



# Milesight Release Note For NVR

Firmware Version: 7X.9.0.19

Release Date: September, 2023



## 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 X.9.0.19 of the Milesight NVR.

In this version, Milesight NVR achieves a new **disarming** functions, and optimizes several functions to enhance the customer experience.

## 2. Firmware link

you can visit our website and download the latest version from there.

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

**Note:**

If it fails to download the firmware via clicking the link directly, please copy the link to the browser manually.

## 3. What's new

### 3.1 New Features

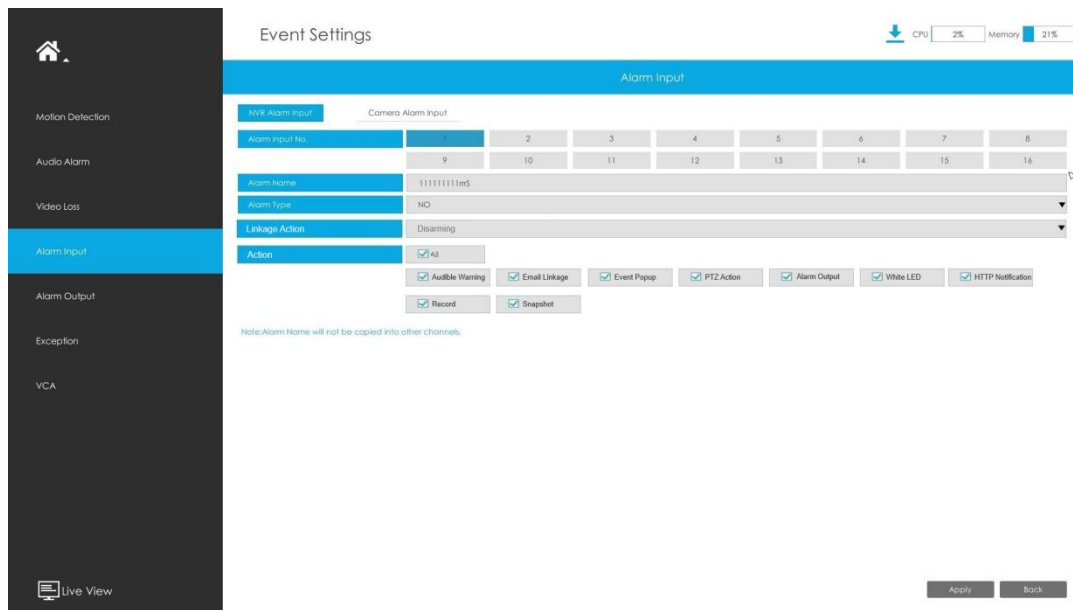
#### 1) Add Disarming function in Alarm Input interface .

- ❖ **Disarming** is a function that can control all channels' alarm action via Alarm input 1 on NVR. By changing the status of input 1 of the NVR, you can switch all alarm actions on and off quickly. When a staff enters the detection area but doesn't need to trigger an event action. They can click a small button that is connected to NVR input to disable all alarms without logging into NVR.
- ❖ it is more convenient to consider that the hardware interface triggers one-click disarming because once the configuration is completed, users can arm and disarm without logging into the web interface or Local monitor interface.

