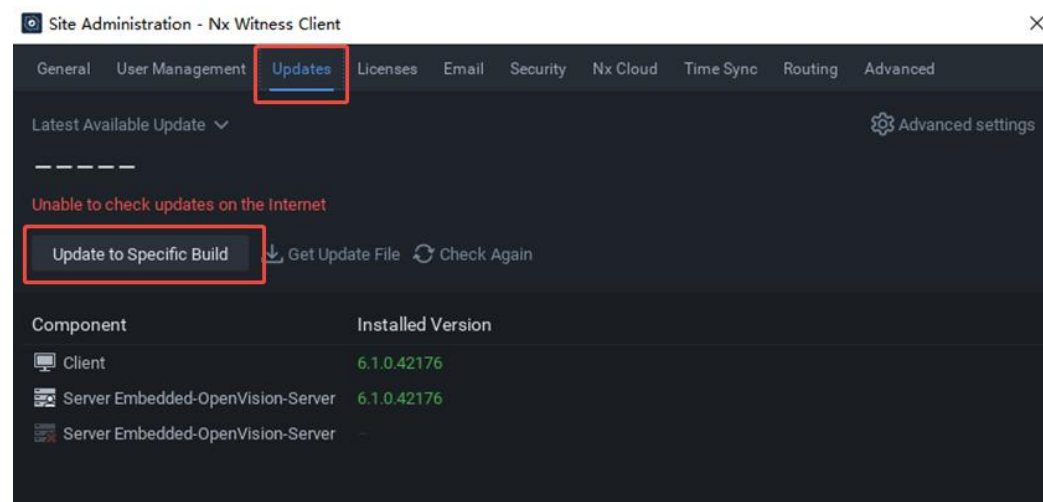
3. What's new

3.1 New Features

1) Enable Hardware Video Decoding by Default.

❖ Hardware video decoding is enabled by default in both the Nx Witness Client and Nx Witness Server, supporting GPU-based decoding to improves video playback performance and reduces CPU usage for a smoother user experience.
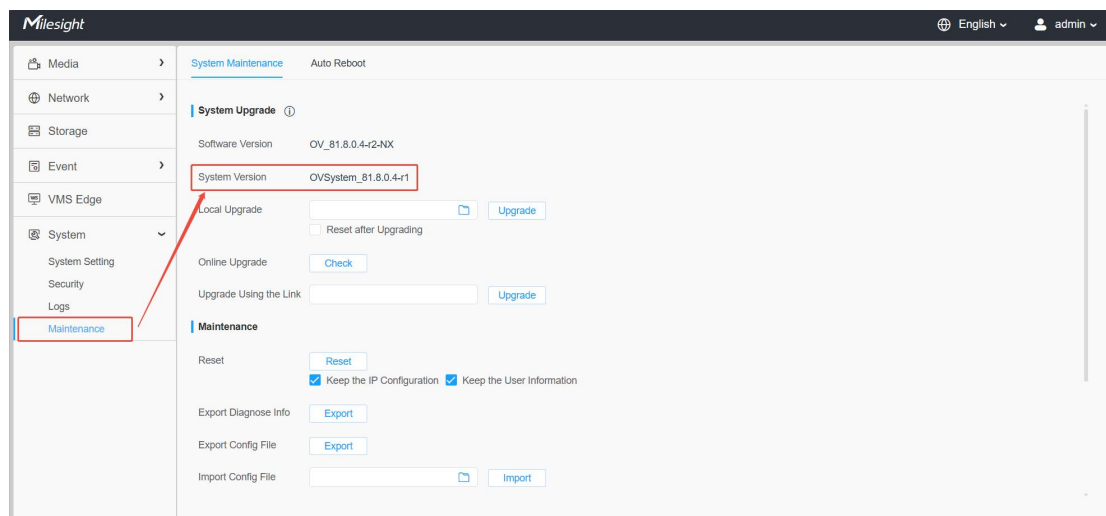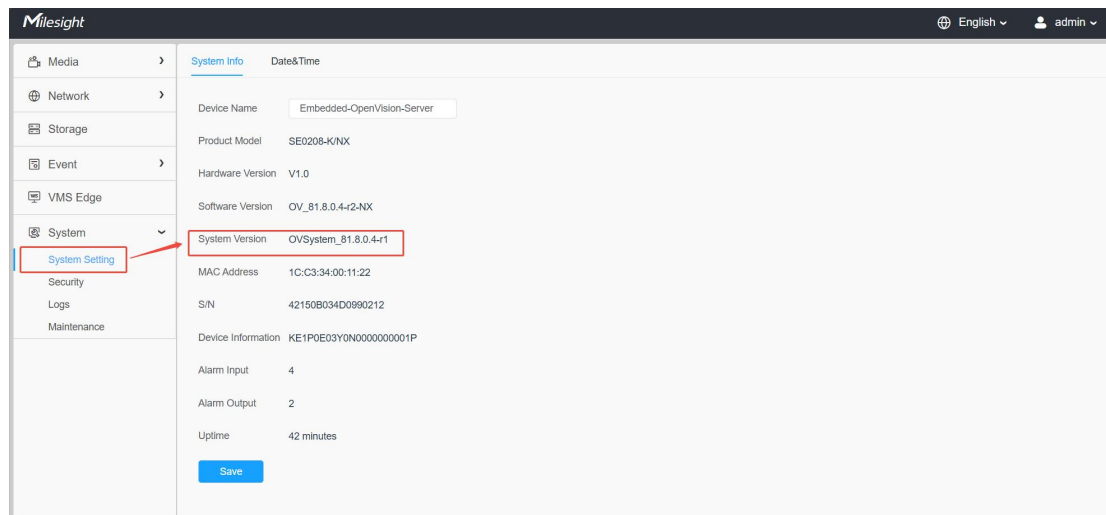

