Performance Series IP NVRs

4, 8 & 16 Channel PoE Embedded NVRs

Introducing Honeywell's Performance Series IP 1080p NVRs, our newest affordable, fully featured IP NVRs. Choose a 4, 8 or 16 channel NVR, with the ability to expands to up to 12 TB* 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 8 channels live view and play back at full frame rate 1080p resolution.
- Up to 16 channels recording at full frame rate 1080p , 3MP or 5MP resolution at a maximum of 8Mbps per channel.

Easy to Use

- The Quick wizard and full 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 Honeywell Viewer web client and the Honeywell Config tool.

Convenient, Flexible Storage Options

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

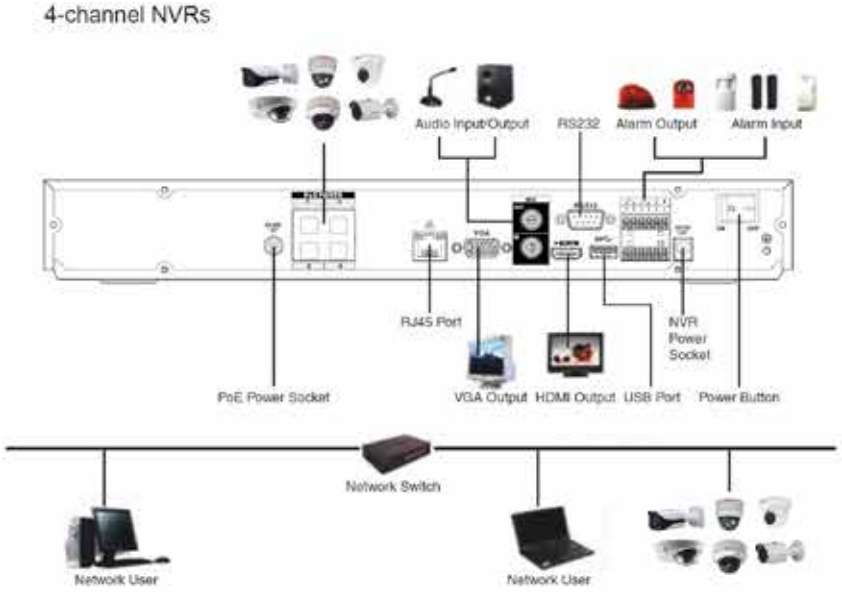
*See User Guide for compatible HDD listings.

FEATURES & BENEFITS

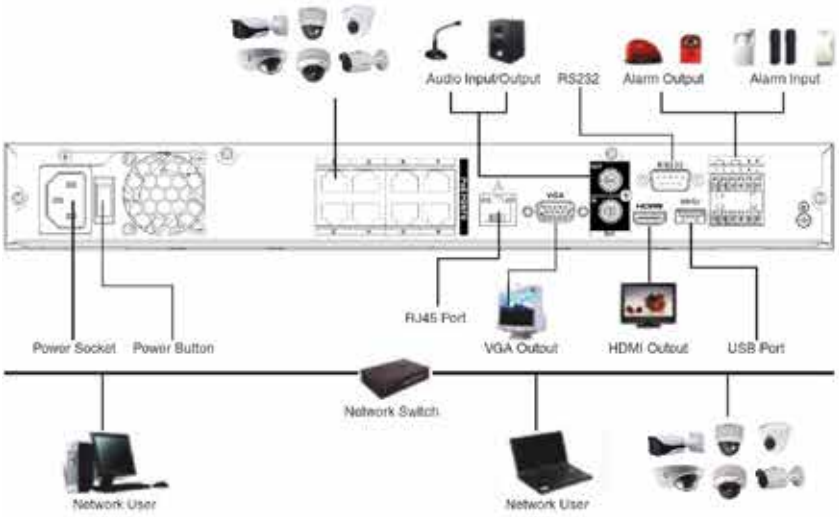
- H.264/MJPEG dual codec decoding
- HDMI/VGA simultaneous video output
- Supports up to 4 alarm input channels and 2 alarm relay output channels (model dependent)
- UL listed
- Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering.
- Supports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

