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|  | CHANTIER Centre Universitaire des Quais - Lyon | | | | | |
| | FICHE ACCEPTATION MATERIAUX ET ECHANTILLONS | | | | | |
| Phase | Bâtiment | Lot | | Niveau | Numéro | Indice |
| EXE | Tous | 14 | CFO/Cfa | Tous | 33 | 0 |

Date : **27/08/2013**

Entreprise : **BOUYGUES ENERGIES&SERVICES** Signature :
 Nom : **G.LANDRÉ**

| | | | |
|-----------------------------|---|---------------------|--|
| Identification | Dénomination (Produit, matériel, équipement, matériaux) : Vidéosurveillance Type de proposition : Techniquement conforme <input checked="" type="checkbox"/> Variante technique <input type="checkbox"/> Proposition MOE <input type="checkbox"/> | | |
| Destination | IUT – PRES | Niveau | |
| | | Zone | |
| Fournisseur | ADI / HONEYWELL | | |
| Références | Enregistreur : Maxpro 16 voies 1To (HNM16XE1TOX) /8 voies 1To (HNM8XE1TOX) Caméra étanche : Dôme H4S1P1X Caméra intérieure : Dôme H3S1P1X | | |
| Caractéristiques techniques | Solution HONEYWELL (voir fiches techniques) | | |
| Polychromie | / | | |
| Prototype-Echantillon | Non | | |
| Pièces jointes | Fiches techniques | Nb de pages : 1 + 8 | |

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| Retour Bureau de Contrôle | | <input type="checkbox"/> |
| Etat d'approbation : | Accord <input type="checkbox"/> Refus <input type="checkbox"/> Observations <input type="checkbox"/> (1) | |
| Commentaires : | | |
| Date du visa : | Nom : | Signature : |

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| Retour Maîtrise d'Oeuvre | | <input type="checkbox"/> |
| Etat d'approbation : | Accord <input type="checkbox"/> Refus <input type="checkbox"/> Observations <input type="checkbox"/> Hors mission <input type="checkbox"/> (1) | |
| Commentaires : | | |
| Date du visa : | Nom : | Signature : |

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| Retour Maîtrise d'Ouvrage | | <input type="checkbox"/> |
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H3S1P1X

PERFORMANCE SERIES 720P VFAI LENS DAY/NIGHT H.264 INDOOR FIXED MINIDOME IP CAMERA

Honeywell's latest addition to the Performance Series of IP-based products, the H3S1P1X is a 720p resolution, Day/Night indoor fixed minidome network camera engineered to provide extremely crisp images at minimal bandwidth. The H3S1P1X provides 720p resolution at full frame rate. Progressive scan technology and 2D edge enhancement provide outstanding clarity and definition. Digital Noise Reduction results in significant storage savings without sacrificing image quality in low light. The 1/4" progressive scan CMOS sensor offers the latest in digital video surveillance technology with accurate colour rendition under a wide variety of lighting conditions. The H3S1P1X also supports the ONVIF specification for interoperability between network video products.

The compact, one piece design provides fast and easy installation in any application. The camera comes complete for surface mounting and an optional wall/pendant mount kit is available.

A 3-D axis gimbal capable of 360° of pan, 180° of tilt and 360° of horizontal rotation simplifies mechanical camera adjustment. The Vari-focal Auto Iris lens allows the field of view to be adjusted to suit the scene requirements.

A powerful and intuitive web client allows fine tuning of the camera and the auto iris levels. This can also be performed from most NVR setup utilities.

The H3S1P1X supports dual video streams and multiple compression formats with rates up to 25 frames per second (30 fps for NTSC systems). The compression parameters for the two video streams are independently configurable. The primary stream is dedicated to H.264. The secondary stream can be configured for H.264 or MJPEG. The H3S1P1X features analogue video out for aiming and focusing during setup.

With built-in low current Power over Ethernet (IEEE 802.3af), power is supplied to the camera using standard network cabling, eliminating the need for a separate power supply and associated wiring. In situations where PoE support does not exist, the unit can also be powered directly from 24V AC.

Market Opportunities

The H3S1P1X is perfect for installations where excellent picture clarity at minimal bandwidth is required. At three times the resolution of standard analogue cameras, yet with similar bandwidth requirements, the H3S1P1X can be retrofitted on many existing DVR/NVR installations without requiring additional storage.

Features

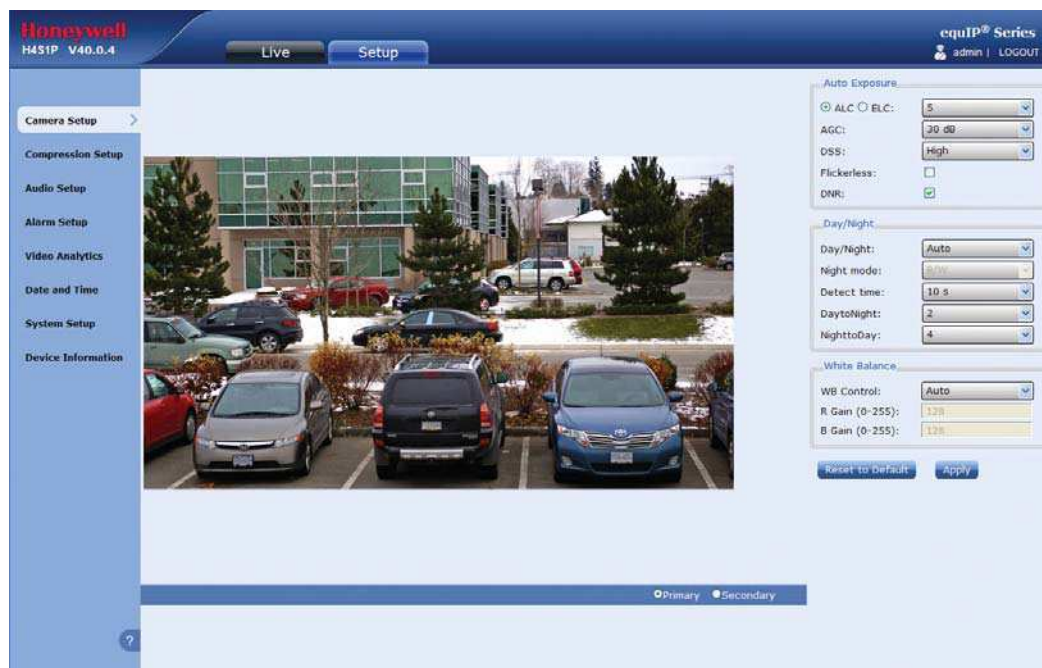
- Outstanding image quality, 720p (1280 x 720) resolution
- 25 fps (30 fps NTSC) progressive scan
- Day/Night, 3.3-12 mm VFAI lens
- Camera tamper detection
- Video motion detection
- NTP time synchronisation support
- ONVIF support
- Simultaneous dual video streams, independently configurable, H.264 and/or H.264/MJPEG
- Remote firmware updates
- Supports both dynamic and static IP address assignment
- Date/time stamp embedded into video stream
- Multiple browser support
- Includes advanced IP locator software to make system setup easy
- Web server for remote setup of camera video and network parameters
- Choice of 24 V AC or PoE IEEE 802.3af power inputs
- Wall/pendant mount kit available