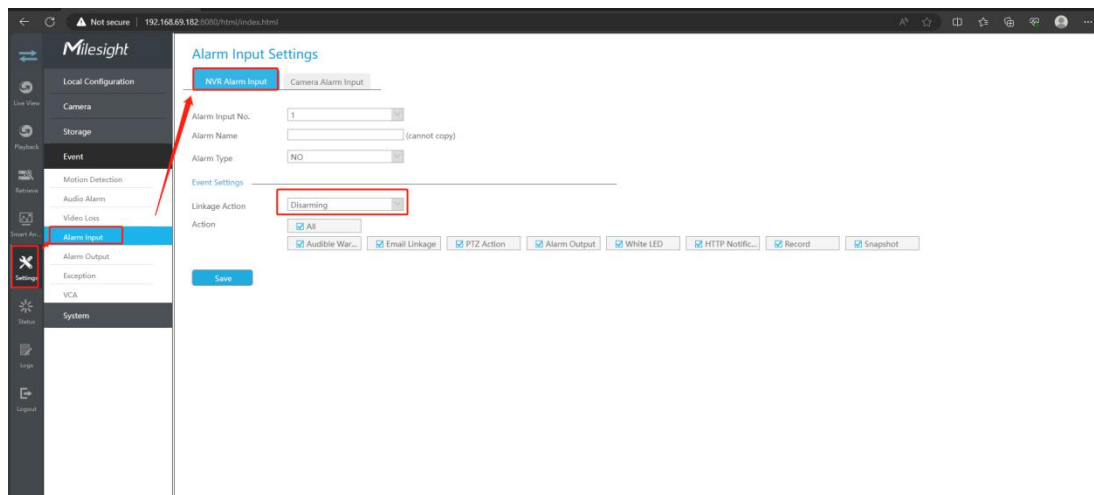
#### **Note:**

- What will be displayed only when the Alarm Input No is chosen 1 as Disarming.

- Local monitor interface:



- Website Interface:



## 3.2 Optimizations

- 1) Support RTSP over HTTPS transmission between Milesight IPC and NVR.
- ❖ In the Camera Management interface, users can select MSSP as the Protocol and choose Encryption for the Transport Protocol.

**Camera Management**

Channel: 3 Channel Name: CAM3

Protocol: MSSP IP Address:

Port: 80 Transport Protocol: Auto

User Name: admin Password:

Time Setting:  Sync Time With NVR

Buttons: Add Refresh Delete Edit Authentication

Channel	Channel Name	Edit	Delete	Status	IP Address	Channel ID	Port	Protocol	MAC	Firmware Version	Model	SN
1	CAM1			✓	192.168.69.120	-	80	ONVIF	1CC316112900	33.8.0.3-r3-c13	MS-C2862-RFIPA	-
2	CAM2			✓	192.168.69.153	-	80	ONVIF	1CC3162FAFE	45.8.0.2-AltT-r2-c	MS-C5366-X12GO PC	123456

Free Receiving Bandwidth 74.50Mbps

## 2) Support 3×3 layout on the Local monitor side

- ❖ On the Local monitor side includes the 3×3 layout and a customization option for the layout initialization.

**Custom Layout**

Layout Name: Custom Layout 1 Delete: -

Basic Layout 5x5

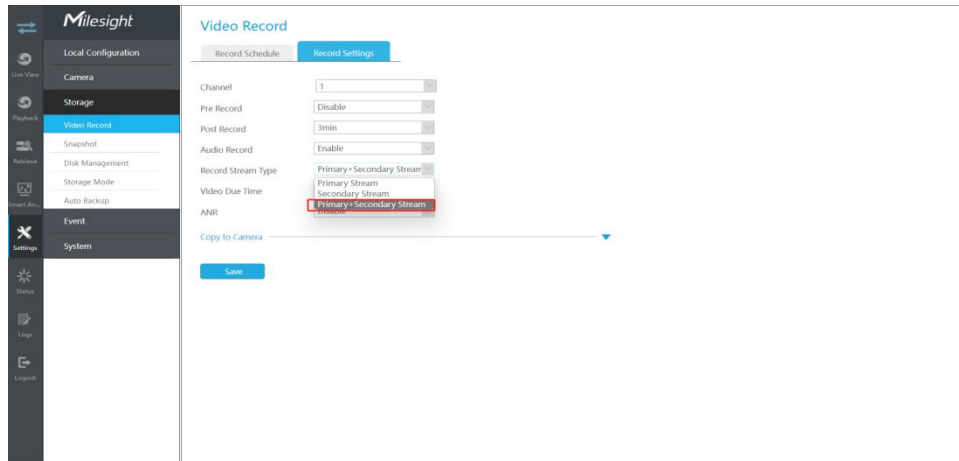
1				3
4	2			5
6				7
8	9	10	11	12
13	14	15	16	

