Milesight

4K H.265 PoE NVR
5000 Series

NDAA ✓

4K+H.265

PoE

4K | H.265 HEVC | ST Onvif | Plug&Play | Dual Stream | ANR
4K | H.265 | Onvif S&T | Plug&Play | Dual Stream | ANR

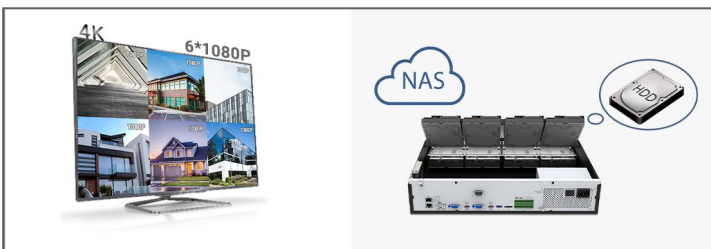ANPR | VCA | Online Upgrade | P2P | HTML5 | Face Detection

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.)

▶ 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.
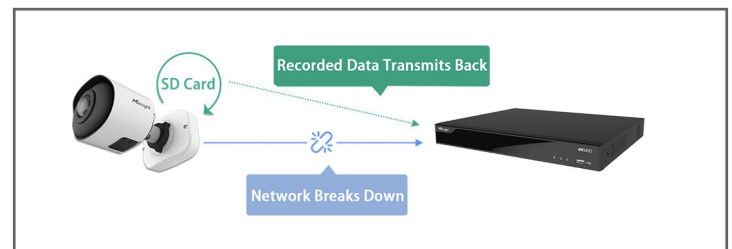
Power Decoding Capacity & Flexible Storage Options

• The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum support simultaneous viewing of 6*1080P or 12*720P network cameras.
• Providing flexible storage options including HDD and NAS to address the needs for versatile storage.
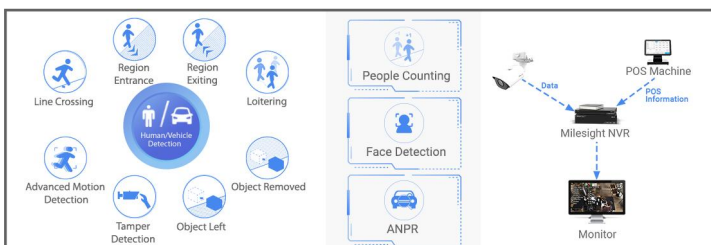
Reliability

• 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.
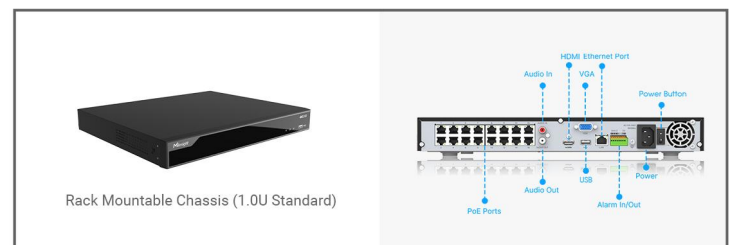

AI Video Analytics & POS Integration

• 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.
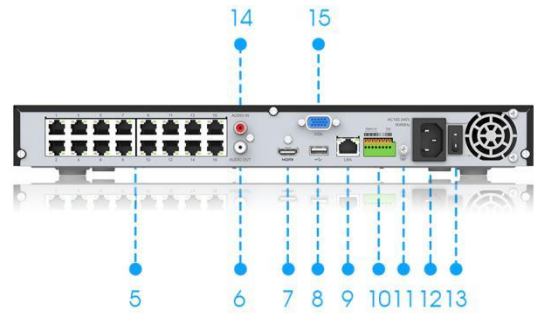• A whole array of ports provides all necessary features for effective surveillance.

Rack Mountable Chassis (1.0U Standard)

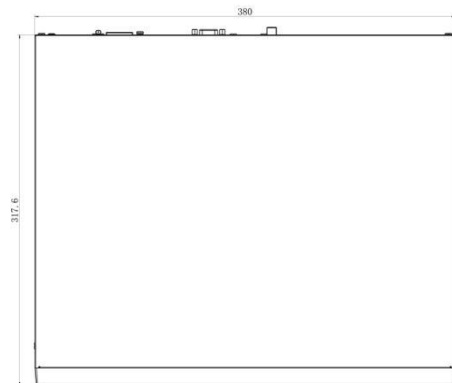| Model			MS-N5016-PE
Video/Audio Input	Network Video Input		16-CH
	Bandwidth	Incoming	80Mbps
		Outgoing	50Mbps
Video/Audio Output	HDMI Output		1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output
	VGA Output		1-CH, 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		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.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, Human Detection, 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

V8.02

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Interfaces

MS-N5016-PE

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

MS-N | 5 | 016- | PE

2*3.5"HDD   016--16-CH   4K+PoE+H.265