# TDN WDR IR Bullet Camera

HBW2PR1/HBW4PR1

Honeywell's new Performance Series IP bullet 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 fixed lens at F2.1 or F2.2

- 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

- −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

## 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
- Compatible with HQA-BB1 junction box, HQA-PM pole mount, and HB34S2-CM corner mount

**ONVIF® | S**

## 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.
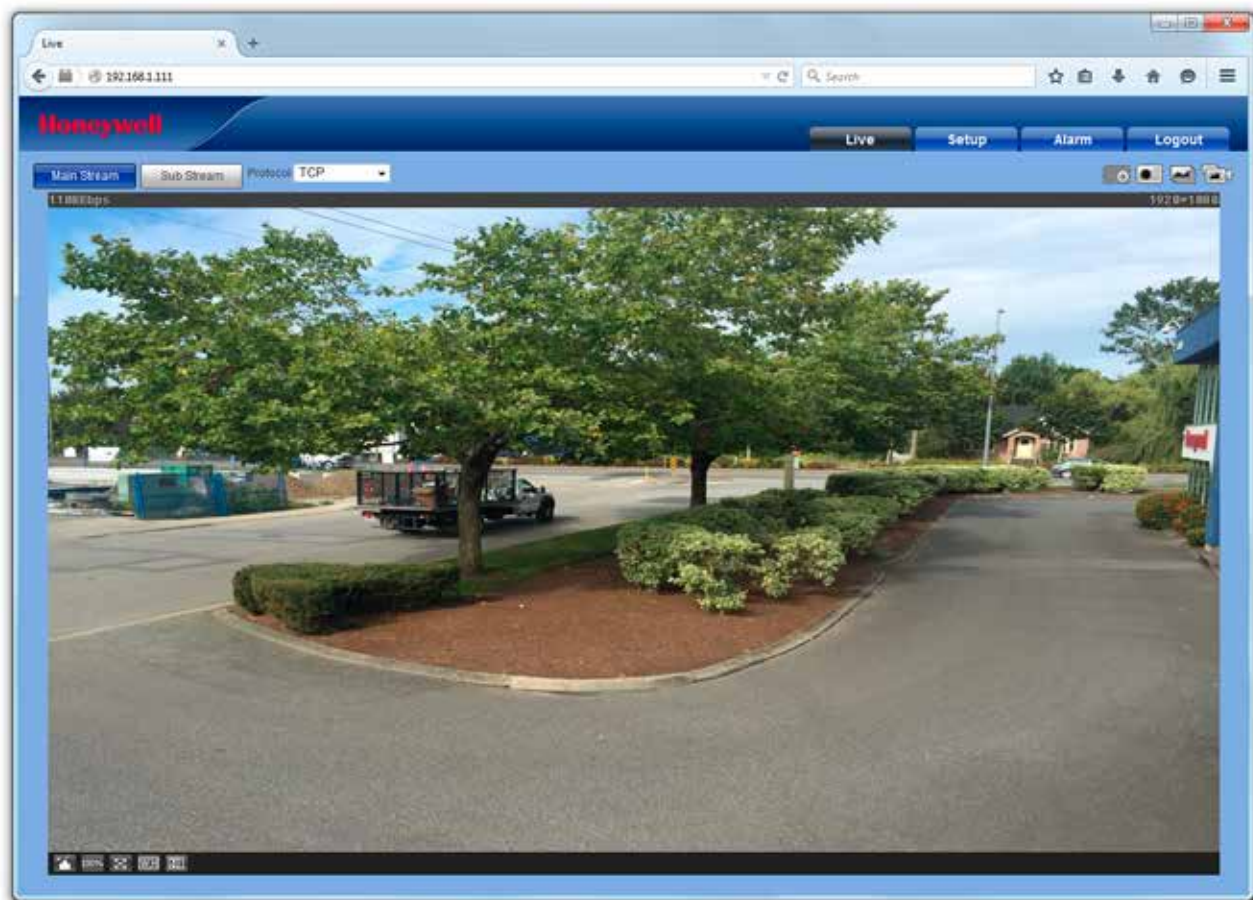
## FEATURES AND BENEFITS

