

## 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



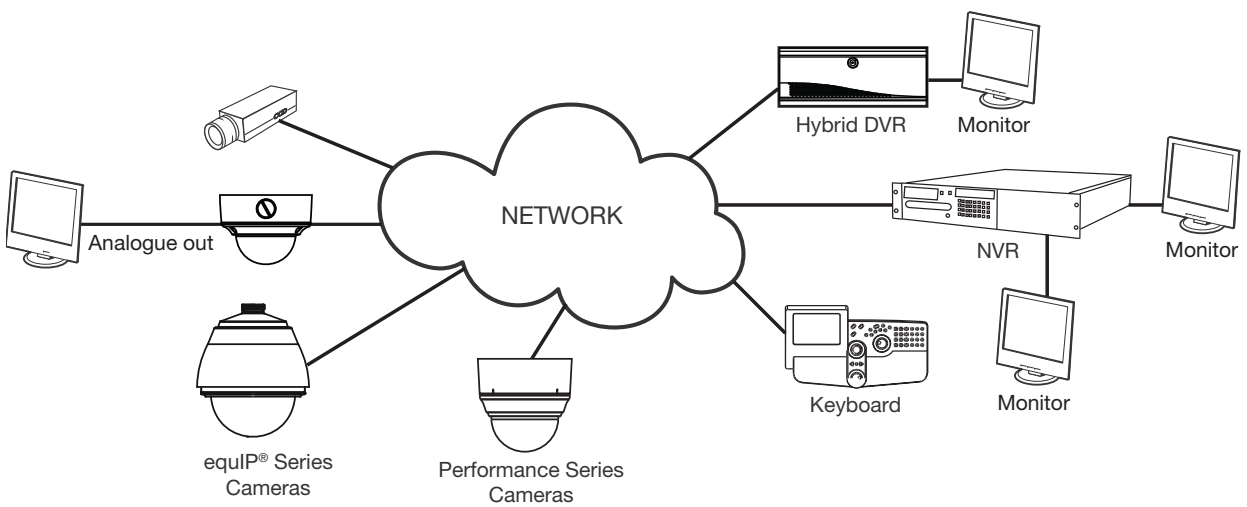
# H3S1P1X

## 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	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 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.

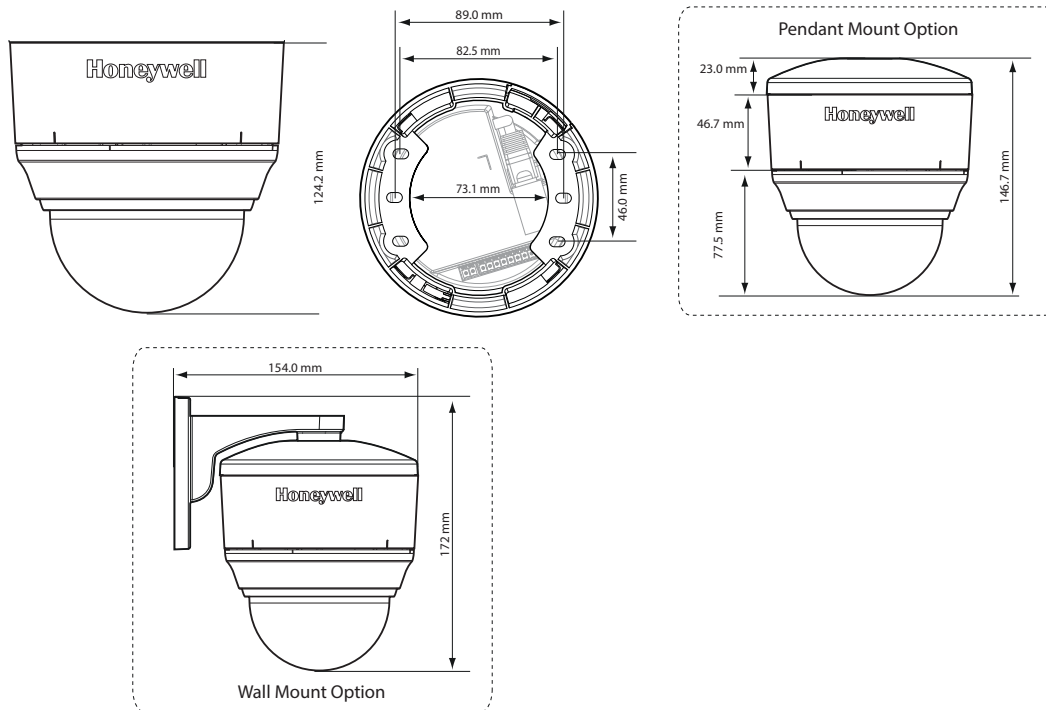
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## SPECIFICATIONS

System Integration
<b>Open IP Integration</b>
ONVIF support and open API for software integration. Refer to <a href="http://www.onvif.org">www.onvif.org</a> for the ONVIF specification and the Honeywell Open Technology Alliance ( <a href="http://www.honeywell.com/security/hota">www.honeywell.com/security/hota</a> ) 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](http://www.honeywell.com/security/uk)

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