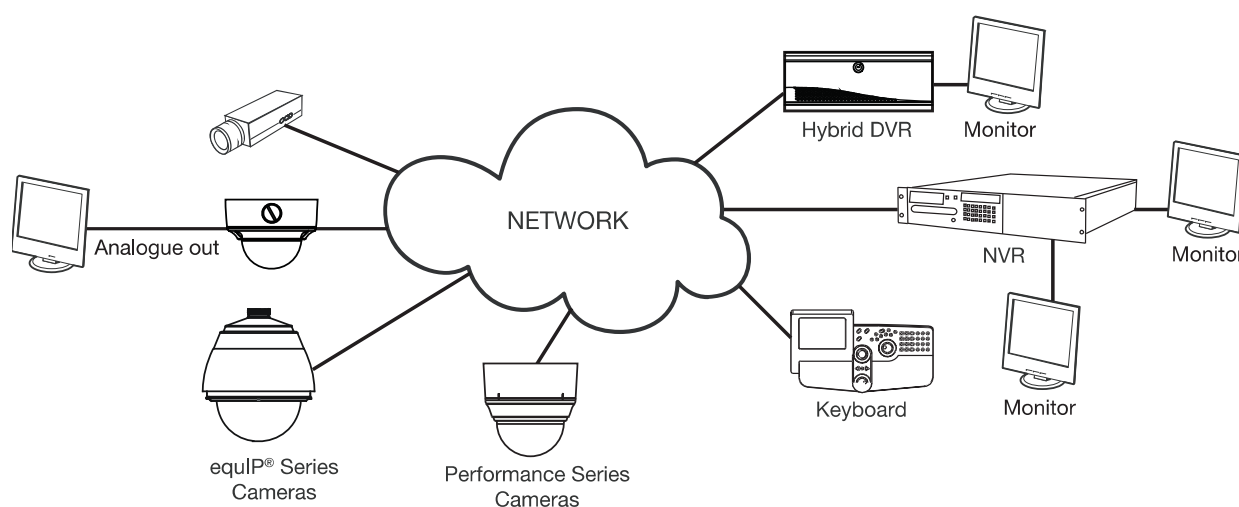
H3S1P1X

SPECIFICATIONS

Like all cameras in the Performance Series, the H3S1P1X network camera uses Honeywell technology for video motion detection, tamper detection, remote firmware updating and for secure storage of all camera settings. Video motion detection recognises object motion within the field of view, then a simple on-screen notification alerts the user. Camera tamper detection notifies the user when a camera's field of view is altered, blinded, or blurred. This ensures the video's integrity and alerts the customer to either a live event or a system problem that is causing disruption to the video stream. Honeywell's technology also allows users to remotely upload firmware to the camera. Setup is quick and easy and can be customised through a web client or from an NVR or DVR. The built-in web server provides password-protected access to the camera's video and network setup.



SYSTEM DIAGRAM



H3S1P1X

SPECIFICATIONS

| Operational | |
|------------------------------|---|
| Video Standard | PAL/NTSC |
| Scanning System | Progressive scan |
| Image Sensor | 1/4" CMOS |
| Number of Pixels (H x V) | 1280 x 720 |
| Minimum Illumination | 0.19 lux @ 50 IRE, F1.4, 0.08 lux @ 30 IRE, F1.4 |
| Automatic Lens Control | DC Iris Level 1-25 |
| Video Output (Aux) | 1.0 Vp-p @ 75 ohms |
| S/N Ratio | 50 dB or more (AGC off) |
| Auto Gain Control | Off/On, selectable (10-40 dB) |
| Automatic Electronic Shutter | 1/60-1/24,500 sec (NTSC) 1/50-1/24,500 sec (PAL) |
| Lens Type | 3.3-12 mm Vari-focal Auto Iris, F1.4 |
| White Balance | AWC, AWC Push, Manual |
| Electrical | |
| Input Voltage | 24V AC, PoE IEEE 802.3af |
| Input Range | 17-28V AC |
| Surge Suppression | 1.5 kW transient |
| Power Consumption | 3.5 W (max) 24V AC PoE: PD Type 1 Class 1 |
| Mechanical | |
| Dimensions (W x H) | 125.1 mm x 124.2 mm |
| Weight | 0.448 kg camera only |
| Construction | Housing: Polycarbonate Finish: Matt texture, off-white |
| Connector | Video Output (AUX): 2-pin Molex connector Power Input: Removable screw block Network: RJ45 connector |

| Environmental | | | |
|--|--|--|--|
| Temperature | Operating: -10°C to 50°C Storage: -40°C to 70°C | | |
| Relative Humidity | 0% to 85%, non-condensing | | |
| IP Specifications | | | |
| Video Compression | Dual stream H.264 and MJPEG | | |
| Primary Stream Resolution 1280 x 720 800 x 450 640 x 360 320 x 180 | H.264 Bitrate (Typical)* 1.8 Mbps 1.2 Mbps 0.6 Mbps 0.21 Mbps | Frame Rate 25/30 25/30 25/30 25/30 | Storage/Day (GB) 18.98 12.65 6.33 0.89 |
| Frame Rate PAL/NTSC | Up to 25/30 fps video in all resolutions | | |
| Video Streaming | Dual streaming: H.264 and MJPEG Controllable frame rate and bandwidth Constant or variable bit rate | | |
| Security | Multiple user access levels with password protection | | |
| Video Access from Web Browser | Full control of all camera settings available to administrator | | |
| Minimum Web Browsing Requirements | Pentium IV CPU 3.1 GHz or faster 1 GB RAM (32-bit) or 2 GB RAM (64-bit) Windows XP® SP3, Windows 2003 Server R2 (32-bit), Windows 7 (32-/64-bit), Windows Vista SP1, Windows 2008 R2 (64-bit) Internet Explorer 8 or 9 Mozilla Firefox® and Google Chrome | | |
| Installation and Management Maintenance | Honeywell IP Utility software identifies the IP address, checks status of device, firmware upgrades over HTTP | | |
| Supported Protocols | HTTP, TCP, RTSP, RTP, UDP, ARP, NTP, DNS, RTCP, FTP, ICMP, DHCP, Bonjour, IGMP, SSH | | |
| Standards | ONVIF support | | |
| Regulatory | | | |
| Emissions | FCC part 15B, CE (EN55022) | | |
| Immunity | CE (EN50130-4) | | |
| Safety | EU: EN60950-1 | | |

*Actual bitrate is scene and motion dependent.

