

4K H.265 PoE NVR 7000 Series



MS-N7016-UPH/MS-N7032-UPH

[DATASHEET](#)

KEY FEATURES

- ▶ 16/24*PoE Ports (16/24*PoE ports design provides just one step to connect camera to NVR.)
- ▶ 16*1080P, 32*720P (Maximum supporting 16*1080P or 32*720P network cameras viewing at the same time.)
- ▶ HDMI & VGA (Providing both HDMI and VGA ports for users to choose according to their monitor types.)
- ▶ 4*3.5"HDD (4 SATA of 3.5"HDD, providing 10TB capacity for each HDD, up to 40TB total hard disk storage.)
- ▶ RAID 0/1/5/6/10 (Supporting 5 different RAID levels (0, 1, 5, 6,10) for the needs of users.)
- ▶ Video Content Analysis (With 10 detection modes, VCA greatly enhances the performance bringing comprehensive surveillance functions.)
- ▶ ANR (Can automatically replenish the recording gap due to internet interruptions(by storing at the edge).)

Plug and Play

Milesight PoE NVR 7000 Series features 16/24 independent PoE ports. The NVR will automatically detect, configure and play the live view of the network cameras once the cable is plugged.



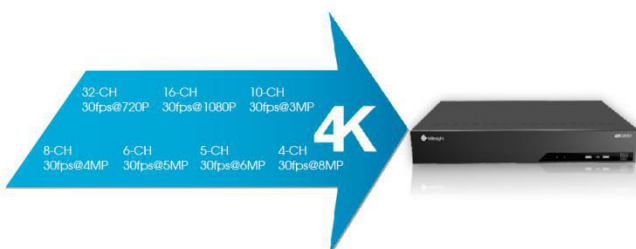
H.265+H.264

Smartly figure out and switch between H.264 and H.265 automatically. It will extend the days to save recording file with H.265 than with other compressions.



Powerful Decoding Capacity

Maximum support up to 16*1080P or 32*720P network cameras viewing at the same time.



Multi-video Output

Independent Outputs: Multiple outputs to display various channels independently.
Synchronous Outputs: The same channel to be displayed at different locations synchronously.





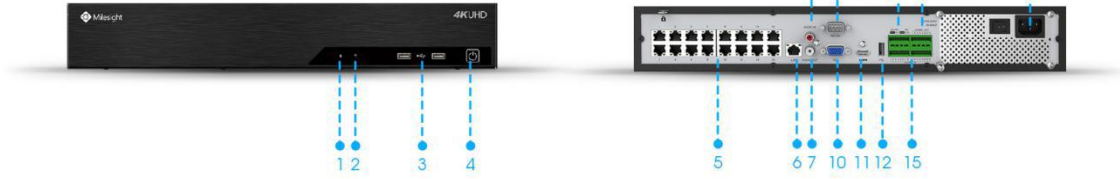
Model		MS-N7016-UPH	MS-N7032-UPH	
Video/Audio Input	Network Video Input	16-CH	32-CH	
	Bandwidth	Incoming	160Mbps	256Mbps or 200Mbps(When RAID is enabled)
		Outgoing	160Mbps	256Mbps or 200Mbps(When RAID is enabled)
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/60Hz, 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz		
	Dual Stream	Support		
	Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	4*(30fps @8MP), 5*(30fps @6MP), 6*(30fps @5MP), 8*(30fps @4MP), 10*(30fps @3MP), 16*(30fps @1080P), 16*(30fps @720P)	4*(30fps @8MP), 5*(30fps @6MP), 6*(30fps @5MP), 8*(30fps @4MP), 10*(30fps @3MP), 16*(30fps @1080P), 32*(30fps @720P)	
Video/Audio Compression	Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
	Synchronous Recording	16*5MP	32*5MP	
Storage	SATA	4*SATA HDD(3.5")		
	Capacity	Up to 10TB capacity for each HDD		
Disk Array	Array Type	RAID0, RAID1, RAID5, RAID6, RAID10		
Recording Management	Recording Type	Continuous, Motion Detection, Alarm, Smart Event, Event (Motion Detection, Alarm, Smart Event)		
	Snapshot	Manual Snapshot		
	Playback	Video Playback, Image Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 100M/1000M 1*RS-485 Series Port for PTZ		
	Serial Interface	1*RS-232 Series Port for Console		
		1*RS-485 Series Port for Keyboard		
	USB Interface	1*USB 3.0; 2*USB 2.0		
	Audio Input/Output	1*RCA/1*RCA		
	Alarm Input/Output	16-CH/4-CH		
PoE Interface	Interface	16*RJ45 10M/100M	24*RJ45 10M/100M	
	Power Output	≤200W		
	Supported Standard	IEEE 802.3af/at		
General	Compatibility	ONVIF		
	Advanced Function	ANR		
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Keyboard Control	Milesight Keyboard (MS-K01)		
	Power Supply	AC 100V~240V 50Hz~60Hz		
	Consumption	≤15W(Without HDD, without enabling PoE)	≤22W(Without HDD, without enabling PoE)	
	Working Conditions	Temperature: -10℃~55℃/Humidity: 10%~90%		
	Dimensions	Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)	Rack Mountable Chassis (1.5U Standard) 440mm(W)X390mm(D)X66.75mm(H)	
	Weight	5.0Kg	4.89Kg	
	Warranty	3/5 Years		

