

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



### 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.

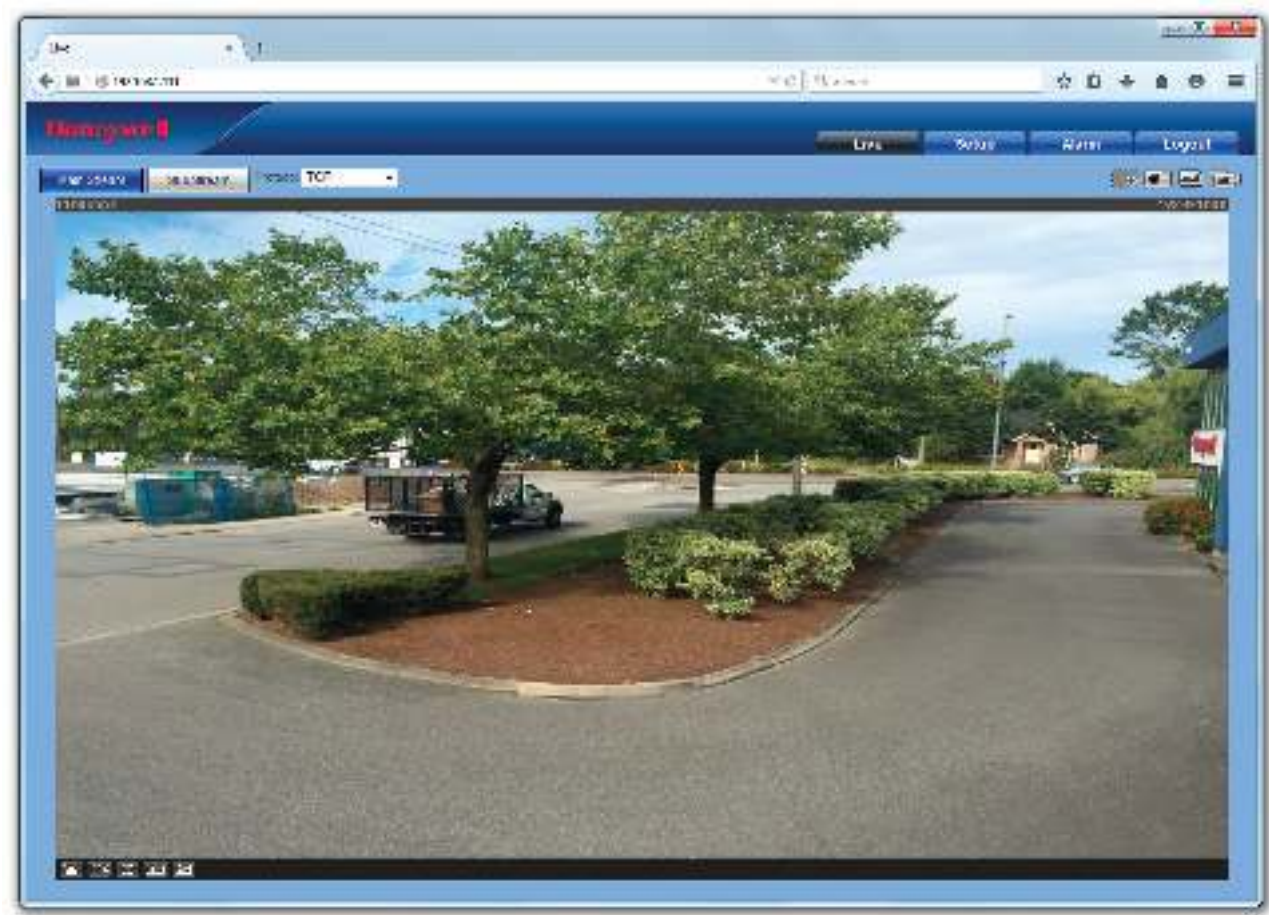
## FEATURES AND BENEFITS

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

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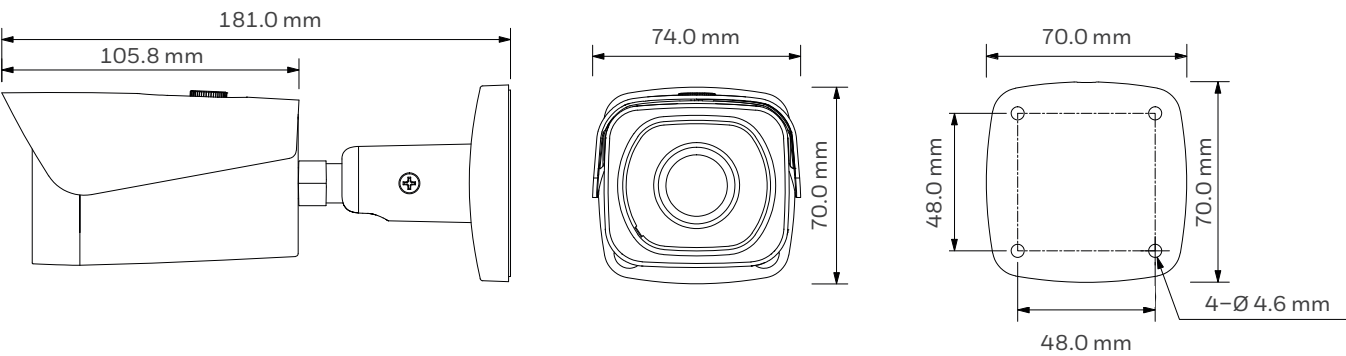
## Security Features

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

### HBW2PR1/HBW4PR1 Dimensions



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## SPECIFICATIONS

| OPERATIONAL              |               |                                                                                                                                                                                                                                               |
|--------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO STANDARD           |               | NTSC/PAL                                                                                                                                                                                                                                      |
| SCANNING SYSTEM          |               | Progressive scan                                                                                                                                                                                                                              |
| IMAGE SENSOR             |               | <b>HBW2PR1:</b> 1/2.7" 2 MP CMOS<br><b>HBW4PR1:</b> 1/3" 4 MP CMOS                                                                                                                                                                            |
| NUMBER OF PIXELS (H×V)   |               | <b>HBW2PR1:</b> 1920×1080<br><b>HBW4PR1:</b> 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                     |               | <b>HBW2PR1:</b> 3.6 mm, F2.2<br><b>HBW4PR1:</b> 3.6 mm, F2.1                                                                                                                                                                                  |
| HORIZONTAL ANGLE OF VIEW |               | <b>HBW2PR1:</b> 93°<br><b>HBW4PR1:</b> 84°                                                                                                                                                                                                    |
| CORRIDOR MODE            |               | Yes                                                                                                                                                                                                                                           |
