ZNR-423

32-Channel 4-Bay 1U Rackmount Standalone NVR



- 32 channels, 32 Free Licenses
- 4 Storage Bay(s)
- Rack Space: 1U, Rackmount Standalone NVR
- Embedded Linux
- Audio, HDMI x 1, VGA x 1
- Web Client
- Multi-Browser Support

Specifications

Product Profile

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)

Hardware

System Architecture	Embedded SoC-based (ARM platform)

License

License required	No
Free License	32

Live View

Display Layout Mode	1, 4, 6, 8, 9, 16, 25, 32
Fisheye Dewarping	Yes (Live View, Playback)

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

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+)

Analytics

Analytics from Camera	Receive analytics based events from the cameras and respond to the events: Face Detection; Smart Motion Detection (People Detection, Vehicle Detection); Smart Intrusion Protection (Intrusion Detection, Line Crossing Detection, Enter Area Detection, Exit Area Detection); People Counting (People Line Counting, People Area Counting, People Flow Counting, Crowd Detection)

Audio

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

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
Server Operating System	Embedded Linux
Client PC Operating System	Windows 7, Windows 8, Windows 10
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	24TB x4
RAID Level	No

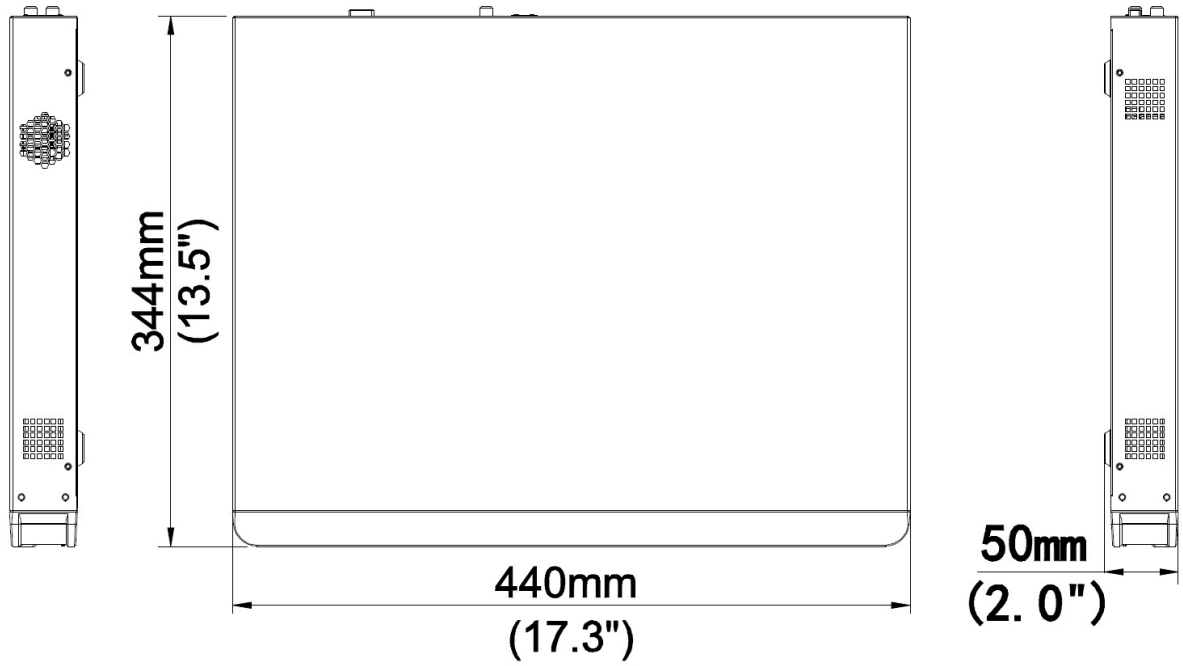
Interface

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, non-condensing
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

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
PHDD-2M00		WD Ultrastar 24TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

Network & Storage Peripherals - Extended Storage Device

PSTR-0405		QNAP TS-1232PXU-RP-4G 2U 12-Bay NAS RAID Storage Device (for All GNR、ENR、INR and ZNR Series)

Controllers - Joystick

PJSK-0102		Joystick for PTZ Control (for ZNR-126, ZNR-127, ZNR-221P, ZNR-423, ZNR-424, YVR Series)

Other Accessories - Accessory Part

R704-X0000		SATA Power Cable (for ZNR series)