

# 4K H.265 PoE NVR 5000 Series

- 4K
- H.265 HEVC
- ONVIF
- Plug&Play
- HDMI
- VGA
- Audio Out
- Alarm In/Out
- Dual Stream
- ANR
- ANPR
- VCA
- Online Upgrade
- P2P
- HTML5



MS-N5008-UPC/MS-N5008-UPT  
/MS-N5016-UPT

[DATASHEET](#)

## KEY FEATURES

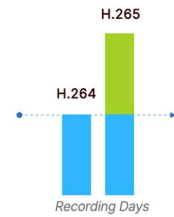
- ▶ **8/16\*PoE Ports** (8/16\*PoE ports design provides just one step to connect camera to NVR.)
- ▶ **8\*1080P, 16\*720P** (Maximum supporting 8\*1080P or 16\*720P network cameras viewing at the same time.)
- ▶ **HDMI & VGA** (Providing both HDMI and VGA ports for users to choose according to their monitor types.)
- ▶ **2\*3.5"HDD** (2 SATA of 3.5"HDD, providing 10TB capacity for each HDD, up to 20TB total hard disk storage.)
- ▶ **Video Content Analysis** (With 10 detection modes, VCA greatly enhances the performance bringing comprehensive surveillance functions.)
- ▶ **ANR** (Can automatically replenish the recording gap due to internet interruptions(by storing at the edge).)

### Plug and Play

Milesight PoE NVR 5000 Series features 8 independent PoE ports. The NVR will automatically detect, configure and play the live view of the network cameras once the cable is plugged.

### H.265+H.264

Smartly figure out and switch between H.264 and H.265 automatically. It will extend the days to save recording file with H.265 than with other compressions.



### Powerful Decoding Capacity

Maximum support 8\*1080P or 16\*720P network cameras viewing at the same time.

### 4K Video Viewing Experience

Milesight 4K H.265 PoE NVR 5000 Series supports up to 4K definition (3840\*2160, effectively four times that of Full HD ) live viewing, playback and recording, providing users with ultra-high-definition video viewing experience.



# 4K H.265 PoE NVR 5000 Series



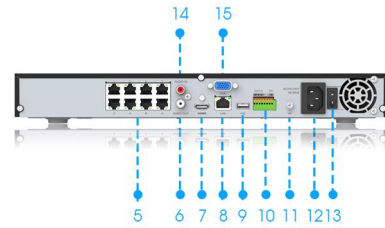
Model		MS-N5008-UPC	MS-N5008-UPT	MS-N5016-UPT
Video/Audio Input	Network Video Input	8-CH		16-CH
	Bandwidth	Incoming	80Mbps	160Mbps
		Outgoing	80Mbps	160Mbps
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI 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	1*(30fps @8MP), 1*(30fps @6MP), 1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps @1080P), 8*(30fps @720P)	2*(30fps @8MP), 2*(30fps @6MP), 3*(30fps @5MP), 4*(30fps @4MP), 5*(30fps @3MP), 8*(30fps @1080P), 8*(30fps @720P)	2*(30fps @8MP), 2*(30fps @6MP), 3*(30fps @5MP), 4*(30fps @4MP), 5*(30fps @3MP), 8*(30fps @1080P), 16*(30fps @720P)
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		
	Synchronous Recording	8*5MP		16*5MP
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	1*USB 3.0; 2*USB 2.0	
	Audio Input/Output	1*RCA/1*RCA	-/1*RCA	
	Alarm Input/Output	4-CH/1-CH		
PoE Interface	Interface	8*RJ45 10/100Mbps		16*RJ45 10/100Mbps
	Power Output	≤120W		≤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, Human Detection, 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)	≤10W(Without HDD, without enabling PoE)	≤15W(Without HDD, without enabling PoE)
	Working Conditions	Temperature: -10℃~55℃/Humidity: 10%~90%		
	Dimensions	Rack Mountable Chassis (1.0U Standard) 380mm(W)X317.6mm(D)X51.8mm(H)	Rack Mountable Chassis (1.0U Standard) 440mm(W)X251mm(D)X44.4mm(H)	
	Weight	2.6Kg	3.5Kg	
Warranty	3/5 Years			

# 4K H.265 PoE NVR 5000 Series



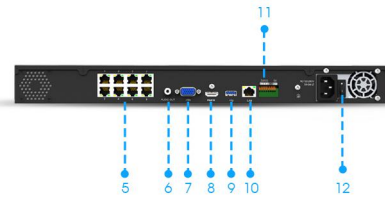
## Interfaces

### MS-N5008-UPC



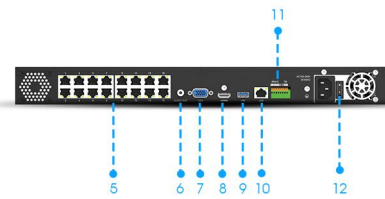
1. Run Indicator 2. HDD Indicator 3. Power Indicator 4. USB 5. PoE Ports 6. Audio Out 7. HDMI 8. Ethernet Port  
9. USB 10. Alarm In/Out 11. GND 12. Power 13. Power Button 14. Audio In 15. VGA

### MS-N5008-UPT



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

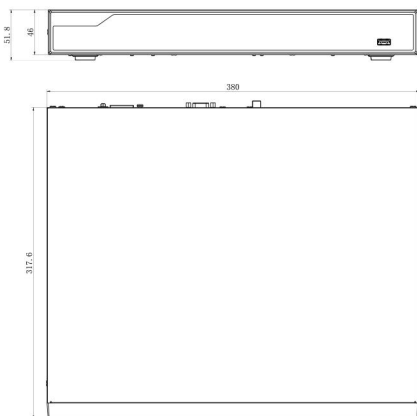
### MS-N5016-UPT



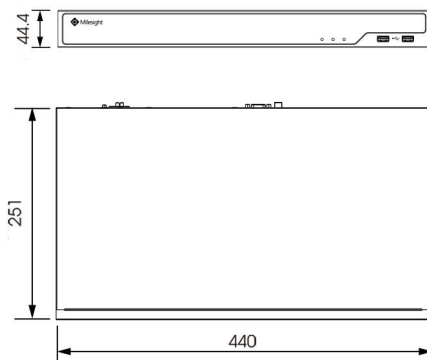
1. Run Indicator 2. HDD Indicator 3. Power Indicator 4. USB 5. PoE Ports 6. Audio Out 7. VGA 8. HDMI  
9. USB 10. Ethernet Port 11. Alarm In/Out 12. Power Button

## Structure Diagrams

### MS-N5008-UPC



### MS-N5008-UPT/MS-N5016-UPT



Units: mm

## Naming Convention



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