

PT-NR3A64-M8/R 64-ch NVR Series



Highlights

- **IP Camera Inputs:**
 - Supports up to 64-channel IP camera inputs
- **Decoding Capacity:**
 - Up to 2-ch@32 MP + 2-ch@8 MP/10-ch@8 MP/20-ch@4 MP/40-ch@1080p decoding capacity
- **High Bandwidth Capacity:**
 - Up to 400 Mbps incoming & Outgoing bandwidth
- **Enhanced Compression:**
 - Efficient H.265 compression method for high-quality video and reduces storage space
 - Uses stream-over-TLS encryption technology to ensure safe and encrypted video transmission
 - Dual-stream recording optimizes bandwidth consumption
- **High-Definition Video Output:**
 - Equipped with two HDMI and two VGA ports, each supporting independent output sources, and capable of delivering either 8K resolution or two simultaneous 4K video outputs

- **Enterprise-Grade Performance**
 - Support specialized cameras such as people counting, ANPR, and fisheye
 - Robust streaming technology ensures seamless live viewing even under unstable network conditions
 - RAID configurations (RAID 0, 1, 5, 6, 10) and N+M hot spare provide resilient data storage and mitigate data loss risks
 - Equipped with redundant power supply for uninterrupted operation
- **Enhanced Intelligence & POS Integration**
 - Supports a wide range of intelligent video analytics (VCA) events
 - Smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting can be configured
 - POS data overlay available during live monitoring and playback, with recording and alerts triggered by POS activity
- **Network Management:**
 - Self-adaptive Ethernet interfaces: 2 RJ-45 10/100/1000 Mbps.
 - User-friendly mobile app for seamless network and Ethernet access
 - Advanced technology ensures seamless and uninterrupted video streaming
 - Enables direct web access without requiring additional plug-ins or installations
- **Storage Capacity and Playback Options:**
 - Features 8 SATA interfaces & 1 eSATA interfaces for HDD connections
 - Supports 16-channel synchronous playback
 - Playback and download access protected by dual verification

Specification

Video and Audio	
IP Video Input	64-ch
Incoming Bandwidth	400 Mbps
Outgoing Bandwidth	400 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
VGA 1 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA 2 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI 1 and VGA 1 provide simultaneous video output, and work as the main output; HDMI 2 and VGA 2 provide simultaneous video output, and work as the auxiliary output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
Decoding	
Decoding Format	H.265/H.264
Recording Resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/ 3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch
Decoding Capability	2-ch@32 MP (30 fps) + 2-ch@8 MP (30 fps)/10-ch@8 MP (30 fps)/20-ch@4 MP (30 fps)/40-ch@1080p (30 fps)
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM
Network	
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, NFS, iSCSI, SISP, UPnP™, HTTP, HTTPS
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10

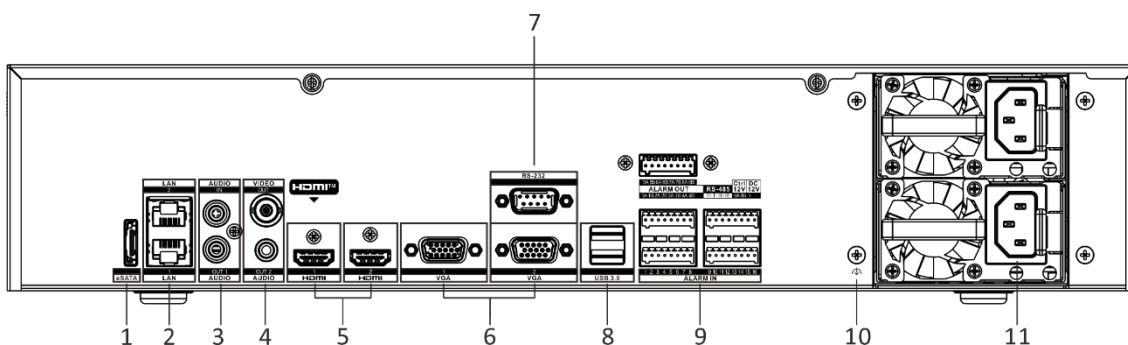
Auxiliary Interface	
Serial Interface	1 RS-485 (full-duplex), 1 RS-232
SATA	8 SATA interfaces supporting hot-plug
eSATA	1 eSATA interface
Capacity	Up to 16 TB capacity for each disk
Alarm In/Out	16/9
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Chassis	2U chassis
Dimension (W × D × H)	442 × 542 × 88 mm (17.4 inch× 21.3 inch × 3.5 inch)
Weight	≤ 10 kg (without HDD, 22 lb.)

*Specifications are subject to change without prior notice. *Product picture may differ from the actual.

Available Model

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Physical Interface



No.	Description	No.	Description
1	eSATA interface	7	RS-232 Serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces		

Dimensions

