

# ZNR-221P

## 16-Channel Desktop Standalone NVR with 16-port PoE Connectors 8MP



- 2-bay Desktop Standalone NVR
- Maximum Number of Video Devices: 16
- Free License: 16
- Built-in PoE Connectors (16 ports)
- Web Client
- Video export formats: MP4

### ► Specifications

#### Device

Product Type	Standalone NVR
Maximum Resolution	8MP
Maximum Number of Video Devices	16
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) VGA: 1920x1080 (60Hz/50Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz)

#### License

License required	No
Free License	16

#### Live View

Display Layout Mode	1, 4, 6, 8, 9, 10,13,16
Local Live View performance	2ch (up to 30 fps at 4K 3840 x 2160) 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)
Digital Zoom	Yes

#### PTZ

PTZ Control	PTZ Control, Speed Control
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**Video**

Compression	H.265, H.264
Text Overlay	Yes

**Audio**

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

Ethernet Port	Total ports: 17 port(s) Non-PoE: 1 port(s), Ethernet (10/100/1000 Base-T), RJ-45 connector PoE: 16 port(s), Ethernet (10/100 Base-T), RJ-45 connector
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**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, frame-by-frame
Synchronized Playback	16 channels
Video Export	MP4

**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	1-Port USB 3.0
Language	English, Traditional Chinese, Spanish, Japanese

**Integration**

ONVIF Compliant	Yes
Web Browser	IE 10 or newer

**Storage**

Storage Bay	SATA, Max. 2 Disk(s)
HDD Size	3.5"
Maximum Recording Capacity	18TB x2
RAID Level	No

**Interface**

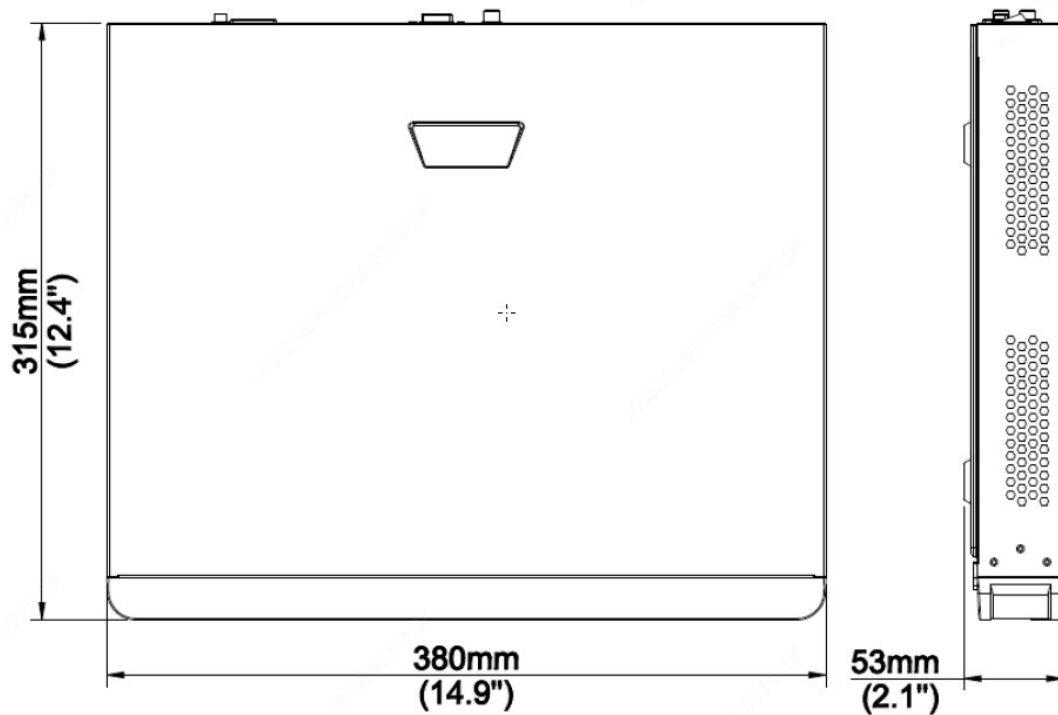
Audio Interface	1/1, RCA Jack
Digital Input/Output	4/1 (Terminal block)
Local Access	USB keyboard & mouse

Local Display Interface | HDMI x 1, VGA x 1

**General**

PoE Output	Maximum 30 Watts per port
PoE Power Budget	Maximum 240 W
Power Source	AC 100-240V
Power Consumption	10 W (AC, without HDD)
Weight	2600g (5.29lb)
Dimensions	(W x H x D): 380mm x 53mm x 315mm (15" x 2.1" x 12.4")
Bundled Accessories	Power cord, USB Mouse
Fan	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	10% - 90% RH
Remote Access	Web Client
Color	Black
Material	Iron
Warranty	2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>


**► Dimension Diagram**



Unit: mm [inch]









## ▶ Related Products

### Mounting Accessories - Standalone NVR Mount


PMAX-1204		Rack Bracket for ZNR-220P, ZNR-221P
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**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

### Other Accessories - Accessory Part

R704-X0000		SATA POWER CABLE (for ZNR series)
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