Buttons: OK Cancel Apply

### Note:

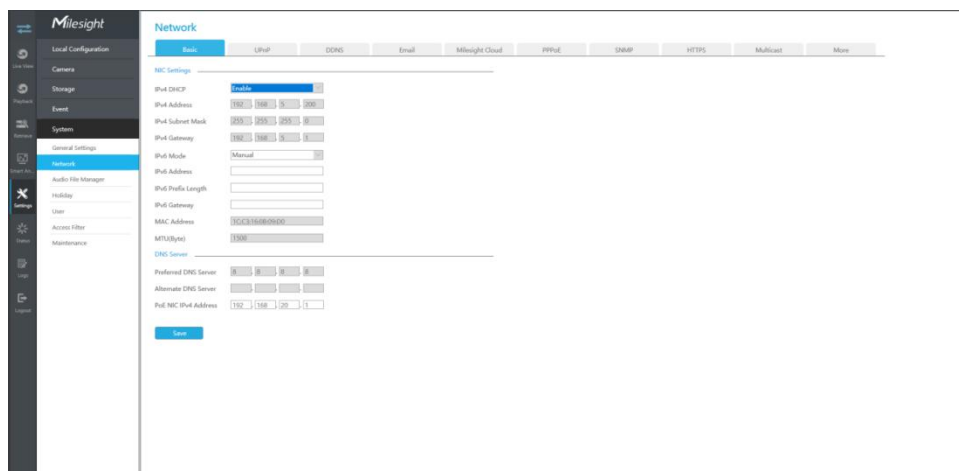
- Make sure the model is MS-N1008-UC or MS-N5008-U(P)T

## 3) For G series, It supports simultaneous recording of primary and secondary streams.



### Note:

- Make sure the NVR is 7000-G or 8000-G series.
- 4) When connecting the NVR to a network environment without a DHCP server, Support obtaining a static IP address even when the DHCP is enabled by default in the database.



- 5) Optimized the convenience of adding NVR via keyboard.
- ❖ To enhance convenience, we have made advancements in the process of adding NVR through the keyboard. When adding the NVR to the keyboard the password does not need to be entered if the NVR has already been added.

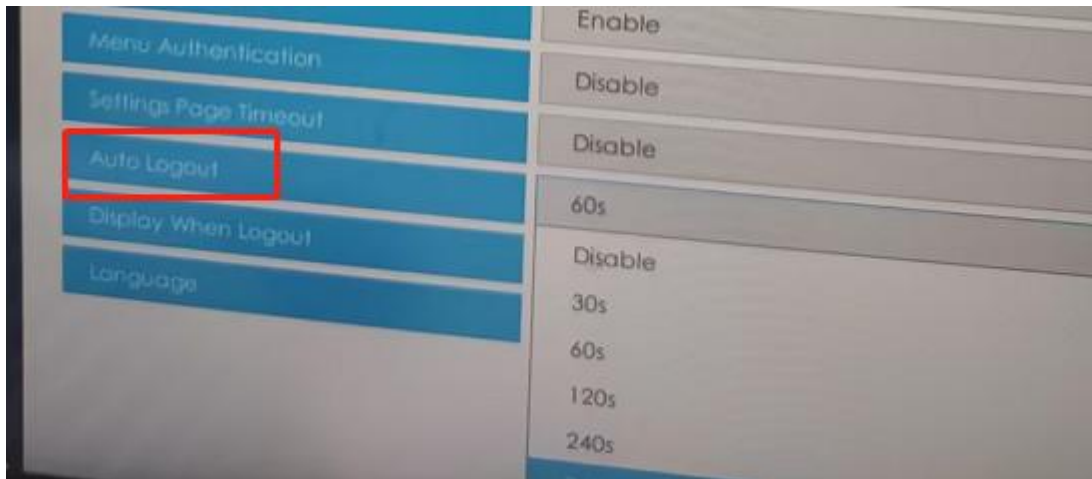
- 6) Added the pop-up prompt window on the Local monitor interface.
- ❖ When all files are completely exported that will pop-up a window displaying “export successfully” on the page.



- 7) Add a Speed column on the ANPR export report.

