

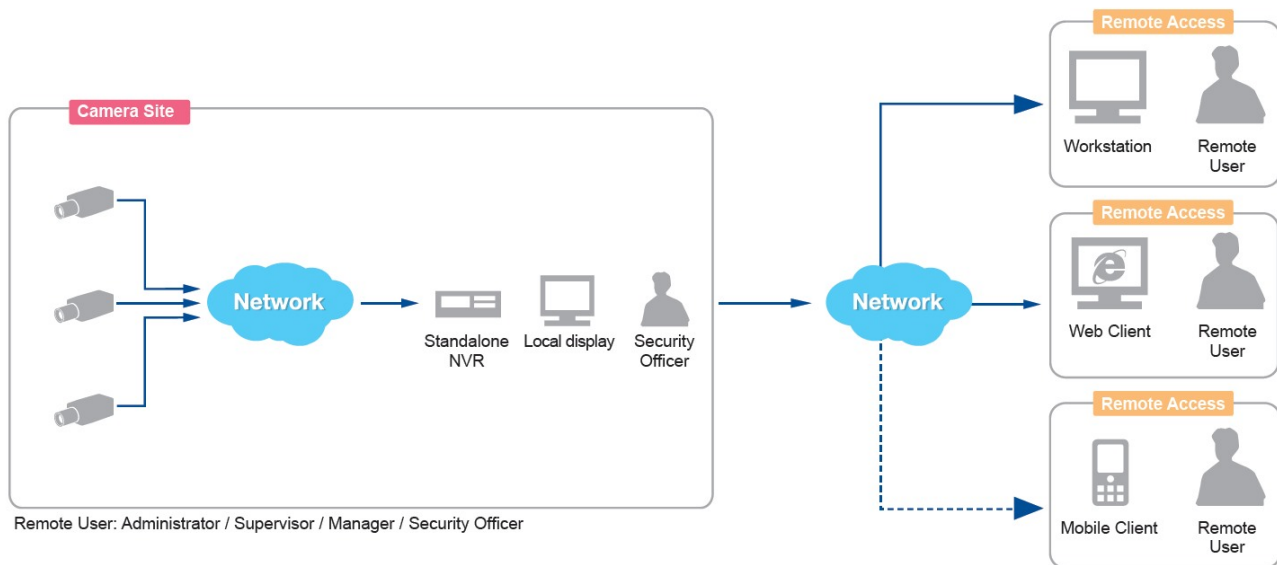
# GNR-330

## 64-Channel RAID Tower Standalone NVR



- 6-bay Tower Standalone NVR
- Maximum Number of Video Devices: 64 (Free License: 32)
- Hardware RAID 0, 1, 5, 10
- Workstation, Web Client, Mobile Client
- Event trigger, response and notification
- Video export formats: RAW, AVI, EXE
- Non-ACTi camera support via licensed Camera Device Pack
- Bay 1: Independent bay, Bay 2~6: RAID controlled

### ► Solution Diagram



### ► Specifications

#### Device

Product Type	Standalone NVR
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Maximum Resolution	Support all ACTi cameras in all resolutions
Maximum Number of Video Devices	64
Maximum Number of POS devices	64 (requires additional license)
Maximum Number of Access Control and Network I/O devices	64 (requires additional license)
Maximum Number of Clients	Local: 1, Remote: 4

**Hardware**

CPU	Intel Core i5-4590S
RAM	8GB

**License**

License required	Yes
Free License	32 (32 channels for ACTi and 1 channel for third-party video device)

**Live View**

Display Layout Mode	Local:1, 3, 4, 5, 6, 8, 9, 10, 12, 16 Remote:1, 3, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64, Custom
Fisheye Dewarping	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
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Instant Playback	Instant Playback in live view window
Embedded websites in Live View	Display and connect to pre-configured embedded website

**Map**

e-Map	Yes
Layout	Area maps with camera icons, small live view windows, hyperlinked
Setup	e-Map image upload, Google maps settings and preset management, camera positioning, vision angle and pointed direction of camera, view positioning, source positioning, extended devices for Point-of-sale (POS), Access Control, Network I/O, Car Park
PTZ Mode	Mouse PTZ mode to control e-Map video streams

**PTZ**

PTZ Control	PTZ Control, Speed Control, 32 preset tours
Joystick	USB based joystick supported

**Video**

Compression	H.265, H.264, MPEG-4, MJPEG
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### Audio