H3S1P1X

SPECIFICATIONS

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 (www.honeywell.com/security/hota) to learn more about our open and integrated solutions.

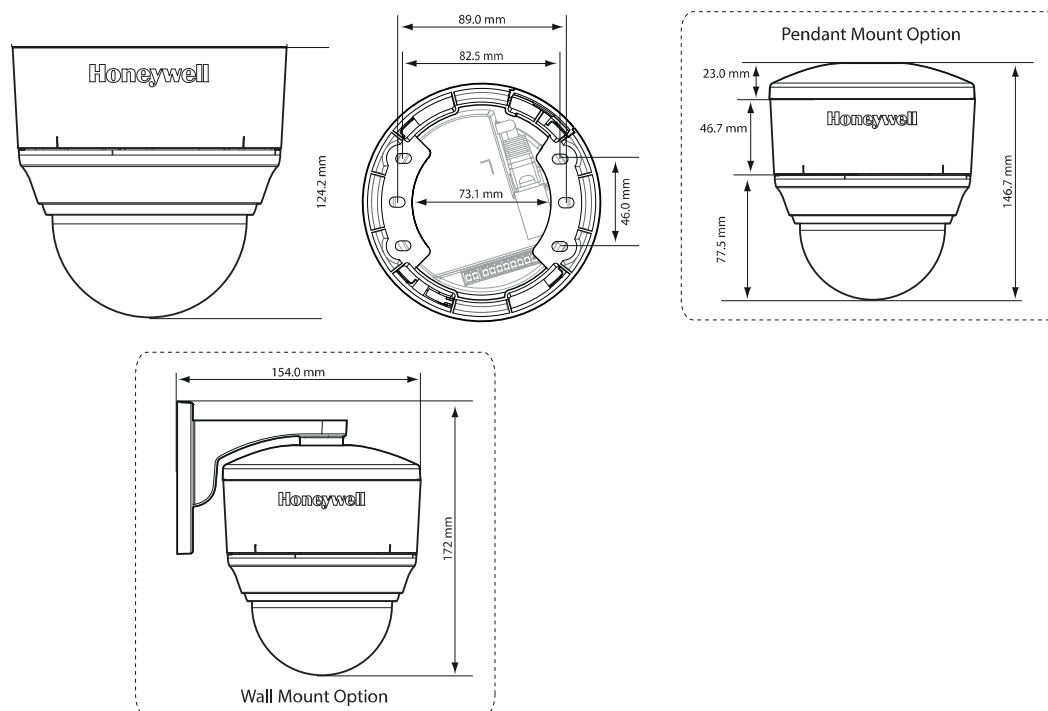
Accessories

Housing and Mounts

HD3-MK1

Wall/Pendant Mount Kit, Off-White

H3S1P1X Dimensions



Ordering

H3S1P1X

Network Day/Night Fixed Minidome camera, 1/4" Progressive Scan, CMOS, 720p Resolution, 3.3-12 mm VFAI, Lens 24V AC or PoE IEEE 802.3af, H.264, PAL

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



For additional information,

please visit www.honeywell.com/security/uk

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Honeywell

H4S1P1X

PERFORMANCE SERIES 720P VFAI LENS DAY/NIGHT H.264 RUGGED INDOOR/OUTDOOR FIXED MINIDOME IP CAMERA

Honeywell's latest addition to the Performance Series of IP-based products, the H4S1P1X is a 720p resolution, Day/Night rugged indoor/outdoor fixed minidome network camera engineered to provide extremely crisp images at minimal bandwidth. The H4S1P1X provides 720p resolution at full frame rate. Progressive scan technology and 2D edge enhancement provide outstanding clarity and definition. Digital Noise Reduction results in significant storage savings without sacrificing image quality in low light. The 1/4" progressive scan CMOS sensor offers the latest in digital video surveillance technology with accurate colour rendition under a wide variety of lighting conditions. The H4S1P1X also supports the ONVIF specification for interoperability between network video products.

The H4S1P1X integrates a camera and lens in an ultra compact, single piece, vandal-resistant unit for fast and easy installation in any application. The camera is designed to be surface mounted. Wall and pendant mount kits are also available.

A 3-D axis gimbal capable of 360° of pan, 180° of tilt and 360° of horizontal rotation simplifies mechanical camera adjustment. The Vari-focal Auto Iris lens allows the field of view to be adjusted to suit the scene requirements.

A powerful and intuitive web client allows fine tuning of the camera and the auto iris levels.

The H4S1P1X supports dual video streams and multiple compression formats with rates up to 25 frames per second (30 fps for NTSC systems). The compression parameters for the two video streams are independently configurable. The primary stream is dedicated to H.264. The secondary stream can be configured for H.264 or MJPEG. The H4S1P1X features analogue video out for aiming and focusing during setup.

With built-in low current Power over Ethernet (IEEE 802.3af), power is supplied to the camera using standard network cabling, eliminating the need for a separate power supply and associated wiring. In situations where PoE support does not exist, the unit can also be powered directly from 24V AC.

Market Opportunities

The H4S1P1X is perfect for installations where excellent picture clarity at minimal bandwidth is required. At three times the resolution of standard analogue cameras, yet with similar bandwidth requirements, the H4S1P1X can be retrofitted on many existing DVR/NVR installations without requiring additional storage. Its discreet, vandal-resistant, outdoor design is impact resistant and offers maximum protection against dust, dirt, and water. This provides optimum performance for both indoor and outdoor applications.

