

## TDN WDR IR MFZ Bullet Camera

HBW2PR2/HBW4PR2

Honeywell's new HBW2PR2/HBW4PR2 bullet cameras are taking quality and reliability to the next level, providing 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

- 2.7–12 mm motorized focus/zoom lens at F1.4
- H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 200 ft (60 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 Honeywell's HBS2-BB 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.

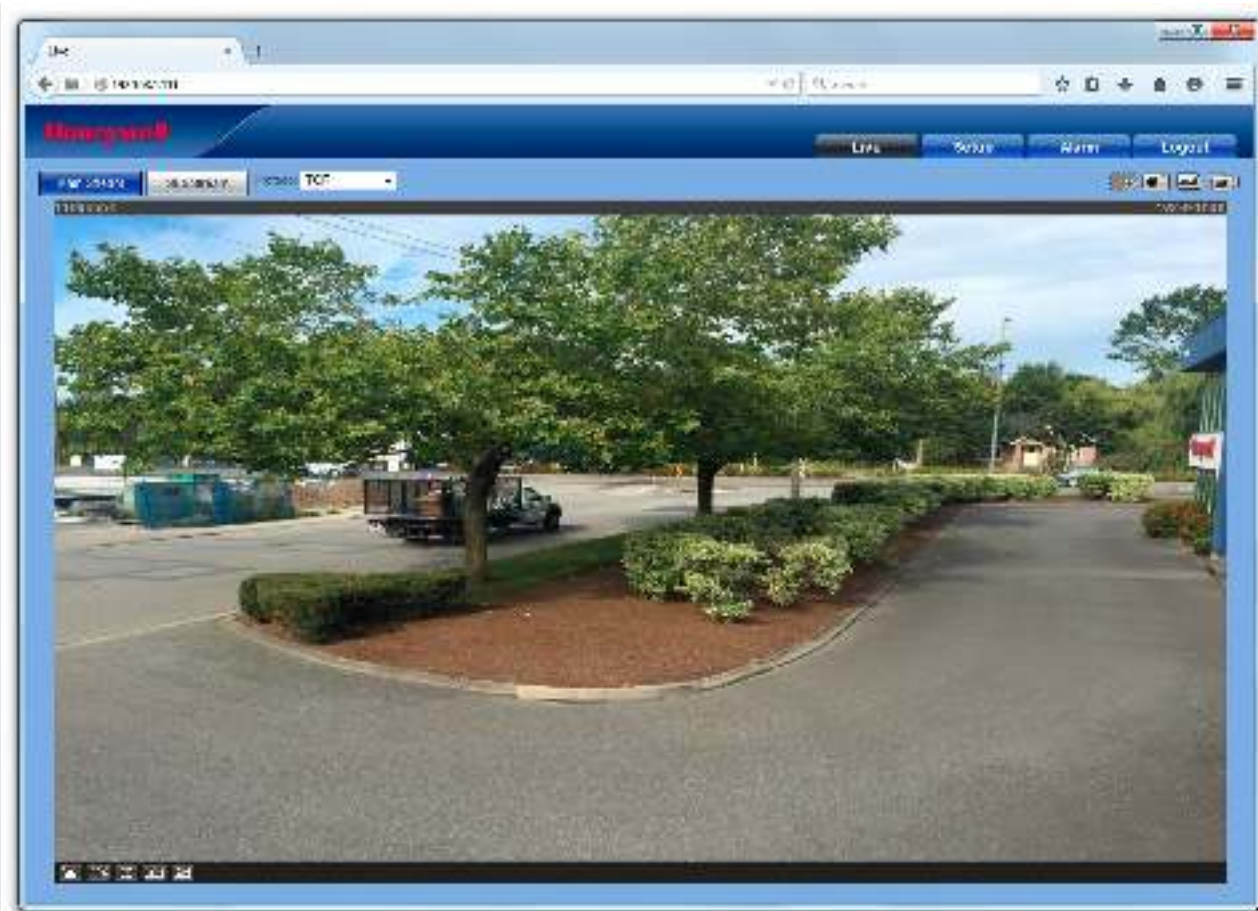
## FEATURES AND BENEFITS

- |                                                    |                                                                          |                                  |                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------|
| • 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager | • Wide dynamic range up to 120 dB                                        | • H.264 Main Profile compression | • Plug-and-play compatible with Honeywell Performance Series Embedded NVRs |
| • 2.7–12 mm MFZ lens                               | • Low-light performance down to 0.1 lux (color) or 0 lux with IR LEDs on | • Triple stream support          | • Weatherproof IP66-rated housing                                          |
| • True day/night (IR-cut filter)                   | • Up to 200 ft (60 m) IR illumination, depending on scene reflectance    | • Supports up to 20 connections  |                                                                            |
|                                                    |                                                                          | • Corridor mode                  |                                                                            |
|                                                    |                                                                          | • PoE, 12 VDC support            |                                                                            |