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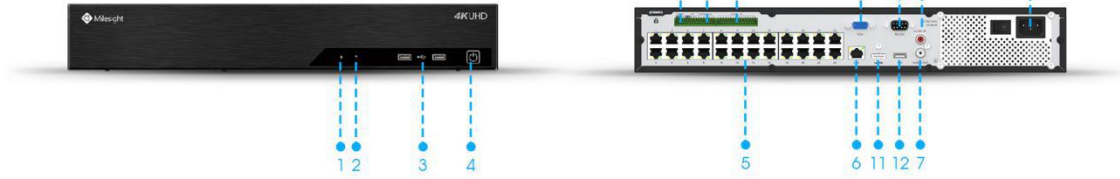


Interfaces

MS-N7016-UPH



MS-N7032-UPH



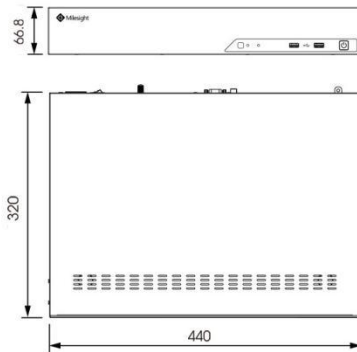
- 1. Run Indicator 2. HDD Indicator 3. USB 4. Power 5. PoE Ports 6. LAN 7. Audio Out 8. Audio In
- 9. RS-232 10. VGA 11. HDMI 12. USB 13. RS-485 14. Alarm Out 15. Alarm In 16. Power

Installation of HDDs

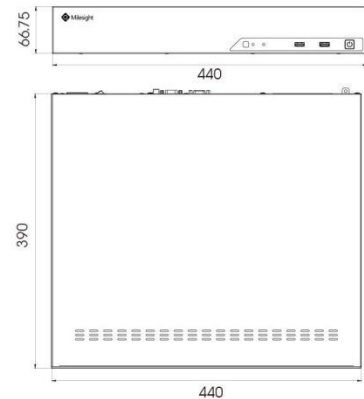


Structure Diagrams

MS-N7016-UPH

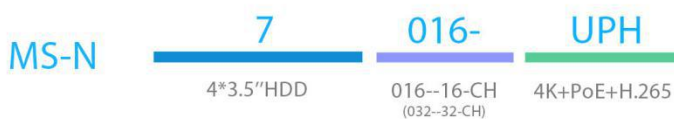


MS-N7032-UPH



Units: mm

Naming Convention



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