

MILESIGHT 4K H.265 PRO NVR SERIES

Milesight 4K H.265 Pro NVR Series provides users an ideal video management system for professional monitoring and unsurpassed reliability. The 4K H.265 Pro NVR family is composed of Pro NVR 5000/7000/8000 Series and PoE NVR 5000/7000 Series, which all feature a full range of high performance units. It is worth mentioning that besides supporting the functions required to offer a robust system for the demanding applications, the PoE NVRs can also automatically detect, configure and play the live view of the network cameras with the true plug-and-play performance.

LEADING-EDGE H.265 COMPRESSION

It will extend the days to save recording file with H.265 than with other compressions.

NEW FILE SYSTEM

Applied with the New Milesight File System (MSFS), Milesight NVRs bring completely new user-experience.

- Lock Record File, Tag Video and Playback File Management
- General, Event, Tag and Picture Playback
- Common Backup, Event Backup and Picture Backup
- NAS and Disk Group Function



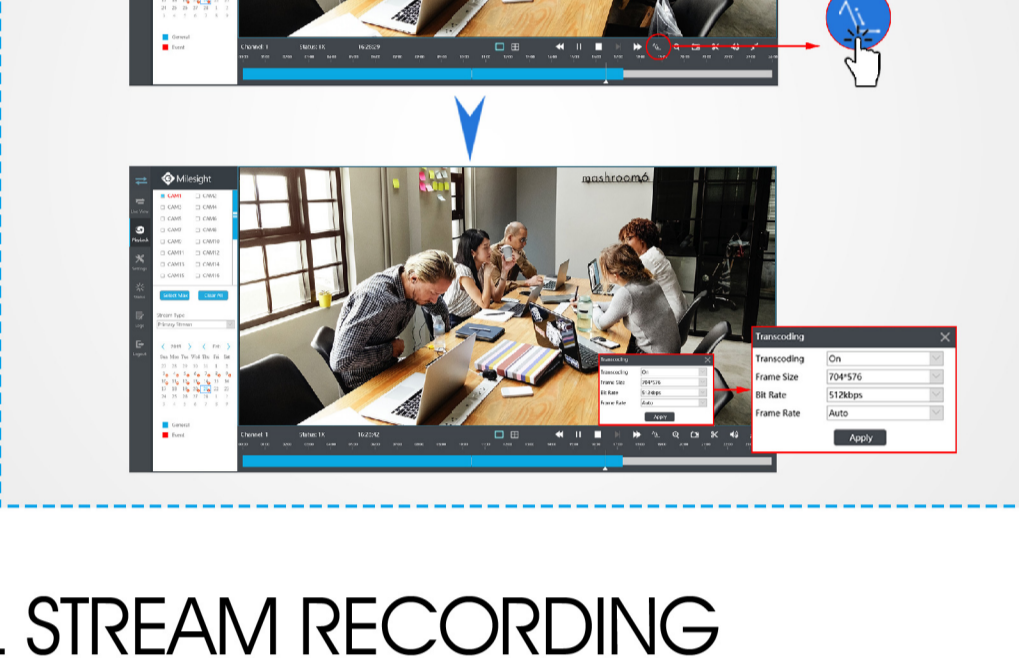
4K VIDEO VIEWING EXPERIENCE

Milesight 4K H.265 Pro NVR Series supports up to 4K definition (3840*2160, effectively four times that of Full HD) live viewing, playback and recording, providing users with ultra-high-definition video viewing experience.