	A	B	C	D	E	F	G	H
1	Channel	Time	Plate	Type	Director	Region	ROI	Speed
2	CAM3	2023-09-10 10:00:00	2023-09-MRG475	Visitor	-	RUS	3-	
3	CAM3	2023-09-10 10:00:00	2023-09-NSF6397	Visitor	-	NLD	3-	
4	CAM3	2023-09-10 10:00:00	2023-09-NSC5870	Visitor	-	NLD	3-	
5	CAM3	2023-09-10 10:00:00	2023-09-XC9005	Visitor	-	NLD	3-	
6	CAM3	2023-09-10 10:00:00	2023-09-HRG47	Visitor	-	RUS	3-	
7	CAM3	2023-09-10 10:00:00	2023-09-HRG47	Visitor	-	RUS	3-	
8	CAM3	2023-09-10 10:00:00	2023-09-NSF6397	Visitor	-	NLD	3-	
9	CAM3	2023-09-10 10:00:00	2023-09-NSC5870	Visitor	-	NLD	3-	
10	CAM3	2023-09-10 10:00:00	2023-09-XC9005	Visitor	-	NLD	3-	
11	CAM3	2023-09-10 10:00:00	2023-09-MRG475	Visitor	-	RUS	3-	

- 8) Optimized several drop-down sliders on the Local monitor side.
- ❖ the local monitor supports drop-down sliding on these pages.
    - ①PTZ Configuration->Basic
    - ②Image->Display/Enhancement
    - ③Audio
    - ④ANPR
    - ⑤Face Capture
    - ⑥People Counting
- 9) Support auto-logout in the Live View interface on the local monitor side.



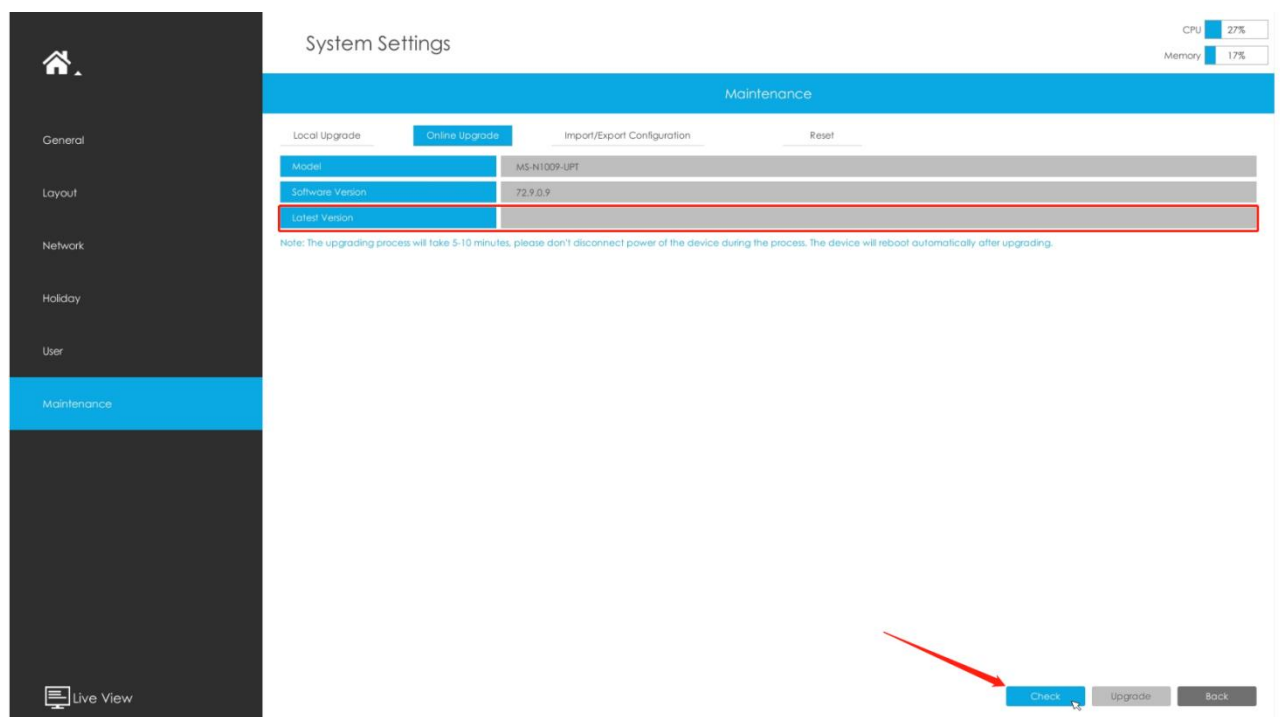
## 4. Upgrade steps

### 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 upgrade.



System Settings

CPU 27%  
Memory 17%

Maintenance

Local Upgrade Online Upgrade Import/Export Configuration Reset

Model	MS-N1009-UPT
Software Version	72.9.0.9
Latest Version	

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.

