Milesight

4K+H.265

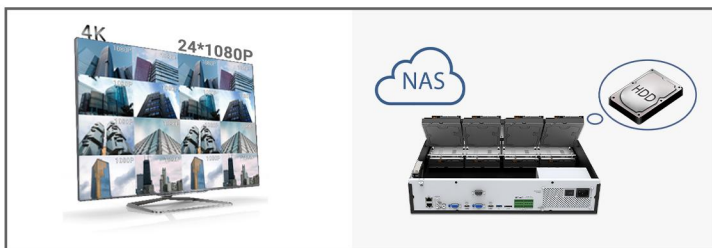# 4K H.265 Pro NVR 7000 Series

DATASHEET

4K 4K	**H.265 HEVC** H.265	**ST Onvif** Onvif S&T	**N+1 Hot Spare** N+1 Hot Spare	Multi-video Output	Transcoding	RAID
ANPR ANPR	**VCA** VCA	Online Upgrade	**P2P** P2P	**HTML5** HTML5	**ANR** ANR	Face Detection

KEY FEATURES

▶ 16/32-CH Network Video Input (Up to 16/32 channel IP cameras can be connected.)

▶ H.265+ (H.265+ allows to cut down 70%~80% bandwidth while ensuring the high quality of images compared with H.264.)

▶ HTML5 Streaming Ready (Support previewing the video via all major browsers without plug-in when Video Codec is set to H.265.)

▶ Transcoding (Transcoding guarantees fluid video experience by reducing the stream data via lowering resolution, bit rate, or frame rate.)

▶ Versatile Interfaces (A whole array of ports provides all necessary features for effective surveillance.)

▶ Auto Backup (The latest 24 hours' video will be automatically backed up to USB Port Devices or NAS after setting up the backup.)
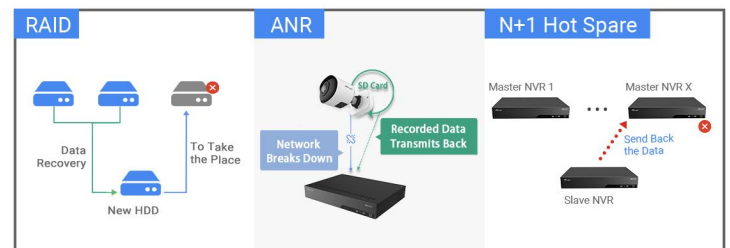
Power Decoding Capacity & Flexible Storage Options

• The 4K NVR is equipped with solid 4K decoding and display capabilities and maximum supports simultaneous viewing of 24*1080P or 32*720P network cameras.
• Providing flexible storage options including HDD and NAS to address the needs for versatile storage.
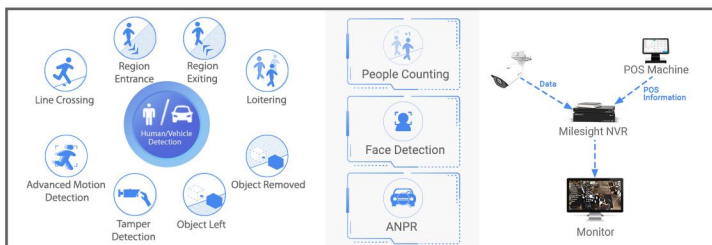
Reliability and Usability

• RAID improves the disk reliability to ensure the recording security.
• 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.
• N+1 Hot Spare can keep the system working on and ensure the data integrity and reliability.
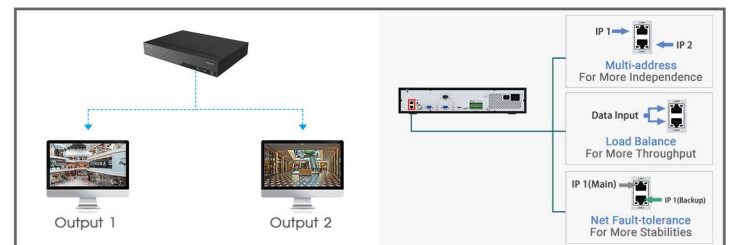

