

## HEN04101B/EB(X)

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### 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

Honeywell Performance Series NVR and IP camera bundle offers a high-quality and cost-effective surveillance solution. The bundle includes a 4-channel 1080P NVR and 4 full HD 1080P IR dome or bullet IP cameras with IP66 weather-proof construction. With compact designs and various user-friendly features, this full HD bundle is ideal for both indoor and outdoor medium-scale applications in retail stores, residential, education facilities, warehouses and so forth.

#### **High Quality Video Recording**

The NVR supports 4-channel real-time recording at 1080P for high definition image storage. It also supports live view, streaming relay and playback, and is embedded with 2 internal HDDs with maximum 8TB storage. Apart from internal storage, videos and snapshots can be saved in ftp sites, USB memory drive or client PC via the internet. With 1080P HDMI output and VGA output, the NVR is ideal for high quality monitoring operations.

#### **Easy Operation**

Certain alarm settings can be configured with the NVR, including motion detection, camera tampering detection (alarm alerts with automatic emails and video or snapshots), automatic alerts (buzzers or flashes) and alarm-triggered PTZ control (preset and tours).

Installations are quick and easy with the user-friendly Setup Wizard and PoE ports for camera plug-and-play.

#### **Easy Access from Everywhere**

Remote configurations of cameras, NVR, network, as well as firmware upgrade can be done via the Honeywell Viewer web client and the Honeywell configuration tool. The intercom function also helps communications between operators in different sites.

Use the feature-rich HonView Touch mobile app for iPhone®, iPad®, Android™ devices and laptops to monitor the surveillance areas from anywhere with WI-FI access. Moreover, network monitoring such as transmission of alarm information can be done via the SNMP protocol. Quality remains with mobile access that, all channels support simultaneous live view and playback at 1080P at full frame rate.

Up to 50 NVRs can be interfaced and administered simultaneously with HDCS, the Honeywell central management software. Operators can easily perform recording, live viewing, playback, configuration, PTZ control, video switch, and so forth.

#### **Fully-Featured 1080P Weather-Proof Cameras**

Each bundle set is packaged with 4 full HD 1080P IR dome or bullet cameras. At low illumination or complete darkness, the cameras use its built-in IR LEDs to provide useable black and white video with up to 20m (dome cameras) or 30m (bullet cameras) IR beam distance. Also with H.264 compression, True Day/Night, 3D Noise Reduction, privacy masking and motion detection, and IP66 housing, the cameras are suitable for installations in both outdoor and indoor environments.



**HEN04101BB(X)**

NVR: HEN04101(X)  
Cameras: HBD2PR1



**HEN04101EB(X)**

NVR: HEN04101(X)  
Cameras: H2D2PR1



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#### MARKET OPPORTUNITIES

High quality, feature-rich and easy-to-operate, the Performance Series NVR and IP camera bundle is designed for medium-scale installations at an affordable price. Also with various remote access tools, this bundle is ideal for retail stores, residential areas, clinics, offices, commercial buildings and so on.

#### FEATURES

##### NVR

- H.264 / MJPEG dual code decoding
- Up to 8 channels with 1080P real-time live view
- 4 channels simultaneous real-time playback and smart search
- Support 2 SATA HDDs, maximum 8TB storage
- HDMI and VGA simultaneous video output
- PoE ports x 4
- Alarm-triggered screen tips, buzzer, PTZ, Email and FTP upload
- Compatible with Web client, HDCS (central management software) and HonView Touch (Mobile Phone surveillance software)
- Support IPv6, ONVIF Profile S

##### Camera

- 25/30fps@1080p high resolution
- H.264 / MJPEG video compression
- TDN, 3DNR, BLC
- IR beam distance up to 20 or 30m
- IP66 weather-proof
- Digital watermark to ensure untampered videos
- 4 privacy mask zones; 396 motion detection zones
- Compatible with Web client, HDCS (central management software) and HonView Touch (Mobile Phone surveillance software)
- Support IPv6, SNMP, ONVIF Profile S

#### SPECIFICATIONS - NVR

System	HEN04101	HEN04101X
Main processor	Dual-core embedded processor	
Operating System	Embedded LINUX	
<b>Video and Audio</b>		
IP Camera Inputs	4 channels	
Intercom	1 channel input; 1 channel output; BNC	
<b>Display</b>		
Interface	1 HDMI; 1 VGA	
Resolution	1920 x 1080; 1280 x 1024; 1280 x 720; 1024 x 768	
Display Split	1/4	
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording	
<b>Recording</b>		
Compression	H.264 / MJPEG	
Resolution	1080P (1920 x 1080); 720P (1280 x 720); D1 (704 x 576 / 704 x 480); SXGA (800 x 600); 1.3M (1280 x 1024)	
Recording Rate	120fps @ 1080P / 720P / SXGA / 1.3M / D1	100fps @ 1080P / 720P / SXGA / 1.3M / D1