Check Upgrade Back

## 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.

Maintenance

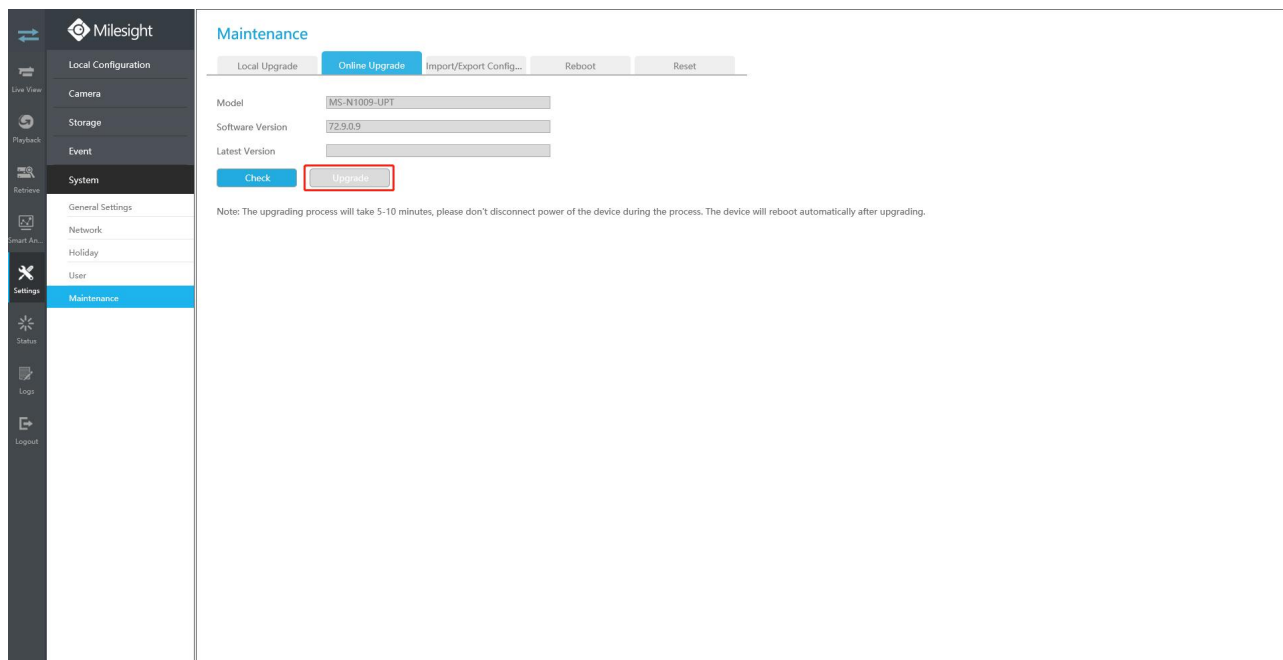
Local Upgrade Online Upgrade Import/Export Config... Reboot Reset

Model	MS-N1009-UPT
Software Version	72.9.0.9
Latest Version	

Check Upgrade

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.