AI Video Analytics & POS Integration

• 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 Options

• Multi-video Output in two ways: Independent Outputs and Synchronous Outputs
• Dual network ports provide three network working modes for more independence, and higher throughput and stability according to the specific applications and needs.
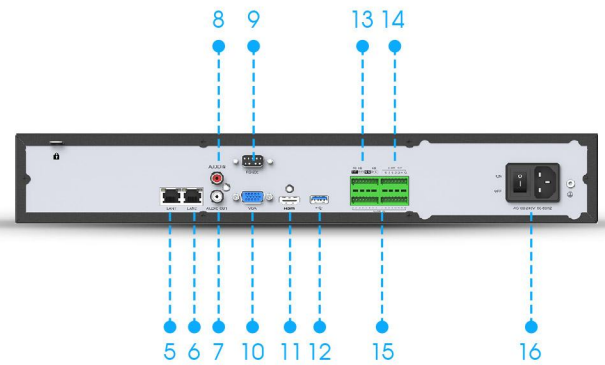
Model			MS-N7016-G	MS-N7032-G
Video/Audio Input	Network Video Input		16-CH	32-CH
	Bandwidth	Incoming	160Mbps	256Mbps or 200Mbps(when RAID is enabled)
		Outgoing	160Mbps	256Mbps or 200Mbps(when RAID is enabled)
Video/Audio Output	HDMI Output		1-CH, Resolution: 3840x2160/60Hz, 3840x2160/30Hz, 1920x1080/60Hz, 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		12MP/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)	6*(30fps @8MP),8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps@3MP), 24*(30fps@1080P), 32*(30fps@720P),32*(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		4*SATA HDD(3.5")	
	Capacity		Up to 10TB capacity for each HDD	
Disk Array	Array Type		RAID0, RAID1, RAID5, RAID6, RAID10	
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		2*RJ45 10/100/1000Mbps	
	Serial Interface		1*RS-485 Series Port for PTZ	
			1*RS-232 Series Port for Console	
			1*RS-485 Series Port for Keyboard	
	USB Interface		1*USB 3.0; 2*USB 2.0	
	Audio Input/Output		1*RCA/1*RCA	
	Alarm Input/Output		16-CH/4-CH	
General	Compatibility		ONVIF, API	
	Advanced Function		ANR, N+1 Hot Spare	
	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		≤15W(Without HDD)	
	Working Conditions		Temperature: -10℃~55℃/Humidity: 10%~90%	
	Dimensions		Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)	
	Weight		4.1Kg	
	Warranty		3/5 Years	

4K H.265 Pro NVR 7000 Series

Interfaces
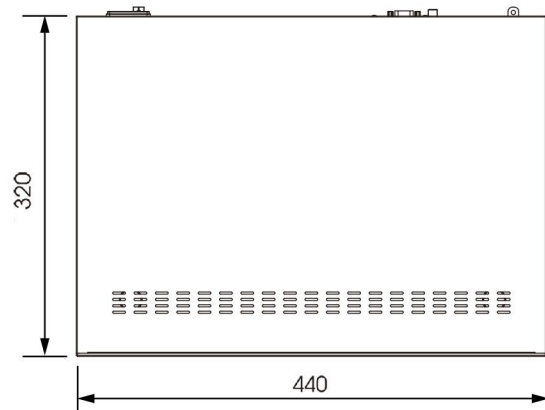

1. Run Indicator
2. HDD Indicator
3. USB
4. Power Light
5. LAN1
6. LAN2
7. Audio Out
8. Audio In
9. RS-232
10. VGA
11. HDMI
12. USB
13. RS-485
14. Alarm Out
15. Alarm In
16. Power

Installation of HDDs

Step1   Step2   Step3   Step4   Step5

Structure Diagrams

66.8

320

440

Units: mm

Naming Convention

MS-N   7   016-   G

4*3.5"HDD   016--16-CH   4K+H.265
            (032--32-CH)