

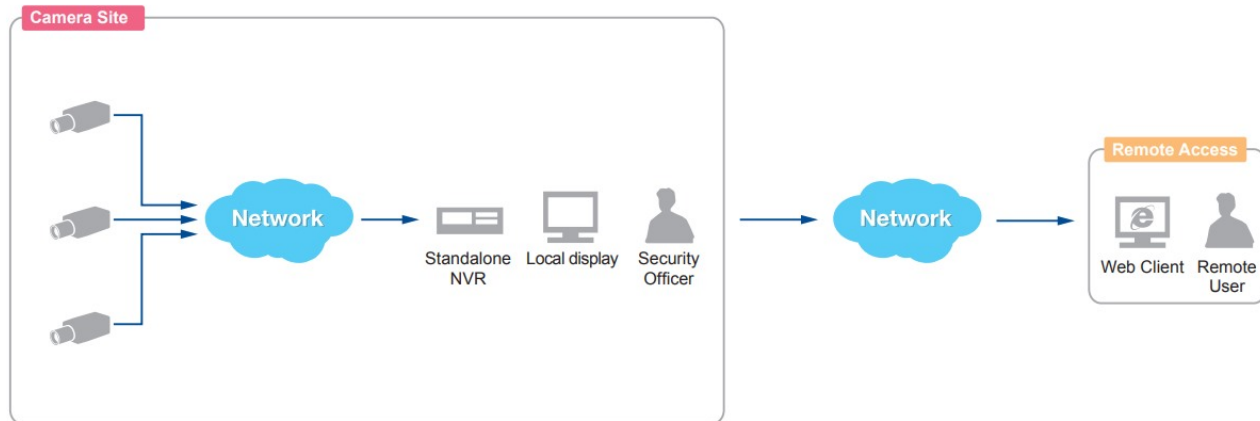
# ENR-020P

## 9-Channel Mini Standalone NVR with 8-port PoE Connectors



- 1-bay Mini Standalone NVR
- Maximum Number of Video Devices: 9
- Free License: 9
- Built-in PoE Connectors (8 ports)
- Event trigger, response and notification
- Workstation, Web Client, Mobile Client
- Video export formats: AVI, RAW

### ► Solution Diagram



Remote User: Administrator / Supervisor / Manager / Security Officer

### ► Specifications

#### Device

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Product Type                    | Standalone NVR                       |
| Maximum Resolution              | Local: up to 3MP; Remote: up to 12MP |
| Maximum Number of Cameras       | 9                                    |
| Maximum Number of Video Devices | 9                                    |

|                           |                     |
|---------------------------|---------------------|
| Maximum Number of Clients | Local: 1, Remote: 2 |
|---------------------------|---------------------|

**License**

|                  |    |
|------------------|----|
| License required | No |
| Free License     | 9  |

**Live View**

|                             |   |
|-----------------------------|---|
| Display Layout Mode         | 1,2,4,9,1+5,1+7,2+4   |
| 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   |
| Instant Playback            | Instant Playback in live view window (Remote client)  |

**PTZ**

|             |  |
|-------------|--|
| PTZ Control | PTZ Control, Speed Control, 32 preset points |
| Joystick    | USB based joystick supported                 |

**Video**

|             |       |
|-------------|-------|
| Compression | H.264 |
|-------------|-------|

**Audio**

|                   |            |
|-------------------|------------|
| Audio Compression | PCM, G.711 |
|-------------------|------------|

**Network**

|                            |  |
|----------------------------|--|
| Network Protocol & Service | IPv4/v6, TCP, IP, UDP, HTTP, HTTPS, DHCP (Server/Client), PPPoE, RTP, RTSP, DNS, DDNS, NTP, SNTP, ICMP, ARP, SMTP, UPnP, To be available through future firmware upgrade |
| Ethernet Port              | Total ports: 9 port(s) (WAN) Non-PoE: 1 port(s), Ethernet (10/100 Base-T), RJ-45 connector (LAN) PoE: 8 port(s), Ethernet (10/100 Base-T), RJ-45 connector               |
| Security                   | HTTPS encryption, Password protected user level  |

**Recording**

|                              |         |
|------------------------------|---------|
| Scheduled Recording          | Yes     |
| Event Recording              | Yes     |
| Manual Recording             | Yes     |
| Event Speed-up Recording     | Yes     |
| Dual Stream Management       | Yes     |
| Maximum Recording Throughput | 36 Mbps |

**Search & Playback**

|                       |  |
|-----------------------|--|
| Playback Control      | Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x, pause, stop |
| Synchronized Playback | 9 channels   |
| Video Export          | AVI, RAW   |

**Event**

|                |  |
|----------------|--|
| Event Trigger  | Video motion detection, External device through digital input, Network loss and recovery   |
| Event Response | Play alert sound, Activate external device through digital output, E-mail notification with snapshots, Go to PTZ preset point or preset tour |

**System**

|                            |  |
|----------------------------|--|
| Permission control         | Unlimited number of users, Customizable permissions for user groups  |
| Client PC Operating System | Windows 7 SP1, Windows 8.1   |
| 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) iPhone, Android device |
| USB                        | 2-Port USB 2.0   |
| Language                   | Multi-Language   |