Key Benefits

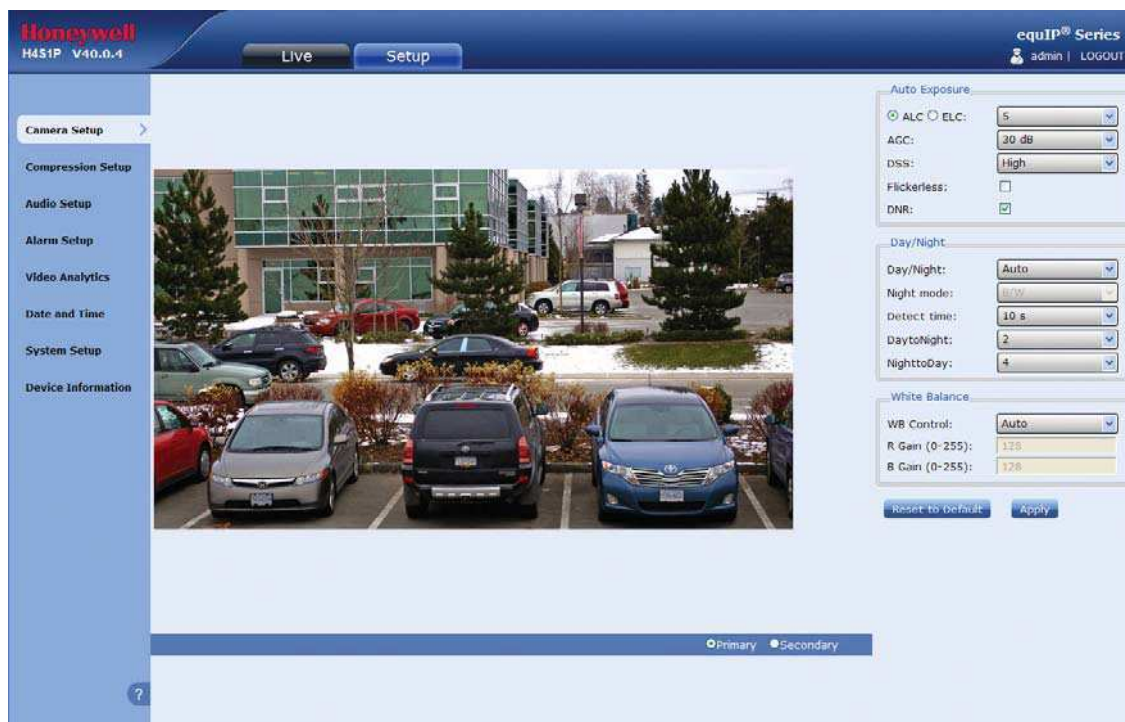
- Outstanding image quality, 720p (1280 x 720) resolution
- 25 fps (30 fps NTSC) progressive scan
- Day/Night, 3.3-12 mm VFAI lens
- Camera tamper detection
- NTP time synchronisation support
- Video motion detection
- ONVIF support
- Dual video streams, independently configurable, H.264 and/or H.264/MJPEG
- Remote firmware updates
- Supports both dynamic and static IP address assignment
- Date/time stamp embedded into video stream
- Multiple browser support
- Single model for surface mount applications
- Includes advanced IP locator software to make system setup easy
- Web server for remote setup of camera video and network parameters
- Choice of 24V AC or PoE IEEE 802.3af power inputs
- Rugged polycarbonate dome
- Wall and pendant mount kits available



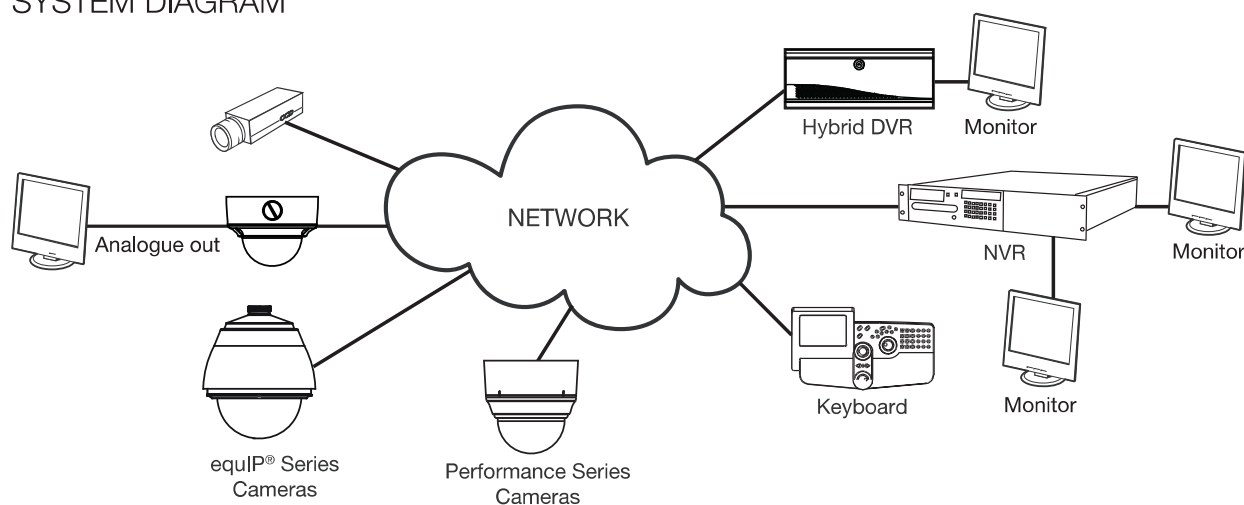
H4S1P1X

SPECIFICATIONS

Like all cameras in the Performance Series, the H4S1P1X network camera uses Honeywell technology for camera video motion detection, tamper detection, remote firmware updating and for secure storage of all camera settings. Video motion detection recognises object motion within the field of view; then a simple on-screen notification alerts the user. Camera tamper detection notifies the user when a camera's field of view is altered, blinded, or blurred. This ensures the video's integrity and alerts the customer to either a live event or a system problem that is causing disruption to the video stream. Honeywell's technology also allows users to remotely upload firmware to the camera. Setup is quick and easy and can be customised through a web client or from an NVR or DVR. The built-in web server provides password-protected access to the camera's video and network setup.