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System	HEN04101	HEN04101X
Bit rate	256 to 8192 kbps	
Recording Mode	Manual, Continuous, Motion Detection, Alarm, Motion Detection and Alarm	
Recording Interval	1 to 120 minutes (default: 60 minutes); Pre-recording: 1 to 30 seconds	
<b>Video Detection and Alarms</b>		
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	
Alarm Input	16 channels	
Relay Output	3 channels	
<b>Playback and Backup</b>		
Sync Playback	1/4	
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	
<b>Network</b>		
Ethernet	1 x RJ-45 port (10/120/1200 Mbps)	
PoE	4 ports (IEEE802.3af)	
Network Function	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	
Smartphone / Tablet compatibility	iOS (iPhone® and iPad®), Android™	
<b>Storage</b>		
Internal Storage	2 SATA ports; up to 8TB, support HDD redundancy	
<b>Auxiliary Interface</b>		
USB	2 ports (1 on rear panel); USB 2.0	
RS232	1 port, for PC communication and keyboard	
RS485	1 port, for PTZ control	
<b>Electrical</b>		
Power Supply (NVR)	12 V DC; 5 A	
Power Supply (PoE)	48 V DC; 1.04 A	
Power Consumption (NVR)	20W (without HDD)	
PoE	Maximum 15W each channel	
<b>Environmental</b>		
Operating Temperature	-10°C to 55°C	
Humidity	10% to 90%	
<b>Physical</b>		
Dimensions	375 (W) x 285 (D) x 50 (D) mm	
Weight (without HDD)	2.3kg	
<b>Regulatory</b>		
Emissions	FCC Part 15B, CE EN55022	
Immunity	CE EN50130-4	
Safety	EU: EN60950-1 North America UL listed to UL/CSA 60950-1	

\* Actual bit rate 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 naturally protocols will mature over time.

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## 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

### SPECIFICATIONS - CAMERAS

Operational	H2D2PR1 IP IR Dome Camera (bundle model: HEN04101EB(X))	HBD2PR1 IP IR Bullet Camera (bundle model: HEN04101BB(X))
Video Standard	NSTC / PAL	
Image Sensor	1/3" Megapixel progressive scan Exmor CMOS	
Effective Pixels	1920 (H) x 1080 (V)	
Minimum Illumination	0.5 Lux @ F1.6 (Color); 0 Lux @ F1.6 (IR LEDs on)	
Number of IR LEDs	12	
IR Beam Distance	Max. 20m	Max. 30m
S/N Ratio	More than 50db	
Gain Control	Auto / Manual	
Electronic Shutter Speed	Auto/Manual (1/3~1/120000s)	
Lens Type	3.6 mm Fixed, F1.6	
Horizontal Angle of View	88°(53°)	
Mount Type	Board-in type	
White Balance	Auto / Day / Night / Customized	
Day/Night	Auto (ICR) / Color / B&W	
Backlight Compensation	BLC / DWDR	
Exposure Mode	Manual / Low noise / Low motion blur / Auto Ranges from 1/3 to 1/12000	
Noise Reduction	3D Noise Reduction	
Video Flip	Mirror function and flip function	
Snapshot	Maximum 1 snapshot, saved as JPEG	
Privacy Mask	4 zones	
Video Setup	Parameter setup such as brightness and contrast	
Video Information	Channel title; time title; motion detection; privacy mask	
Motion Detection	396 (18 x 22) detection zones; Sensitivity level ranges from 0 to 120; area threshold ranges from 0 to 120. Activation event: video storage; image snapshot; log; email function	
Watermark	Support	
<b>IP Specifications</b>		
Video Compression	H.264 / MJPEG	
Primary Stream Resolution	1080p (1920 x 1080) / SXGA (1280 x 1024) / 1.3M (1280 x 960) / 720p (1280 x 720) / D1 (704 x 576 / 704 x 480) / CIF (352 x 288 / 352 x 240)	
Frame Rate	Main Stream: 1080p / SXGA / 1.3M / 720p / D1 @25/30fps Sub Stream: D1 / CIF@25/30 fps	
Video Bit Rate	1280K ~ 8192 Kbps @ 1080p	
Security	Up to 20 users, multiple user access levels with password protection	
Operating System	Windows XP; Windows Vista; Windows 7	
CPU Requirements	Pentium M 2.16 GHz or Intel Core 2 Duo 2.0 GHz	
System Memory	At least 2 GB	
Network Card	RJ-45 (10/120 Base-T)	
Web Browser	Internet Explorer® 6.0 or later Chrome™, Firefox®, Safari®	
Supported Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour	
Smartphone / Tablet Compatibility	iOS (iPhone® and iPad®), Android™	
Standards	ONVIF Profile S	
<b>Network</b>		
Remote Operation	Monitor; system setup; log information; maintenance upgrade	
Default Restoration	Built-in RESET button	
<b>Electrical</b>		
Power Supply	12 V DC PoE IEEE 802.3af, Type 1, Class 3	
Power Consumption	Max. 6W	

