



Milesight_Release_Note_For_NVR_7X.9.0.3

Firmware Version: 7X.9.0.3

Release Date: 21st March, 2019

1.Overview

Milesight, a leading designer and manufacturer of IP communication products and IP video surveillance products, is pleased to announce the release of the new firmware version 7X.9.0.3 of Milesight NVR.

In this version, we add many advanced functions including **N+1 Hot Spare, Transcoding and Dual Stream Recording**, making whole system much more professional. Besides, this version support **no default password** to improve the system security, so you need to set password when you first use NVR. But you don't have to set password again if you upgrade your NVR from an older version to this one.

2.Firmware link

Model	Firmware	Download Address
MS-N1009-UT/MS-N1009-UNT/ MS-N5008-UT/MS-N5016-UT/ MS-N1009-UPT/ MS-N5008-UPT/MS-N5016-UPT	72.9.0.3	https://drive.google.com/open?id=1UKQwFFeq71Q56l0us-dPM4zWMh2Of-bW
MS-N7016-UH/MS-N7032-UH/ MS-N8032-UH/MS-N8064-UH/ MS-N7016-UPH/MS-N7032-UPH	71.9.0.3	https://drive.google.com/open?id=1Uhg68VdintvQu_WrFqK-ZzbgFdKwHRf3

Note:

- ① If you failed to download the firmwares by clicking the links directly, please copy the links to browser to download.
- ② The second number stands for the major version number, while the last two numbers mean the sub version number. Take 71.9.0.3 for example, the NVR's main version is 9 and it's sub version is 3.

3.What's new

3.1 New Features

- (1) Support **N+1 Hot Spare**. Configured as the architecture of N pcs Master NVRs and 1 hot spare Slave NVR, Milesight N+1 Hot Spare guarantees the data integrity and reliability of video surveillance system. You can set it on NVR monitor Settings -> Hot Spare.

Master Mode

Hot Spare

Hot Spare Mode	Master Mode
Slave IP Address	192.168.40.42
Slave Admin Password	*****
Slave Status	Link is up (Ready)

Slave Mode

Hot Spare

Hot Spare Mode: Slave Mode

Master List

No.	IP Address	MAC Address	Model

Refresh
Add

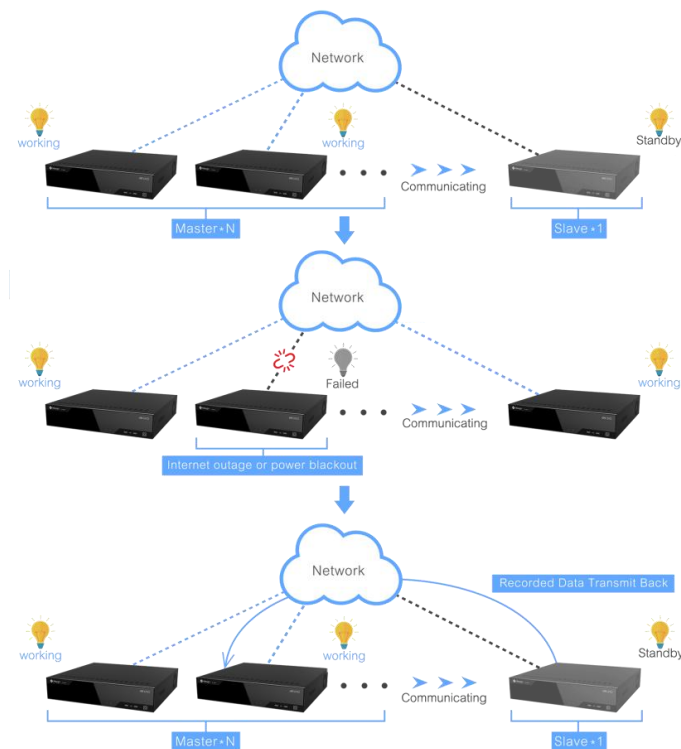
Master Status

No.	IP Address	MAC Address	Model	Connection Status	Working Status	Delete
1	192.168.40.44	1CC3160A7EF4	MS-N7032-UH	Online	Normal	✕

