

# 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 |
|-------------|----------------------------|

**Video**

|              |              |
|--------------|--------------|
| Compression  | H.265, H.264 |
| Text Overlay | Yes          |

**Audio**

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

**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 |
|---------------|---|

**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**

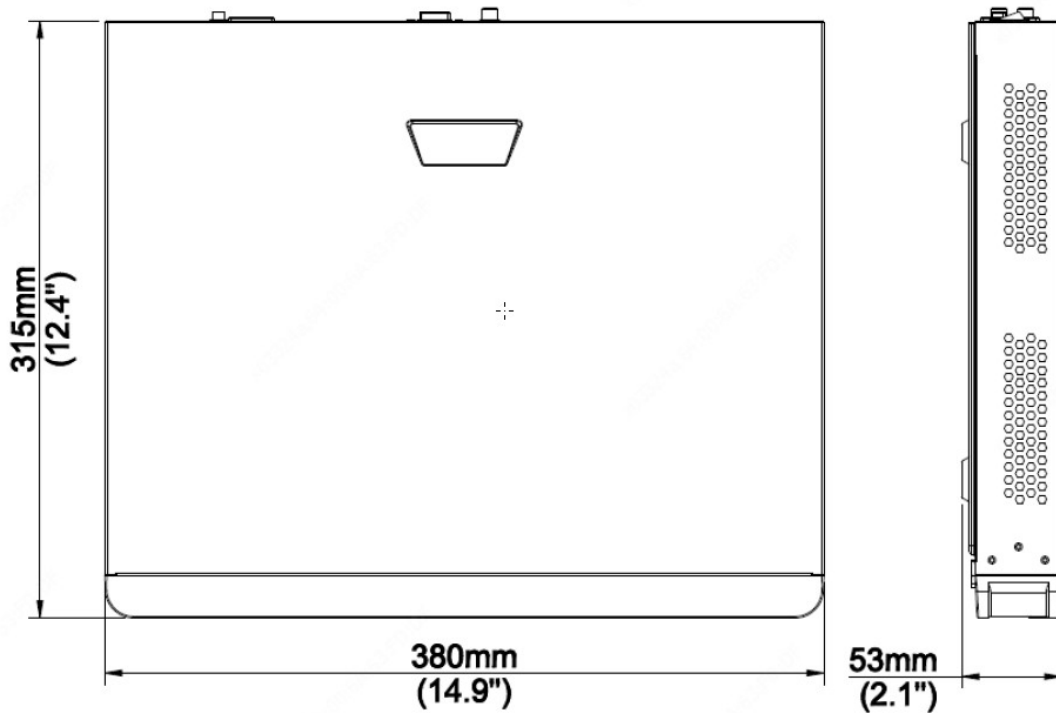
|                      |                      |
|----------------------|----------------------|
| Audio Interface      | 1/1, RCA Jack        |
| Digital Input/Output | 4/1 (Terminal block) |
| Local Access         | USB keyboard & mouse |

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


**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

PHDD-2G00  WD Ultrastar 18TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache

### Other Accessories - Accessory Part

R704-X0000  SATA POWER CABLE (for ZNR series)