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### 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

Operational	H2D2PR1 IP IR Dome Camera (bundle model: HEN04101EB(X))	HBD2PR1 IP IR Bullet Camera (bundle model: HEN04101BB(X))
<b>Mechanical</b>		
Dimensions	Ø113.6 x 85.4 mm	178.4 (L) x 69.9 (W) x 70 (H) mm
Weight	0.29 kg	0.5kg
Construction	Housing: Die-cast aluminum and polycarbonate Color: White	
Recording and Storage	Network storage	
Connectors	1-channel wire Ethernet port; 10/120 Base-T Ethernet	
<b>Environmental</b>		
Operational Temperature	-20°C to +60°C	
Working Humidity	≤ 95%	
Rating	IP66	
<b>Accessories</b>		
Installation	Ceiling and wall mount	With the bracket
<b>Regulatory</b>		
Emissions	FCC Part 15B, CE (EN 55022)	
Immunity	EN-50130-4	
Safety	EN 60950-1 North America UL listed to UL/CSA 60950-1	

\* Actual bit rate 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 naturally protocols will mature over time.

### SPECIFICATIONS – BACK BOX (for H2D2PR1 only)

Model	HE-JB
Material	Aluminum & SECC
Dimensions	138(L) x 42(W) mm
Operating Temperature	-40°C ~ +60°C
Humidity	0 - 90% RH
Load bearing	3.0kg
Weight	0.38kg



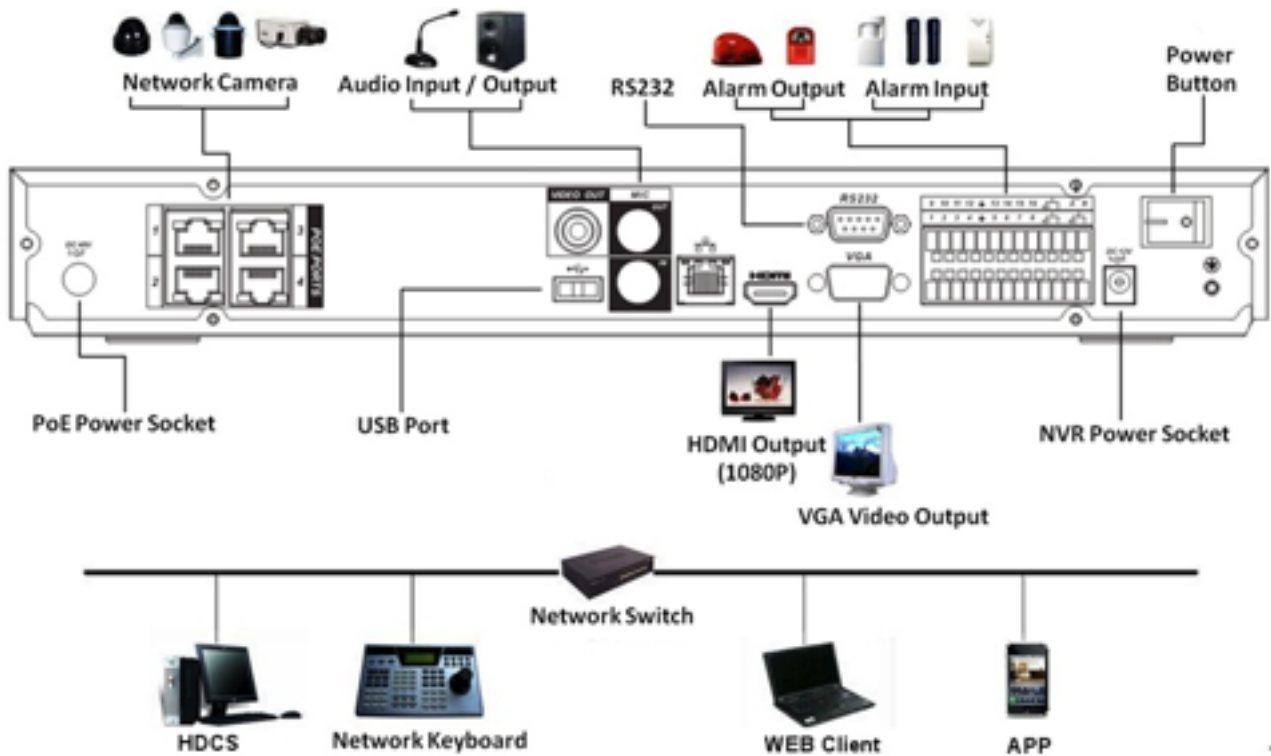
Note: Honeywell reserves the right, without notification, to make changes in product design or specifications.

