

Milesight

# 4K H.265 Pro NVR 5000 Series

NDA A

4K+H.265



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.)
- ▶ 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.)

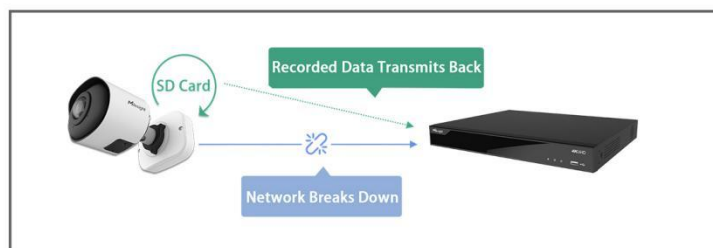
## Power Decoding Capacity & Flexible Storage Options

- 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.



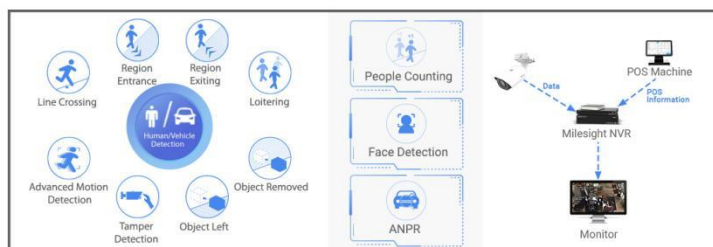
## Reliability

- 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 Pro NVR 5000 Series

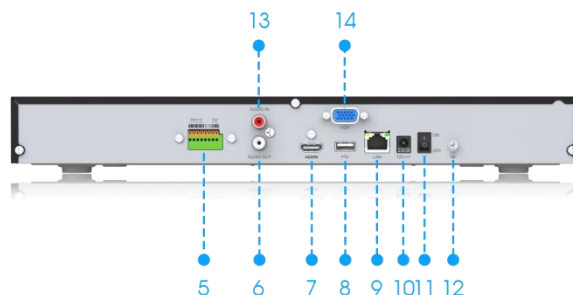


| Model                   |                      |          | MS-N5008-E                                                                                                                                                                | MS-N5008-NE                                                                                                                  | MS-N5016-NE                                                                                                                     |
|-------------------------|----------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio Input       | Network Video Input  |          | 8-CH                                                                                                                                                                      |                                                                                                                              | 16-CH                                                                                                                           |
|                         | Bandwidth            | Incoming | 80Mbps                                                                                                                                                                    | 160Mbps                                                                                                                      | 160Mbps                                                                                                                         |
|                         |                      | Outgoing | 50Mbps                                                                                                                                                                    | 160Mbps                                                                                                                      | 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),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                                                                                                                                           |                                                                                                                              |                                                                                                                                 |
|                         | 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        |          | N/A                                                                                                                                                                       | 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       |          | Intrusion Detection, 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          |          | ≤3W(Without HDD)                                                                                                                                                          | ≤4W(Without HDD)                                                                                                             | ≤4W(Without HDD)                                                                                                                |
|                         | 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               |          | 1.9Kg                                                                                                                                                                     | 1.9Kg                                                                                                                        | 1.9Kg                                                                                                                           |
|                         | Warranty             |          | 3/5 Years                                                                                                                                                                 |                                                                                                                              |                                                                                                                                 |



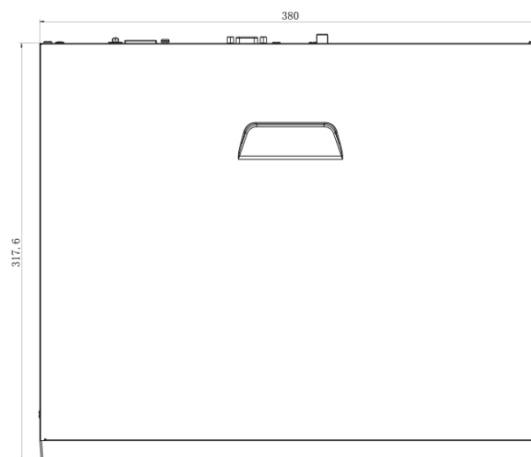
## Interfaces

MS-N5008-E /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 |
| 9. Ethernet Port | 10. Power        | 11. Power Button   | 12. GND | 13. Audio In    | 14. VGA      |         |        |

## Structure Diagrams



Units: mm

## Naming Convention

