

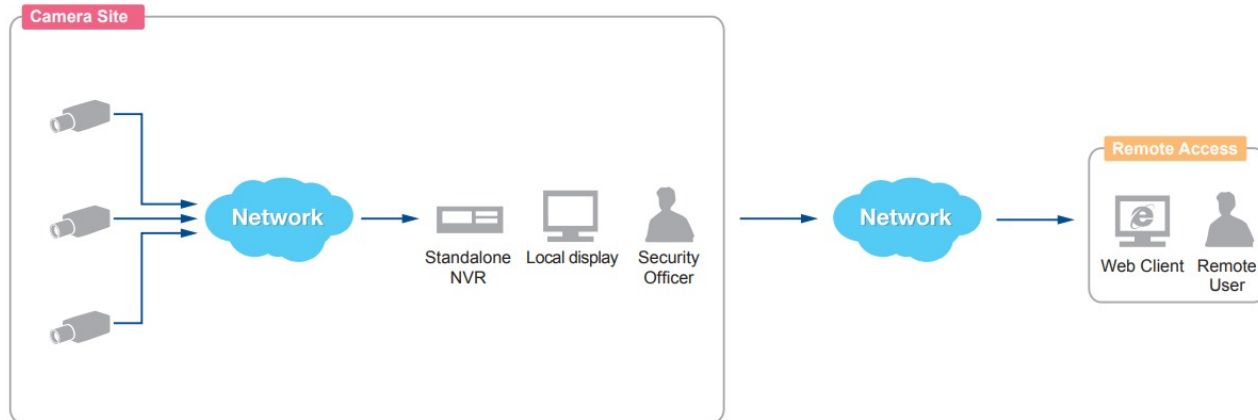
# ENR-421

## 32-Channel Rackmount Standalone NVR



- 4-bay Rackmount Standalone NVR
- Rack Space: 1U
- Maximum Number of Video Devices: 32
- Free License: 32
- Event trigger, response and notification
- Web Client, Mobile Client
- Video export formats: RAW, AVI
- Location-based management with e-Map
- Hi3536, 4GB

### ► Solution Diagram



Remote User: Administrator / Supervisor / Manager / Security Officer

### ► Specifications

#### Device

Product Type	Standalone NVR
Maximum Resolution	Support all ACTi cameras in all resolutions
Maximum Number of Video Devices	32

Maximum Number of POS devices	32
Maximum Number of Access Control and Network I/O devices	32
Maximum Number of Clients	Local: 1, Remote: 2
Supported Screen Resolution	HDMI: 1080p, 4K2K

### Hardware

CPU	Hi3536
RAM	4GB

### License

License required	No
Free License	32

### Live View

Display Layout Mode	Custom dynamic layouts by grid merging, local up to 16 video channels, remote up to 32 video channels
Fisheye Dewarping	Local: Yes*, Remote: Yes
Local Live View performance	Please check "Standalone NVR Performance Validator" ( <a href="http://www.acti.com/SANVRPerformance">http://www.acti.com/SANVRPerformance</a> )
Digital Zoom	Yes (available for remote web client)
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

### Map

e-Map	Yes*
Google Map	Yes*

### PTZ

PTZ Control	PTZ Control, Speed Control, 32 preset points
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### Video

Compression	H.265, H.264, MJPEG
Text Overlay	Yes

### Audio

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

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP (Server/Client), HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, SMTP, ICMP, ARP, UPnP, iSCSI, Samba, NFS, SNMP
Ethernet Port	Total ports: 2 port(s) Non-PoE: 2 port(s), Ethernet (1000 Base-T), RJ-45 connector

### Recording

Scheduled Recording	Yes
Event Recording	Yes

Manual Recording	Yes
Event Speed-up Recording	Yes
Dual Stream Management	Yes
Maximum Recording Throughput	300 Mbps

