

4K H.265 Pro NVR 7000 Series



DATASHEET

| | | | | | | |
|------|---------------|----------------|------------------|-----------------------|-------------|----------------|
| 4K | H.265 HEVC | Onvif S&T | N+1 Hot Spare | Multi-video Output | Transcoding | RAID |
| ANPR | VCA | Online Upgrade | P2P | HTML5 | ANR | Face Detection |

KEY FEATURES

- ▶ 16/32-CH Network Video Input (Up to 16/32 channel IP cameras can be connected.)
- ▶ H.265⁺ (H.265⁺ allows to cut down 70%~80% bandwidth while ensuring the high quality of images compared with H.264.)
- ▶ HTML5 Streaming Ready (Support previewing the video via all major browsers without plug-in 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.)
- ▶ Versatile Interfaces (A whole array of ports provides all necessary features for effective surveillance.)
- ▶ 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 24*1080P or 32*720P network cameras.
- Providing flexible storage options including HDD and NAS to address the needs for versatile storage.



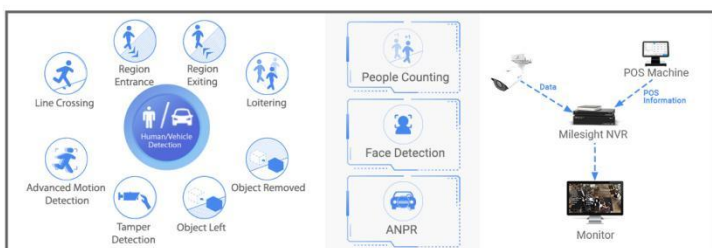
Reliability and Usability

- 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.



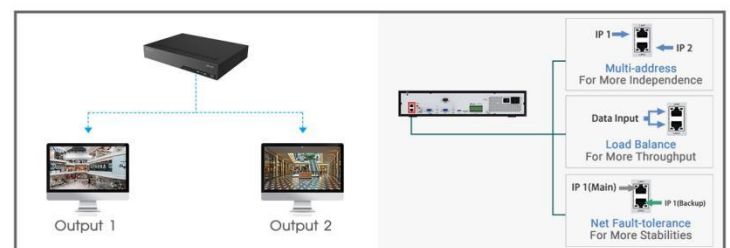
AI Video Analytics & POS Integration

- 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 Options

- Multi-video Output in two ways: Independent Outputs and Synchronous Outputs
- Dual network ports provide three network working modes for more independence, and higher throughput and stability according to the specific applications and needs.



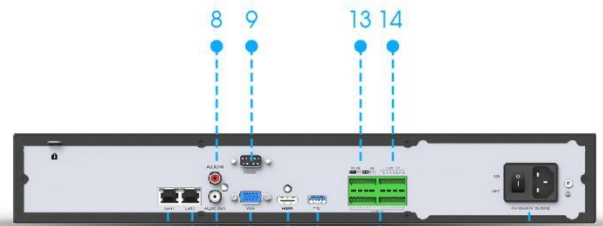


| Model | | | MS-N7016-G | MS-N7032-G |
|-------------------------|----------------------|--|--|--|
| Video/Audio Input | Network Video Input | | 16-CH | 32-CH |
| | Bandwidth | Incoming | 160Mbps | 320Mbps or 200Mbps(When RAID is enabled) |
| | | Outgoing | 160Mbps | 256Mbps or 200Mbps(When RAID is 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 | | *The recommended parameters are theoretical values only. Actual performance may vary depending on the usage environment, the number of connected cameras, and their models. 6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps @3MP), 16*(30fps @1080P), 16*(30fps @720P), 16*(30fps @D1) 6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps @3MP), 24*(30fps @1080P), 32*(30fps @720P), 32*(30fps @D1) | |
| 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 | Software Raid | | 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 | | 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, API |
| Advanced Function | | ANR, N+1 Hot Spare | | |
| ANPR | | Support | | |
| Video Analysis | | Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, 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

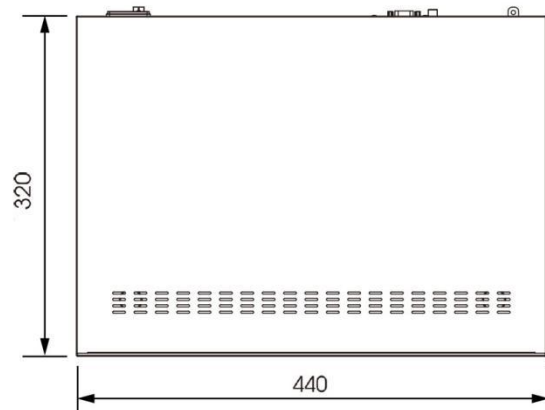


- 1. Run Indicator 2. HDD Indicator 3. USB 4. Power Light 5. LAN1 6. LAN2 7. Audio Out 8. Audio In
- 9. RS-232 10. VGA 11. HDMI 12. USB 13. RS-485 14. Alarm Out 15. Alarm In 16. Power

Installation of HDDs



Structure Diagrams



Units: mm

Naming Convention