**Integration**

|                  |  |
|------------------|--|
| Unified Solution | Fully compatible with ACTi cameras, encoders, central management system, TV wall and 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.) |

**Storage**

|                            |  |
|----------------------------|--|
| Storage Bay                | SATA, Max. 1 Disk(s) (without storage disks) |
| HDD Size                   | 3.5"   |
| Maximum Recording Capacity | 14TB x1                                      |

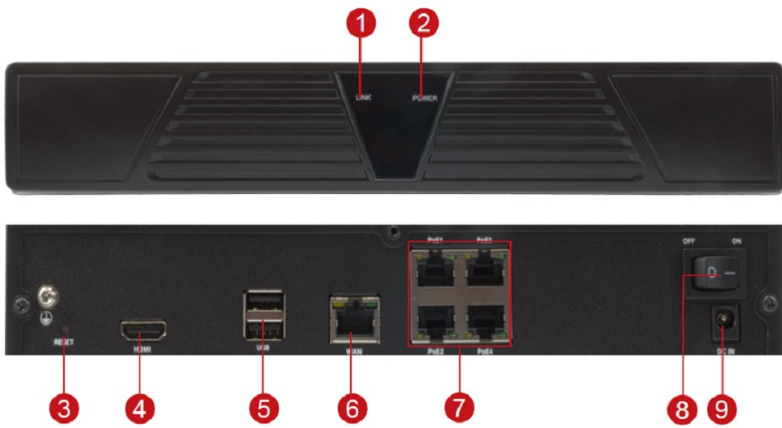
**Interface**

|                         |                      |
|-------------------------|----------------------|
| Local Access            | USB keyboard & mouse |
| Local Display Interface | HDMI x 1,            |

**General**

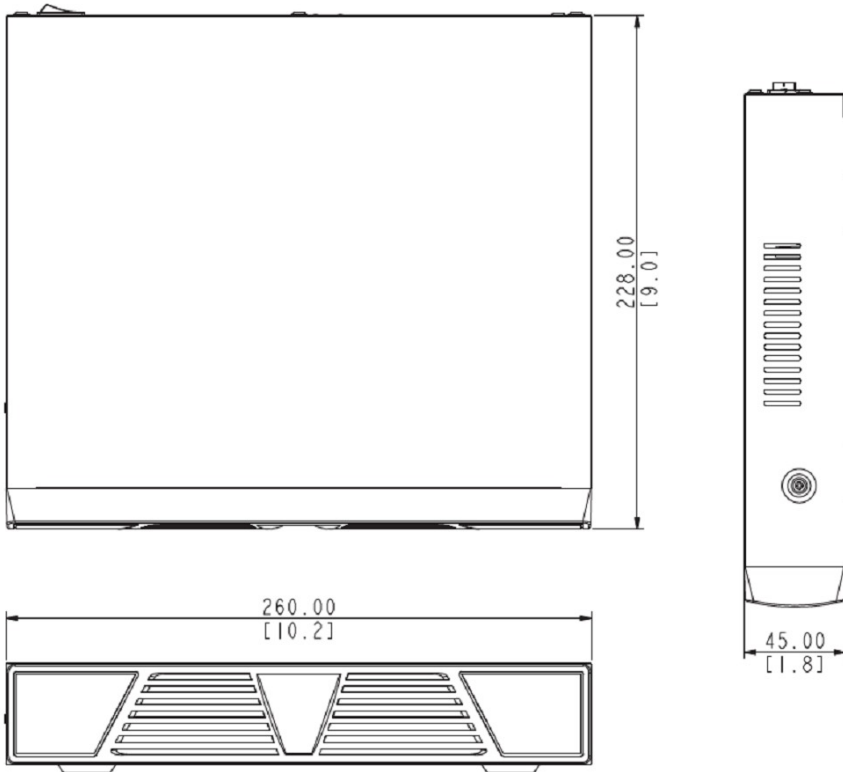
|                       |  |
|-----------------------|--|
| PoE Output            | Maximum 15.4 Watts per port  |
| PoE Power Budget      | Maximum 140 W  |
| Power Source          | DC 48V   |
| Weight                | 909g (2.004lb)   |
| Dimensions            | (W x H x D): 260mm x 45mm x 228mm (10.2" x 1.8" x 9")  |
| Bundled Accessories   | Power Adapter  |
| Fan                   | Yes  |
| Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F)  |
| Operating Humidity    | 10% - 85% RH   |
| 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 Link Indicator
- 2 Power Indicator
- 3 Reset Button
- 4 HDMI Connector
- 5 USB Port
- 6 Gigabit Network Connector
- 7 4 PoE 10/100Mbps Ports
- 8 Power Switch
- 9 DC 48V Power Input

## ► Dimension Diagram




Unit: mm [inch]


## ▶ Related Products


### Power Supply Accessories - Power Adapter


R707-X0005  Power Adapter AC 100~240V (for ENR-020P)


### 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)