

# Milesight

## 4K H.265 PoE NVR 5000 Series

4K+H.265

PoE



DATASHEET



### KEY FEATURES

- ▶ 16-CH Input & 16\*PoE Ports (16 channel are supported, and PoE ports design provides just one step to connect.)
- ▶ H.265+ (H.265+ 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.)

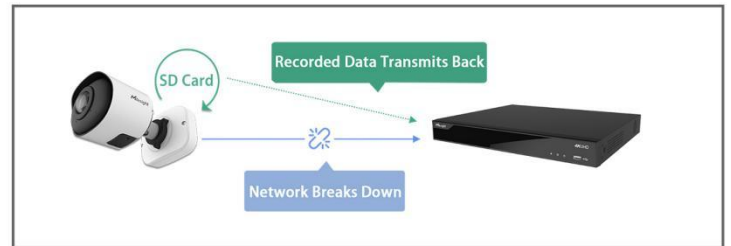
### Power Decoding Capacity & Flexible Storage Options

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



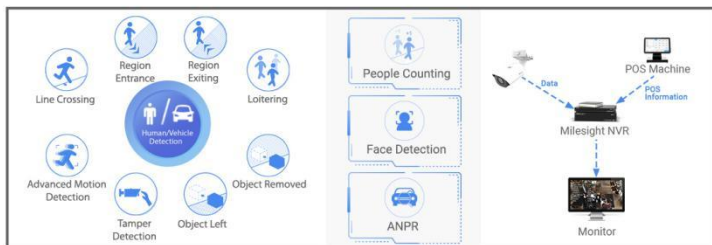
### Reliability

- 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.



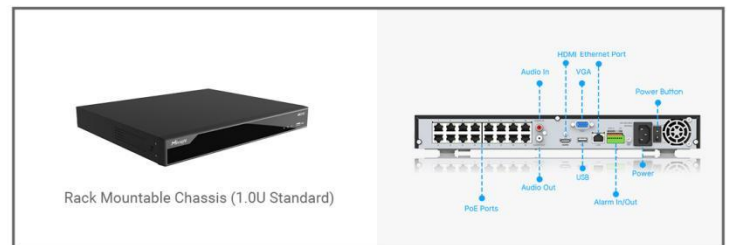
### AI Video Analytics & POS Integration

- 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.



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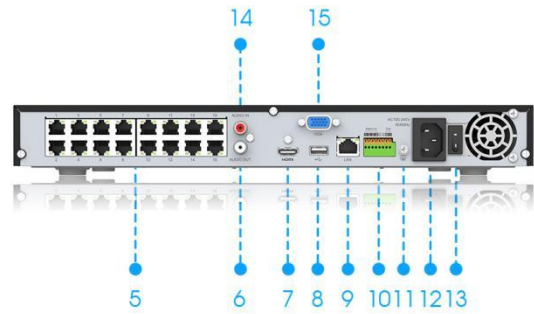


Model		MS-N5016-PG	
Video/Audio Input	Network Video Input	16-CH	
	Bandwidth	Incoming	160Mbps
		Outgoing	160Mbps
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output	
	VGA Output	1-CH, Resolution: 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	6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps @3MP), 16*(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	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	≤8.5W(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)	
	Weight	2.7Kg	
	Warranty	3/5 Years	



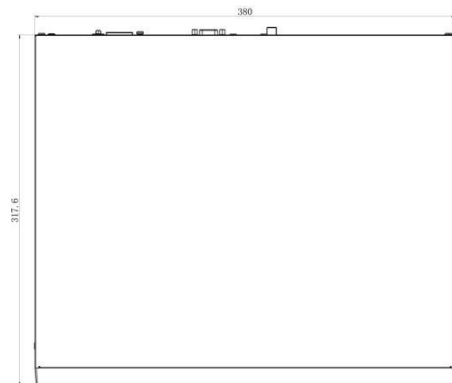
## Interfaces

MS-N5016-PG



- 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