2) Support Nx Witness Server in Client Upgrade.

❖ The system supports upgrading the Nx Witness Server with one click directly from the Nx Witness Client, which simplifies the upgrade process and reduces maintenance complexity.
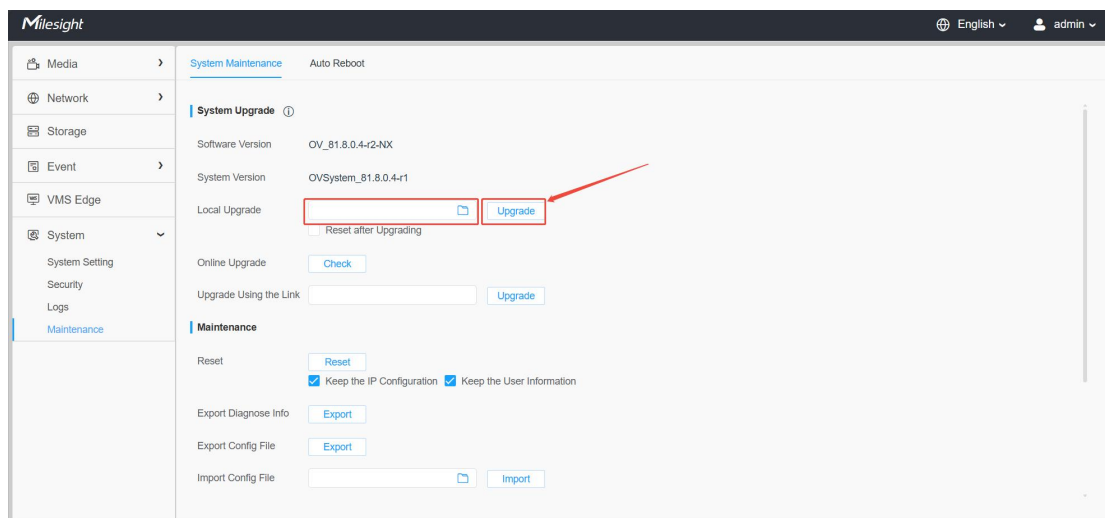
3) Add System Version Display and Online Upgrade.

