

ZNR-424

64-Channel Rackmount Standalone NVR 12MP



- 8-bay 2U Rackmount Standalone NVR
- Maximum Number of Video Devices: 64
- Web Client
- Event trigger, response and notification
- Video export formats: MP4

► Specifications

Device

Product Type	Standalone NVR
Maximum Resolution	12MP
Maximum Number of Video Devices	64
Maximum Number of Clients	Local: 1, Remote: 128
Supported Screen Resolution	HDMI: 3840x2160 (30Hz), 1920x1080 (60Hz/50Hz), 1600x1200 (60Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz) VGA: 1920x1080 (60Hz/50Hz), 1600x1200 (60Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz)

License

License required	No
Free License	64

Live View

Display Layout Mode	1, 4, 6, 8, 9, 16, 25, 36, 64
Local Live View performance	[H.265] 2ch (up to 30 fps at 12MP) 4ch (up to 30 fps at 4K 3840 x 2160) 6ch (up to 30 fps at 5MP) 8ch (up to 30 fps at 4MP) 10ch (up to 30 fps at 3MP) 16ch (up to 30 fps at 2MP 1920 x 1080) 32ch (up to 25 fps at 960p) 36ch (up to 30 fps at 720P) 64ch (at D1) [H.264] 2ch (up to 30 fps at 12MP) 2ch (up to 30 fps at 4K 3840 x 2160) 4ch (up to 30 fps at 5MP) 6ch (up to 30 fps at 4MP) 8ch (up to 30 fps at 3MP) 14ch (up to 30 fps at 2MP 1920 x 1080) 28ch (up to 25 fps at 960p) 30ch (up to 30 fps at 720P) 64ch (at D1)

PTZ

PTZ Control	PTZ Control, Speed Control
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Video

Compression	H.265, H.264
Built-in Analytics	PTZ Auto Tracking*, Intrusion Detection (Forbidden Area Detection)*, Object Line Crossing Detection*, Unattended Object Detection*, Missing Object Detection*

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711 A-law, G.711 u-law

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP Client, HTTP, HTTPS, DNS, DDNS, NTP, RTSP, SMTP, FTP, ICMP, ARP, UPnP, SNMP
Ethernet Port	2 x Ethernet (10/100/1000 Base-T), RJ-45 connector
Maximum Outgoing Throughput	160 Mbps

Recording

Scheduled Recording	Yes
Event Recording	Yes
Manual Recording	Yes
Maximum Recording Throughput	320 Mbps

Search & Playback

Playback Control	Continuous forward and backward playback with speeds 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x, pause, stop
Synchronized Playback	16 channels
Video Export	MP4
Snapshot Export	JPEG

Event

Event Trigger	[NVR]: Low disk space, Disk full, Disk not found, Failed to write storage, IP address conflict, Network loss. [Video Device]: Video motion detection, Tampering detection, External device through digital input, Sound detection
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server

System

Permission control	128 Remote users, Customizable permissions for user groups
Client PC Operating System	Windows 7, Windows 8, Windows 10
Server Operating System	Embedded Linux
USB	2-Port USB 2.0, 1-Port USB 3.0
Language	English, Traditional Chinese, Japanese, Spanish

Integration

Edge Recording	Automatically restore the lost videos from the memory card of Z-series camera to ZNR server via proprietary protocol integrations after network connection recovery.
ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 10 or newer, Google Chrome, Microsoft Edge, Firefox

Storage

Storage Bay	SATA, Max. 8 Disk(s) (without storage disks)
HDD Size	3.5"
Maximum Recording Capacity	22TB x8
RAID Level	No