Performance Series IP Features

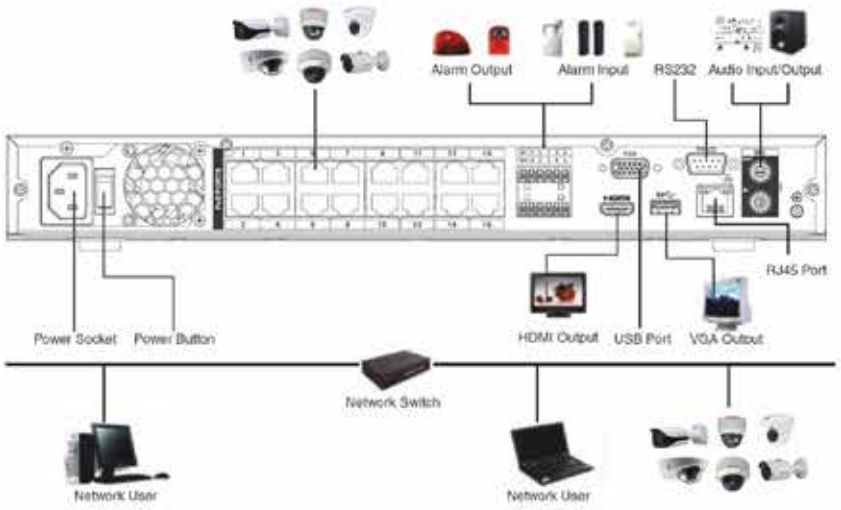
4-channel NVRs



8-channel NVRs



16-channel NVRs



Performance Series IP NVR specifications

SYSTEM	
Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX
VIDEO	
IP Camera Inputs	4/8/16 channels
Bi-directional Audio	1 channel input; 1 channel output; RCA
DISPLAY	
Interface	1 HDMI; 1 VGA
Resolution	1920 x 1080; 1280 x 1024; 1280 x 720; 1024x768
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); **3MP** (2304 x 1296 and 2048 x 1536); **1080p** (1920 x 1080); **720p** (1280 x 720); **D1** (704 x 480); **SXGA** (800 x 600); **1.3 MP** (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	IEEE802.3at / IEEE802.3af 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
RS485	1 port
ELECTRICAL	
4 Channel NVR Power Supply	NVR: 12 V DC; 4 A external adaptor PoE: 48 V DC; 1.04 A external adaptor
8/16 Channel NVR Power Supply	100 ~ 240 V AC; 50/60 Hz internal PSU
4 Channel NVR Power Consumption	35 ~ 115 W depending on the number of HDD installed and PoE loading (maximum 393 Btu/hr)
8/16 Channel NVR Power Consumption	30 ~ 225 W depending on the number of HDD installed and PoE loading (maximum 768 Btu/hr)
ENVIRONMENTAL	
Operating Temperature	-10°C to 55°C (14°F to 131°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%
PHYSICAL	
Dimensions	4-channel NVRs: 375 x 285 x 53 mm (14.8 x 11.2 x 2.1 inches) 8-/16-channel NVRs: 375 x 320 x 53 mm (14.8 x 12.6 x 2.1 inches)
Weight (without HDD)	4-channel NVRs: 2.0 Kg (4.41 pounds) 8-/16-channel NVRs: 2.5 Kg (5.51 pounds)
PHYSICAL	
Emissions	FCC Part 15B, CE EN55022
Immunity	CE EN50130-4
Safety	EU: EN60950-1 North America UL listed to UL/CSA 60950-1

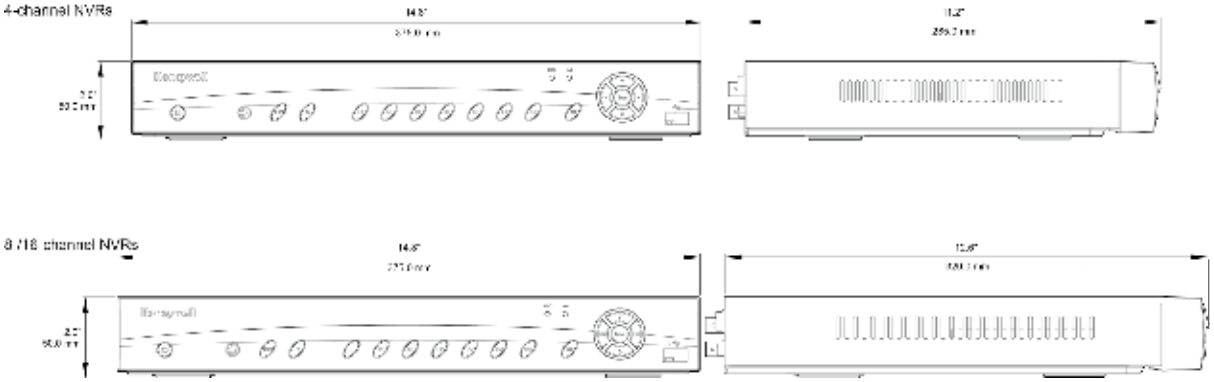
* Actual bitrate is scene and motion dependent with H.264 stream.
** Some development might be required in specific user cases to support some of these protocols in the field as they mature over time.

Performance Series IP System Integration

OPEN IP 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.

RECOMMENDED CAMERAS	
4-inch Rugged Minidome Cameras	H4D3PRV3; H4D3PRV2
Bullet Cameras	HBD2FR1(X); HBD2FR2(X); HBD2PR1(X) ; HBD1PR1; HBD3PR1; HBD3PR2
Eyeball / Micro Dome Cameras	H2S2P6(X) ; HED1PR3; HED3PR3

Dimensions



Ordering

MODEL NUMBER	DESCRIPTION
HEN04102	H.264 4CH NVR, no HDD, 4 PoE
HEN04112	H.264 4CH NVR 1 TB, 4 PoE
HEN04122	H.264 4CH NVR 2 TB, 4 PoE
HEN08102	H.264 8CH NVR, no HDD, 8 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
HEN16102	H.264 16CH NVR , no HDD, 16 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

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

For more information

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