❖ The system version (e.g., OVSystem_81.8.0.4-r1) is now displayed in both *System -> System Setting -> System Info* and *System -> Maintenance -> System Maintenance* pages, making it easier for users to identify the current firmware version and manage updates.

❖ Online system version upgrades are now supported on the web interface. Users need to first upgrade the software version, then select the appropriate system image and click "Upgrade" again to initiate the upgrade. This feature enables rapid system version upgrades, greatly streamlining the update process, minimizing downtime, and improving overall efficiency.

3.2 Optimization

(1) Updated the pre-installed Nx Witness Server and Nx Witness Client versions to 6.1.42176.
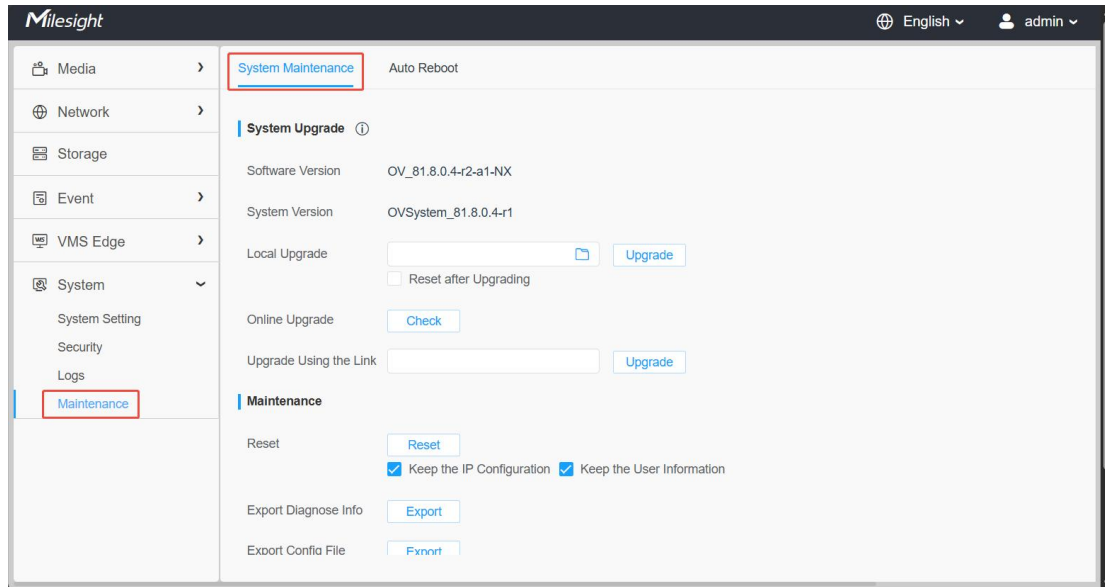
3.3 Bug Fixed

