

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

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
- Weatherproof (IP66) camera housing
- -30°C to 60°C (-22°F to 140°F) working temperature
- Plug-and-play compatible with Honeywell 4/8/16-channel Performance Series Embedded NVRs

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



HEW2PRW1/HEW4PRW3



HEW2PR1/HEW4PR3



Market Opportunities

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

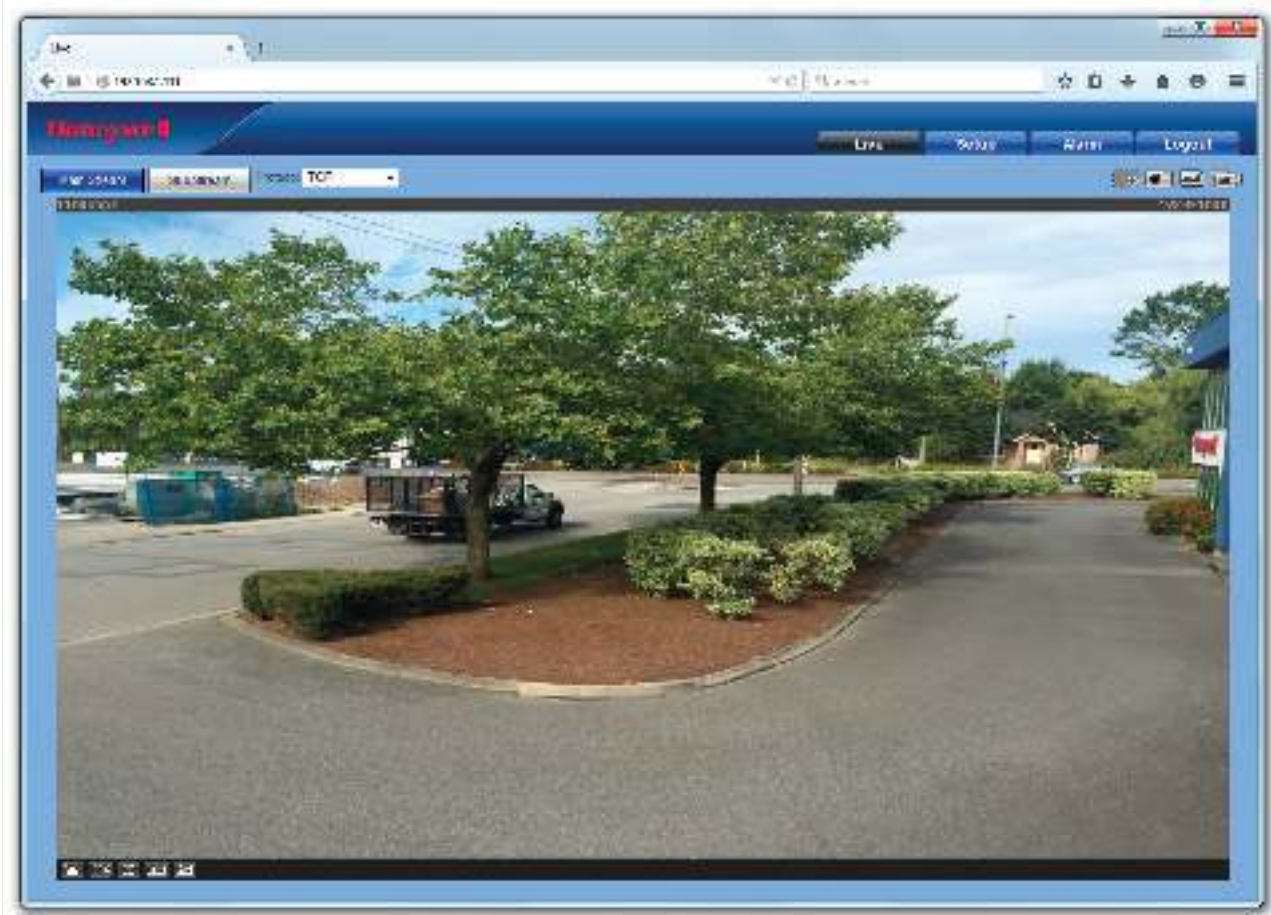
FEATURES AND BENEFITS

- | | | | |
|--|---|----------------------------------|--|
| • 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager | • Wide dynamic range up to 120 dB | • H.264 Main Profile compression | • Plug-and-play compatible with Honeywell Performance Series Embedded NVRs |
| • 3.6 mm or 2.8 mm fixed lens | • Low-light performance down to 0.01 lux (color) or 0 lux with IR LEDs on | • Triple stream support | • Weatherproof housing with IP66 ingress protection rating |
| • True day/night (IR-cut filter) | • Up to 130 ft (40 m) IR illumination, depending on scene reflectance | • Supports up to 20 connections | |