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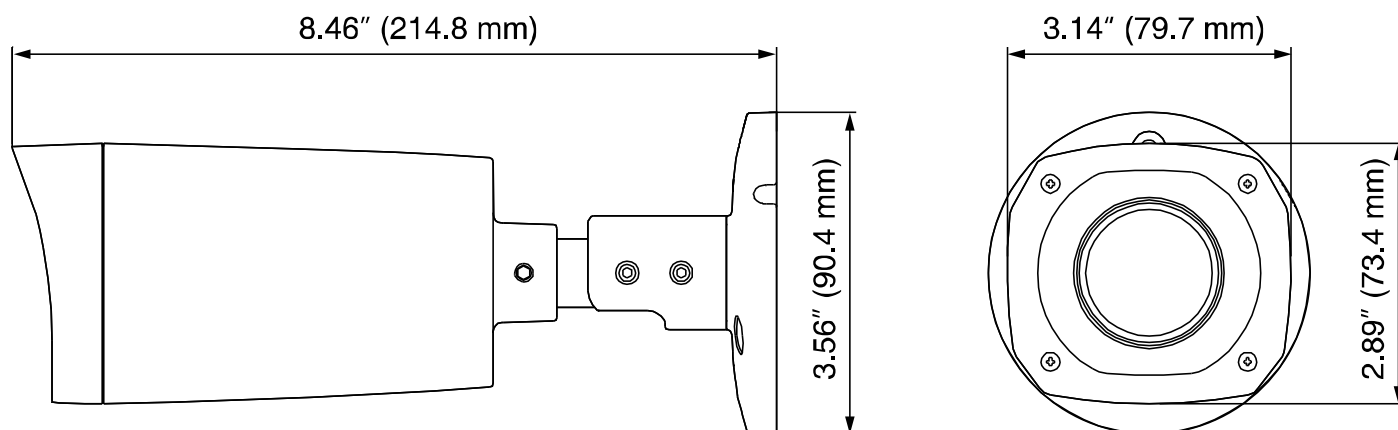
## Security Features