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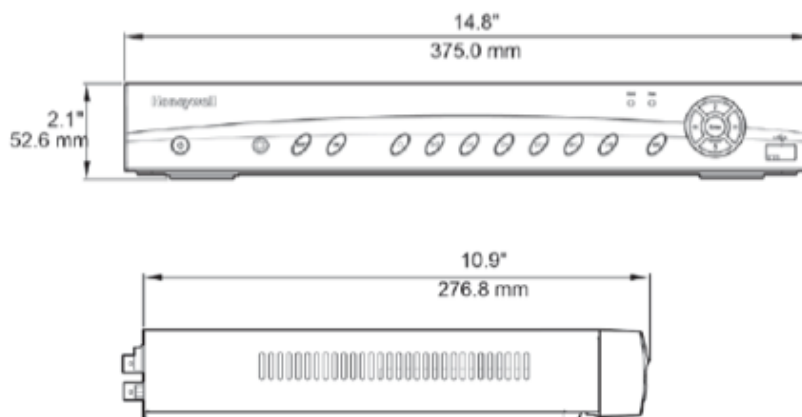
### 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

#### SYSTEM CONNECTION

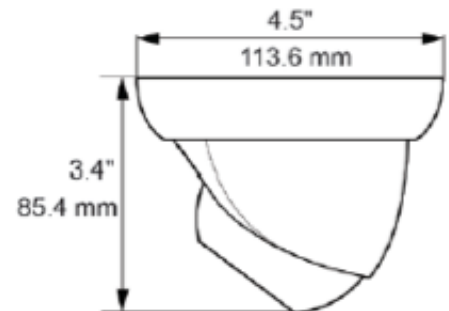


#### DIMENSIONS

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H2D2PR1



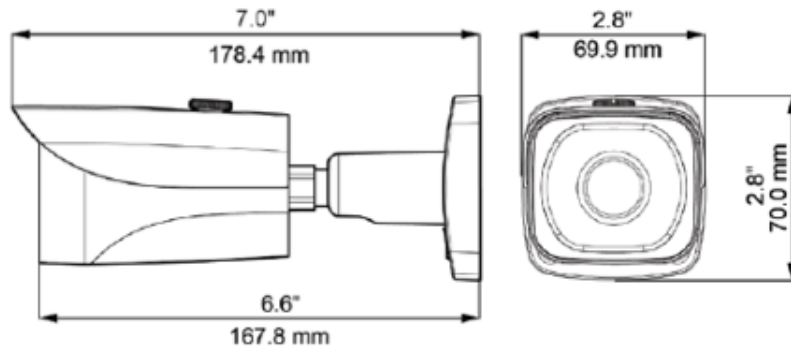
Unit: mm

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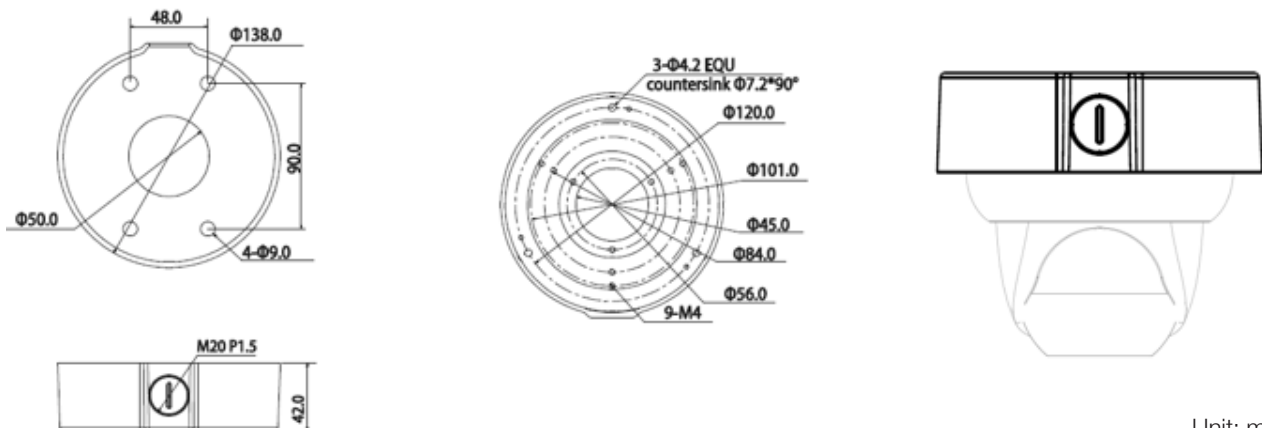
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## 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

HBD2PR1



HE-JB



Unit: mm

### Packing List

Contents	Qty
1080P 4-Channel NVR	1
CD (User manual, Quick Guides, Configuration Tool, NVR player)	1
Battery – for remote controller	2
NVR Quick Network Guide (English version)	1
NVR Quick Connection Guide (English version)	1
Power adaptor - DC12V for NVR	1
Power adaptor - DC48V for PoE	1
SATA cable	1
Lan cable	1
Power line (British standard)	2
Power line (European Standard)	2
Mousev	1
Remote Controller	1

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## 1080P H.264 PoE NVR AND IP IR DOME/ IR BULLET CAMERAS BUNDLE

### ORDERING

#### NVR & IR Bullet Cameras Bundle

HEN04101BBX	NVR and IP Dome Camera Bundle Kit. 1 x 1080P 4-channel NVR and 4 x 1080P IR Bullet Cameras, PAL
HEN04101BB	NVR and IP Dome Camera Bundle Kit. 1 x 1080P 4-channel NVR and 4 x 1080P IR Bullet Cameras, NTSC

#### NVR & IR Dome Cameras Bundle

HEN04101EBX	NVR and IP Dome Camera Bundle Kit. 1 x 1080P 4-channel NVR and 4 x 1080P IR Dome Cameras, PAL