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

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP Client, HTTP, DNS, NTP, RTP, RTSP, SMTP, FTP, ICMP, ARP, UPnP, LDAP (client), iSCSi
Ethernet Port	Total ports: 2 port(s) Non-PoE: 2 port(s), Ethernet (100/1000 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 1x/2x/4x/8x/16x or frame-by-frame, pause, stop
Synchronized Playback	9 channels (Local), 64 channels (Remote)
Recording Search	Search video recordings by time, events, channels, bookmarks, notifications and listed as clickable time-based thumbnails for full-size view and snapshot download
Smart Search	Smart search of recorded video by Motion Detection and Tamper
Video Export	RAW, AVI, EXE

### Event

Event Trigger	[NVR]: Disk full, Disk not found, Disk is available, Schedule service start and stop, Video Push start and stop, CPU limit exceeded.  [Video Device]: Video motion detection, Passive IR sensor, External device through digital input, Sound detection, Intelligent event detection, Video Push start and stop, Video loss, Video Recovery, Network loss and recovery.  [Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status, Car park status
Event Response	Pop-up window with live video and event confirmation activation, Switch to hotspot window, Switch to customize view, Command a PTZ device to go to a preset point, Play alert sound, Activate external device through digital output, Execute system command to activate other programs, Upload video or snapshot to FTP server, E-mail notification with snapshots, Push notification

### Redundancy Server

Redundancy Service	Yes, N+1 (With limited functions when NVR 3 server acts as Redundancy server)
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### System

Permission control	Unlimited number of users, Active Directory, Customizable permissions for user groups, Account lockout, Automatic logout after idle, Playback password protected, Password validity period
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Client PC Operating System	Windows 7 SP1, Windows 8.1, Windows 10, Windows Server 2008 R2 SP1, Windows Server 2012 R2, Windows Server 2016
Server and Client PC requirements	Please use <a href="https://www.acti.com/pcselector">https://www.acti.com/pcselector</a> For client PC requirements, please check the Performance: Live View section.
Server Operating System	Windows 7 Embedded, Windows 10 IoT (Optional)
Mobile Client Program	Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Video Push, Event/time based search and playback, Supported device(s) iPhone, Android device
USB	2-Port USB 2.0, 4-Port USB 3.0
Language	Multi-Language

### Integration

Unified Solution	Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software
GPS Position	Manual setting
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.)
Third-party Integration	Point of Sale (POS), Access Control, Network I/O, Parking Management Station (PMS), (Various optional integrations requiring additional license)

### Storage

Supported Storage Technology	NAS, SAN
System Drive	mSATA SSD, 128GB
Storage Bay	SATA, Max. 6 Disk(s) (without storage disks) Bay 1: Independent bay, Bay 2~6: RAID controlled
HDD Size	3.5"
Maximum Recording Capacity	14TB x6
RAID Level	Hardware RAID 0, 1, 5, 10
Supported Storage	Video Recording: SATA disk, iSCSI Video Exporting: iSCSI, USB

### Interface

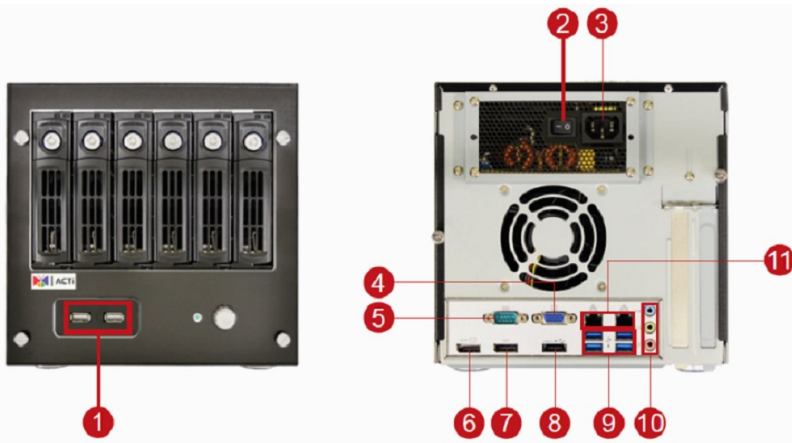
External Storage Interface	eSATA, iSCSI, USB
Local Access	USB joystick, keyboard & mouse
Local Display Interface	VGA x 1, Display Port x 2