| | | • Corridor mode | |
| | | • PoE, 12 VDC support | |

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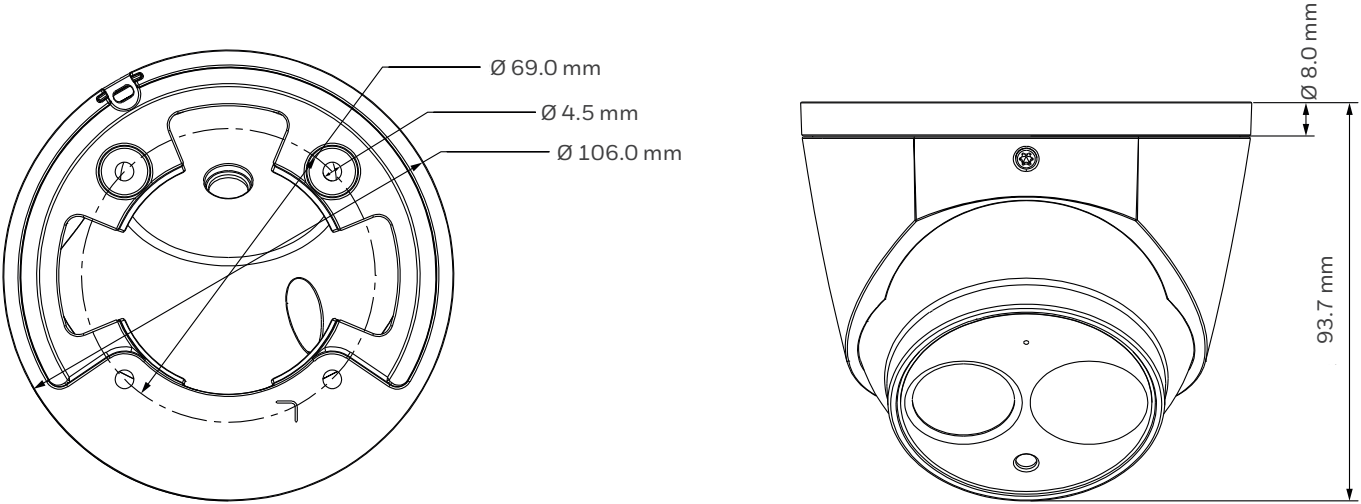
Security Features

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



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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 IEEE 802.3af Class 0, 12 VDC
POWER CONSUMPTION	HEW2PR(W)1: 4.0 W max. HEW4PR(W)3: 3.7 W max.
MECHANICAL	
DIMENSIONS	106.0 × 93.7 mm (4.17 × 3.69 in.)
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	–30°C to 60°C (–22°F to 140°F)
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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SPECIFICATIONS

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.



ORDERING

ACCESSORIES

MOUNTS

HQA-BB3	Junction box
HQA-WK2	Wall mount
HQA-PM	Pole mount (requires HQA-WK2)
HB34S2-CM	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

For more information

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

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