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

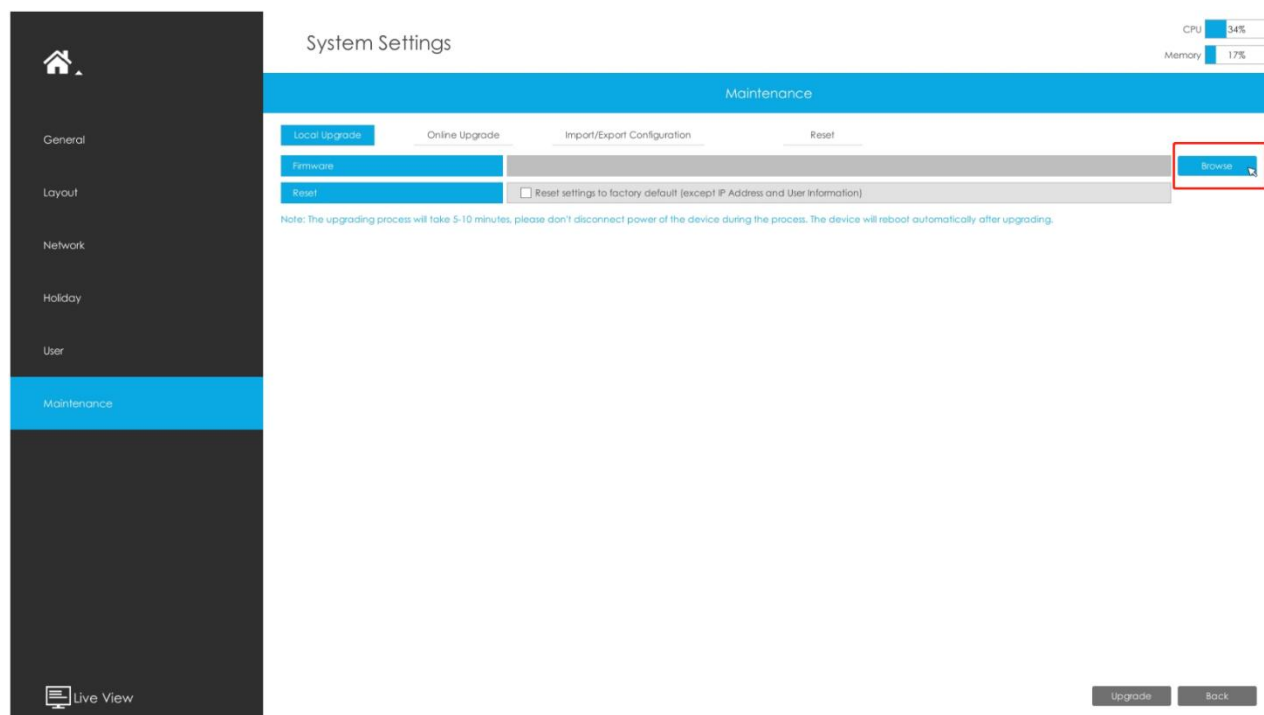


## 4.2 Local Upgrade

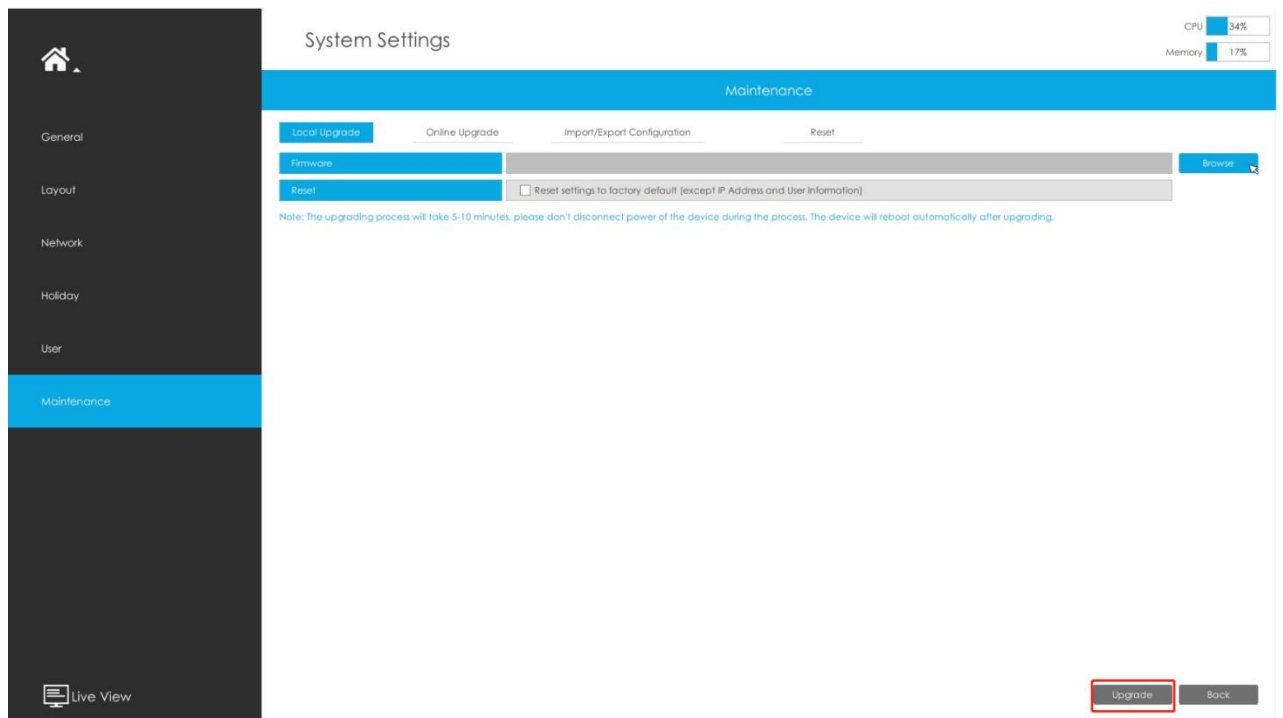
### ① Local Upgrade via Monitor

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