SYSTEM DIAGRAM



H4S1P1X

SPECIFICATIONS

| Operational | |
|------------------------------|--|
| Video Standard | PAL/NTSC |
| Scanning System | Progressive scan |
| Image Sensor | 1/4" CMOS |
| Number of Pixels (H x V) | 1280 x 720 |
| Minimum Illumination | 0.19 lux @ 50 IRE, F1.4, 0.08 lux @ 30 IRE, F1.4 |
| Automatic Lens Control | DC Iris Level 1-25 |
| Video Output (Aux) | 1.0 Vp-p @ 75 ohms |
| S/N Ratio | 50 dB or more (AGC off) |
| Auto Gain Control | Off/On, selectable (10-40 dB) |
| Automatic Electronic Shutter | 1/50-1/24,500 sec (PAL) 1/60-1/24,500 sec (NTSC) |
| Lens Type | 3,3-12 mm Vari-focal Auto Iris, F1.4 |
| White Balance | AWC, AWC Push, Manual |
| Electrical | |
| Input Voltage | 24V AC, PoE IEEE 802.3af |
| Input Range | 17-28V AC |
| Surge Suppression | 1.5 kW transient |
| Power Consumption | 3.5 W (max) 24V AC PoE: PD Type 1 Class 1 |
| Mechanical | |
| Dimensions (W x H) | 154.9 mm x 117.1 mm |
| Weight | 1.3 kg camera only |
| Construction | Housing: Die cast Aluminium Finish: Cool Grey Powder Coat Dome: Polycarbonate |
| Connector | Video Output (AUX): 2-pin Molex connector Power Input: Removable screw block Network: RJ45 connector |

| Environmental | | | |
|---|--|------------|------------------|
| Temperature | Operating: -20°C to 50°C Storage: -40°C to 70°C | | |
| Relative Humidity | 0% to 85%, non-condensing | | |
| Rating | IP66 | | |
| IP Specifications | | | |
| Video Compression | Dual stream H.264 and MJPEG | | |
| Primary Stream Resolution | H.264 Bitrate (Typical)* | Frame Rate | Storage/Day (GB) |
| 1280 x 720 | 1.8 Mbps | 25/30 | 18.98 |
| 800 x 450 | 1.2 Mbps | 25/30 | 12.65 |
| 640 x 360 | 0.6 Mbps | 25/30 | 6.33 |
| 320 x 180 | 0.21 Mbps | 25/30 | 0.89 |
| Frame Rate PAL/NTSC | Up to 25/30 fps video in all resolutions | | |
| Video Streaming | Dual streaming: H.264 and MJPEG Controllable frame rate and bandwidth Constant or variable bit rate | | |
| Security | Multiple user access levels with password protection | | |
| Video Access from Web Browser | Full control of all camera settings available to administrator | | |
| Minimum Web Browsing Requirements | Pentium IV CPU 3.1 GHz or faster, 1 GB RAM (32-bit) or 2 GB RAM (64-bit), Windows® XP SP3, Windows 2003 Server R2 (32-bit), Windows 7 (32-/64-bit), Windows 2008 Server (32-/64-bit), Windows Vista SP1, Windows 2008 R2 (64-bit), Internet Explorer 8 or 9 Mozilla Firefox® and Google Chrome | | |
| Installation and Management Maintenance | Honeywell IP Utility software identifies the IP address, checks status of device, firmware upgrades over HTTP | | |
| Supported Protocols | HTTP, TCP, RTSP, RTP, UDP, ARP, DNS, NTP, RTCP, FTP, ICMP, DHCP, Bonjour, IGMP, SSH | | |
| Standards | ONVIF support | | |
| Regulatory | | | |
| Emissions | FCC part 15B, CE (EN55022) | | |
| Immunity | CE (EN50130-4) | | |
| Safety | EU: EN60950-1 | | |

*Actual bitrate is scene and motion dependent.

H4S1P1X

SPECIFICATIONS

System Integration

Open IP Integration

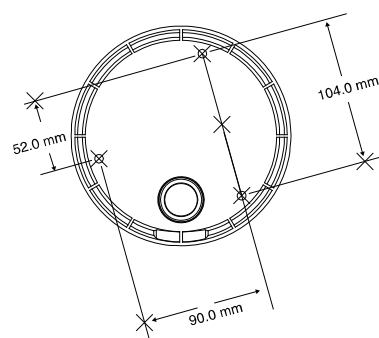
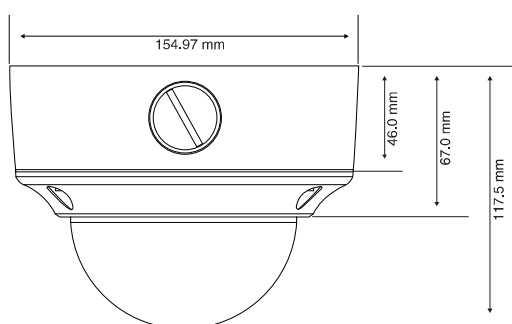
ONVIF support and open API for software integration. Refer to www.onvif.org for the ONVIF specification and the Honeywell Open Technology Alliance (www.honeywell.com/security/hota) to learn more about our open and integrated solutions.

Accessories

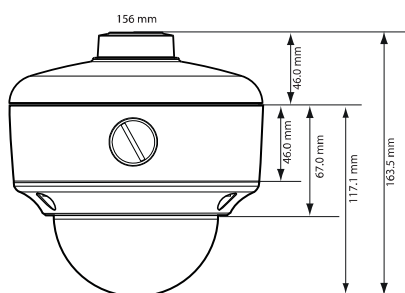
Housing and Mounts

| | |
|------------|-----------------------|
| HD4CHIP-PK | Pendant Mount Bracket |
| HD4CHIP-WK | Wall Mount Bracket |

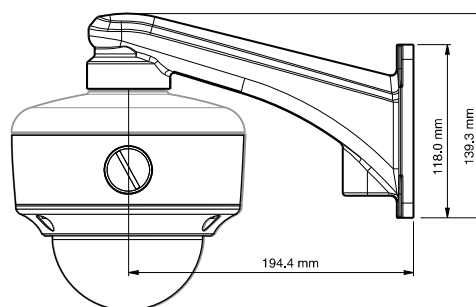
H4S1P1X Dimensions



HD4CHIP-PK Pendant Mount



HD4CHIP-WK Wall Mount



Ordering

| | |
|---------|--|
| H4S1P1X | Network, Day/Night Rugged Fixed Minidome Camera, 1/4" Progressive Scan, CMOS, 720p Resolution, 3.3-12 mm VFAI lens, 24V AC or PoE IEEE 802.3af, H.264, PAL |
|---------|--|

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



For additional information,

please visit www.honeywell.com/security/uk

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Honeywell

MAXPRO® NVR XE (Xpress Edition)

www.honeywellvideo.com

8-CHANNEL ENTRY LEVEL NETWORK VIDEO RECORDER (NVR)

Honeywell's MAXPRO® NVR XE is an ideal solution for entry into IP video surveillance systems. MAXPRO NVR XE utilizes Honeywell's HD cameras to offer a powerful high definition IP recording and security monitoring system for small installations. MAXPRO NVR XE has an open platform with broad integration with third party IP cameras and encoders. MAXPRO NVR XE offers the advantage of HD quality IP video but is as easy as a DVR to setup and operate for a seamless transition from analog to IP.

