

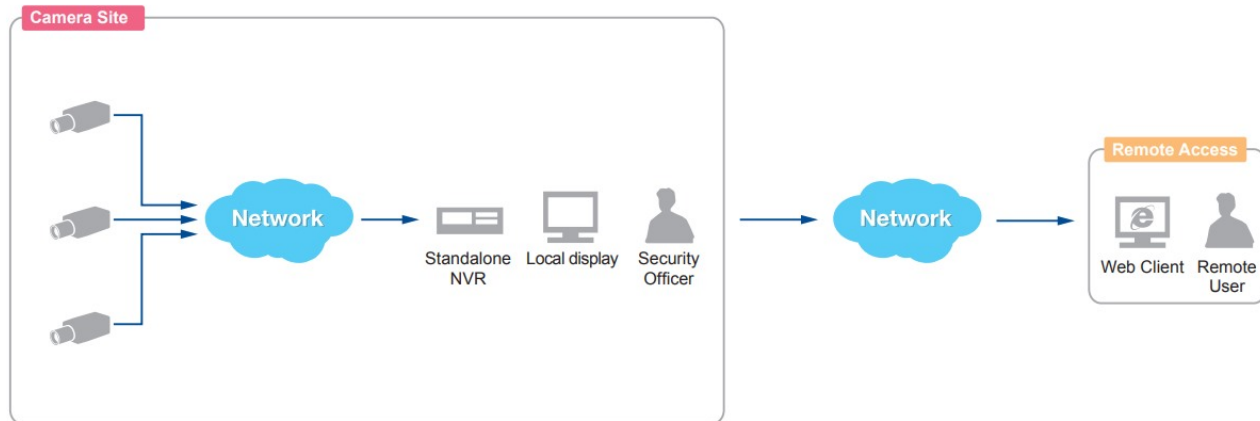
# ENR-020P

## 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 4MP (2048x2048); 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,

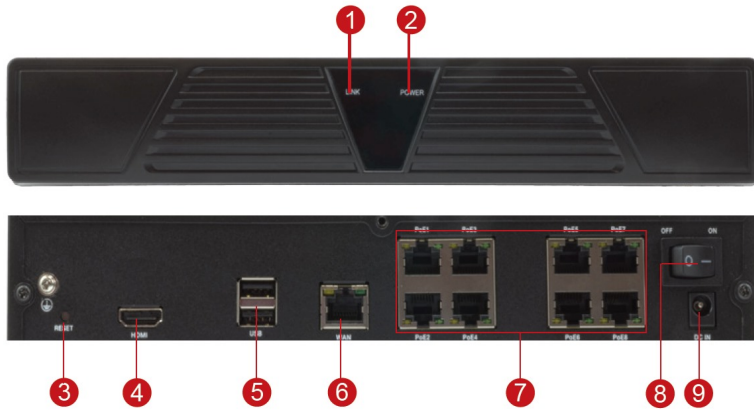
**General**

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

## Standalone NVR

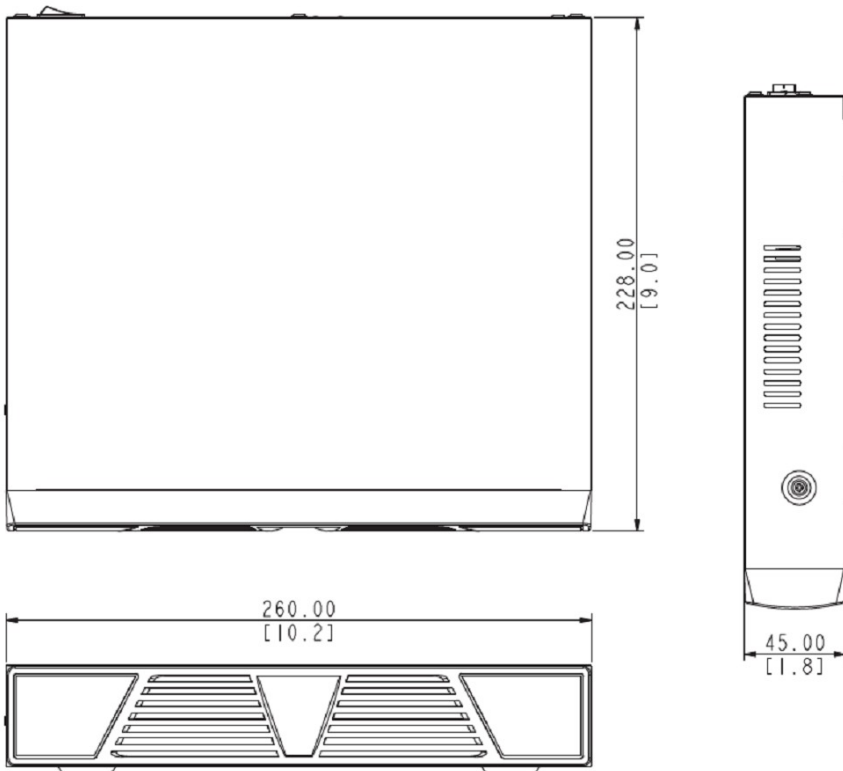
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	10% - 85% RH
Remote Access	Workstation, Web Client, Mobile Client
Approvals	CE, FCC, UL (for built-in power adapter)
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ► Photo Indication



- 1 Link Indicator
- 2 Power Indicator
- 3 Reset Button
- 4 HDMI Connector
- 5 USB Port
- 6 Gigabit Network Connector
- 7 8 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)