HOLIS Pro

Data Sheet

32CH/64CH

High Performance Network Video Recorder

Features That Make a Difference

Professional and Reliable

· New logical and visualized GUI design

· Dual-OS design to ensure high reliability of system running

· HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable

· Configurable normal or hot spare working mode to constitute an N+1 hot spare system

Video Input and Transmission

· Adopt stream over TLS encryption technology (enhanced SDK service and RTP over HTTPS protocol) which provides more secure stream transmission service (max. 128 Mbps TLS stream outgoing bandwidth, when RAID is enabled, it will restrict TLS stream outgoing bandwidth to 64 Mbps)

· Up to 64-ch cameras can be connected (up to 12 MP)

· Connectable to the third-party network cameras

Compression and Recording

· H.265+ compression effectively reduces the storage space by up to 75%

· Full channel recording at up to 12MP resolution

HD Video Output

· HDMl1/VGA1 and HDMl2/VGA2 outputs provided

· HDMl1 Video output at up to 4K (3840 × 2160) resolution

The power behind **your mission**

Johnson Controls

Storage and Playback

· Up to 8 SATA interfaces and 1 eSATA interface for HDD connection 10TB capacity for each HDD

· 16-ch synchronous playback at up to 1080p resolution

· Important files management
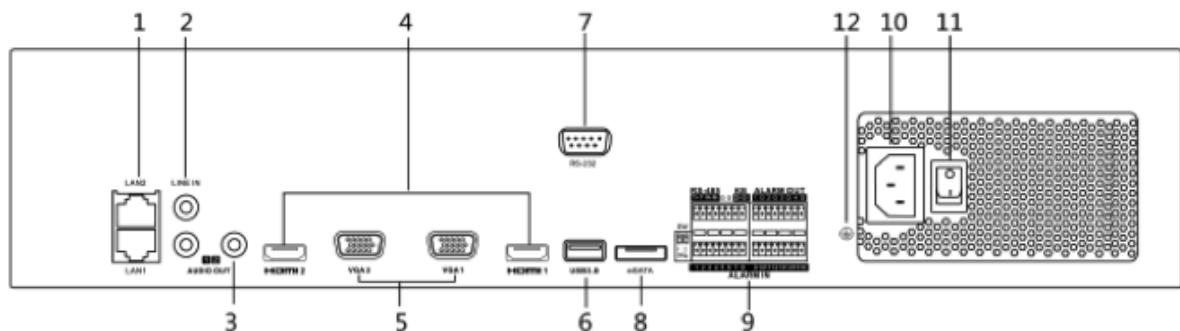
· HDD health monitoring

Smart &POS Function

· Supports multiple VCA (Video Content Analytics) events

· Smart search for the selected area in the video; and smart playback to improve the playback efficiency

· POS information overlay on live view and playback

· POS triggered recording and alarm Network & Ethernet Access

· 2 Gigabit Ethernet network interfaces

Specifications

		32ch NVR	64ch NVR
Video/Audio input	IP video input	Up to 12 MP resolution	
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)	
Network	Incoming bandwidth	320 Mbps	320 Mbps
		or 200 Mbps (when RAID is enabled)	
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)	
	Remote connection	128	
Video/ Audio output	Recording resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	CVBS output (Optional)	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
	VGA1 /HDMI1 output resolution	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
		VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	VGA2 /HDMI2 output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Audio output	2-ch, RCA (2.0Vp-p, 1 KΩ)	
Decoding	Decoding format	H.265+/H.265/H.264/H.264+/MPEG4	
	Live view/Playback resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Synchronous playback	16-ch	
	Capability	2-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)	
Network management	Network protocols	TCP/IP, DHCP, DNS, DDNS, NTP, SMTP, NFS, iSCSI, UPnP™, HTTPS	
Hard disk	SATA	8 SATA interfaces for 8HDDs	
	eSATA	1 eSATA interface	
	Capacity	Up to 10TB capacity for each HDD	

Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10
	Number of arrays	4
External interface	Serial interface	RS-232; RS-485; Keyboard
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
	Alarm in/out	16/4
General	Power supply	100 to 240 VAC, 50 to 60 Hz
	Max. Power	200 W
	Consumption (without HDD)	≤ 30 W
	Working temperature	–10 °C to 55 °C (14 °F to 131 °F)
	Working humidity	10 to 90 %
	Dimensions(W × D × H)	445 × 470 ×90 mm (17.5"× 18.5" × 3.5")
	Weight (without HDD)	≤ 8 kg (17.6 lb)
Certification		CE, FCC, UL

Physical Interfaces

Index	Description	Index	Description
1	LAN1/LAN2 Interface	7	RS-232 Interface
2	LINE IN	8	eSATA Interface
3	AUDIO OUT	9	Alarm In/Alarm Out
4	HDMI1/HDMI2 Interface	10	100 to 240 VAC Power Supply
5	VGA1/VGA2 Interface	11	Power Switch
6	USB 3.0 Interface	12	GND

The power behind **your mission**

Johnson Controls

Ordering Information

	Model Number	Description
NVR	HRN-32081S-R	HOLIS Pro H.265+/H.265 Embedded RAID NVR, 32-ch, 2-Gig Ethernet, 8 HDD Bays, Upto 80TB
NVR	HRN-64081S-R	HOLIS Pro H.265+/H.265 Embedded RAID NVR, 64-ch, 2-Gig Ethernet, 8 HDD Bays, Upto 80TB

Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.americandynamics.net or follow us on Facebook, Twitter, and LinkedIn.

The power behind **your mission**