MAXPRO NVR XE is an open platform and supports broad third party device integrations with support for standards—PSIA and ONVIF (including Profile-S devices), real time streaming protocol (RTSP) standard and native device integrations including new 360° camera support. MAXPRO NVR XE provides easy to use desktop clients and mobile apps—MAXPRO® Mobile.

MAXPRO NVR XE comes pre-installed with all required software and is also pre-licensed for 8 channels allowing up to 8 cameras to be added anytime later as your system grows. This, along with an easy 3-Click wizard to live video for auto configuration, makes installing an IP system quick and efficient without requiring any IT expertise. Simple and logical configuration pages make setup a breeze even for the novice installer.

The MAXPRO NVR XE user interface is based on Honeywell's flagship MAXPRO® VMS user interface which offers a feature rich user experience and is common across the MAXPRO NVR Family. Utilization of this familiar interface allows for the "Learn One, Know Them All" concept that ensures familiarity across a broad range of Honeywell products saving training costs.

MAXPRO NVR XE supports simultaneous recording, live monitoring search and system management for up to 8 IP cameras including high definition formats. Multiple MAXPRO NVRs can be deployed for system expansion using a distributed architecture and integrated with the MAXPRO® Viewer multi-site software or MAXPRO® VMS enterprise video management system.

MAXPRO NVR XE utilizes powerful processor and memory technology supporting multiple simultaneous operations such as alarm monitoring, video recording and video viewing. On the local unit, 4 cameras can be viewed at a time (2x2 salvo), without the need for an additional workstation. There is also the option of remote monitoring, which supports viewing of all 8 cameras at a time—and a variety of salvo layouts. End users can view live video while simultaneously performing searches.

MAXPRO NVR XE also offers advanced features useful to entry level customers. Honeywell's patented Video Surround feature provides the ability to track subjects of interest as they move between areas covered by adjacent cameras by simply double-clicking on the panel where the subject is currently visible. Features such as the powerful calendar, preview search options and film strip view allow for rapidly searching video for scenes of interest and then quick export method transfers video to an authenticated video clip playable through Windows Media player.

Market Opportunities

The continual growth of cost-effective IP networks and the demand for HD video offered by IP cameras have led to the need for entry level IP surveillance solutions. This has resulted in a strong demand for an all-IP end-to-end security system deployment. MAXPRO NVR XE provides an easy entry into IP-based systems and the operational power to address the needs of a wide variety of applications including healthcare clinics, small commercial and retail, property management and many other applications. When the need is for an easy to install, simple to use, and feature rich entry level network video recorder, the solution is MAXPRO NVR XE.

Key Benefits

- As easy to install and operate as a DVR—no IT expertise required
- Reduced security threats with HD quality video
- Quick to install—3-Clicks to Live Video
- Local display of 4 cameras at one time (2x2 salvo)—no PC needed
- Open—support for PSIA, ONVIF, RTSP standards and native device integrations
- Low cable cost—no homeruns of cable from camera to unit



3-Clicks to Live Video



MAXPRO® NVR XE (Xpress Edition)

www.honeywellvideo.com

FEATURES

Software

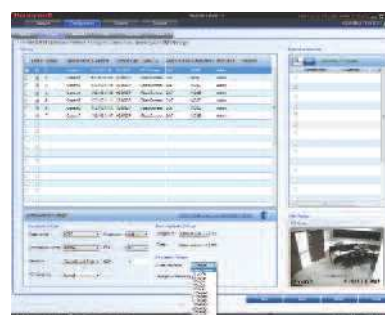
- MAXPRO NVR XE allows local or remote operations including live and recorded video monitoring, configuration and system management in a single desktop client interface.
- Support for mobile monitoring clients with MAXPRO Mobile apps.
- Broad device integrations: Honeywell cameras and encoders, third party devices with support for standards—PSIA and ONVIF (including Profile-S devices), RTSP standard and native device integration including new 360° camera support.
- Feature-rich, user-friendly Windows based interface to view HD video and configure system settings.
- Easy 3-click wizard to set up the system with auto-configuration and auto-discovery of IP cameras, recording and monitoring configuration—without any IP video expertise.
- Multi-zoom views on HD video. Example: Zoom in on a cash register in one view of the HD camera while at the same time monitoring the cash operator in the zoom out view of the HD camera.
- Ability to investigate events and alarms by simultaneously viewing alarm videos at various stages. For every alarm, users can view the video captured during pre-alarm, on-alarm, and post-alarm, and also view live video from the camera which triggered the alarm.
- Enriched video viewing experience through the intuitive video rendering engine that optimizes CPU utilization by altering the video frame rate.
- Honeywell's patented Video Surround feature simplifies the process of tracking subjects through a set of surrounding cameras.
- Create, save and name salvos under My Salvos or Shared Salvos.
- IP PTZ control and digital zoom on fixed cameras. 360° immersive viewing experience providing heightened situational awareness and increased video surveillance coverage.
- Fast search by date/time, time line, time jump, bookmarks, calendar, preview, film strip view and events. Increase productivity with more efficient search/investigation: Get to the relevant video in few clicks without having to review hours of recordings.
- Event history and operator log reporting with export in .pdf, Crystal Reports, Excel or Word.
- Capture and export clips and still images in simple .wmv and .bmp formats.
- Clips signed with digital signature for authentication.
- Supports multiple client connection to NVR Server.
- Separate event video and general recorded video retention times.
- Email notification on camera, system and operator events.
- Role-based operator privileges supporting Windows and local users.
- Flexible Motion detection (VMD) options with Server (Smart VMD) or Camera based motion events support. Reduced false alarms with object based motion detection analytics with Smart VMD.
- Keyboard control with UltraKey Plus and UltraKey Lite over Ethernet.
- Local and multi-language support.
- Multi-site support with MAXPRO Viewer.
- Integration with MAXPRO VMS.
- Integration with WIN-PAK® and Pro-Watch® Access Control Systems.