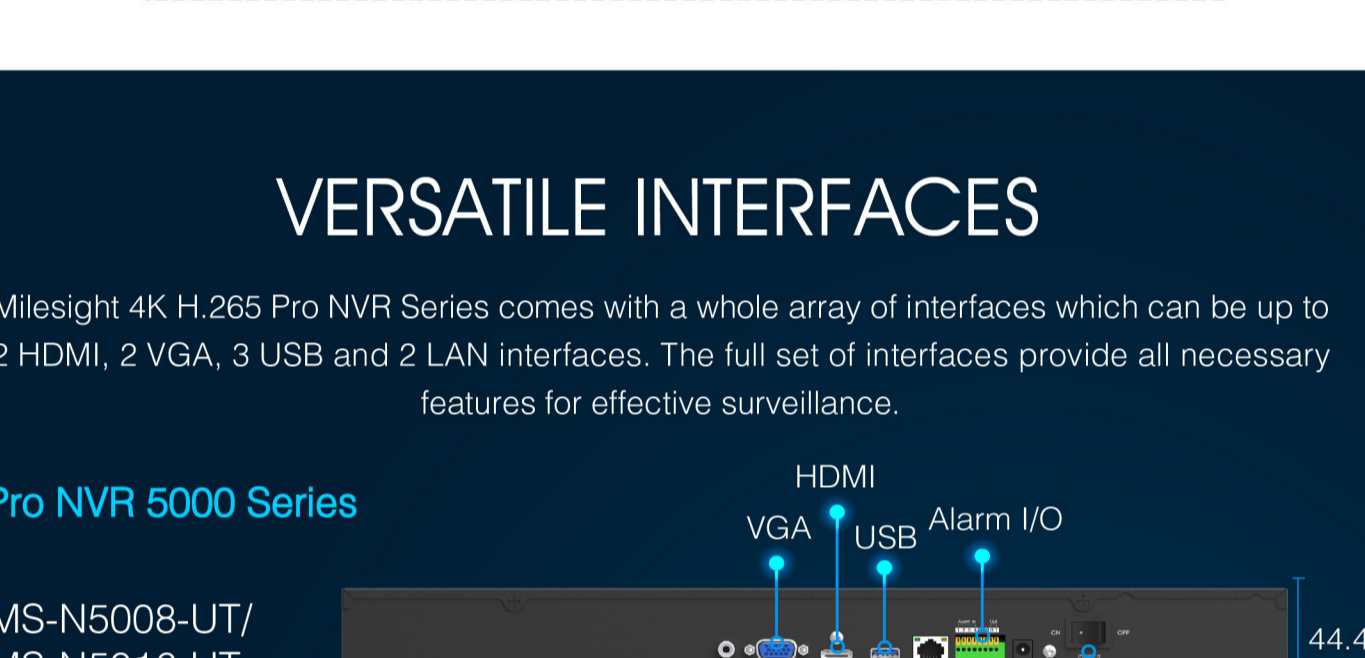
PLUG AND PLAY

Milesight PoE NVR Series features independent PoE for easy connection and configuration of network cameras, which will provide power to the camera while streaming video/audio/data over one single cable. The NVR will automatically detect, configure and play the live view of the network cameras once the cable is plugged, greatly eliminating the need for much time and expertise and achieving a virtually hassle-free installation process.