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

### HBW2PR2/HBW4PR2 Dimensions



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## SPECIFICATIONS

| OPERATIONAL              |                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO STANDARD           | NTSC/PAL                                                                                                                                                                                                                                                                                                                                                                                                  |
| SCANNING SYSTEM          | Progressive scan                                                                                                                                                                                                                                                                                                                                                                                          |
| IMAGE SENSOR             | HBW2PR2: 1/2.7" 2 MP CMOS<br>HBW4PR2: 1/3" 4 MP CMOS                                                                                                                                                                                                                                                                                                                                                      |
| NUMBER OF PIXELS (H×V)   | HBW2PR2: 1920×1080 (2 MP)<br>HBW4PR2: 2688×1520 (4 MP)                                                                                                                                                                                                                                                                                                                                                    |
| MINIMUM ILLUMINATION     | 0.1 lux, F1.4 (color)<br>0 lux (B/W with IR LEDs on)                                                                                                                                                                                                                                                                                                                                                      |
| S/N RATIO                | 50 dB or more                                                                                                                                                                                                                                                                                                                                                                                             |
| ELECTRONIC SHUTTER SPEED | 1/3–1/100 000 s                                                                                                                                                                                                                                                                                                                                                                                           |
| IR DISTANCE              | Up to 200 ft (60 m), depending on scene reflectance                                                                                                                                                                                                                                                                                                                                                       |
| DAY/NIGHT                | Auto(ICR)/Color/BW                                                                                                                                                                                                                                                                                                                                                                                        |
| BACKLIGHT COMPENSATION   | BLC/HLC/WDR (120 dB)                                                                                                                                                                                                                                                                                                                                                                                      |
| WHITE BALANCE            | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                               |
| GAIN CONTROL             | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                               |
| NOISE REDUCTION          | 3DNR                                                                                                                                                                                                                                                                                                                                                                                                      |
| PRIVACY MASKING          | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                                             |
| MOTION DETECTION         | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                                             |
| LENS                     | 2.7–12 mm, MFZ, F1.4                                                                                                                                                                                                                                                                                                                                                                                      |
| HORIZONTAL ANGLE OF VIEW | HBW2PR2: 93°–35°<br>HBW4PR2: 86°–30°                                                                                                                                                                                                                                                                                                                                                                      |
| CORRIDOR MODE            | Yes                                                                                                                                                                                                                                                                                                                                                                                                       |
| VIDEO                    |                                                                                                                                                                                                                                                                                                                                                                                                           |
| VIDEO COMPRESSION        | H.264/H.264H/H.264B/MJPEG                                                                                                                                                                                                                                                                                                                                                                                 |
| FRAME RATE               | HBW2PR2: 25/30 fps @ 1920×1080 (2 MP), 25/30fps @ 1280×1024 (SXGA), 25/30fps @ 1280×960 (1.3 MP), 1280×720 (720p), 704×576/704×480 (D1), 352×288/352×240 (CIF)<br>HBW4PR2: 20 fps @ 2688×1520 (4 MP); 20 fps @ 2560×1440 (4 MP); 25/30 fps @2304×1296 (3 MP), 1920×1080 (1080p), 25/30fps @ 1280×1024 (SXGA), 25/30fps @ 1280×960 (1.3 MP), 1280×720 (720p), 704×576/ 704×480 (D1), 352×288/352×240 (CIF) |
| BIT RATE (H.264)         | 32 Kbps – 10 Mbps                                                                                                                                                                                                                                                                                                                                                                                         |
| LOCAL STORAGE            | microSD, 128 GB max. (not supplied)                                                                                                                                                                                                                                                                                                                                                                       |

| 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, Profile G*                                                                                                                          |
| MAX. USER ACCESS   | 20 users                                                                                                                                             |
| MOBILE DEVICES     | HonView Touch for iPhone and Android devices                                                                                                         |
| ELECTRICAL         |                                                                                                                                                      |
| POWER SUPPLY       | PoE IEEE 802.3af Class 0, 12 VDC                                                                                                                     |
| POWER CONSUMPTION  | HBW2PR2: 13.0 W max.<br>HBW4PR2: 12.5 W max.                                                                                                         |
| MECHANICAL         |                                                                                                                                                      |
| DIMENSIONS         | 2.89 × 3.14 × 8.46 in.<br>(73.4 × 79.7 × 214.8 mm)                                                                                                   |
| WEIGHT             | 1.43 lb (0.65 kg)                                                                                                                                    |
| CONSTRUCTION       | Die-cast aluminum housing with powder coat                                                                                                           |
| CONSTRUCTION COLOR | RAL 9003 (White)                                                                                                                                     |
| ENVIRONMENTAL      |                                                                                                                                                      |
| TEMPERATURE        | –22°F to 140°F (–30°C to 60°C)                                                                                                                       |
| 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)                                                                                           |

\* 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.



### SYSTEM COMPATIBILITY

#### NVRS

|             |                                                           |
|-------------|-----------------------------------------------------------|
| HEN041*2(X) | H.264 4-Channel 1080p<br>Embedded Network Video Recorder  |
| HEN081*2(X) | H.264 8-Channel 1080p<br>Embedded Network Video Recorder  |
| HEN161*2(X) | H.264 16-Channel 1080p<br>Embedded Network Video Recorder |

## ORDERING

### ACCESSORIES

#### MOUNTS

|           |              |
|-----------|--------------|
| HBS2-BB   | Junction box |
| HQA-PM    | Pole mount   |
| HB34S2-CM | Corner mount |

### CAMERAS

|         |                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------|
| HBW2PR2 | Network TDN WDR IR Bullet Camera, 1/2.7" CMOS, 2 MP, 2.7-12 mm MFZ, 4 High Power IR LEDs, PoE, H.264 |
| HBW4PR2 | Network TDN WDR IR Bullet Camera, 1/3" CMOS, 4 MP, 2.7-12 mm MFZ, 4 High Power IR LEDs, PoE, H.264   |

### For more information

[www.honeywell.com/security](http://www.honeywell.com/security)

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