Hardware

- Each unit records and monitors up to 8 cameras at 240 fps @ 4CIF/VGA or 80 fps @ 720p HD or 80 fps @ 1080p HD. Monitoring of 1080p and higher resolution cameras is only supported on remote clients. Network bandwidth/throughput supported per NVR with Incoming: 25 Mbps, Outgoing: 30 Mbps providing a Total: 55 Mbps.
- Includes a VGA output for local monitor providing access to monitoring and configuration interface (supports HD resolution)
- Supports displaying 4 cameras at one time on the NVR local monitor
- Internal storage capacity of 1 TB – Video rated HDD
- DVD R/W drive for burning evidence clips
- Small desktop type footprint suitable for small spaces



6 Split (supported on remote clients only)



Event Record



Preview

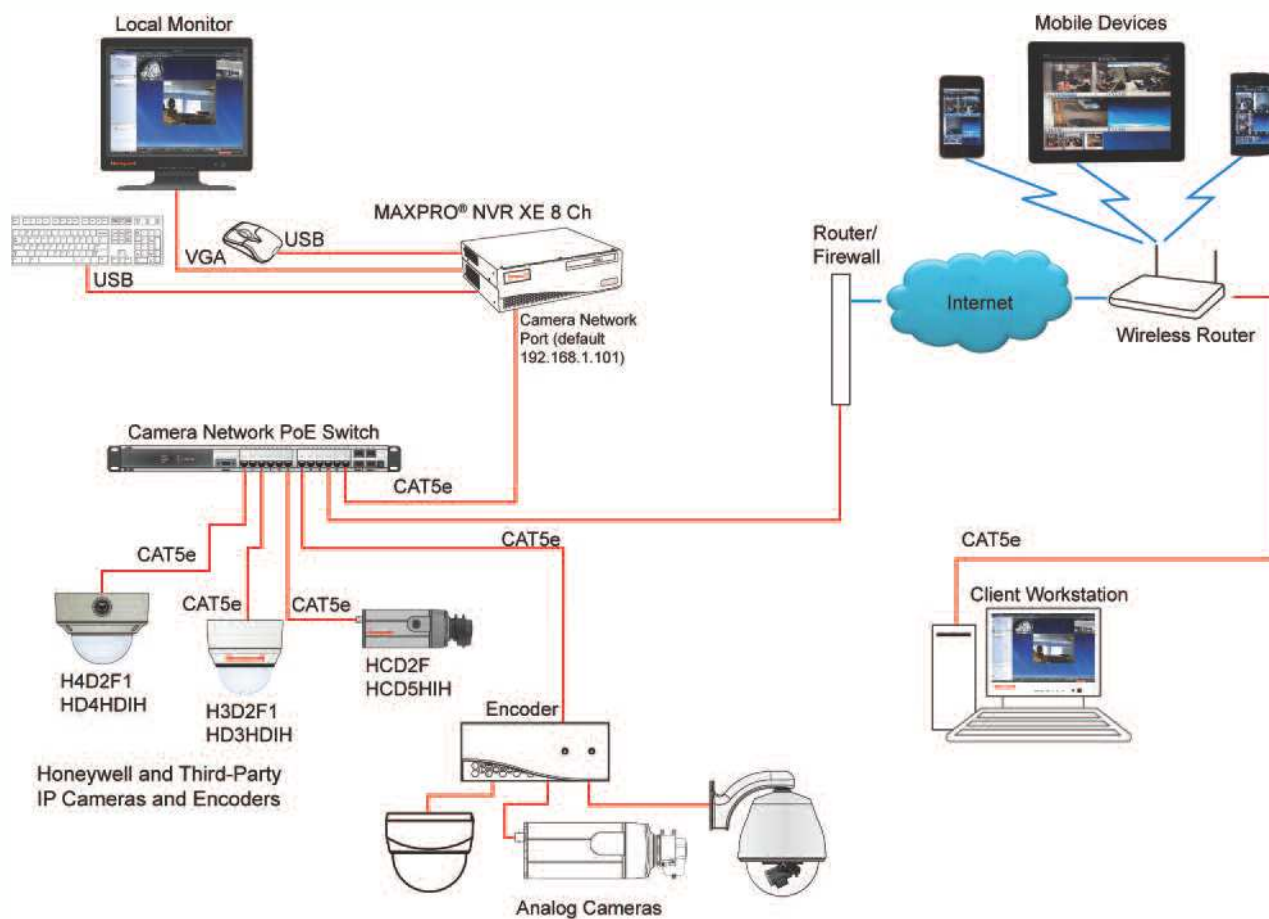


Quad (2x2 Salvo)

MAXPRO® NVR XE (Xpress Edition)