VCA

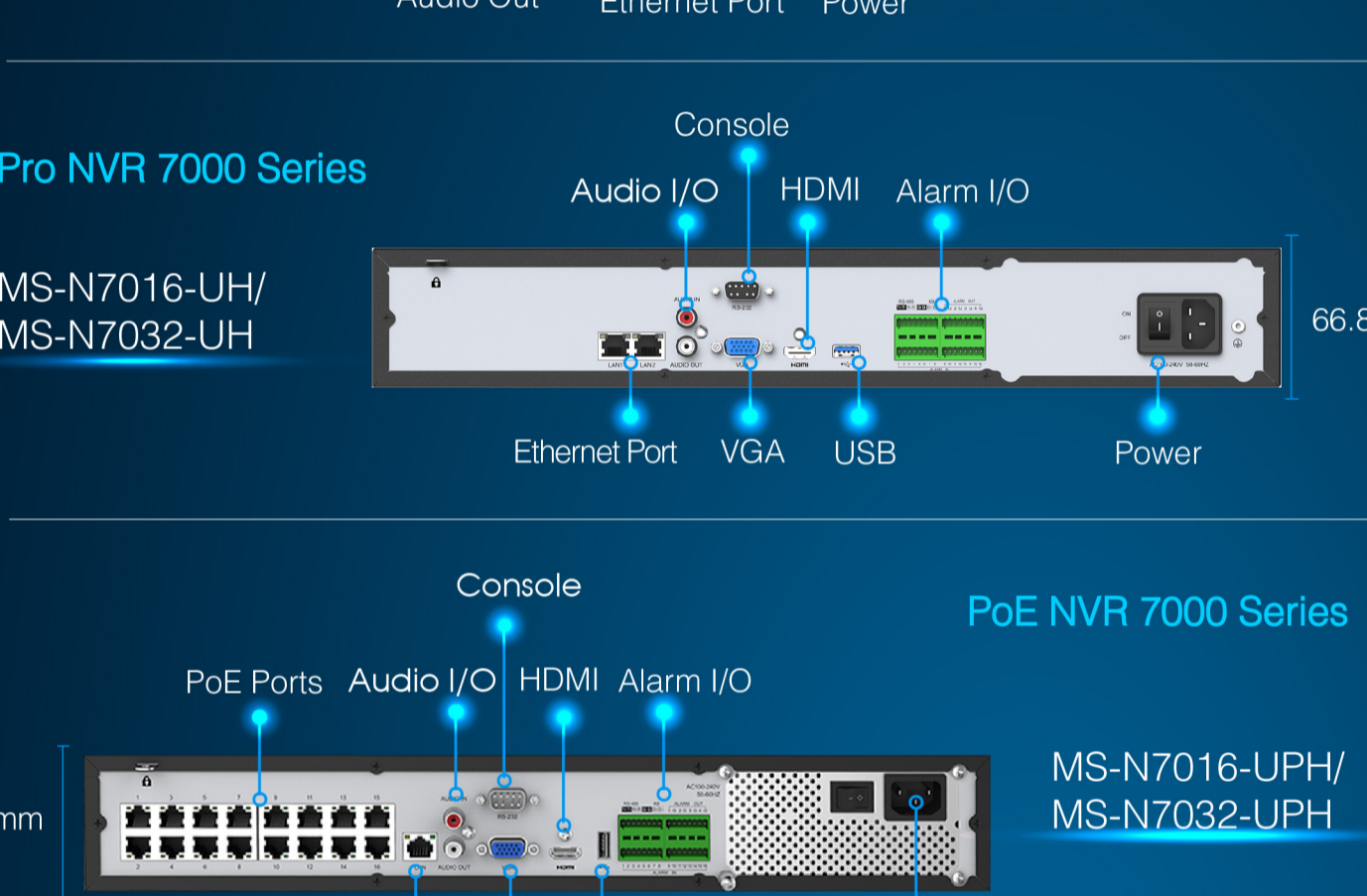
Milesight NVRs label themselves as intelligent on the basis of the powerful file system MSFS with 10 VCA functions availability, including Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left and Object Removed.