N+1 Hot Spare Working Mechanism

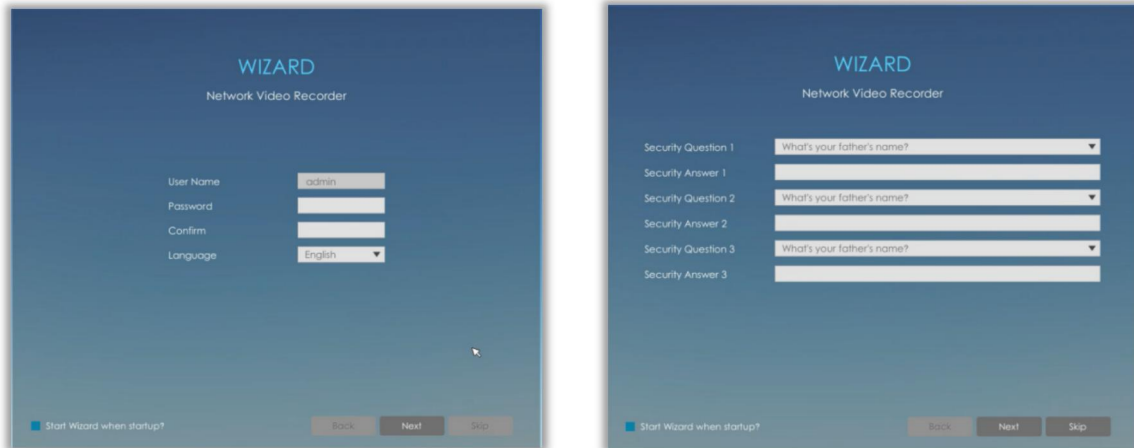
After Master NVR and Slave NVR match successfully, Hot Spare begins to work. If any one of the Master NVRs fails, the Slave NVR can take over the channel information to ensure video recording. Meanwhile, when the failed NVR recovered, the Slave NVR will send the recorded data back.

Youtube Link: <https://youtu.be/Wz3i1YHHJT8>

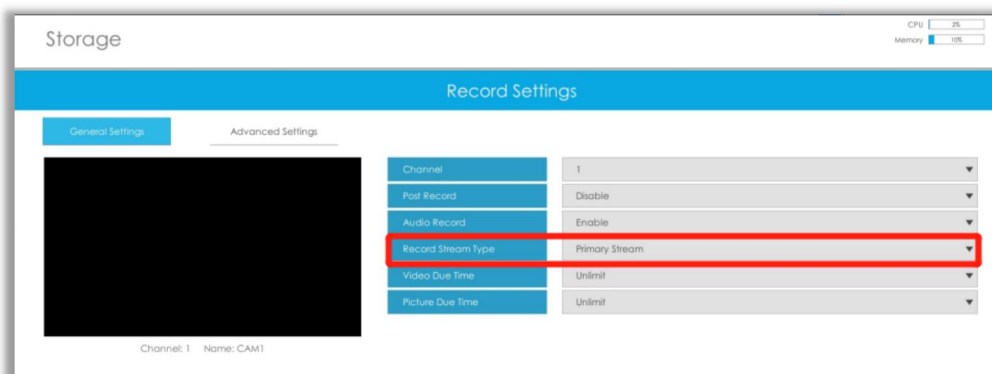



Note:

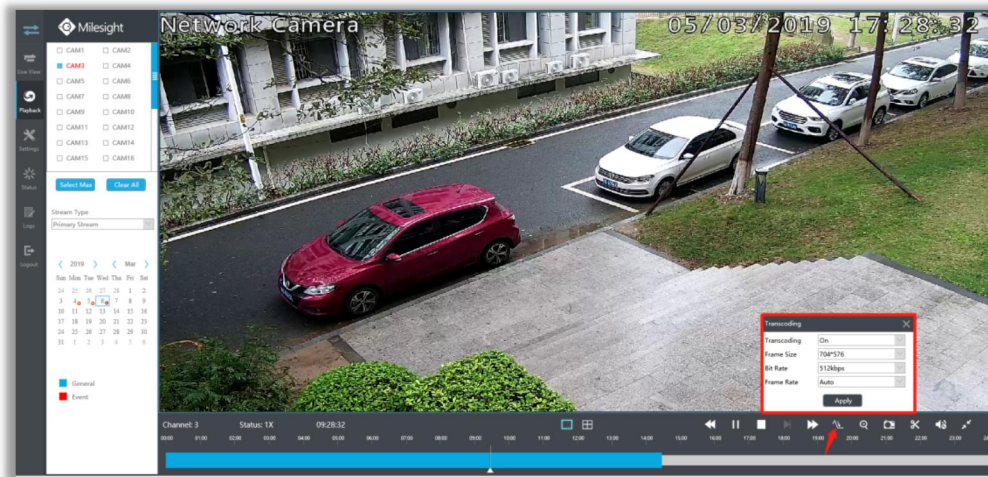
- ① Only MS-N7016-UH, MS-N7032-UH, MS-N8032-UH and MS-N8064-UH support N+1 Hot Spare function.
 - ② It is recommended to set Master NVR and Slave NVR up with the same NVR model.
- (2) Firmware V7X.9.0.3 is the one which has **no default password**, aiming to provide a safer using environment for customer. So please set the admin password at the first time when you use the NVR to active the account.
- Besides, Security Questions can be set in case that you forget the password and need reset it again.
- If you skip the Security Questions settings, you can find it in User interface to set it again.

**Note:**

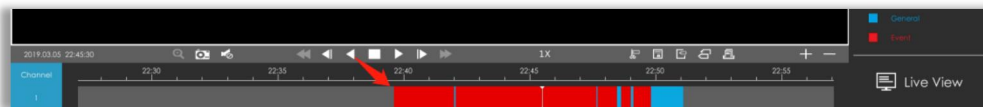
- ① Password must be 8~32 characters long.
 - ② Password must contain at least one number and one letter.
 - ③ 10 security questions are provided, you can select any one to set answer. Besides, customizing security question is available.
- (3) Support **Dual Stream Recording** (For Milesight NVR models end in T) to record with Primary Stream and Secondary Stream at the same time. It is recommended to use Secondary Stream for the remote playback viewing while Primary Stream for local playback.



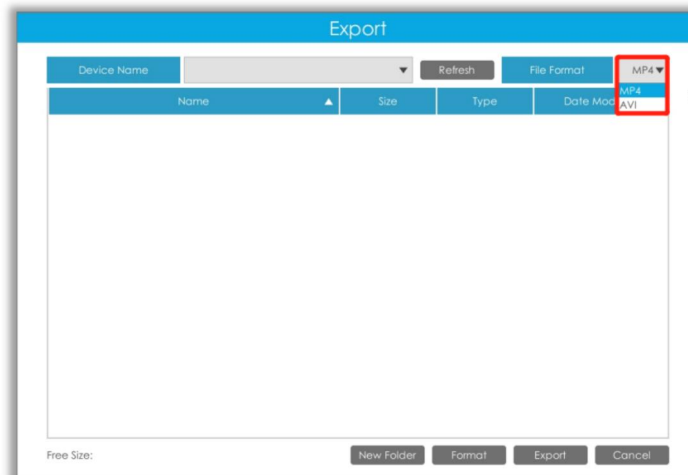
- (4) Support **Transcoding** (For Milesight NVR models end in H) for remote playback, providing a better playback performance if NVR is under poor network conditions. Click  to expand transcoding panel on NVR web. And the recorded stream will be transcoded into another one according the parameters (Frame Size, Bit Rate and Frame Rate) you set.



- (5) Support to check motion detection recording in General Playback even you set continuous record as record type.