**Step2.** Click “Browse” and select corresponding firmware you download in your USB;



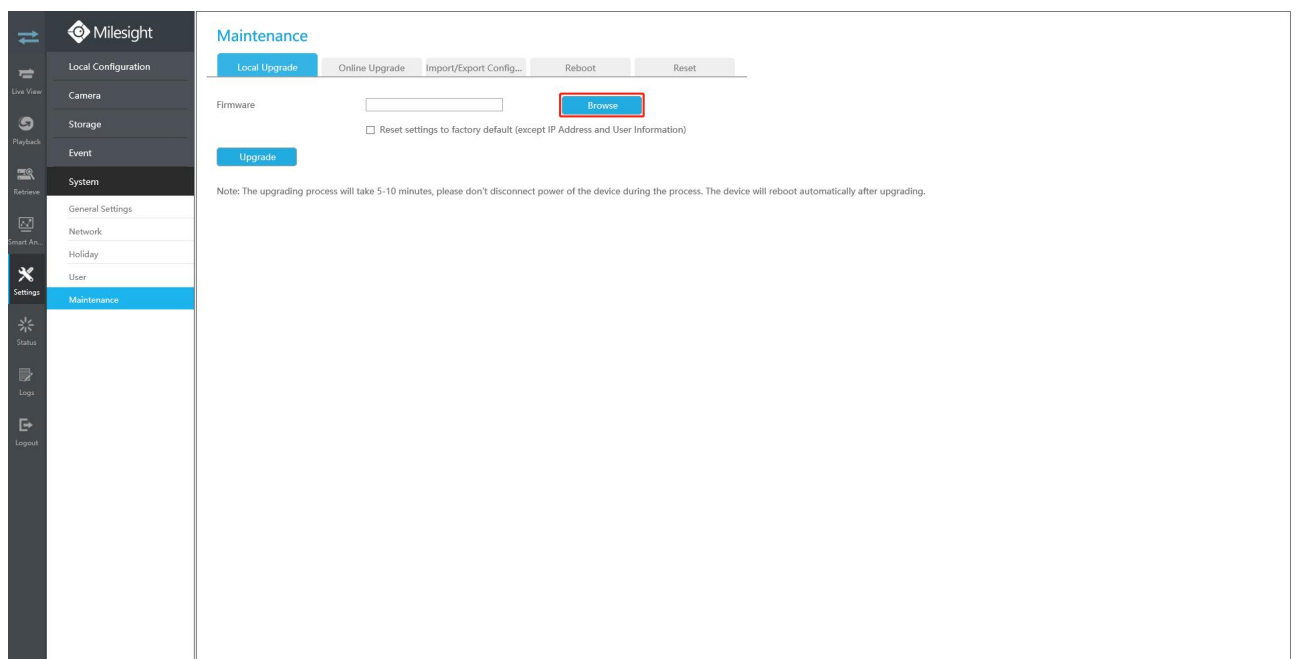
**Step3.** Click “Upgrade” button to confirm the upgrade. The system will reboot automatically after upgrade.