MILESIGHT N+1 HOT SPARE

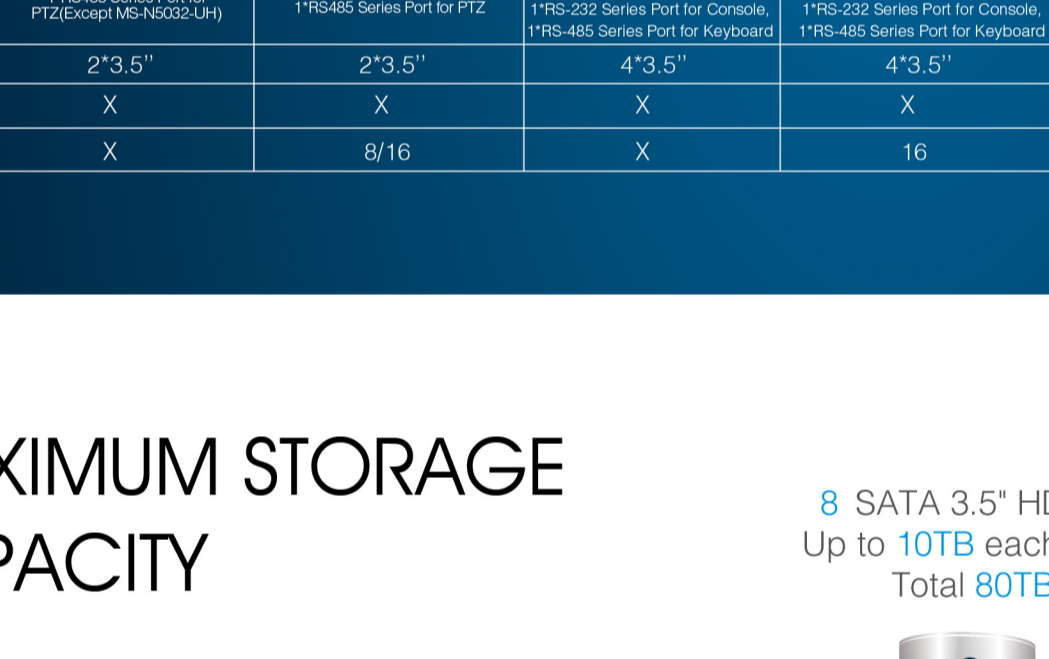
(Applicable for 4K H.265 Pro NVR 7000 and 8000 Series)

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. If any one of the master NVRs fails, the slave NVR can take over the data to ensure continuous video recording. Meanwhile, when the failed NVR recovered, the slave NVR will send the data back to prevent the risk of data loss.



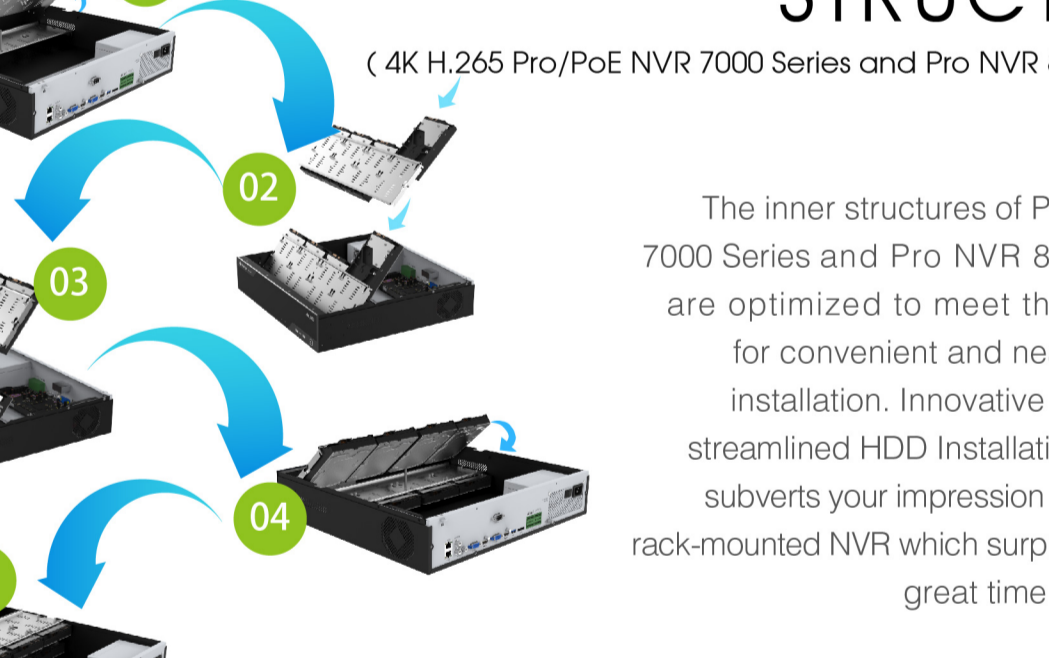
TRANSCODING

Transcoding (For Milesight NVR models end in H) could be set at **M-Sight Pro or NVR web page** to transcode the recorded stream into a smaller one, aiming to reduce the network load and provide better playback performance.