Interface

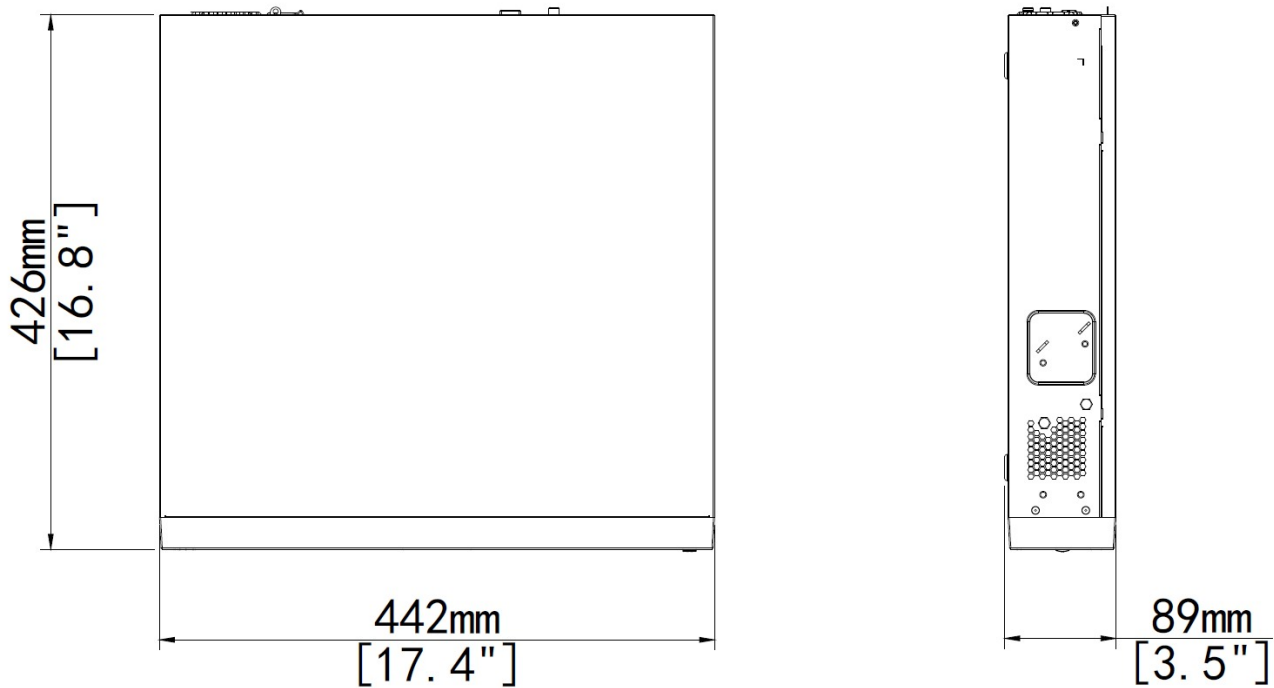
Serial Port	1 x RS-485
Audio Interface	RCA Jack
Digital Input/Output	16/4
Local Access	USB Mouse
Local Display Interface	HDMI x 1, VGA x 1

General

Power Source	AC 100-240V
Power Consumption	32 W (AC, without HDD)
Weight	4000g (8.80lb)
Dimensions	(W x H x D): 442mm x 89mm x 426mm (17.4" x 3.5" x 16.8") Rack Space: 2U
Bundled Accessories	Rack Bracket
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Operating Humidity	10% - 90% RH
Remote Access	Web Client
Approvals	CE Class B, FCC Class B, BSMI, UL Listed(*)
Color	Black
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

* The supported analytics functions depend on the compatible Z-series cameras. * UL certification will be available in Q1 2024. * UL certification will be available in Q1 2024.









► Dimension Diagram







Unit: mm [inch]


► Related Products

Network & Storage Peripherals - Hard Disk

PHDD-2200		WD WD1005FBYZ 1TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for ENR-0x0P, ENR-110, ENR-120, ENR-130, ENR-22x, ENR-22xP, GNR-310, GNR-320, INR-100, INR-340, INR-430, INR-440, INR-450, INR-460)
PHDD-2301		HGST ULTRASTAR 7K6000 2TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR-0x0P, ENR-22x, ENR-22xP)
PHDD-2501		HGST ULTRASTAR 7K6000 4TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR-0x0P, ENR-22x, ENR-22xP)
PHDD-2702		WD Ultrastar 6TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache
PHDD-2900		WD WD8002FRYZ 8 TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for GNR-310, GNR-320, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460)
PHDD-2A00		WD WD101KRYZ 10TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache (for ENR-xxx, ENR-xxxP, GNR-330, GNR-410, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460, INR-470)
PHDD-2B01		HGST ULTRASTAR 7K6000 12TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache
PHDD-2E01		HGST ULTRASTAR 7K6000 14TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

PHDD-2G00		WD Ultrastar 18TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache
PHDD-2H00		WD Ultrastar 16TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache
PHDD-2I00		WD Ultrastar 20TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache
PHDD-2J00		WD Ultrastar 22TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

Network & Storage Peripherals - Extended Storage Device

PSTR-0405		2U 12-Bay NAS RAID Storage Device (for all ENR, GNR, INR, ZNR series)
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