



Milesight_Release_Note_For_4K_Pro_NVR

Firmware Version: 71.7.0.5-beta1

Application Model:

MS-N5016-UH/5032-UH/7016-UH
/7032-UH/8032-UH

Release Date: 23th May, 2016

1. Overview

Milesight, a leading designer and manufacturer of IP communication products and IP video surveillance products, is pleased to announce the release of a massive revamp of its products, including MS-N5016-UH/MS-5032-UH, MS-N7016-UH/ MS-7032-UH and MS-N8032-UH.

The brand new Milesight 4K Pro NVR series is specially designed for flexible and reliable high definition surveillance. The Pro NVR series is a full-featured high-performance H.265 NVR which empowers users to set up and manage advanced IP surveillance systems with ease



4K/H.265 Pro NVR 5000 Series
Size: 440mm×251mm×44.4mm
Weight: 2.6kg

4K/H.265 Pro NVR 7000 Series
Size: 440mm×320mm×66.8mm
Weight: 4.1kg

4K/H.265 Pro NVR 8000 Series
Size: 440mm×420mm×88.2mm
Weight: 6.0kg

2. Firmware link

Model	Firmware	Download Address
MS-N5016-UH /5032-UH/7016-UH /7032-UH/8032-UH	71.7.0.5-beta1	https://drive.google.com/open?id=0B3OW8hozx4jWNkISVzQ1V2d0dWc_

Note:

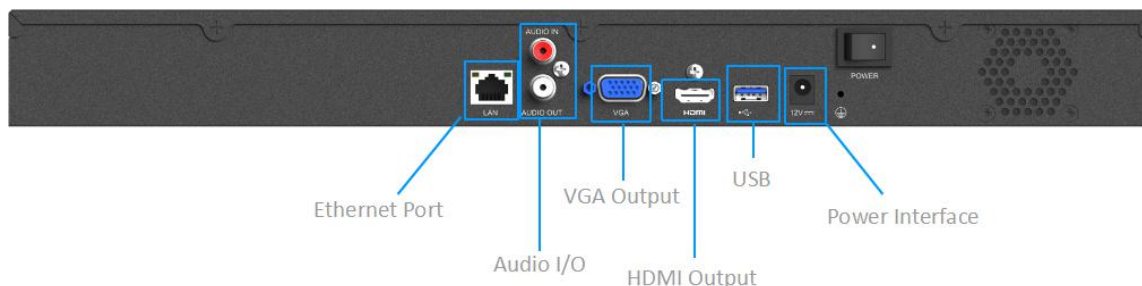
- 1) If you fail to download the firmwares via clicking the links directly, please copy the links to browser to download them;
- 2) The second number stands for the major version number, while the last two number means the sub version number. Take 71.7.0.5 for an example, it means the NVR's main version is 71 and it's sub version is 5;
- 3) You can upgrade your NVR via local monitor or via web browser.

3. Versatile Interface

The interface of 4K Pro NVR is as the following table shows:

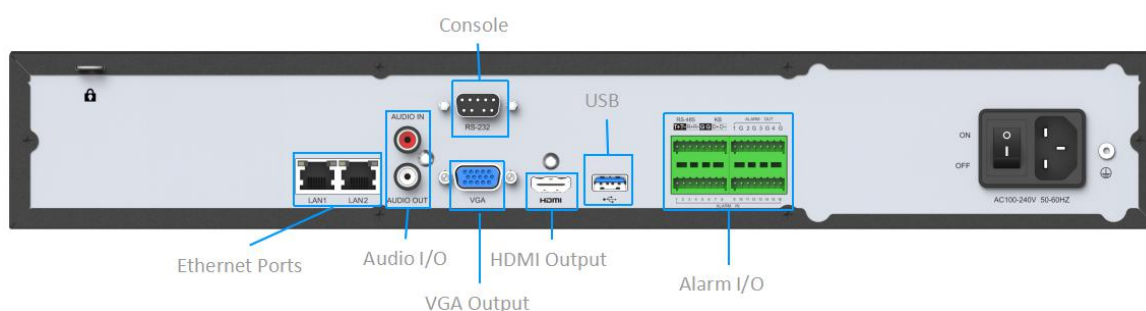
4K Pro 5000 Series		
Model	MS-N5016-UH	MS-N5032-UH
Power	DC 12V	
Ethernet Port	1	
USB	1*USB 3.0; 2*USB 2.0	

