

4K H.265 PoE NVR 7000 Series

4K+H.265



DATASHEET



KEY FEATURES

- ▶ 16/32/48-CH Input & 16/24*PoE Ports (16/32/48 channels are supported, and PoE ports design provides just one step to connect.)
- ▶ H.265⁺ (H.265⁺ allows to cut down 70%~80% bandwidth while ensuring the high quality of images compared with H.265.)
- ▶ HTML5 Streaming Ready (Support previewing the video via all major browsers without plug-in free when Video Codec is set to H.265.)
- ▶ Transcoding (Transcoding guarantees fluid video experience by reducing the stream data via lowering resolution, bit rate, or frame rate.)
- ▶ Auto Backup (The latest 24 hours' video will be automatically backed up to USB Port Devices or NAS after setting up the backup.)

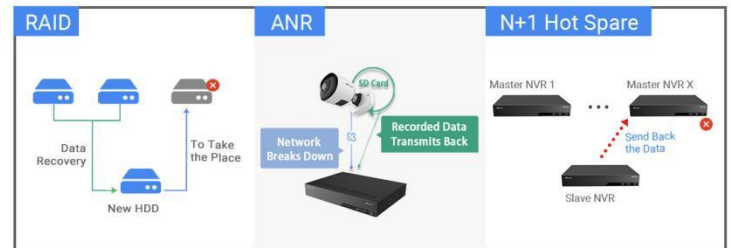
Power Decoding Capacity & Flexible Storage Options

- The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum supports simultaneous viewing of 16*1080P or 32*720P network cameras.
- Providing flexible storage options including HDD and NAS to address the needs for versatile storage.



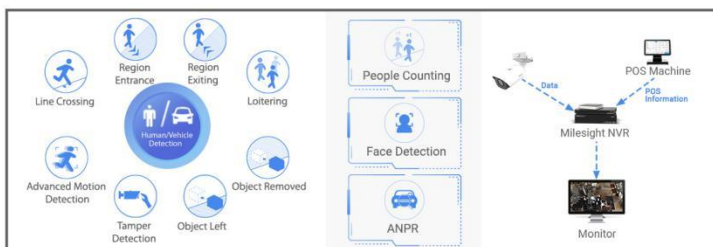
Reliability and Usability

- RAID improves the disk reliability to ensure the recording security.
- ANR can store video data on the camera storage card when network between IPC and NVR is disconnected and retransfer the recorded video to NVR after network recovers.
- N+1 Hot Spare can keep the system working on and ensure the data integrity and reliability.



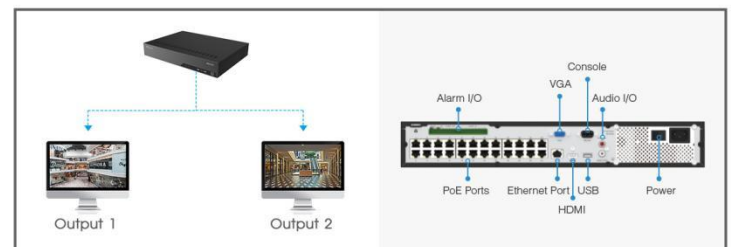
AI Video Analytics & POS Integration

- All-in-one to Manage AI & ANPR: VCA Function focus on human and vehicle detection. People Counting provides high-accuracy data and statistic reports. Face Detection function supports attribute recognition. Enterprise ANPR Management makes it easy to monitor traffic.
- POS machine information can be transferred to and displayed on the NVR.



Flexible Structure

- Multi-video Output in two ways: Independent Outputs and Synchronous Outputs
- A whole array of ports provides all necessary features for effective surveillance.



