

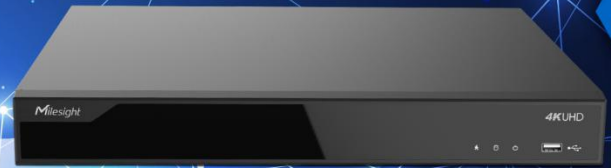
# Milesight

## 4K H.265 PoE NVR 5000 Series

### NDAA

### 4K+H.265

### PoE



## DATASHEET



## KEY FEATURES

- ▶ NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- ▶ 8/16-CH Input & 8/16\*PoE Ports (8/16 channels are supported, and PoE ports design provides just one step to connect.)
- ▶ H.265<sup>+</sup> (H.265<sup>+</sup> allows to cut down 70%~80% bandwidth while ensuring the high quality of images compared with H.264.)
- ▶ Dual Stream Recording (Supporting Primary Stream and Secondary Stream recording simultaneously.)
- ▶ HTML5 Streaming Ready (Support previewing the video via all major browsers without plug-in when Video Codec is set to H.265.)
- ▶ Auto Backup (The latest 24 hours' video will be automatically backed up to USB Port Devices or NAS after setting up the backup.)

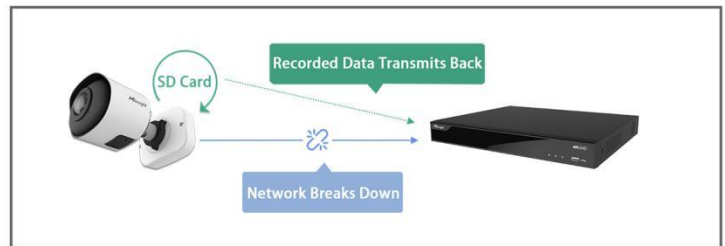
## Power Decoding Capacity & Flexible Storage Options

- The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum support simultaneous viewing of 12\*1080P or 16\*720P network cameras.
- Providing flexible storage options including HDD and NAS to address the needs for versatile storage.



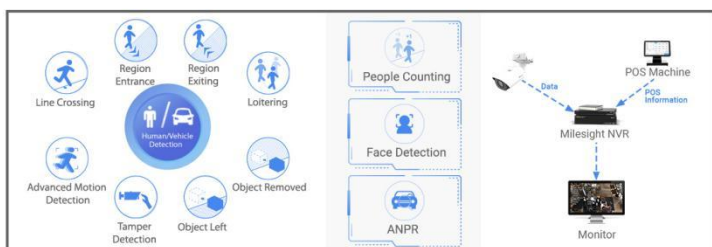
## Reliability

- 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.



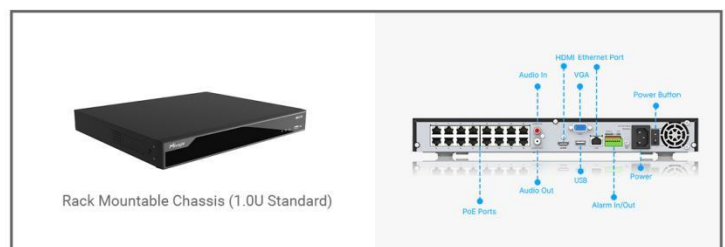
## AI Video Analytics & POS Integration

- 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.



# 4K H.265 PoE NVR 5000 Series



| Model                   |   | MS-N5008-PE  | MS-N5008-NPE  | MS-N5016-NPE                             |
|-------------------------|---|--|---|--|
| Video/Audio Input       | Network Video Input   | 8-CH   |   | 16-CH                                    |
|                         | Bandwidth   | Incoming<br>80Mbps<br>Outgoing<br>50Mbps   | 160Mbps<br>160Mbps  | 160Mbps<br>160Mbps                       |
| Video/Audio Output      | HDMI Output   | 1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz<br>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    | 1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 8*(30fps @720P) | 3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 6*(30fps @4MP), 8*(30fps @3MP), 8*(30fps @1080P), 8*(30fps @720P)                                    | 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  |   |  |
|                         | 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  |   |  |
| PoE Interface           | Interface   | 8*RJ45 10/100Mbps  | 16*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, People Counting, Object Left, Object Removed |   |  |
|                         | Keyboard Control  | Milesight Keyboard (MS-K01)  |   |  |
|                         | Power Supply  | AC 100V~240V 50Hz~60Hz   |   |  |
|                         | Consumption   | ≤9W(Without HDD, without enabling PoE)   | ≤7.5W(Without HDD, without enabling PoE)  | ≤8.5W(Without HDD, without enabling PoE) |
|                         | Working Conditions  | Temperature: -10℃~55℃ / Humidity: 10%~90%  |   |  |
|                         | Dimensions  | Rack Mountable Chassis (1.0U Standard)<br>380mm(W)X317.6mm(D)X51.8mm(H)  |   |  |
|                         | Weight  | 2.6Kg  | 2.7Kg   | 2.7Kg                                    |
| Warranty                | 3/5 Years   |  |   |  |

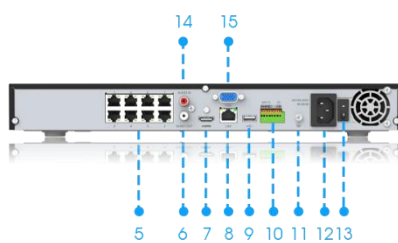


## Interfaces

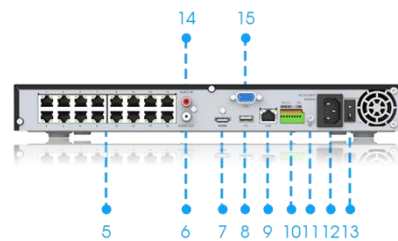
MS-N5008-PE /MS-N5008-NPE /MS-N5016-E



MS-N5008-PE /MS-N5008-NPE

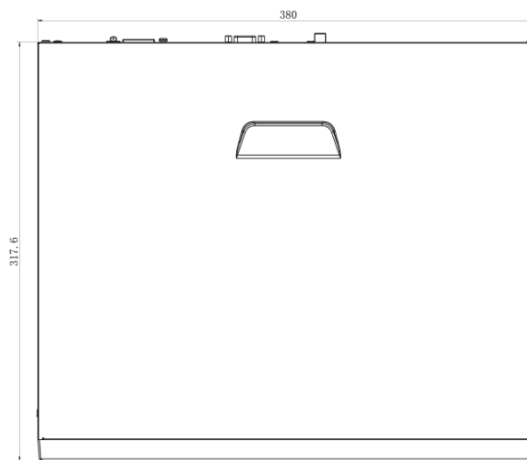


MS-N5016-E



- 1. Run Indicator    2. HDD Indicator    3. Power Indicator    4. USB
- 5. PoE Ports    6. Audio Out    7. HDMI    8. USB
- 9. Ethernet Port    10. Alarm In/Out    11. GND    12. Power
- 13. Power Button    14. Audio In    15. VGA

## Structure Diagrams



Units: mm

## Naming Convention