HDMI	1
VGA	1
Audio I/O	1*RCA/1*RCA
SATA	2*3.5"



4K Pro 7000 Series

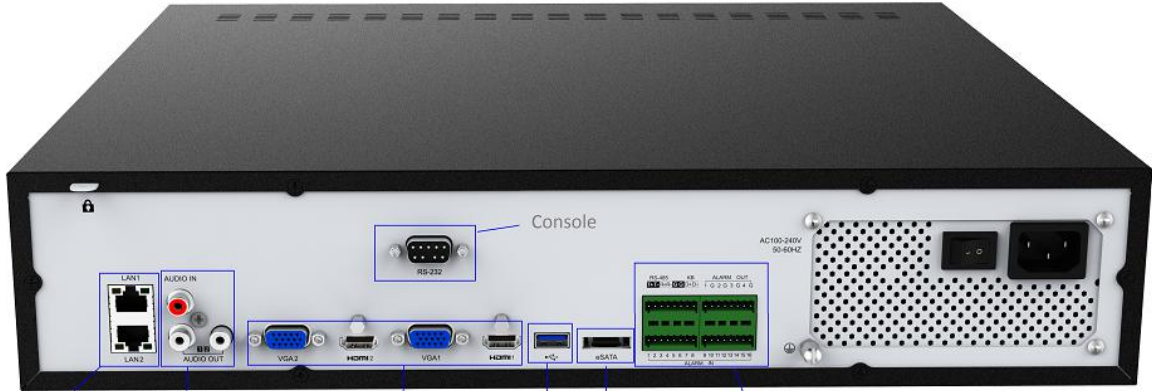
Model	MS-N7016-UH	MS-N7032-UH
Power	AC 100V-240V	
Ethernet Port	2	
USB	1*USB 3.0; 2*USB 2.0	
HDMI	1	
VGA	1	
Audio I/O	1*RCA/1*RCA	
Alarm I/O	16-ch/4-ch	
Serial Interface	1*RS-485 Series Port for PTZ, 1*RS-232 Series Port for Console, 1*RS-485 Series Port for Keyboard	
SATA	4*3.5"	



4K Pro 8000 Series

Model	MS-N8032-UH
Power	AC 100V-240V
Ethernet Port	2
USB	1*USB 3.0; 2*USB 2.0
HDMI	2
VGA	2
Audio I/O	1*RCA/2*RCA
Alarm I/O	16-ch/4-ch

Serial Interface	1*RS-485 Series Port for PTZ, 1*RS-232 Series Port for Console, 1*RS-485 Series Port for Keyboard
SATA	8*3.5"
eSATA	1



4. Capability

The H.265 NVR also enjoys a new, much faster chip, and the decoding capability is more than twice as powerful as previous version. The 4K Pro NVR series is an ideal for those application requiring robust decoding and recording performance:

Model		MS-N5016-UH/ MS-N5032-UH	MS-N7016-UH/ MS-N7032-UH	MS-N8032-UH
Video/Audio Input	Network Video Input	16/32	16/32	32
	Max. Stream	80/160Mbps	80/160Mbps	160Mbps
	Network Audio Input	16/32	16/32	32
	Analog Audio Input	1*RCA	1*RCA	1*RCA
Video/Audio Output	HDMI Output	1	1	2
	VGA Output	1	1	2
	Audio Output	1*RCA	1*RCA	2*RCA
	Synchronous Preview / Synchronous Playback	30fps@D1 (704×576)	16/32	32
		30fps@720P (1280×720)	16/32	32
		30fps@1080P (1920×1080)	16	16
		20fps@3MP (2592×1520)	10	10

