

Performance Series IP NVRs

4, 8 & 16 Channel PoE Embedded NVRs

Introducing Honeywell's Performance Series PoE Embedded NVRs, our newest affordable, fully featured NVRs. Choose a 4-, 8- or 16-channel NVR, with the ability to expand to up to 12 TB* of internal storage, for an ideal and flexible solution to fit your surveillance situation.

Fully-Featured NVRs

- High decoding capability for full HD viewing and recording.
- View up to 16 channels simultaneously on your monitor (depending on your model).
- Up to eight channels live view and play back at full frame rate 1080p resolution.
- Up to 16 channels recording at full frame rate 1080p, 3MP, 4MP or 5MP resolution at maximum 8Mbps per channel.

Easy to Use

- The Quick wizard and PoE support make setup fast and easy.
- Quick physical installation with the help of a simple NVR design and easy-to-understand quick installation guides.
- Simple remote configuration and firmware updating through the Honeywell Viewer web client and the Honeywell Config tool.

Convenient, Flexible Storage Options

- Internal storage supports two HDDs expandable up to 12 TB (6 TB each)*.
- Store video clips and snapshots to external storage such as the client's PC, through the Internet connection.
- Store video clips and snapshots to an external network storage server such as an FTP site.
- Store video clips and snapshots to a USB memory device.

Dynamic, Accessible Monitoring

- Monitor from anywhere using the mobile apps for both Apple® and Android™ devices (smartphones, tablet computers, and laptops).
- Password-protected access to the NVR's video and network setup.

Privacy Masking

- Conceal up to 4 areas of a scene from viewing and recording.

Market Opportunities

- The flexible storage options of the Performance Series IP Embedded NVRs make these NVRs perfect for a wide range of security applications.



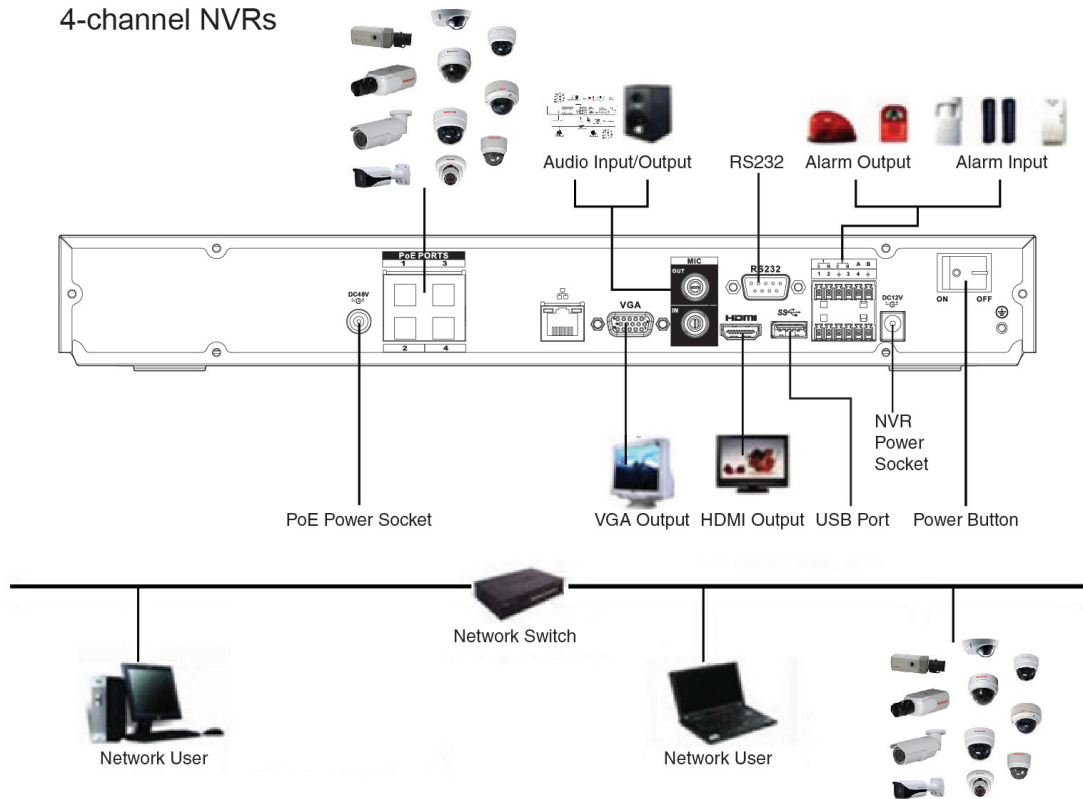
Contact customer support at 1.800.323.4576
to set up your MAXPRO Cloud account