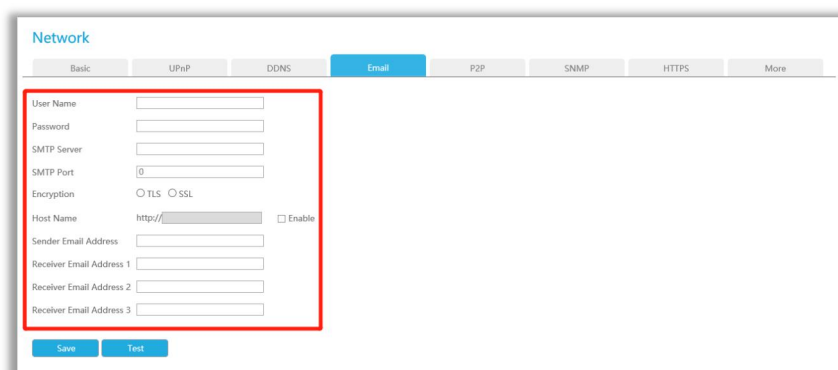


- (6) Support to export video with MP4 format. MP4 and AVI are supported.

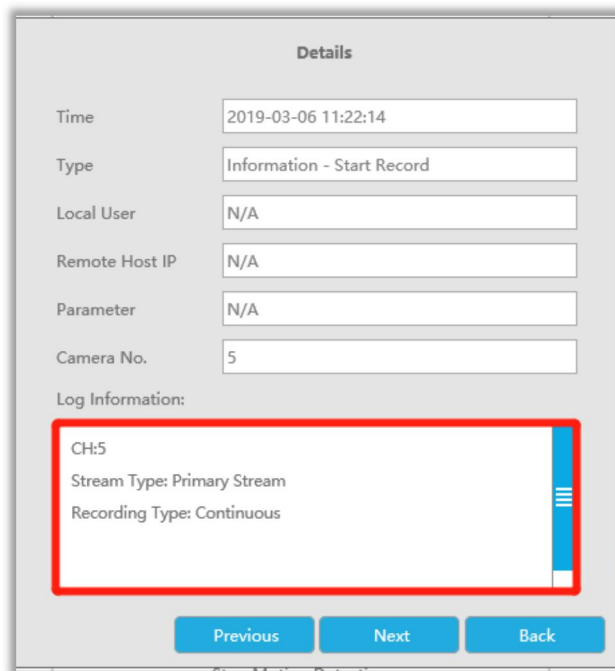


3.2 Optimizations

- (1) Optimize the web plugin to get a faster viewing experience. The latest version is 1028.
- (2) Optimize the Email settings, making it more user friendly.



- (3) Optimize the Start Record log details. Now you can check the recording type such as Motion Detection and Continuous in it.



- (4) Optimize the hardware reset mechanism. The steps are:
- ① Turn off the power.
 - ② Press the reset button.
 - ③ Long press the reset button and power on the NVR, you will hear a short beep sound.
 - ④ After 5 seconds you will hear a beep sound lasting about 3 seconds.
 - ⑤ Reset successfully when the beep sound stops.
- (5) Add Kuwait time zone.
- (6) Optimize the working stability of MS-N8064-UH.
- (7) Optimize other issues.