HEN04101EB	NVR and IP Dome Camera Bundle Kit. 1 x 1080P 4-channel NVR and 4 x 1080P IR Dome Cameras, NTSC

#### Cameras and NVR can be purchased separately with orderings stated below:

HEN04101	4-channel 1080P NVR, 2 HDDs, 1 1000M Ports, 4 PoE Ports, NTSC
HEN04101X	4-channel 1080P NVR, 2 HDDs, 1 1000M Ports, 4 PoE Ports, PAL
HBD2PR1	1080P IP IR Bullet Camera, 1/3" progressive scan Exmor CMOS, 3.6 mm, 30m IR distance, IP66, H.264, TDN, ONVIF Profile S, PoE, 12VDC
H2D2PR1	1080P IP IR Dome Camera, 1/3" progressive scan Exmor CMOS, 3.6 mm, 20m IR distance, IP66, H.264, TDN, ONVIF Profile S, PoE, 12VDC
HE-JB	Ceiling Mount, Back box (for H2D2PR1 only)

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For more information:

Security Asia Pacific Headquarters  
Security Australia Sales Hotline  
Security China Sales Hotline  
Security Hong Kong  
Security India

Tel: (86) 21 2219 6888  
Tel: 1300 234 234  
Tel: 400-8800-330  
Tel: (852) 2405 2323  
Tel: (91) 124 497 5000

Security Indonesia  
Security Korea  
Security Singapore  
Security Taiwan  
Security Thailand

Tel: (62 21) 536 52322  
Tel: (82) 2 799 6114  
Tel: (65) 6355 2828  
Tel: (886) 2 2245 1000  
Tel: (66) 2 693 3099

www.asia.security.honeywell.com  
security.ap@honeywell.com

Honeywell Security Group  
Automation & Control Solutions  
Honeywell International Inc.  
www.security.honeywell.com

July 2014  
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