### General

Power Source	AC 100-240V
Weight	6315g (13.92lb)
Dimensions	(W x H x D): 214mm x 218.3mm x 315mm (8.425" x 8.594" x 12.401")
Fan	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Remote Access	Workstation, Web Client, Mobile Client

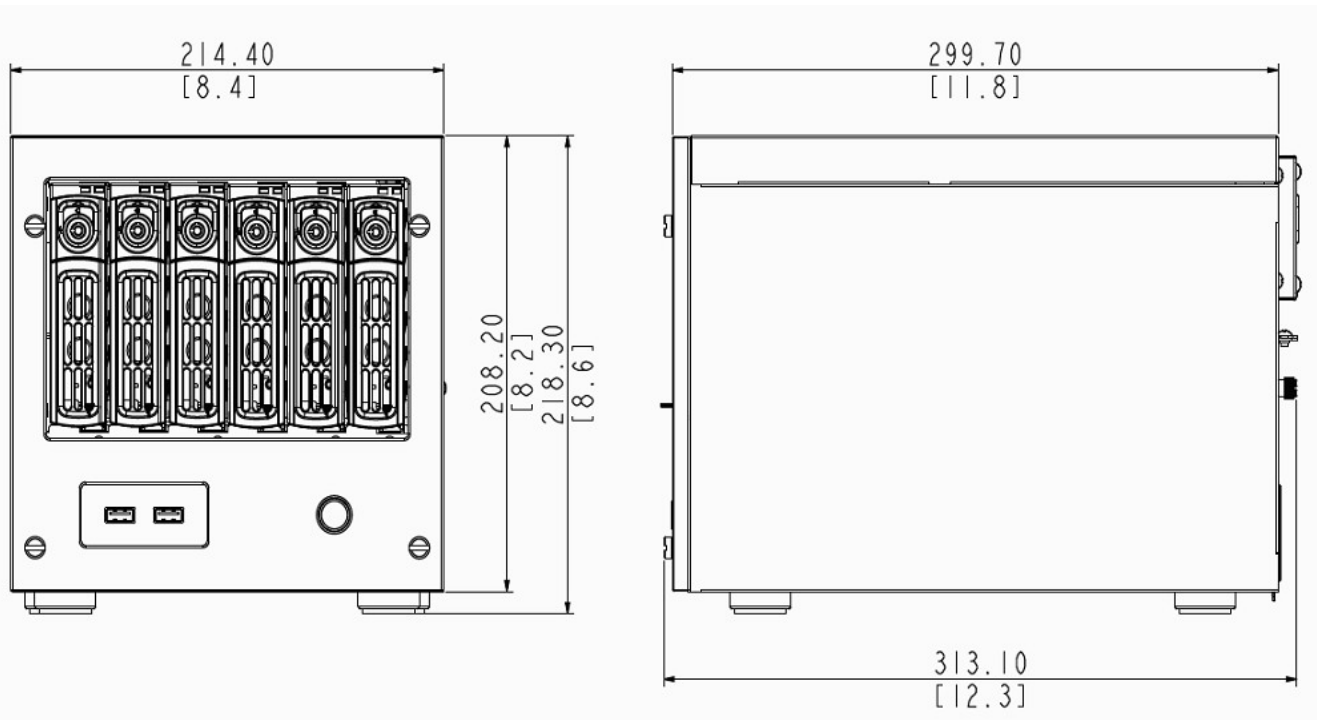
Approvals	CE, FCC, UL (for built-in power adapter)
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

► Photo Indication



- 1 USB 2.0 Ports
- 2 Power Switch
- 3 Power Connector
- 4 Serial Port
- 5 VGA Port
- 6 Display Port
- 7 Display Port
- 8 eSATA Port
- 9 USB 3.0 Port
- 10 Audio Ports
- 11 Ethernet Port









► 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


### Network & Storage Peripherals - Network IO Module

PIOB-0100		Advantech ADAM-6060 6 Digital Input and 6 Digital Output Network I/O Module
PIOB-0200		Advantech ADAM-4571 1-Port RS-232/422/485 Network I/O Module

### Controllers - Joystick

PJSK-0100		Apem 100-550-BLK-RF Joystick for PTZ Control (for all ENR, INR, and MNR Series)
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### Data Cables - USB-Serial Converter Cable

PIOC-0200		USB to RS-232 Serial Converter Cable
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