NR51P24-32

Features and Functions

Professional and Reliable
- New logical and visualized GUI design
- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected

Video Input and Transmission
- Up to 32-ch 12 MP IP cameras can be connected
- 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
- HDMI Video output at up to 4K (3840 × 2160) resolution

Storage and Playback
- Up to 4 SATA interfaces connectable for HDD connection
- Smart search for efficient playback
- 16-ch synchronous playback at up to 1080p resolution
- 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
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback
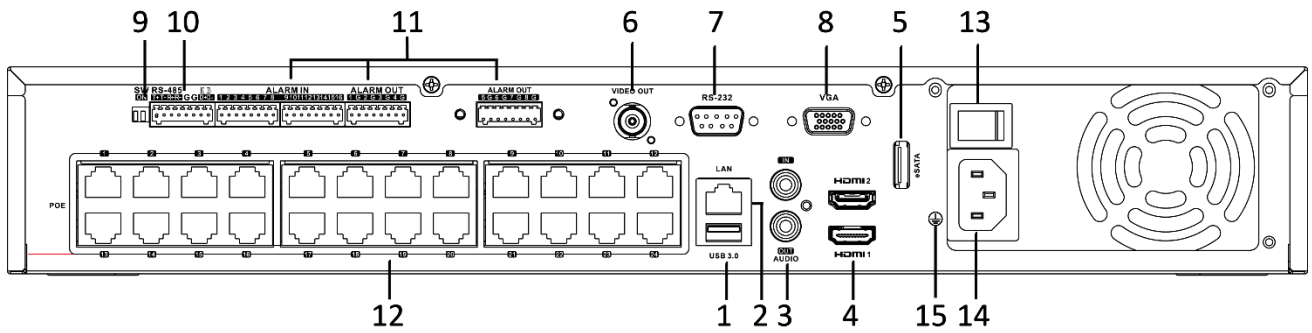- POS triggered recording and alarm

Network & Ethernet Access
- Guarding Vision for easy network management
- Gigabit Ethernet network interface
- 24 independent PoE network interfaces are provided
- Long distance (100-300 m) network transmission via PoE

Specifications

Model		NR51P24-32
Video/Audio input	**IP video input**	32-ch
		Up to 12 MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Network	**Incoming bandwidth**	320Mbps
	Outgoing bandwidth	256 Mbps
	Remote connection	128
Video/Audio output	**Recording resolution**	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF /DCIF/ 2CIF/CIF/QCIF
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
	HDMI1/VGA1 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
	HDMI2 output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (Linear, 1 KΩ)
Decoding	**Decoding format**	H.265+/H.265/H.264+/H.264/MPEG4
	Live view/ Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF /DCIF/ 2CIF/CIF/QCIF
	Synchronous playback	16-ch
	Capability	2-ch @ 12 MP (20fps) / 4-ch @ 8 MP (30fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)
Network management	**Network protocols**	TCP/IP, DHCP, Guarding Vision, DNS, DDNS, NTP, SADP, SNMP, SMTP, NFS, iSCSI, UPnP™, HTTPS
Hard disk	**SATA**	4 SATA interfaces for 4HDDs
	Capacity	Up to 8TB capacity for each HDD
	eSATA	1 eSATA interface
External interface	**Network interface**	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	Serial interface	1 RS-485 (half-duplex), 1 RS-232
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
	Alarm in/out	16/8
POE Interface	**Interface**	24 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
	Power	≤ 210W
	Supported standard	IEEE 802.3 af/at
General	**Power supply**	100 to 240 VAC
	Power	≤ 300 W
	Consumption (without hard disk and PoE)	≤ 20 W
	Working temperature	-10 to +55º C (+14 to +131º F)
	Working humidity	10 to 90 %
	Chassis	19-inch rack-mounted 1.5U chassis
	Dimensions (W × D × H)	445 × 400 ×71 mm (17.5"× 15.7" × 2.8")
	Weight (without hard disk)	≤ 5 kg (11 lb)

Physical Interfaces

Index	Description	Index	Description
1	USB 3.0 Interface	9	SW Terminal Switch
2	LAN Interfaces	10	RS-485, Keyboard Controller
3	Audio In/Audio Out	11	Alarm In/Alarm Out
4	HDMI1 and HDMI2 Interfaces	12	Network Interfaces with PoE function
5	eSATA Interface (Optional)	13	Power Switch
6	CVBS Video Output	14	100 to 240 VAC Power Supply
7	RS-232 Serial Interface	15	GND
8	VGA Output		