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| 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 | | |
| 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, Event (Motion Detection, Alarm, VCA, Smart Analysis) | | |
| | Snapshot Type | Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis) | | |
| | Playback Type | General Playback, Event Playback, Tag Playback, Split Playback, Picture 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 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 | | |
| PoE Interface | Interface | 16*RJ45 10/100Mbps | 24*RJ45 10/100Mbps | |
| | Power Output | ≤200W | | |
| | Supported Standard | IEEE 802.3af/at | | |
| General | Compatibility | ONVIF, API | | |
| | Advanced Function | ANR | | |
| | ANPR | Support | | |
| | 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 | ≤20W(Without HDD, without enabling PoE) | ≤18W(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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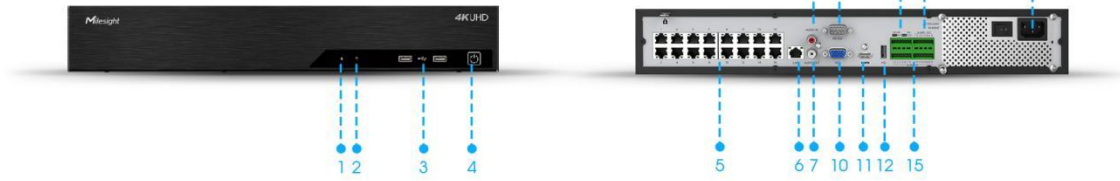
| Model | | MS-N7048-UPH |
|-------------------------|----------------------|---|
| Video/Audio Input | Network Video Input | 48-CH |
| | Bandwidth | Incoming 320Mbps or 200Mbps(When RAID is enabled) |
| | | Outgoing 256Mbps or 200Mbps(When RAID is enabled) |
| Video/Audio Output | HDMI Output | 1-CH, 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), 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 |
| 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, Event (Motion Detection, Alarm, VCA, Smart Analysis) |
| | Snapshot Type | Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis) |
| | Playback Type | General Playback, Event Playback, Tag Playback, Split Playback, Picture 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 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 |
| PoE Interface | Interface | 24*RJ45 10/100Mbps |
| | Power Output | ≤200W |
| | Supported Standard | IEEE 802.3af/at |
| General | Compatibility | ONVIF, API |
| | Advanced Function | ANR |
| | ANPR | Support |
| | 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 | ≤18W(Without HDD, without enabling PoE) |
| | Working Conditions | Temperature: -10℃~55℃/Humidity: 10%~90% |
| | Dimensions | Rack Mountable Chassis (1.5U Standard) 440mm(W)X390mm(D)X66.75mm(H) |
| | Weight | 4.89Kg |
| Warranty | 3/5 Years | |

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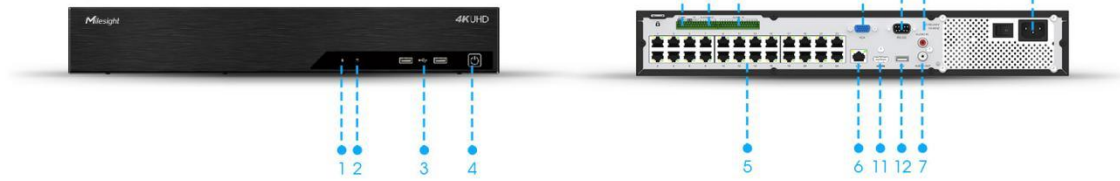


Interfaces

MS-N7016-UPH



MS-N7032-UPH/MS-N7048-UPH



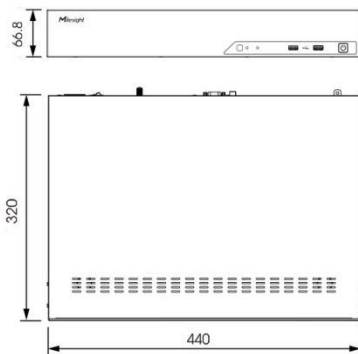
- 1. Run Indicator
- 2. HDD Indicator
- 3. USB
- 4. Power
- 5. PoE Ports
- 6. LAN
- 7. Audio Out
- 8. Audio In
- 9. RS-232
- 10. VGA
- 11. HDMI
- 12. USB
- 13. RS-485
- 14. Alarm Out
- 15. Alarm In
- 16. Power

Installation of HDDs

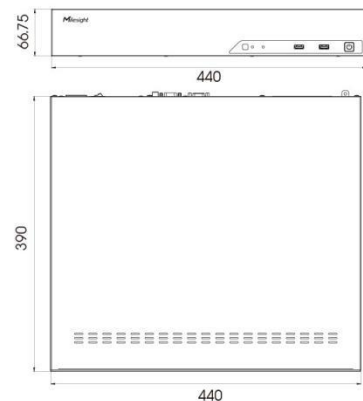


Structure Diagrams

MS-N7016-UPH



MS-N7032-UPH /MS-N7048-UPH



Units: mm

Naming Convention



Milesight | www.milesight.com

Contact Us: sales@milesight.com support@milesight.com

Add: 220 NE 51st Street, Oakland Park, Florida 33334, USA
Tel: +1-800-561-0485

Add: 925, Anyang SK V1 Center, LS-ro 116beon-gil, Dongan-gu, Anvang-si, Korea
Tel: +82-31-990-7732

Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China
Tel: +86-592-5922772