FEATURES & BENEFITS

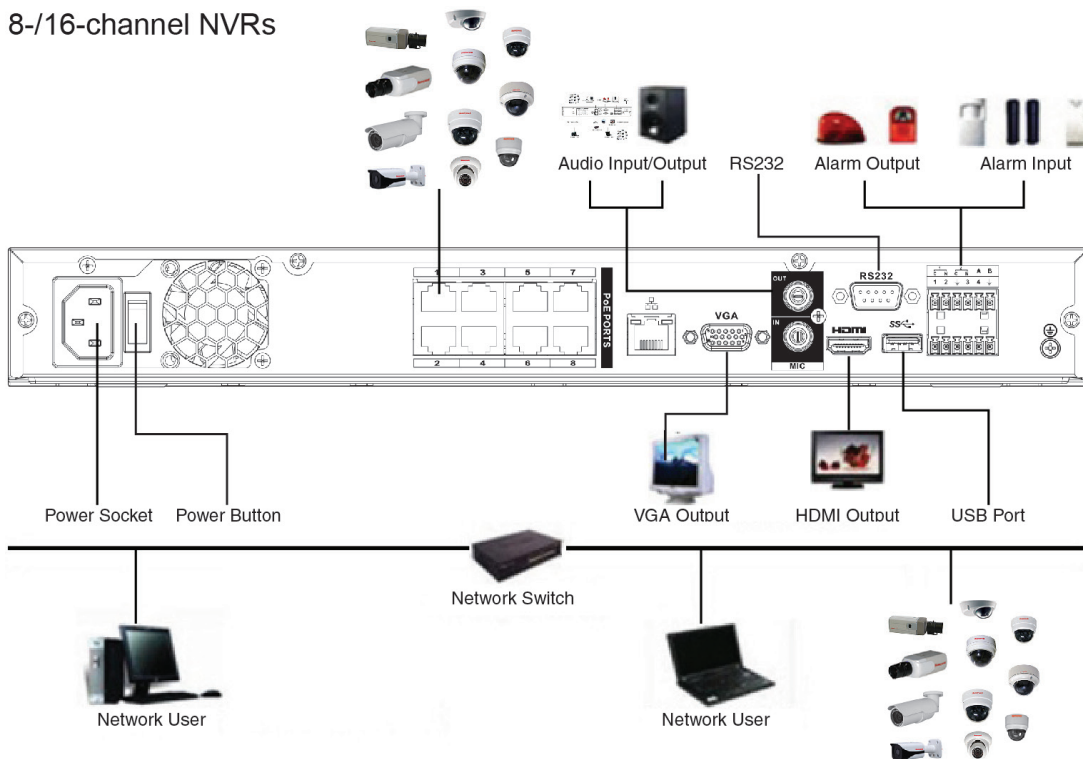
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| • H.264/MJPEG dual codec decoding | • UL listed | • Support uploading still images at the time of the event through email and/or FTP. | • Support visual or auditory notifications (a flash light, a bell or a siren) |
| • HDMI/VGA simultaneous video output | • Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering | • Support recording a video clip of the event for distribution | • See user guide for compatible HDD listings |
| • Supports up to 4 alarm input channels and 2 alarm relay output channels (model dependant) | • Support sending notifications through email, FTP and/or HTTP | | |

