

# 4K H.265 Pro NVR 7000 Series

<b>UHD 2160P</b> Ultra HD	<b>H.265+ HEVC</b> H.265+	<b>HDMI</b>	<b>VGA</b>	<b>Dual Stream</b>	<b>Mobile Connection</b>	<b>Dual Screen Output</b>
<b>Audio In/Out</b>	<b>Alarm In/Out</b>	<b>RAID</b>	<b>P2P</b>	<b>VCA</b>	<b>ANR</b>	<b>N+1 Hot Spare</b>



MS-N7016-UH/MS-N7032-UH

DATASHEET

## KEY FEATURES

- ▶ **Powerful Decoding Capacity** (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.)
- ▶ **Dual LAN Interfaces** (Designed for three network working modes as Multi-address, Load Balance and Net Fault-tolerance.)
- ▶ **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).)
- ▶ **N+1 Hot Spare** (A backup mechanism which ensures the monitoring system uninterrupted working.)

### 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.



### Multi-video Output

**Independent Outputs:** Multiple outputs to display various channels independently.

**Synchronous Outputs:** The same channel to be displayed at different locations synchronously.



### Powerful Decoding Capacity

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



### RAID 0/1/5/6/10

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.

RAID Type	No. of hard disk drives required	Total Storage Space
RAID 10	4, 6, 8	n/2
RAID 6	≥ 4	n-2
RAID 5	≥ 3	n-1
RAID 1	2	n/2
RAID 0	≥ 2	n

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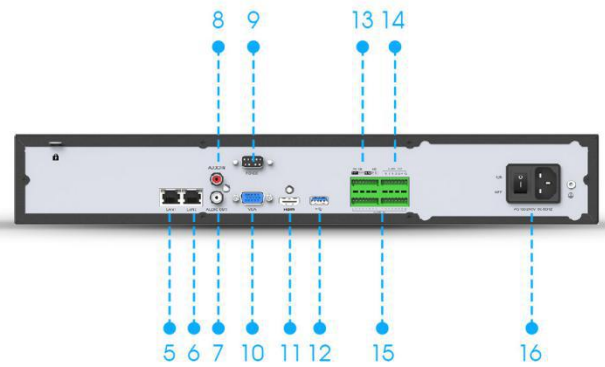
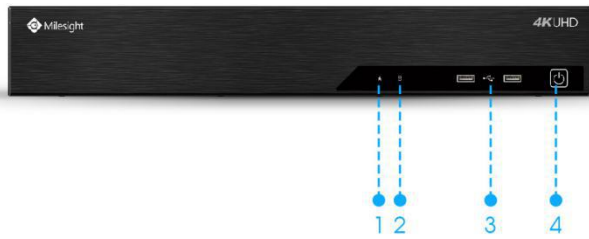


Model			MS-N7016-UH	MS-N7032-UH
Video/Audio Input	Network Video Input		16-CH	32-CH
	Bandwidth	Incoming Outgoing	160Mbps 160Mbps	256Mbps or 200Mbps(when RAID is enabled) 256Mbps or 200Mbps(when RAID is enabled)
Video/Audio Output	HDMI Output		1-CH, Resolution: 3840x2160/60Hz, 3840x2160/30Hz, 1920x1080/60Hz, 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 <sup>+</sup> /H.265(HEVC)/H.264 <sup>+</sup> /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		2*RJ45 10/100/1000Mbps 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	
	General	Compatibility		ONVIF
Advanced Function		ANR, N+1 Hot Spare		
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)		
Working Conditions		Temperature: -10℃~55℃/Humidity: 10%~90%		
Dimensions		Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)		
Weight		4.1Kg		
Warranty		3/5 Years		

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## Interfaces

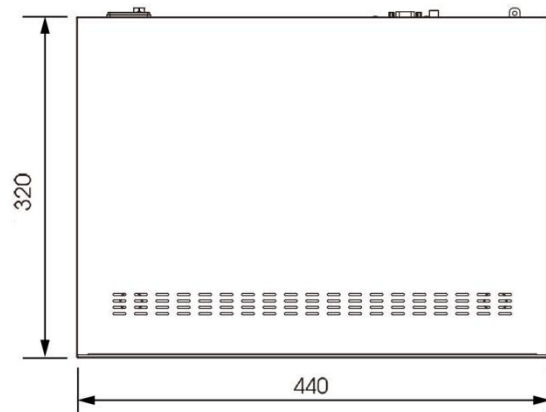


- 1. Run Indicator    2. HDD Indicator    3. USB    4. Power Light
- 5. LAN1    6. LAN2    7. Audio Out    8. Audio In
- 9. RS-232    10. VGA    11. HDMI    12. USB
- 13. RS-485    14. Alarm Out    15. Alarm In    16. Power

## Installation of HDDs



## Structure Diagrams



Units: mm

## Naming Convention