www.honeywellvideo.com

SYSTEM DIAGRAM

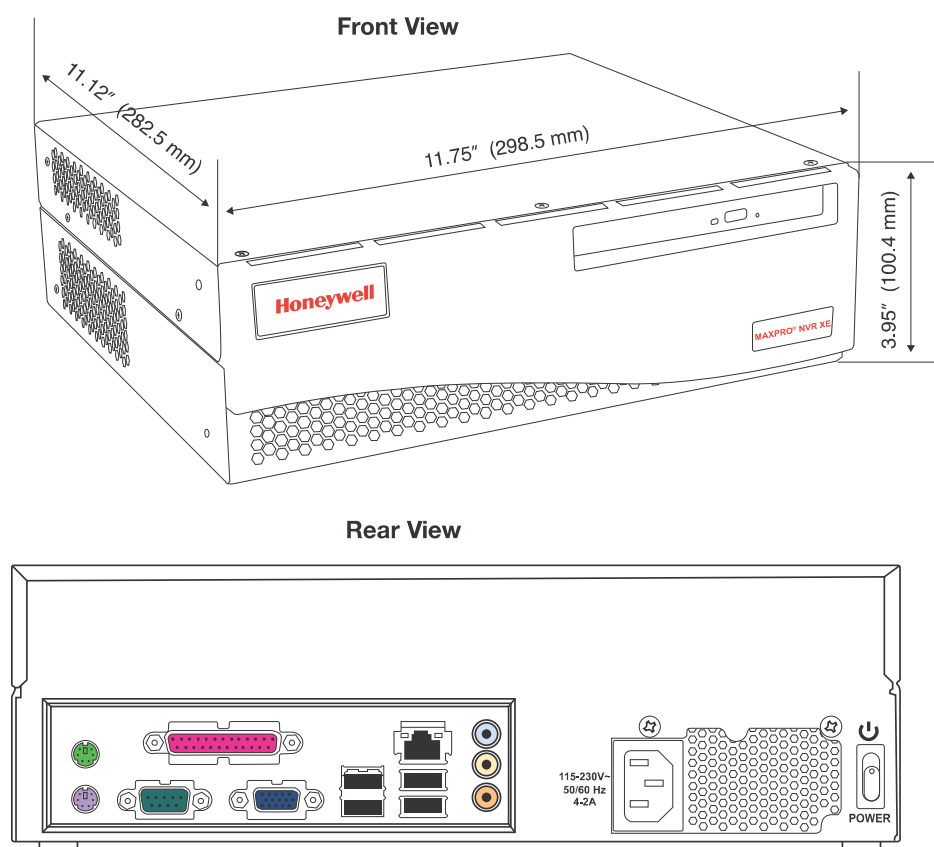


MAXPRO® NVR XE (Xpress Edition) www.honeywellvideo.com

SPECIFICATIONS

| Operational | | Operational | |
|---|--|--------------------------------------|--|
| MAXPRO NVR XE Software - Version 2.5 or above | | MAXPRO NVR XE Hardware | |
| Database | Microsoft SQL Express 2008 R2 | Processor | Intel® Atom™ D525 |
| Operating system | Windows Embedded Standard 7, 32-bit | Memory | 4 GB |
| Image compressions supported | MPEG-4, H.264 | Power supply | Single 220 W 80 PLUS Efficient PSU; Energy Star 5.0 compliant, Active PFC |
| Supported Honeywell IP cameras and encoders | Supports Performance Series IP, EQUIP® Series cameras including high definition. Refer to www.honeywellsecurity.com/hota | Storage capacities | 1 TB |
| Supported third party IP cameras and encoders | Refer to the Honeywell Open Technology Alliance for a comprehensive list of compatible products to which this device is integrated. www.honeywellsecurity.com/hota | Optical | 16X DVD-RW |
| Maximum number client connections | 8 remote per unit from 4 remote workstations + 1 local on NVR server | Network | Single 1 Gigabit Ethernet |
| Salvo layouts | Full, 2x2, 1x5, 3x3, 2x8, 1x12, 4x4 on remote clients 2x2 on local client | Mouse and keyboard | USB |
| Picture controls per camera | Sharpness, blur, brightness, contrast, hue, saturation, maintain aspect ratio, stretched, original size and picture mirror | Rear Panel Connections | |
| OSD | Concealed text option | USB | 4 Rear USB 2.0 ports |
| Playback controls per camera | FWD/REV Play x (1, 2, 4, 8, 16) Slow FWD/REV Play x (1/2, 1/4, 1/8) | Network | RJ45 |
| Search types | Time/date timeline, time jump FWD/REV, bookmarks, calendar preview, film strip and event search | Audio | 1 Line-in/Microphone 1 Line-out |
| Recording schedule | Constant and event based with H/M/D and holiday and exception days | Monitor output | 1 VGA |
| Recording methods per camera | Constant, event-based and user activated | Electrical | |
| Live settings per camera | Compression format, resolution and frame rate | Input voltage | 100- 240 VAC, 60/50 Hz |
| Recording settings per camera | Same as live or reduced frame rate | Operating voltage | 110/220 VAC 60/50 Hz |
| Clip format | WMV with digital certificate for authentication playable with Windows media player | Power consumption | 220 W |
| Video clip authentication | Digital signature, verification tool provided | Mechanical | |
| Motion detection location | Camera based for supported models or Server based (Smart VMD) for all models(except 360 fisheye/panomorph views) | Construction finish | Chassis: Brushed steel Chassis: Black matte paint |
| Event recording | Pre- and post-duration setting | Dimensions (w x h x d) | 11.75" x 3.95" x 11.12" (298 mm x 100 mm x 282 mm) |
| Operator reporting | Per user, configurator, session and viewer | Weight | 20 lb/9 kg base, varies by model |
| Event report | Per camera or recorder events | Environmental | |
| Operators | 10 | Operating Temperature | 40°F to 105°F (5°C to 40°C) |
| | | Storage Temperature | 14°F to 150°F (-10°C to 65°C) |
| | | Relative Humidity | 20% to 90% (non-condensing) |
| | | Regulatory | |
| | | Emissions | FCC: Part 15 Class B CE:EN 61000-3-2:2006 + A2:2009 CE:EN 61000-3-3:2008 |
| | | Immunity | CE:EN 50130-4:1995 + A1:1998 + A2:2002, Alarm/security immunity |
| | | Safety U.S. and Canada International | ETL Listed to UL 60950-1 / CSA C22.2 No. 60950-1 CE report:IEC 60950-1:2005 |
| | | Warranty | |
| | | Warranty and Advanced Replacements | Refer to http://www.honeywellvideo.com/support/warranty/index.html |

| Recording and Monitoring Performance | 240 fps @ 4CIF/VGA or 80 fps @ 720p HD or 80 fps @ 1080p HD. Monitoring of 1080p and higher resolution cameras is only supported on remote clients. Network bandwidth/throughput supported per NVR with Incoming: 25 Mbps, Outgoing: 30 Mbps providing a Total: 55 Mbps. |
|---|---|
| Max Video Streams Support | Live - 160 streams, Playback/Video retrieval sessions - 32, Sync playback - 9 streams |
| Server based VMD (Smart VMD) performance - channels supported | Channels at max fps: 8 ch at 240 fps @ 4CIF/VGA or 4 ch at 80 fps @ 720p. All Channels at fps: 8 ch at 240 fps @ 4CIF/VGA or 40 fps @ 720p. Note: Local client - 2x2 view for 720p or lower resolutions only. 1080p and higher resolution models can be configured at lower fps (than supported at 720p) to record with SmartVMD if remote clients are used for monitoring these cameras. |



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ORDERING

Ordering MAXPRO NVR XE – 8 Channel

| | |
|---------|--------------------------|
| HNMxEB1 | MAXPRO NVR XE 8 Ch, 1 TB |
|---------|--------------------------|

Recommended Entry Level Cameras: Performance Series IP Cameras

| | |
|----------------|--|
| HD44IP, H3SVP1 | Network, Day/Night Indoor Fixed IP Dome, VGA Resolution Camera, H.264, PSIA, ONVIF Profile-S models |
| HD45IP, H3S1P1 | Network, Day/Night Indoor Fixed IP Dome, 720p Resolution Camera, H.264, PSIA, ONVIF Profile-S models |
| HD54IP, H4SVP1 | Network, Day/Night Rugged Fixed IP Dome, VGA Resolution Camera, H.264, PSIA, ONVIF Profile-S models |
| HD55IP, H4S1P1 | Network, Day/Night Rugged Fixed IP Dome, 720p Resolution Camera, H.264, PSIA, ONVIF Profile-S models |

Refer to the storage calculator on www.honeywellvideo.com to help determine what size unit to order.

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

For more information:

www.honeywell.com/security

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L/MPNVRXE825D/D
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