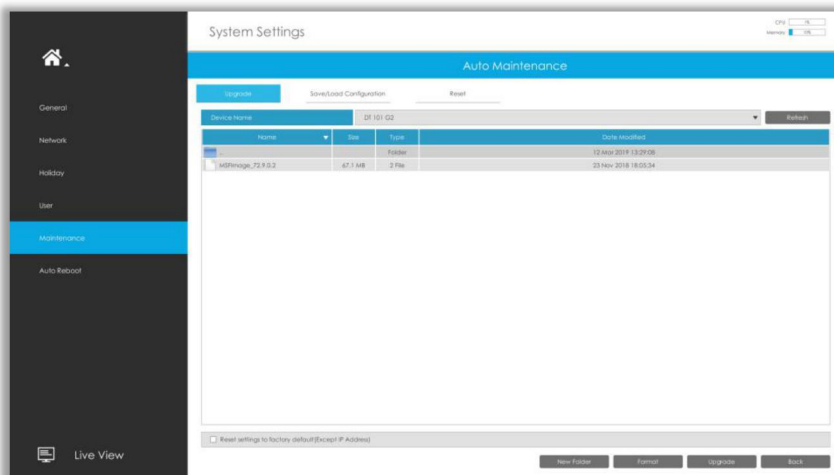
3.3 Bug Fixes

- (1) Fix the bug that motion detection recording doesn't work because the recording schedule doesn't take effect.
- (2) Fix the bug that camera shows wrong record status in Status -> Camera Status.
- (3) Fix the bug that time doesn't work if you input a local server IP as NTP Server.
- (4) Fix the playback bug that channels stop playing randomly if multiple channels play back at the same time.
- (5) Fix the playback bug that if multiple channels play back at the same time, playback time and pointer stays in wrong place when playback finished.
- (6) Fix some display issues.
- (7) Fix other bugs.

4. Upgrade Steps

4.1 Upgrade via Monitor:

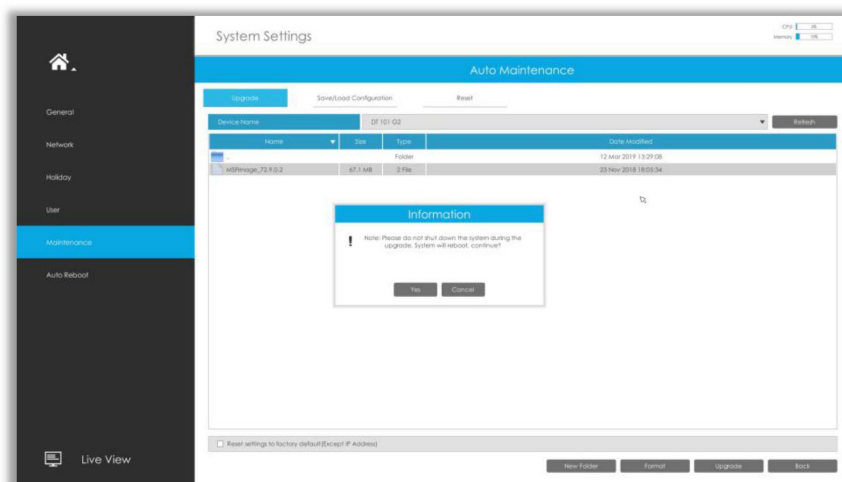
Step1. Enter the upgrade menu by clicking Main Menu -> System Settings -> Upgrade;



Step2. Search and select corresponding firmware you downloaded in your USB;



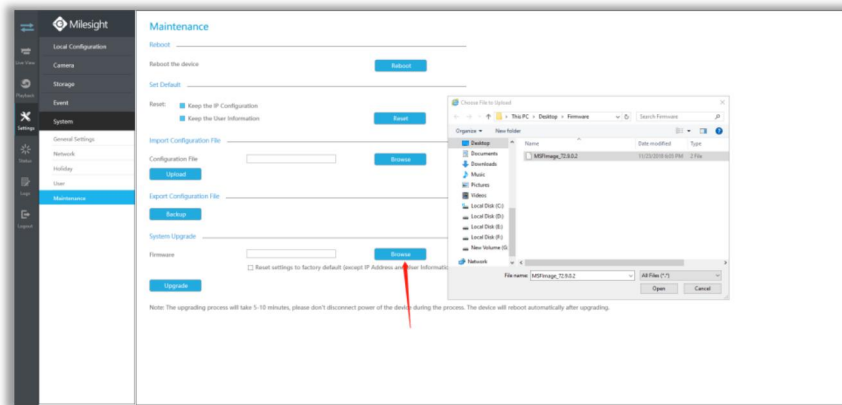
Step3. Click [Upgrade] button to confirm the upgrade. The system will reboot automatically after upgrade.



4.2 Upgrade via Web Page:

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

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.

