

ZNR-423

32-Channel Rackmount Standalone NVR 8MP



- 4-bay 1U Rackmount Standalone NVR
- Maximum Number of Video Devices: 32
- Web Client
- Event trigger, response and notification
- Video export formats: MP4

► Specifications

Device

Product Type	Standalone NVR
Maximum Resolution	8MP
Maximum Number of Video Devices	32
Maximum Number of Clients	Local: 1, Remote: 2
Supported Screen Resolution	HDMI: 3840x2160 (30Hz), 1920x1080 (60Hz/50Hz), 1600x1200 (60Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz) HDMI/VGA: 1920x1080 (60Hz/50Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz)

License

License required	No
Free License	32

Live View

Display Layout Mode	1, 4, 6, 8, 9, 16, 25, 32
Local Live View performance	2ch (up to 30 fps at 4K 3840 x 2160) 3ch (up to 30 fps at 5MP) 4ch (up to 30 fps at 4MP) 5ch (up to 30 fps at 3MP) 8ch (up to 30 fps at 2MP 1920 x 1080) 16ch (up to 30 fps at 720p) 32ch (up to 30 fps at D1) 32ch (up to 15 fps at 720p)
Digital Zoom	Yes

Event Status	Display event status upon alarm or upon connection loss or recovery between server and client
Instant Playback	Instant Playback in live view window

PTZ

PTZ Control	PTZ Control, Speed Control
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Video

Compression	H.265, H.264
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Audio

Audio Type	2-way, Line-in, Line-out
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Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP Client, PPPoE, 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	64 Mbps

Recording

Scheduled Recording	Yes
Event Recording	Yes
Manual Recording	Yes
Maximum Recording Throughput	160 Mbps

Search & Playback

Playback Control	Continuous forward and backward playback with speeds 1x/2x/4x/8x/16x, 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, Sound detection
Event Response	Play alert sound, E-mail notification with snapshots

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

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. 4 Disk(s) (without storage disks)
HDD Size	3.5"
Maximum Recording Capacity	22TB x4
RAID Level	No

Interface

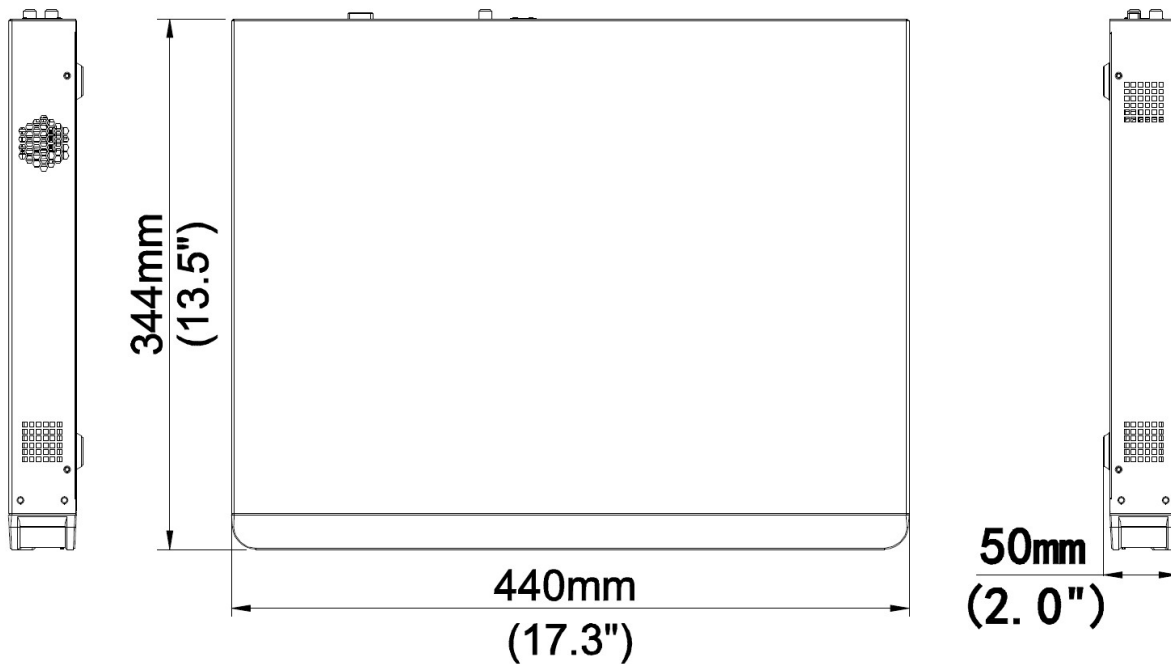
Audio Interface	RCA Jack
Local Access	USB Mouse
Local Display Interface	HDMI x 1, VGA x 1

General

Power Source	DC 12V
Power Consumption	15 W (DC, without HDD)
Weight	3210g (7.08lb)
Dimensions	(W x H x D): 440mm x 50mm x 344mm (17.3" x 2.0" x 13.5") Rack Space: 1U
Bundled Accessories	Power Adapter, Rack Bracket, USB Mouse
Fan	No
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
Material	Iron
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

* UL certification will be available in Q1 2024.

► Dimension Diagram



Unit: mm [inch]

► Related Products

Mounting Accessories - Standalone NVR Mount

PMAX-1205



Rack Bracket for ZNR-421

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

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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Other Accessories - Accessory Part

R704-X0000		SATA Power Cable (for ZNR series)
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