Performance Series IP NVRs

4-channel NVRs



8-/16-channel NVRs



Performance Series IP NVRs Technical Specifications

SYSTEM	
MAIN PROCESSOR	Dual-core embedded processor
OPERATING SYSTEM	Embedded LINUX
VIDEO	
IP CAMERA INPUTS	4/8/16 channels
BIDIRECTIONAL AUDIO	1 channel input; 1 channel output; RCA
DISPLAY	
INTERFACE	1 HDMI; 1 VGA
RESOLUTION	1920 x 1080; 1280 x 1024; 1280 x 720; 1024 x 768
DISPLAY SPLIT	4-channel NVRs: 1/4 8-channel NVRs: 1/4/8 16-channel NVRs: 1/4/8/9/16
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording
RECORDING	
COMPRESSION	H.264 / MJPEG
RESOLUTION	5MP (2560 x 1920); 4MP (2688 x 1520 and 2560 x 1440); 3MP (2304 x 1296 and 2048 x 1536); 1080p (1920 x 1080); 720p (1280 x 720); D1 (704 x 480); SXGA (800 x 600); 1.3MP (1280 x 1024)
RECORDING RATE	4-channel NVRs: 100/120 fps @ 1080p; 8-channel NVRs: 200/240 fps @ 1080p; 16-channel NVRs: 400/480 fps @ 1080p;
BIT RATE*	48 to 8192 Kbps
RECORDING MODE	Manual; Schedule (Regular [Continuous], Motion Detection, Alarm, Motion Detection+Alarm); Stop
RECORDING INTERVAL	1 to 120 minutes (default: 60 minutes); Pre-recording: 1 to 30 seconds.
VIDEO DETECTION AND ALARMS	
TRIGGER EVENTS	Recording; Tour; Alarm; Email; FTP; Buzzer; Screen Tips
VIDEO DETECTION	Motion Detection; Motion Detection Zones (396: 22 x 18); Video Loss and Camera Blank; Privacy Masking
ALARM INPUT	4 channels
RELAY OUTPUT	2 channels
PLAYBACK AND BACKUP	
SYNC PLAYBACK	4-channel NVRs: 1/4 8-channel NVRs: 1/4/8 16-channel NVRs: 1/4/8/16
SEARCH MODE	Time/Date; Alarm; Motion Detection; Exact Search (accurate to a second)
PLAYBACK FUNCTION	Play; Pause; Stop; Rewind; Fast play; Slow play; Full Screen; Backup
BACKUP MODE COMPATIBILITY	USB Device; Network