- 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager
- 3.6 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
- Weatherproof housing with IP66 ingress protection rating
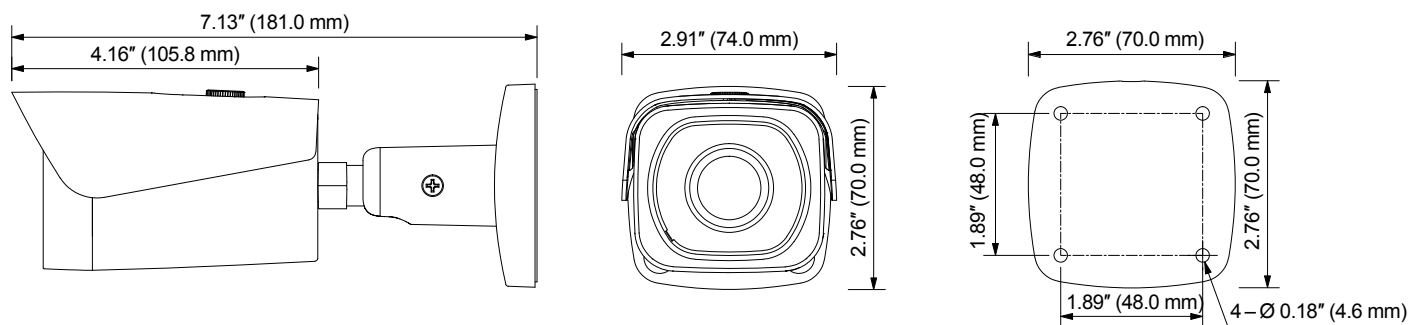
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## Security Features

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

### HBW2PR1/HBW4PR1 Dimensions

# TDN WDR IR Bullet Camera

## SPECIFICATIONS

| OPERATIONAL | |
|---|---|
| VIDEO STANDARD | NTSC/PAL |
| SCANNING SYSTEM | Progressive scan |
| IMAGE SENSOR | **HBW2PR1:** 1/2.7" 2 MP CMOS<br>**HBW4PR1:** 1/3" 4 MP CMOS |
| NUMBER OF PIXELS (H×V) | **HBW2PR1:** 1920×1080<br>**HBW4PR1:** 2688×1520 |
| MINIMUM ILLUMINATION | 0.01 lux, F2.0 (color)<br>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 | **HBW2PR1:** 3.6 mm, F2.2<br>**HBW4PR1:** 3.6 mm, F2.1 |
| HORIZONTAL ANGLE OF VIEW | **HBW2PR1:** 93º<br>**HBW4PR1:** 84º |
| CORRIDOR MODE | Yes |

| VIDEO | | |
|---|---|---|
| VIDEO COMPRESSION | | H.264/H.264H/H.264B/MJPEG |
| RESOLUTION | | **HBW2PR1:** 1080p (1920×1080)/ 720p (1280×720)/D1 (704×576/ 704×480)/CIF (352×288/352×240)<br>**HBW4PR1:** 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 | **HBW2PR1:** 1080p/720p (1–25/30 fps)<br>**HBW4PR1:** 4 MP (1–20 fps)/3MP (1–25/30 fps) |
| | SUB STREAM | D1/CIF (1–25/30 fps) |
| | TRIPLE STREAM | **HBW2PR1:** 720p (1–13/4 fps)<br>**HBW4PR1:** 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 | **HBW2PR1:** 6.5 W max.<br>**HBW4PR1:** 6.0 W max. |

| MECHANICAL | |
|---|---|
| DIMENSIONS | 7.13 × 2.91 × 2.76 in. (181.0 × 74.0 × 70.0 mm) |
| PRODUCT WEIGHT | 0.88 lb (0.4 kg) |
| PACKAGE WEIGHT | 1.17 lb (0.53 kg) |
| CONSTRUCTION | Die-cast aluminum housing with powder coat |
| CONSTRUCTION COLOR | 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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## 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-BB1** | Junction box |
| **HQA-PM** | Pole mount |
| **HQA-PM2** | Pole mount |
| **HB34S2-CM** | Corner mount |

| CAMERAS | |
|---|---|
| **HBW2PR1** | Network TDN WDR IR Bullet Camera, 1/2.7" CMOS, 2 MP, 3.6 mm Fixed, 2 High Power IR LEDs, PoE, H.264 |
| **HBW4PR1** | Network TDN WDR IR Bullet Camera, 1/3" CMOS, 4 MP, 3.6 mm Fixed, 2 High Power IR LEDs, PoE, H.264 |

**For more information**

www.honeywell.com/security

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