### Search & Playback

Playback Control	Continuous forward and backward playback with speeds 0.125x/0.25x/0.5x/1x/2x/4x/8x/16x, pause, stop
Synchronized Playback	16 channels
Recording Search	Search video recordings by time, events, channels and bookmarks*
Video Export	RAW, AVI

### Event

Event Trigger	<p>[NVR]: Disk full, Disk not found, System booted successfully, Expiration of user accounts, Expiration of specific event schedule, Event action failed, S.M.A.R.T test failed.</p> <p>[Video Device]: Video motion detection, External device through digital input, Sound detection, Video loss, Video Recovery, Network loss and recovery, Intelligent event detection (ACTi IVS Cameras).</p> <p>[Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status</p>
Event Response	Play alert sound, Activate external device through digital output, E-mail notification with snapshots, Go to PTZ preset point or preset tour, Command other devices, Push notification

### System

Permission control	Unlimited number of users, Active Directory*, Customizable permissions for user groups*, Account lockout*, Automatic logout after idle*
Client PC Operating System	Windows 10, Windows 8.1, Windows 7 SP1
Server Operating System	Embedded Linux
Mobile Client Program	Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Event/time based search and playback, Supported device(s) iOS, Android device
USB	2-Port USB 2.0, 1-Port USB 3.0
Language	Multi-Language

### Integration

Unified Solution	Fully compatible with ACTi Cameras, Video Encoders, Central Management System*, TV Wall Server*, Intelligent video surveillance software
ONVIF Compliant	Yes, Profile S
Web Browser	IE 11 (Please verify that your computer meets the minimum system requirements for Internet Explorer from Microsoft website.)
Auto Firmware Upgrade	Yes
Third-party Integration	Point of Sale (POS), Parking Management Station (PMS), Access Control, Network I/O

### Storage

Storage Bay	SATA, Max. 4 Disk(s) (without storage disks)
HDD Size	3.5"

Maximum Recording Capacity	14TB x4
Supported Storage	Video Recording: SATA disk, iSCSI Export*: USB, iSCSI, Samba, NFS

**Interface**

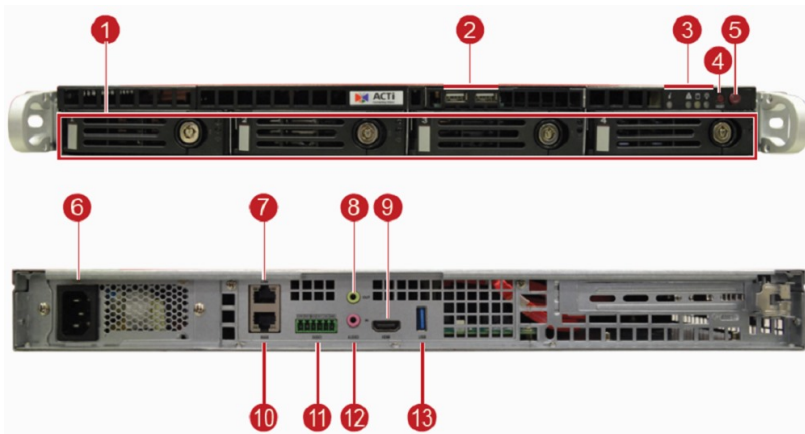
Digital Input/Output	2/2
External Storage Interface	iSCSI
Local Access	USB keyboard & mouse
Local Display Interface	HDMI x 1,

**General**

Power Source	AC 100-240V
Weight	7011g (15.457lb)
Dimensions	Rack Space: 1U (W x H x D): 438.4mm x 43.6mm x 505.59mm (17.2" x 1.69" x 19.8")
Bundled Accessories	Power Adapter
Fan	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Remote Access	Web Client, Mobile Client
Approvals	CE, FCC, UL (for built-in power adapter)
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