		20fps@4MP (2516×1536)	8	8	8
		8fps@5MP (2560×1920)	6	6	6
		30fps@2160P (3840×2160 /4096×2160)	4	4	4
Video/Audio Compression	Video Compression	H.265(HEVC)/H.264			
	Recording Resolution	8MP(UHD-2160P)/5MP/4MP/3MP/1080P/UXGA/720P/VGA/D1/CIF/QCIF			
	Max Synchronous Recording	16/32 (5MP)	16/32 (5MP)	32 (5MP)	
Storage	SATA	2 SATA 3.5" HDD with 6TB each	4 SATA 3.5" HDD with 6TB each	8 SATA 3.5" HDD with 6TB each	
	External Storage	—	—	1 eSATA	
Interface	USB	1*USB 3.0; 2*USB 2.0			
	Alarm Input/Output	—	16 input/4 output		

5. Other Features

1) Leading-edge H.265 Compression:

H.265 is the next-generation video compression format that is twice as efficient as H.264. Compared to H.264, H.265 has the following benefits:

- ① 50% reduction in bandwidth;
- ② 50% reduction in storage;
- ③ 50% reduction in bitrate at the same visual quality;
- ④ Future-proof technology up to 8K;



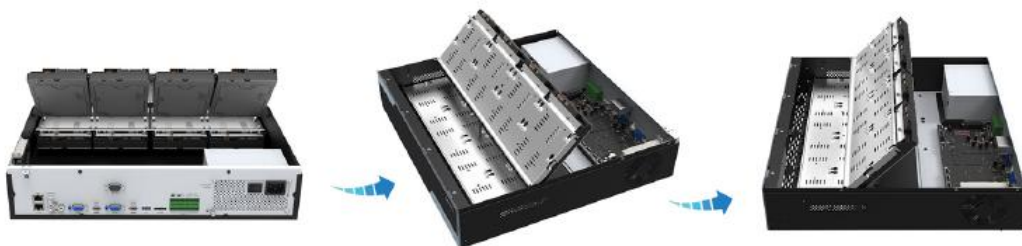
2) 4K video viewing experience:

Milesight 4K Pro NVR series introduces a whole new more smooth operation interface. When direct access to 4K network cameras it can decoded 4K real-time video and recording, to provide users with ultra-high-definition video viewing experience. The 4K Pro NVR series support



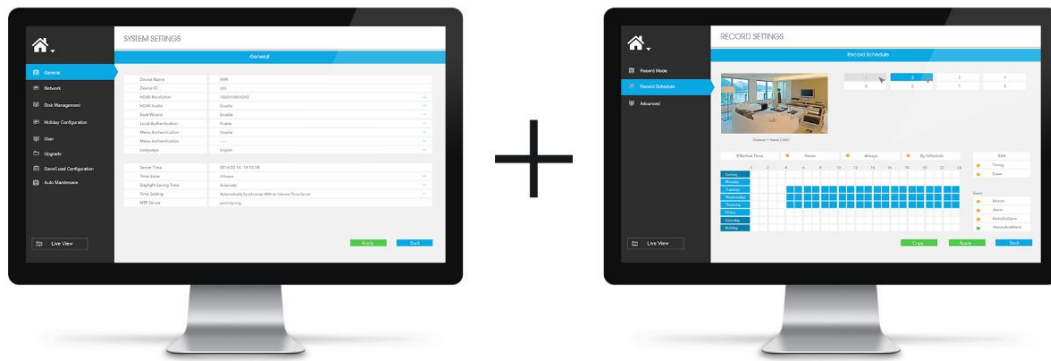
3) Optimized hard disk installation:

Hardware components are optimized to meet the demands for convenient and stable hard disk installation. The 4K Pro NVR 7000/8000 series provides a new way to ease the installation procedure. With the 4 HDDs tightly screwed in each bracket and the two brackets locked in the slots design, the hard disks are surprisingly simpler to mount and the installation time is greatly minimized. More details about HDDs installation can be found by click the following link: <https://youtu.be/2aB5S6tXiWE>



4) Independent main and Auxiliary monitors:

In order to provide a more extensive video display, Milesight 4K Pro NVR 8000 series can be connected with Main Monitor and Auxiliary Monitor to show different layouts on each monitor. The Auxiliary Monitor is a complementary to the Main Monitor and operations on separate monitor are supported simultaneously to offer a more efficient and explicit surveillance.



Note:

The M-VMS will support to connect the 4K Pro NVR series soon.