

Milesight

4K Pro NVR 5000 Series

NDA A

4K



DATASHEET

KEY FEATURES

- ▶ NDA A Compliance (The fully NDA A-compliant products are well suited for government, defense and a range of projects subject to the NDA A.)
- ▶ 8/16-CH Network Video Input (Up to 8/16 channels IP cameras can be connected.)
- ▶ Dual Stream Recording (Supporting Primary Stream and Secondary Stream recording simultaneously.)
- ▶ Auto Backup (The latest 24 hours' video will be automatically backed up to USB Port Devices or NAS after setting up the backup.)

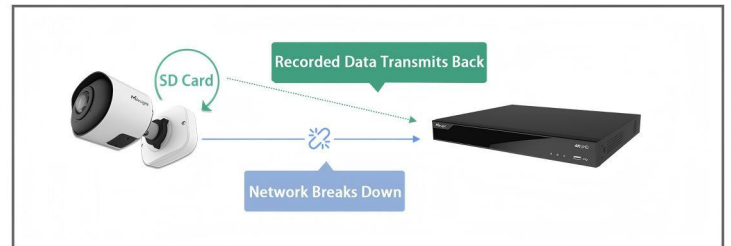
Power Decoding Capacity & Flexible Storage Options

- The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum support simultaneous viewing of 6*1080P or 12*720P network cameras.
- Providing flexible storage options including HDD and NAS to address the needs for versatile storage.



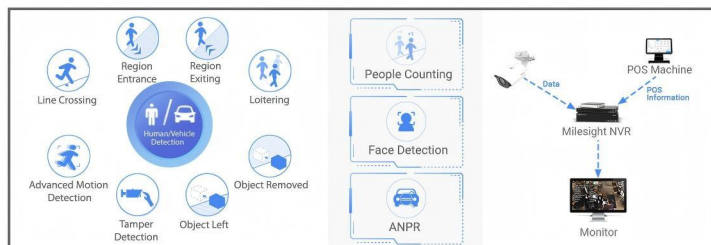
Reliability

- 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.



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

- U-Rack Standard supported.
- A whole array of ports provides all necessary features for effective surveillance.





| Model | | MS-N5008-NE | MS-N5016-NE |
|-------------------------|---|--|---|
| Video/Audio Input | Network Video Input | 8-CH | 16-CH |
| | Bandwidth | Incoming 160Mbps Outgoing 160Mbps | 160Mbps 160Mbps |
| Video/Audio Output | HDMI Output | 1-CH, Resolution: 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 | 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. *Resolutions with width or height >4096 not supported for decoding. | |
| | | 3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 6*(30fps @4MP), 8*(30fps @3MP), 8*(30fps @1080P), 8*(30fps @720P), 8*(30fps @D1) | 3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 6*(30fps @4MP), 8*(30fps @3MP), 12*(30fps @1080P), 16*(30fps @720P), 16*(30fps @D1) |
| Video/Audio Compression | Video Compression | H.265*/H.265(HEVC)/H.264*/H.264 *H.265 decoding is supported with performance limitations depending on stream settings. System performance may vary based on bitrate, resolution, and number of channels. | |
| | Audio Compression | G.711/AAC/G.722/G.726 | |
| | Sample Rate | 8KHz/16KHz | |
| Storage | SATA | 2*SATA HDD(3.5") | |
| | Capacity | Up to 10TB capacity for each HDD | |
| 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 | |
| | USB Interface | 2*USB 2.0 | |
| | Audio Input/Output | 1*RCA/1*RCA | |
| | Alarm Input/Output | 4-CH/1-CH | |
| General | Compatibility | ONVIF, API | |
| | Advanced Function | ANR | |
| | 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 | DC 12V 50Hz~60Hz | |
| | Consumption | ≤4W(Without HDD) | ≤4W(Without HDD) |
| Working Conditions | Temperature: -10°C~55°C / Humidity: 10%~90% | | |
| Dimensions | Rack Mountable Chassis (1.0U Standard) 380mm(W)X317.6mm(D)X51.8mm(H) | | |

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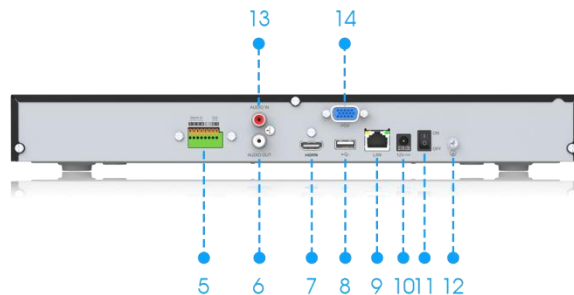
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|----------------|----------|-------|-----------|-------|
| General | Weight | 1.9Kg | | 1.9Kg |
| | Warranty | | 3/5 Years | |

V8.6



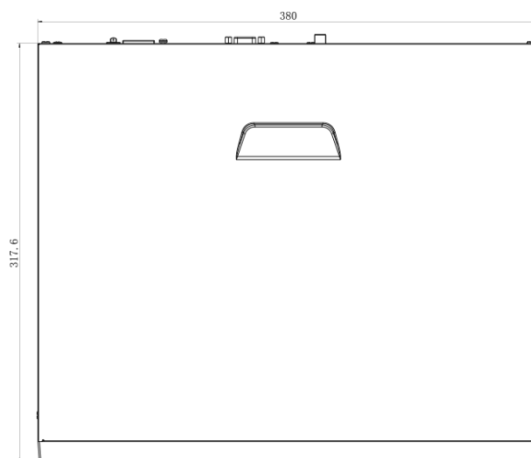
Interfaces

MS-N5008-NE /MS-N5016-NE



- 1. Run Indicator
- 2. HDD Indicator
- 3. Power Indicator
- 4. USB
- 5. Alarm In/Out
- 6. Audio Out
- 7. HDMI
- 8. USB

Structure Diagrams



Units: mm

Naming Convention