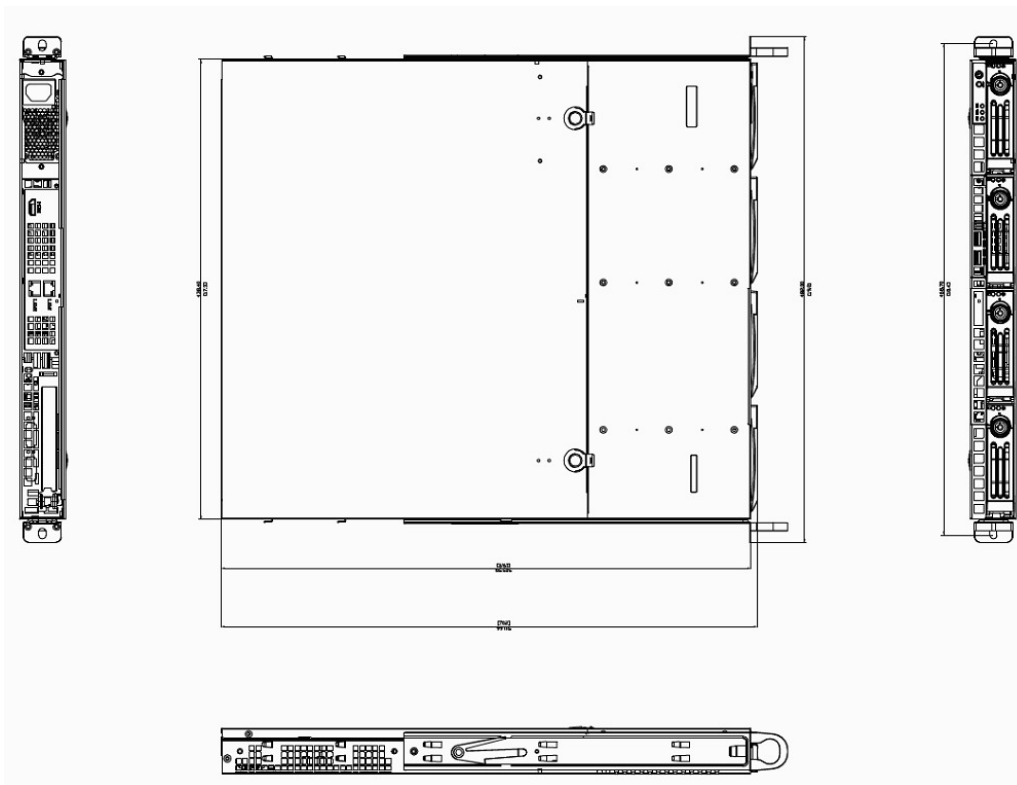
\* To be available through future firmware upgrade

## ► Photo Indication



- 1 HDD Bay
- 2 USB 2.0 Ports
- 3 LED Indicators
- 4 Reset Button
- 5 Power Button
- 6 Power Input Connector
- 7 LAN Ports
- 8 Audio Output Jack
- 9 HDMI Port
- 10 WAN Port
- 11 Digital Input/Output
- 12 Audio Input Jack
- 13 USB 3.0 Port

## ► Dimension Diagram





Unit: mm [inch]

## ► Ordering Information

LEXD1000	The license is for access control reader and network I/O device to work on ACS-100, Access Control Standard Server. The number of add-on device supported: 1-300 (ACS-100), No Limit (Access Control Standard Server). Price listed is for single device add-on license.
LPOS1000	The license is for POS register to work on . Price listed is for single device add-on license.









## ► Related Products

### Mounting Accessories - Standalone NVR Mount


PMAX-1202	 19" Rackmount Rails for CMS-200, ENR-190, ENR-420, ENR-421, LPR-120
PMAX-1203	 26" Rackmount Rails for CMS-200, ENR-190, ENR-420, ENR-421, LPR-120

**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://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

### Controllers - Joystick

PJSK-0100	 Apem 100-550-BLK-RF Joystick for PTZ Control (for all ENR, INR, and MNR Series)
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## Audio Devices - Microphone

PMIC-0101



YLD-122 Active Microphone (for ENR)