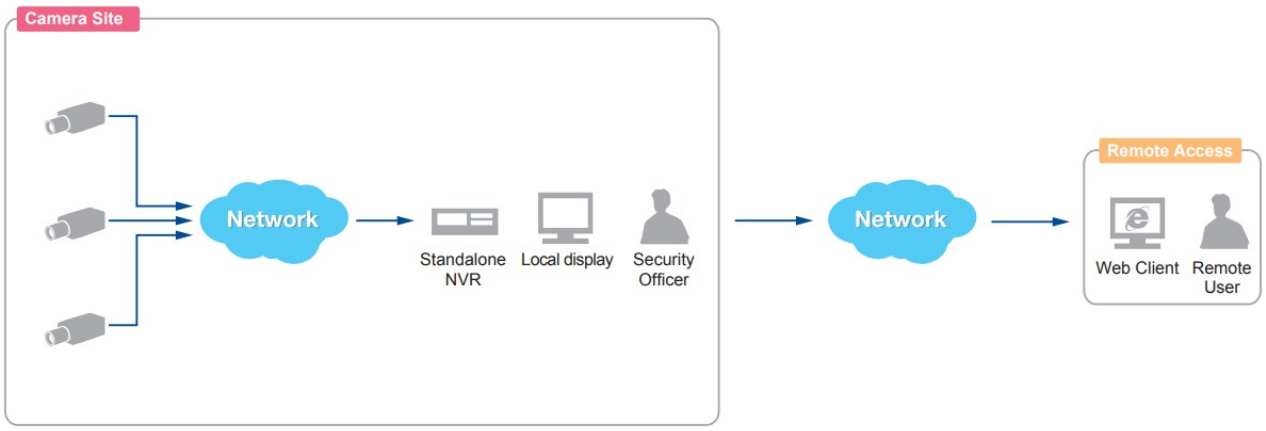
ENR-020P

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

- 1-bay Mini Standalone NVR
- Maximum Number of Video Devices: 9
- Built-in PoE Connectors (8 ports)
- Workstation, Web Client, Mobile Client
- Event trigger, response and notification
- 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 (Web client or Workstation): 2, Remote (Mobile Client): 1

License

License required	No
Free License	9

Live View

Fisheye Dewarping	Yes
Local Live View performance	Please check "Standalone NVR Performance Validator" (http://www.acti.com/SANVRPerformance)
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, Google Chrome, Microsoft Edge, Apple Safari

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,

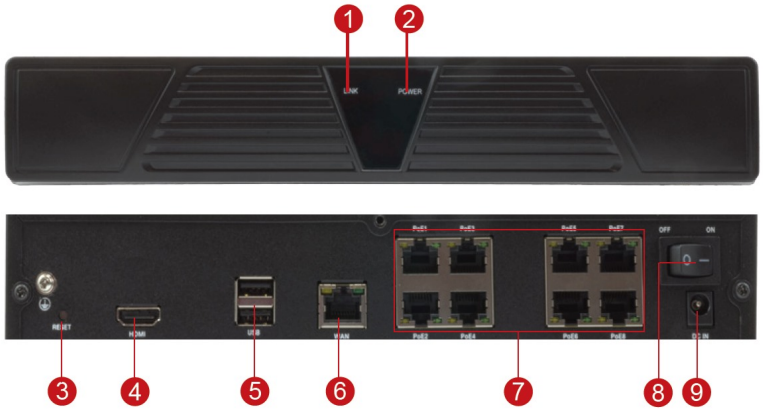
General

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 Class A, FCC Class A, UL (for built-in power adapter)
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

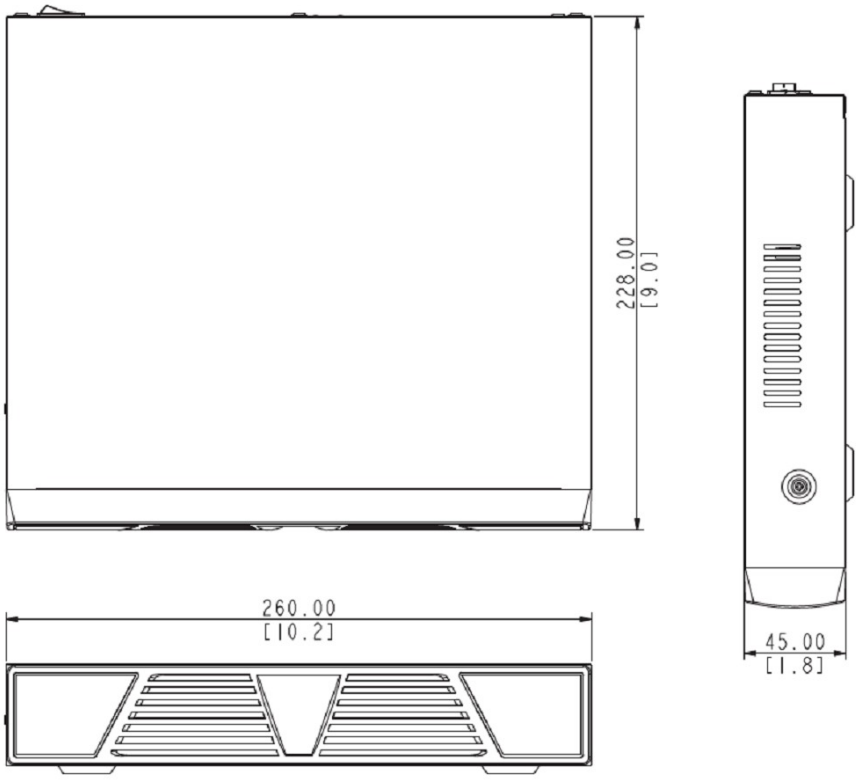
* The maximum supported local display resolution width is 2048 pixels, and the length is 2048 pixels, excluding some 4MP resolutions, such as 2560x1440.

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]

- For product and mounting accessory information, visit: www.acti.com/products and www.acti.com/mountingselector
- All specifications are subject to change without notice.

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

Network & Storage Peripherals - Extended Storage Device

PSTR-0405		2U 12-Bay NAS RAID Storage Device (for all ENR, GNR. INR, ZNR series)

Controllers - Joystick

PJSK-0100		Apem 100-550-BLK-RF Joystick for PTZ Control (for all ENR, INR, and MNR Series)

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