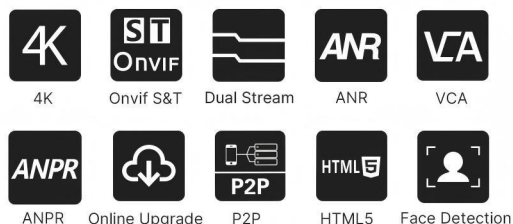
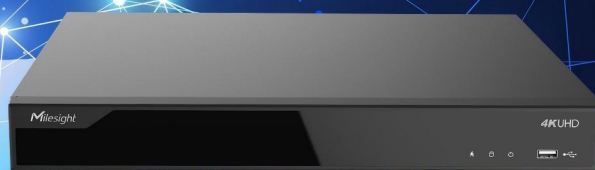


# Milesight

## 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.)

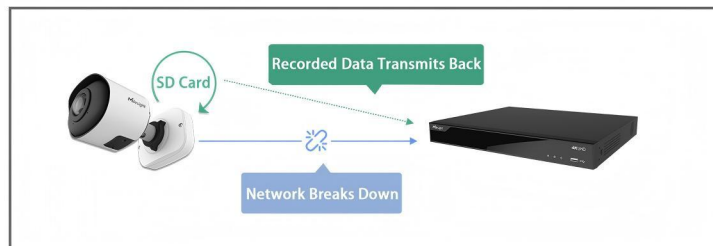
## Power Decoding Capacity & Flexible Storage Options

- 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.



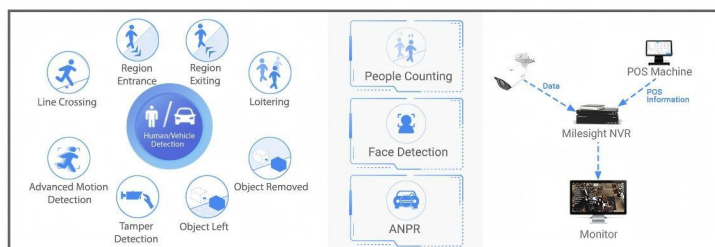
## Reliability

- 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.



# 4K 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<br><br>*The recommended parameters are theoretical values only. Actual performance may vary depending on the usage environment, the number of connected cameras, and their models. |                                                                                                                              |                                                                                                                                 |
|                         | Synchronous Playback |                                                                         | *Resolutions with width or height >4096 not supported for decoding.                                                                                                                                                                    |                                                                                                                              | -                                                                                                                               |
|                         |                      |                                                                         | 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<br><br>*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        |                                                                         | 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       |                                                                         | 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) |                                                                                                                                                                                                                                        |                                                                                                                              |                                                                                                                                 |

# 4K Pro NVR 5000 Series



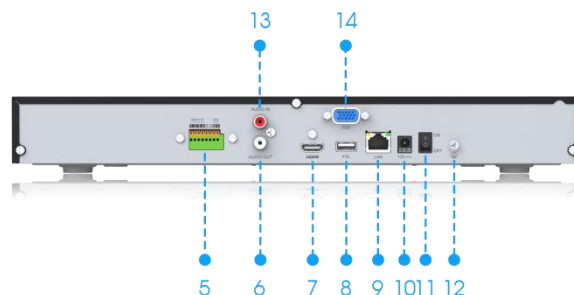
|         |          |           |       |       |
|---------|----------|-----------|-------|-------|
| General | Weight   | 1.9Kg     | 1.9Kg | 1.9Kg |
|         | Warranty | 3/5 Years |       |       |

V8.05



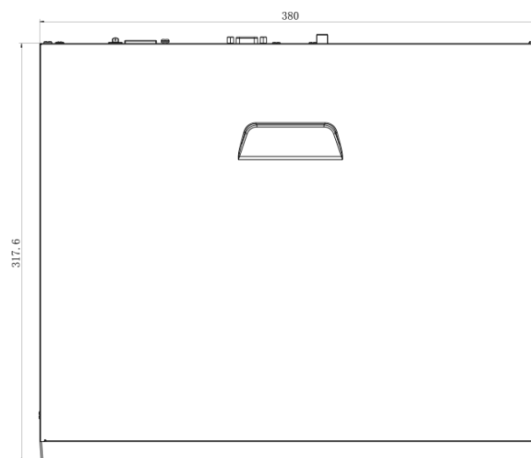
## Interfaces

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

## Structure Diagrams



Units: mm

## Naming Convention

