TDN WDR IR Ball Camera

HEW2PR1/HEW2PRW1/HEW4PR3/ HEW4PRW3

Honeywell's new Performance Series IP ball cameras are taking quality and reliability to the next level, offering outstanding picture clarity and hassle-free flexible system integration.

Superior Image Quality

- Full HD 1080p 25/30 fps image with a 1/2.7" 2 megapixel sensor or full HD 4 MP 20 fps image with a 1/3" 4 megapixel sensor

- Wide Dynamic Range, up to 120 dB, ensures glare-free images

- True Day/Night provides vivid color images by day and clear black-and-white images at night with ICR

- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth

HEW2PRW1/HEW4PRW3

Flexible Surveillance Solution

- 3.6 mm or 2.8 mm fixed lens at F2.0

- H.264 and MJPEG codec, triple stream support

- IR LEDs provide up to 130 ft (40 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)

- Smart IR technology provides even distribution of IR

- Waterproof (IP66) camera housing

- −22°F to 140°F (−30°C to 60°C) working temperature

- Plug-and-play compatible with Honeywell 4/8/16-channel Performance Series Embedded NVRs

HEW2PR1/HEW4PR3

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Easy to Install and Use

- Built-in PoE (Power over Ethernet) eliminates need for separate power supply and associated wiring; 12 VDC inputs where PoE power is unavailable
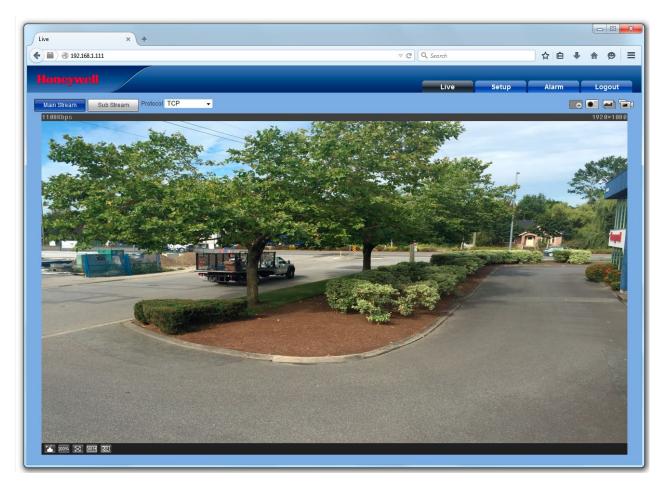- Remote configuration through web client or from the NVR

Market Opportunities

These flexible, fully featured cameras are ideal for a wide range of indoor and outdoor surveillance applications, providing excellent picture quality at minimal bandwidth while offering reliable protection against dust, dirt, and water.

FEATURES AND BENEFITS

- 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager
- .6 mm or 2.8 mm fixed lens
- True day/night (IR-cut filter)

- Wide dynamic range up to 120 dB
- Low-light performance down to 0.01 lux (color) or 0 lux with IR LEDs on
- Up to 130 ft (40 m) IR illumination, depending on scene reflectance

- H.264 Main Profile compression
- Triple stream support
- Supports up to 20 connections
- Corridor mode
- PoE, 12 VDC support

- Plug-and-play compatible with Honeywell Performance Series Embedded NVRs
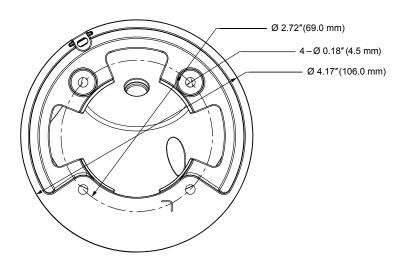- Waterproof outdoor housing with IP66 ingress protection rating
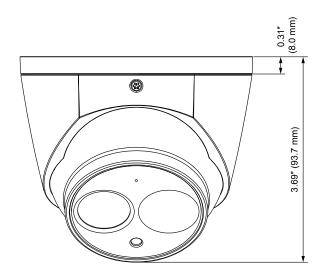
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Security Features

The camera can be configured to automatically detect and respond to events such as motion in the scene and/or camera tampering. Automated responses include sending a notification through email, FTP, and/or HTTP, and sending a still image of the event through email and/or FTP. Setup can be done using the web client or from an NVR.