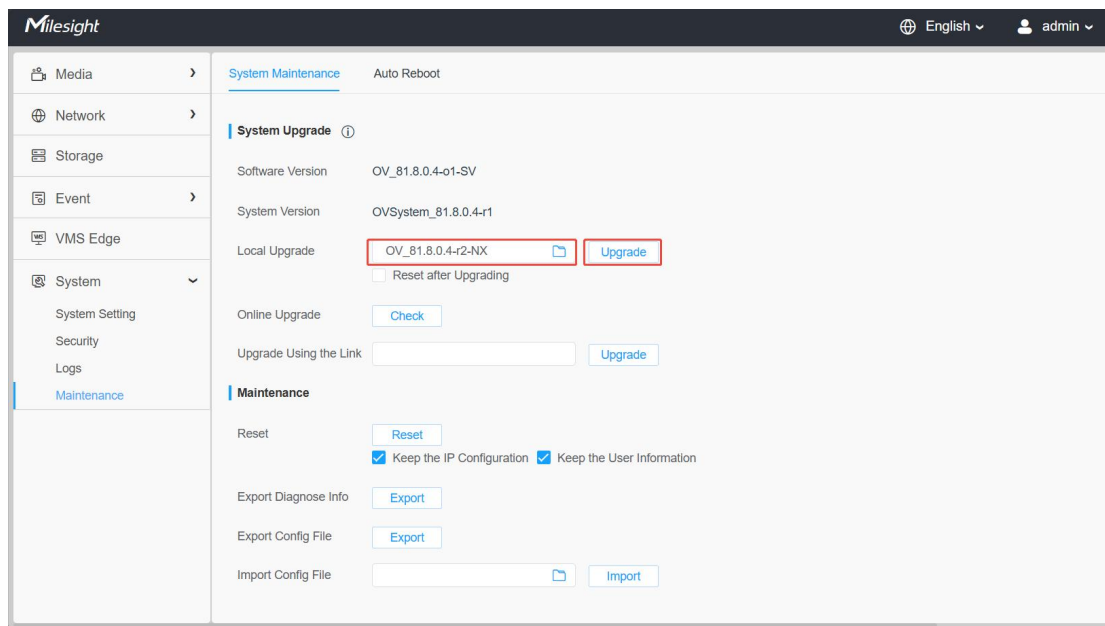(1) Fixed known bugs.

4. Upgrade steps

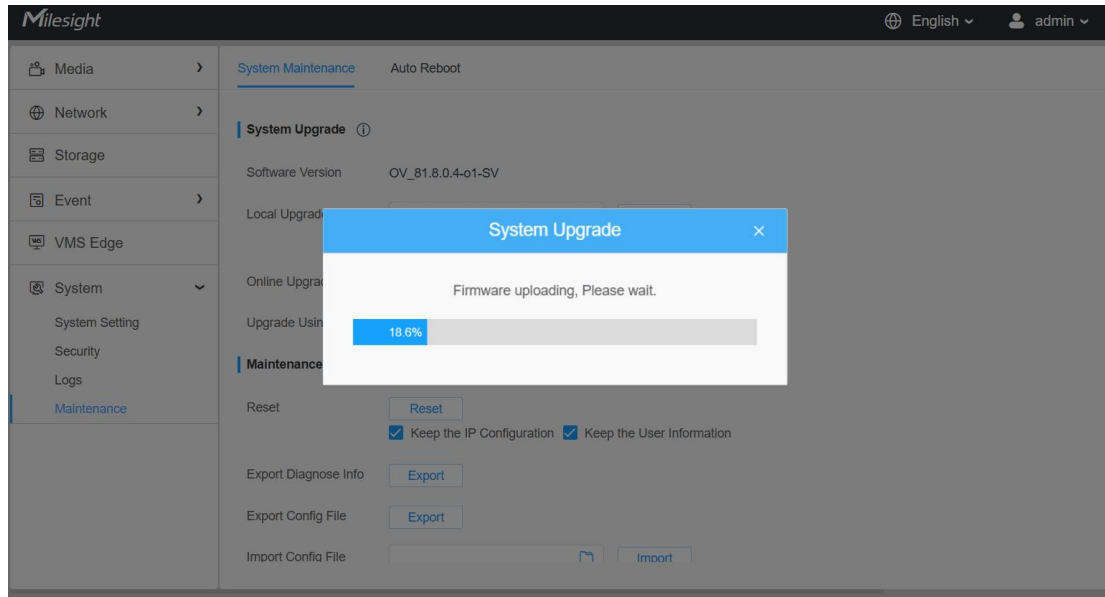Please check each model with the right firmware version as mentioned above, then upgrade as the following steps:

Step 1: Go to the web page of the OpenVision Server Mini, click *System -> Maintenance -> System Maintenance.*

Step 2: Choose the file for the upgrade.

Step 3: Click the "Upgrade" button, then please wait about 1~3 minutes. The upgrade

will be done after the system reboots successfully.

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