| VIDEO                    |               |                                                                                                                                                                                                                                               |
| VIDEO COMPRESSION        |               | H.264/H.264H/H.264B/MJPEG                                                                                                                                                                                                                     |
| RESOLUTION               |               | <b>HBW2PR1:</b> 1080p (1920×1080)/ 720p (1280×720)/D1 (704×576/ 704×480)/CIF (352×288/352×240)<br><b>HBW4PR1:</b> 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   | <b>HBW2PR1:</b> 1080p/720p (1–25/30 fps)<br><b>HBW4PR1:</b> 4 MP (1–20 fps)/3MP (1–25/30 fps)                                                                                                                                                 |
|                          | SUB STREAM    | D1/CIF (1–25/30 fps)                                                                                                                                                                                                                          |
|                          | TRIPLE STREAM | <b>HBW2PR1:</b> 720p (1–13/4 fps)<br><b>HBW4PR1:</b> 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  | <b>HBW2PR1:</b> 6.5 W max.<br><b>HBW4PR1:</b> 6.0 W max.                                                                                             |
| MECHANICAL         |                                                                                                                                                      |
| DIMENSIONS         | 181.0 × 74.0 × 70.0 mm (7.13 × 2.91 × 2.76 in.)                                                                                                      |
| 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        | –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)<br>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](http://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   |
| 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/uk](http://www.honeywell.com/security/uk)

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

HSFV-PerfR2-Bullet-01-UK(0117)DS-E  
January 2017  
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