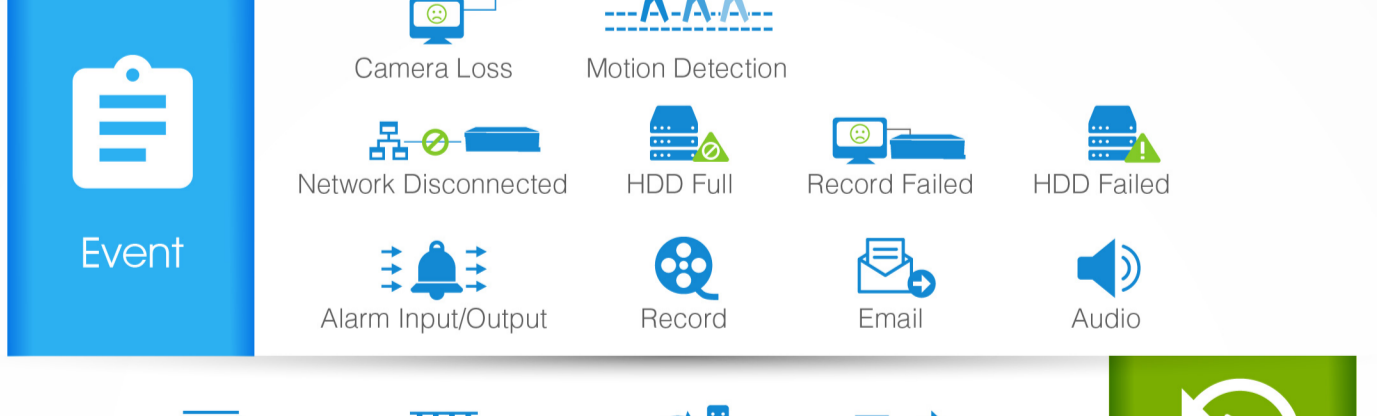
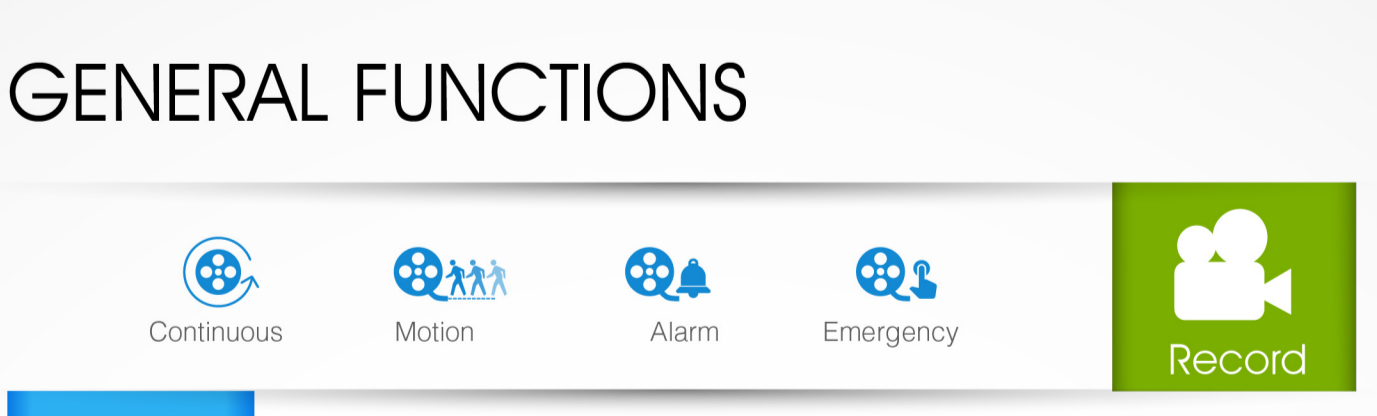
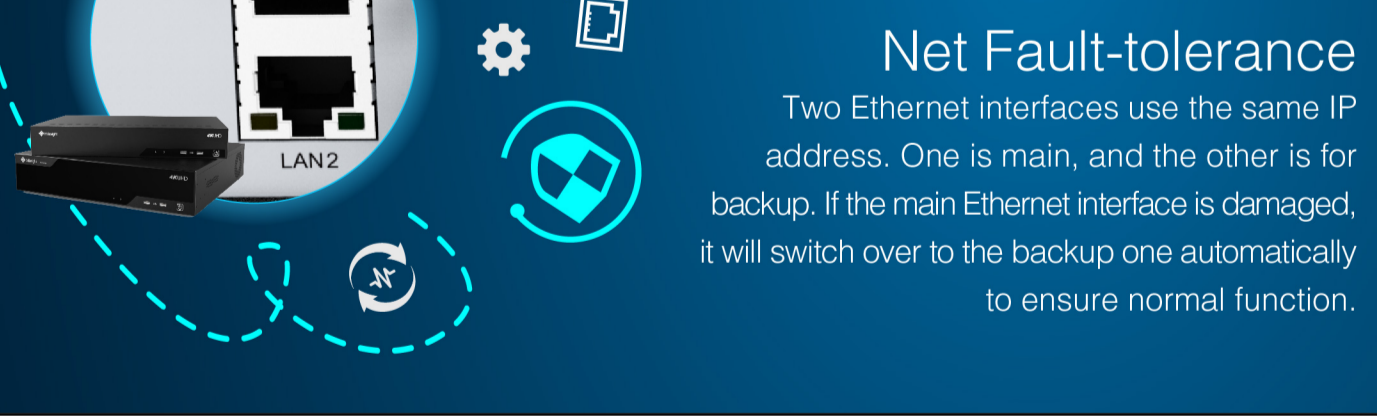
DUAL STREAM RECORDING

