Milesight

4K Pro NVR
5000 Series

NDAA

4K

4K | Onvif S&T | Dual Stream | ANR | VCA

ANPR | Online Upgrade | P2P | HTML5 | Face Detection

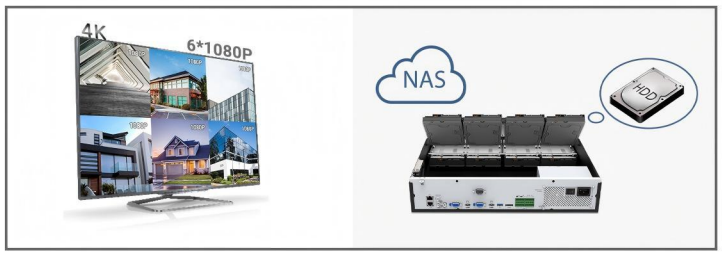
DATASHEET

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 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.)

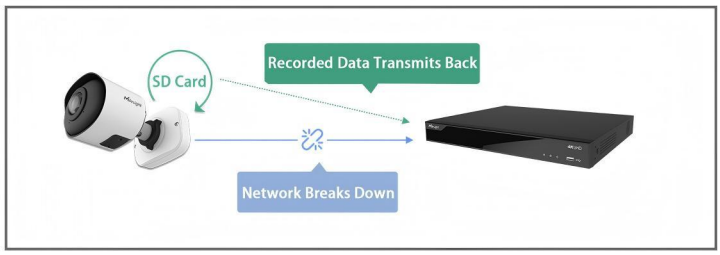
Power Decoding Capacity & Flexible Storage Options

- 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.



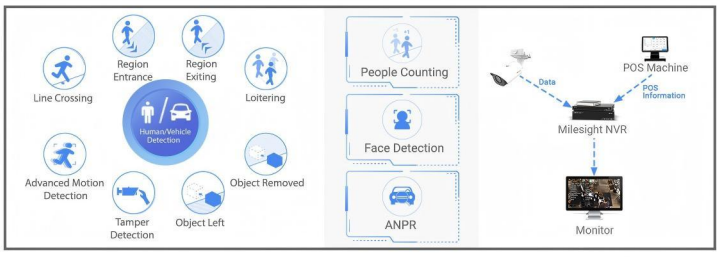
Reliability

- 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-N5016-E
Video/Audio Input	Network Video Input		8-CH	16-CH
	Bandwidth	Incoming	80Mbps	
		Outgoing	50Mbps	
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		*The recommended parameters are theoretical values only. Actual performance may vary depending on the usage environment, the number of connected cameras, and their models. *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)	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 12*(30fps @720P)
Video/Audio Compression	Video Compression		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		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)
	Working Conditions		Temperature: -10℃~55℃ / Humidity: 10%~90%	Temperature: -10℃~55℃ / Humidity: 10%~90%
	Dimensions		Rack Mountable Chassis (1.0U Standard) 380mm(W)X317.6mm(D)X51.8mm(H)	
	Weight		1.9Kg	
	Warranty		3/5 Years	

V8.03

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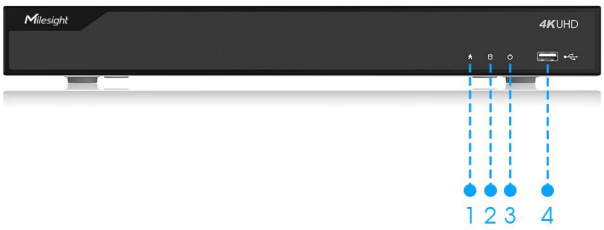
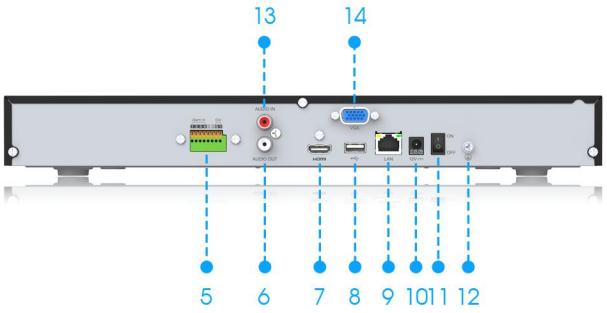
Interfaces

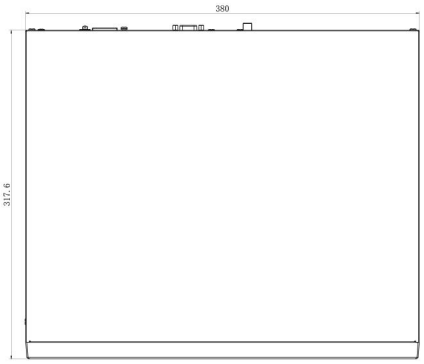
MS-N5008-E/MS-N5016-E





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

MS-N 5 008- E

- 5: 2*3.5"HDD
- 008-: 008--8-CH (016--16-CH)
- E: 4K+AI Series

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