NETWORK	
OPERATING SYSTEM	Windows® XP; Windows Vista; Windows 7
CPU REQUIREMENTS	Pentium M 2.16 GHz or Intel Core 2 Duo 2 GHz
SYSTEM MEMORY	At least 2 GB
NETWORK CARD	RJ-45 (10/100 Base-T)
WEB BROWSER	Microsoft Internet Explorer 6.0 or later; Mozilla Firefox®
SUPPORTED PROTOCOLS**	HTTP; TCP/IP; IPv4/IPv6; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP filter; PPPoE; DDNS; FTP; Alarm server; IP search
MAXIMUM NUMBER OF USERS	20 users
SMART PHONE COMPATIBILITY	IOS; Android™
STORAGE	
INTERNAL STORAGE	2 SATA ports; up to 12 TB; RAID (redundancy)
CONNECTORS	
ETHERNET	1 x RJ-45 port (10/100/1000 Mbps)
POE	4-channel NVRs: 4 ports 8-channel NVRs: 8 ports 16-channel NVRs: 16 ports
USB	2 ports: USB 3.0 on rear panel; USB 2.0 on front panel
RS232	1 port, for PC communication
RS485	1 port
ELECTRICAL	
4-CHANNEL NVRs POWER SUPPLY	NVR: 12 V DC; 4 A external adaptor PoE: 48 V DC; 1.04 A external adaptor
8-/16-CHANNEL NVRs POWER SUPPLY	100 ~ 240 V AC; 50/60 Hz internal PSU
4-CHANNEL NVRs POWER CONSUMPTION	35 ~ 115 W depending on the number of HDD installed and PoE loading (maximum 393 Btu/hr)
8-/16-CHANNEL NVRs POWER CONSUMPTION	30 ~ 225 W depending on the number of HDD installed and PoE loading (maximum 768 Btu/hr)
ENVIRONMENTAL	
OPERATING TEMPERATURE	14°F to 131°F (-10°C to 55°C)
STORAGE TEMPERATURE	-4°F to 158°F (-20°C to 70°C)
HUMIDITY	10% to 90%
PHYSICAL	
DIMENSIONS	4-channel NVRs: 14.8 x 11.2 x 2.1 inches (375 x 285 x 53 mm) 8-/16-channel NVRs: 14.8 x 12.6 x 2.1 inches (375 x 320 x 53 mm)
WEIGHT (WITHOUT HDD)	4-channel NVRs: 4.41 pounds (2.0 kg) 8-/16-channel NVRs: 5.51 pounds (2.5 kg)
PHYSICAL	
EMISSIONS	FCC Part 15B, CE EN55022
IMMUNITY	CE EN50130-4
SAFETY	EU: EN60950-1 North America UL listed to UL/CSA 60950-1

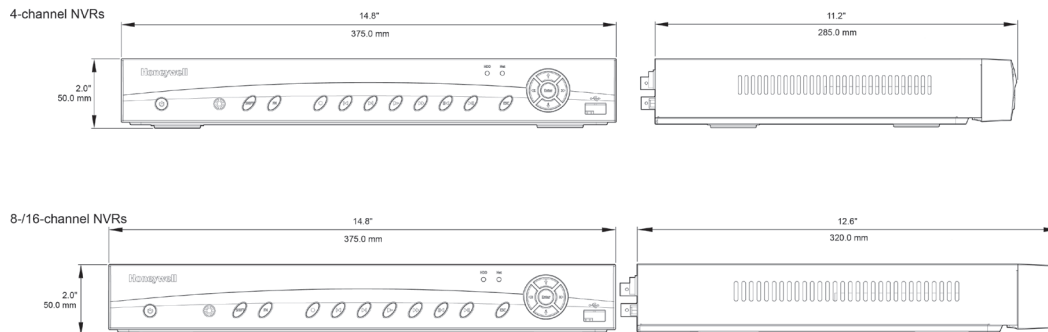
* Actual bitrate is scene and motion dependent with H.264 stream.

** Some development might be required in specific user cases to support some of these protocols in the field as they mature over time.

Performance Series IP NVRs Technical Specifications

SYSTEM INTEGRATION

ONVIF support and OPEN API for software integration. Refer to www.ONVIF.Org for the ONVIF specification and the HONEYWELL OPEN TECHNOLOGY ALLIANCE (<http://www.Security.Honeywell.Com/hota>) to learn more about our open and integrated solutions.



ORDERING

HEN04112	H.264 4CH NVR 1 TB, 4 PoE
HEN04122	H.264 4CH NVR 2 TB, 4 PoE
HEN08112	H.264 8CH NVR 1 TB, 8 PoE
HEN08122	H.264 8CH NVR 2 TB, 8 PoE
HEN08142	H.264 8CH NVR 4 TB, 8 PoE
HEN16122	H.264 16CH NVR 2 TB, 16 PoE
HEN16142	H.264 16CH NVR 4 TB, 16 PoE
HEN16162	H.264 16CH NVR 6 TB, 16 PoE

ORDERING

HEN04102	H.264 4CH NVR 4 PoE
HEN08102	H.264 8CH NVR 8 PoE
HEN16102	H.264 16CH NVR 16 PoE

For more information, please contact

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