Dual Stream Recording (For Milesight NVR models end in T) enables the NVR to record in Primary+Secondary Stream. And Secondary Stream could be used in remote playback for better viewing experience.



VERSATILE INTERFACES

Milesight 4K H.265 Pro NVR Series comes with a whole array of interfaces which can be up to 2 HDMI, 2 VGA, 3 USB and 2 LAN interfaces. The full set of interfaces provide all necessary features for effective surveillance.



Model	4K Pro 5000 Series	4K PoE 5000 Series	4K Pro 7000 Series	4K PoE 7000 Series	4K Pro 8000 Series
Power	DC 12V	AC 100V-240V	AC 100V-240V	AC 100V-240V	AC 100V-240V
Ethernet Port	1	1	2	1	2
USB	1*USB 3.0/2*USB 2.0	1*USB 3.0/2*USB 2.0	1*USB 3.0/2*USB 2.0	1*USB 3.0/2*USB 2.0	1*USB 3.0/2*USB 2.0
HDMI	1	1	1	1	2
VGA	1	1	1	1	2
Audio I/O	1*RC/A/1*RC/A/1*RC/A	0*RC/A/1*RC/A	1*RC/A/1*RC/A	1*RC/A/1*RC/A	1*RC/A/2*RC/A
Alarm I/O	4*CH/1*CH	4*CH/1*CH	16*CH/4*CH	16*CH/4*CH	16*CH/4*CH
Serial Interface	1*RS485 Series Port for PTZ/1*RS485 Series Port for PTZ	1*RS485 Series Port for PTZ	1*RS485 Series Port for PTZ/1*RS485 Series Port for Console/1*RS485 Series Port for Keyboard	1*RS485 Series Port for PTZ/1*RS485 Series Port for Console/1*RS485 Series Port for Keyboard	1*RS485 Series Port for PTZ/1*RS485 Series Port for Console/1*RS485 Series Port for Keyboard
eSATA	2*3.5"	2*3.5"	4*3.5"	4*3.5"	8*3.5"
eSATA	X	X	X	X	1
PoE Ports	X	8/16	X	16	X