## ② Local Upgrade via Web Page

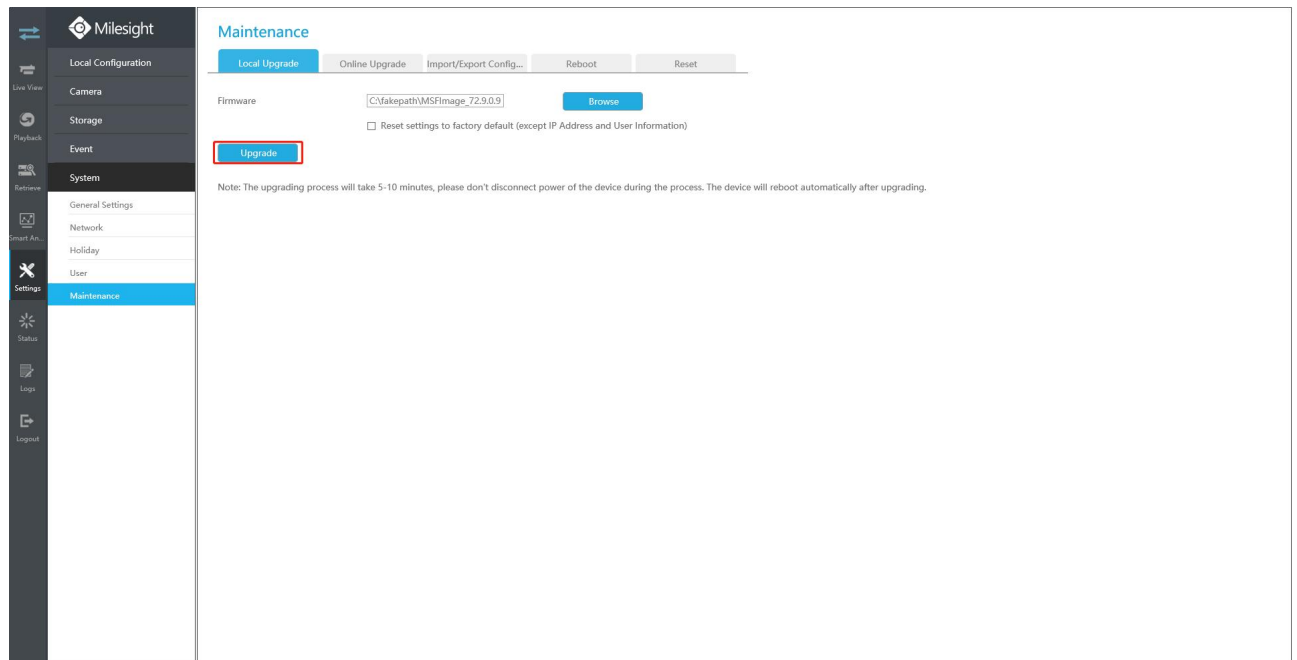
**Step1.** Enter upgrade menu by clicking Settings -> System -> Maintenance -> Local Upgrade;

**Step2.** Click “Browse” for System Upgrade and find the position 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 upgrade.



The screenshot displays the Milesight web interface. On the left is a dark sidebar with navigation icons and labels: Local Configuration, Camera, Storage, Event, System, General Settings, Network, Holiday, User, Maintenance (highlighted in blue), Status, Logs, and Logout. The main content area is titled "Maintenance" and contains several tabs: Local Upgrade (active), Online Upgrade, Import/Export Config..., Reboot, and Reset. Under the "Local Upgrade" tab, there is a "Firmware" section with a text input field containing "C:\fakepath\MSFimage\_72.9.0.0" and a "Browse" button. Below this is a checkbox labeled "Reset settings to factory default (except IP Address and User Information)". A red box highlights the "Upgrade" button. At the bottom of the main content area, 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."

— END —