

Performance Series IP NVRs

www.honeywellvideo.com

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 or 5MP resolution at maximum 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 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 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.

NVR Features

- 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 dependant)
- UL listed

*See User Guide for compatible HDD listings.



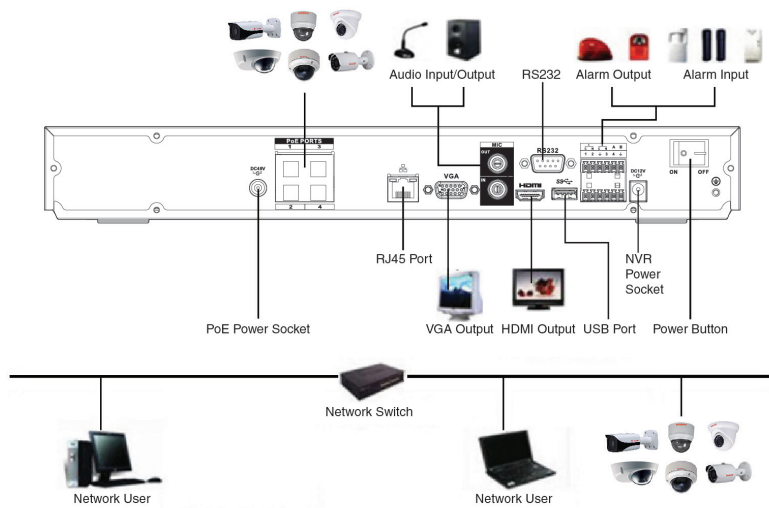
HD



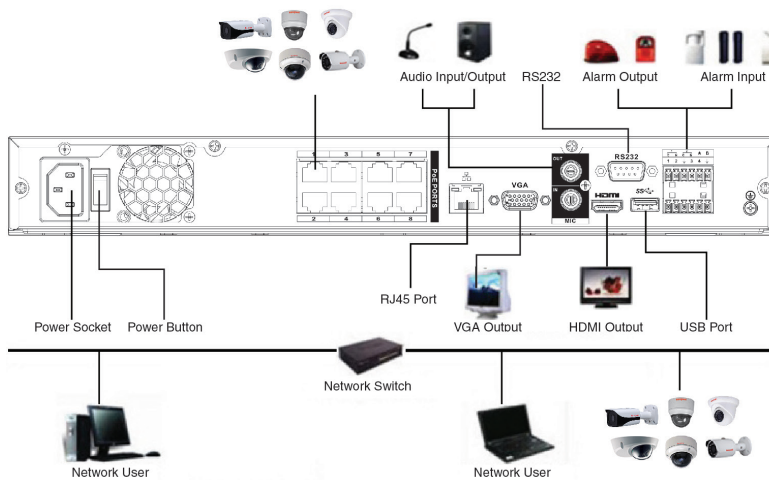
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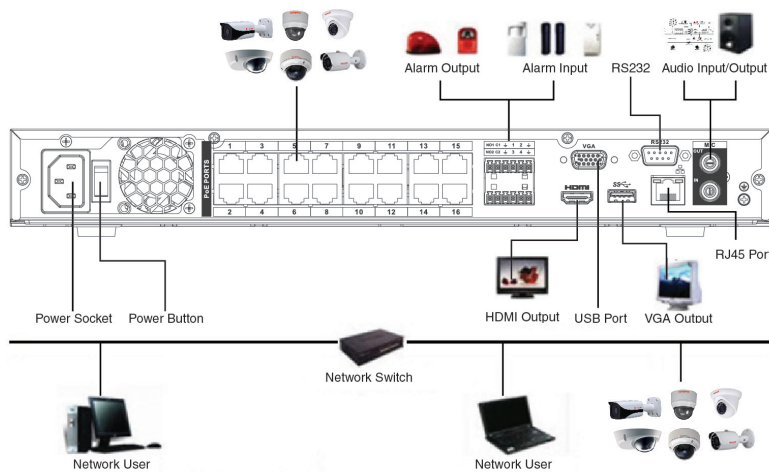
4-channel NVRs



8-channel NVRs



16-channel NVRs



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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; 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); 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®, Google Chrome |
| 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 (IEEE802.3af) 8-channel NVRs: 8 ports 16-channel NVRs: 16 ports (IEEE802.3at/af) |
| USB | 2 ports: USB 3.0 on rear panel; USB 2.0 on front panel |
| RS232 | 1 port, for PC communication and keyboard |
| RS485 | 1 port, for PTZ control (not supported at this time) |
| 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 PoE load (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 (2.1 kg) 8-/16-channel NVRs: 5.51 pounds (2.1 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.

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FEATURES

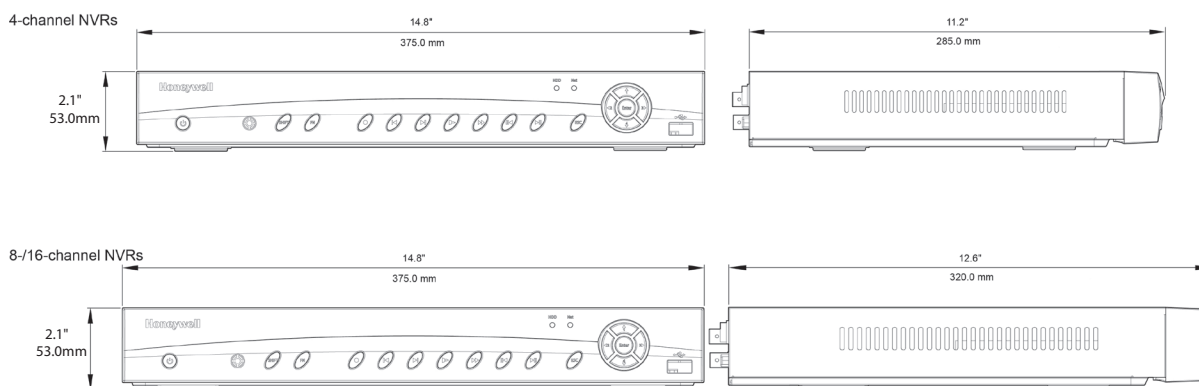
Immediately Detect and Respond to Events

The Performance Series IP NVR can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, a network failure and/or tampering. Automated responses include:

- Sending a notification through email, FTP and/or HTTP.
- Uploading still images at the time of the event through email and/or FTP.
- Recording a video clip of the event so it is ready to distribute to authorities.
- Enabling a visual or auditory notification (a flashing light, bell or siren).

| System Integration | | Recommended Cameras |
|---|---|--|
| 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. |  | 3-inch Indoor Mini Dome Cameras H3D2F1; H3D2S2; H3D2SR2; H3S1P1; H3W1F1; H3D1F1; H3D1F2; H3D1F3 |
| | | 4-inch Rugged Mini Dome Cameras H4D2F1; H4D2S2; H4S1P1; H4W1F1; H4D1F1; H4D1F2; H4D1F3; H4D1FR1, H4D3PRV3, H4D3PRV2 |
| | | Box Cameras HCD1F; HCD2F; HCW1F; HCW2S2 |
| | | Bullet Cameras HBD2FR1; HBD2FR2; HBD2PR1, HBD1PR1, HBD3PR1, HBD3PR2 |
| | | Eyeball / Micro Dome Cameras H2D2PR1; H2S1P6; H2S2P6, HED1PR3, HED3PR3 |

DIMENSIONS



ORDERING

| Model Number | Description |
|-----------------|-----------------------------|
| 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 |

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

For more information:

www.honeywellvideo.com

Automation and Control Solutions

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