MAXIMUM STORAGE CAPACITY

OPTIMIZED HDD INSTALLATION STRUCTURE

The inner structures of Pro/PoE NVR 7000 Series and Pro NVR 8000 Series are optimized to meet the demands for convenient and neat hard disk installation. Innovative design with streamlined HDD installation structure subverts your impression of traditional rack-mounted NVR which surprisingly save great time and efforts.

DUAL MONITOR DISPLAY

(Applicable for 4K H.265 Pro NVR 8000 Series)

Milesight 4K H.265 Pro NVR 8000 Series can set up dual monitor display with 2 HDMI and 2 VGA interfaces. The primary monitor and secondary monitor can be configured separately and have their own display settings which enable users to have different liveview or playback display layout simultaneously, offering a more efficient and explicit surveillance.

DUAL LAN INTERFACES FOR THREE NETWORK WORKING MODES

Multi-Address
Two Ethernet interfaces use different IP addresses and work separately in LAN1 and LAN2. One of them could be chosen as default LAN to transmit data.

Load Balance
Two Ethernet interfaces use the same IP address. And they share the bandwidth of the system, which is aimed at increasing the throughput.

Net Fault-tolerance
Two Ethernet interfaces use the same IP address. One is main, and the other is for backup. If the main Ethernet interface is damaged, it will switch over to the backup one automatically to ensure normal function.

GENERAL FUNCTIONS

RAID 0/1/5/6/10 SUPPORTED

RAID (Redundant Array of Independent Disks) is a method of combining hard disks as a logical unit to achieve redundancy and greater speed of writing and reading data. There are 5 different RAID levels (0, 1, 5, 6, 10) supported by Milesight 4K H.265 Pro/PoE 7000 series and Pro 8000 series, which can be configured according to user's exact project requirements for data protection and storage space, providing reliable, high availability storage.

POWERFUL DECODING AND RECORDING PERFORMANCE

Milesight 4K H.265 Pro NVR Series is ideal for applications requiring robust decoding and recording performance.

Model	30fps@8MP	30fps@6MP	30fps@5MP	30fps@4MP	30fps@3MP	30fps@1080P	30fps@720P	30fps@D1
MS-N5008-UT	2-CH	2-CH	3-CH	4-CH	5-CH	8-CH	8-CH	8-CH
MS-N5008-UPT	2-CH	2-CH	3-CH	4-CH	5-CH	8-CH	16-CH	16-CH
MS-N5016-UT	2-CH	2-CH	3-CH	4-CH	5-CH	8-CH	16-CH	16-CH
MS-N7016-UH	4-CH	5-CH	6-CH	8-CH	10-CH	16-CH	16-CH	16-CH
MS-N7016-UPH	4-CH	5-CH	6-CH	8-CH	10-CH	16-CH	32-CH	32-CH
MS-N8032-UH	4-CH	5-CH	6-CH	8-CH	10-CH	16-CH	32-CH	64-CH

REMOTE ACCESS VIA MILESIGHT CMS AND APP

Milesight 4K H.265 Pro NVR Series can be easily accessed and managed remotely via Milesight CMS and mobile APP.

Milesight CMS is an intelligent surveillance solution for users to manage up to 64 devices, with remote access to liveview and playback. Available on iOS and Android devices, APP is specially designed for Milesight NVR to provide users real-time surveillance.

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