DIMENSIONS

HEW2PR1/HEW2PRW1/HEW4PR3/HEW4PRW3

Ø 2.72"(69.0 mm)
4 – Ø 0.18" (4.5 mm)
Ø 4.17"(106.0 mm)

0.31" (8.0 mm)
3.69" (93.7 mm)

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SPECIFICATIONS

OPERATIONAL	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	**HEW2PR(W)1:** 1/2.7" 2 MP CMOS **HEW4PR(W)3:** 1/3" 4 MP CMOS
NUMBER OF PIXELS (H×V)	**HEW2PR(W)1:** 1920×1080 **HEW4PR(W)3:** 2688×1520
MINIMUM ILLUMINATION	0.01 lux, F2.0 (color) 0 lux (with IR LEDs on)
S/N RATIO	50 dB or more
ELECTRONIC SHUTTER SPEED	Auto, Manual, 1/3–1/100 000 s
IR DISTANCE	Up to 130 ft (40 m), depending on scene reflectance
DAY/NIGHT	Auto(ICR)/Color/BW
BACKLIGHT COMPENSATION	BLC/HLC/WDR (120 dB)
WHITE BALANCE	Auto/Sunny/Night/Outdoor/Customized
GAIN CONTROL	Auto/Manual
NOISE REDUCTION	3DNR
PRIVACY MASKING	Up to 4 areas
LENS	**HEW2PR(W)1:** 3.6 mm, F2.0 **HEW4PR(W)3:** 2.8 mm, F2.0
HORIZONTAL ANGLE OF VIEW	**HEW2PR(W)1:** 91° **HEW4PR(W)3:** 110°
CORRIDOR MODE	Yes

VIDEO		
VIDEO COMPRESSION		H.264/H.264H/H.264B/MJPEG
RESOLUTION		**HEW2PR(W)1:** 1080p (1920×1080)/720p (1280×720)/D1 (704×576/704×480)/ CIF (352×288/352×240) **HEW4PR(W)3:** 4 MP (2688×1520/2560×1440)/3 MP (2304×1296)/1080p (1920×1080)/720p (1280×720)/D1 (704×576/704×480)/ CIF (352×288/352×240)
FRAME RATE	MAIN STREAM	**HEW2PR(W)1:** 1080p/720p (1–25/30 fps) **HEW4PR(W)3:** 4 MP (1–20 fps)/ 3 MP (1–25/30 fps)
	SUB STREAM	**HEW2PR(W)1:** D1/CIF (1–25/30 fps) **HEW4PR(W)3:** D1/CIF (1–20 fps)
	TRIPLE STREAM	**HEW2PR(W)1:** 720p (1–13/4 fps) **HEW4PR(W)3:** 720p (1–20 fps)
BIT RATE (H.264)		32 Kbps–10 Mbps

NETWORK	
ETHERNET	RJ-45 (10/100Base-T)
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, 802.1X
COMPATIBILITY	ONVIF Profile S
MAX. USER ACCESS	20 users
MOBILE DEVICES	iPhone, iPad, Android

ELECTRICAL	
POWER SUPPLY	PoE (802.3af), 12 VDC
POWER CONSUMPTION	**HEW2PR(W)1:** 4.0 W max. **HEW4PR(W)3:** 3.7 W max.

MECHANICAL	
DIMENSIONS	4.17 × 3.69 in. (106.0 × 93.7 mm)
PRODUCT WEIGHT	1.04 lb (0.47 kg)
PACKAGE WEIGHT	1.43 lb (0.65 kg)
CONSTRUCTION	Die-cast aluminum housing with powder coat
CONSTRUCTION COLOR	**HEW2PR1:** RAL 7022 (Gray) **HEW2PRW1:** RAL 9003 (White) **HEW4PR3:** RAL 7022 (Gray) **HEW4PRW3:** RAL 9003 (White)

ENVIRONMENTAL	
TEMPERATURE	−22ºF to 140ºF (−30ºC to 60ºC)
RELATIVE HUMIDITY	0–95%, non-condensing
INGRESS PROTECTION	IP66

REGULATORY	
EMISSIONS	FCC Part 15, CE (EN 55032)
IMMUNITY	CE (EN 50130-4)
SAFETY	North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1) North America UL Listed to UL/CSA 60950-22, CE (EN 60950-22)

Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

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ORDERING

SYSTEM INTEGRATION
OPEN IP INTEGRATION

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

ACCESSORIES	
MOUNTS	
HQA-BB3	Junction box
HQA-WK2	Wall mount
HQA-PM	Pole mount (requires HQA-WK2)
HB34S2	Corner mount (requires HQA-BB3)

CAMERAS	
HEW2PR1	Network TDN WDR IR Ball Camera, 1/2.7" CMOS, 2 MP, 3.6 mm Fixed, 1 High Power IR LED, PoE, H.264, Gray
HEW2PRW1	Network TDN WDR IR Ball Camera, 1/2.7" CMOS, 2 MP, 3.6 mm Fixed, 1 High Power IR LED, PoE, H.264, White
HEW4PR3	Network TDN WDR IR Ball Camera, 1/3" CMOS, 4 MP, 2.8 mm Fixed, 1 High Power IR LED, PoE, H.264, Gray
HEW4PRW3	Network TDN WDR IR Ball Camera, 1/3" CMOS, 4 MP, 2.8 mm Fixed, 1 High Power IR LED, PoE, H.264, White

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