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.
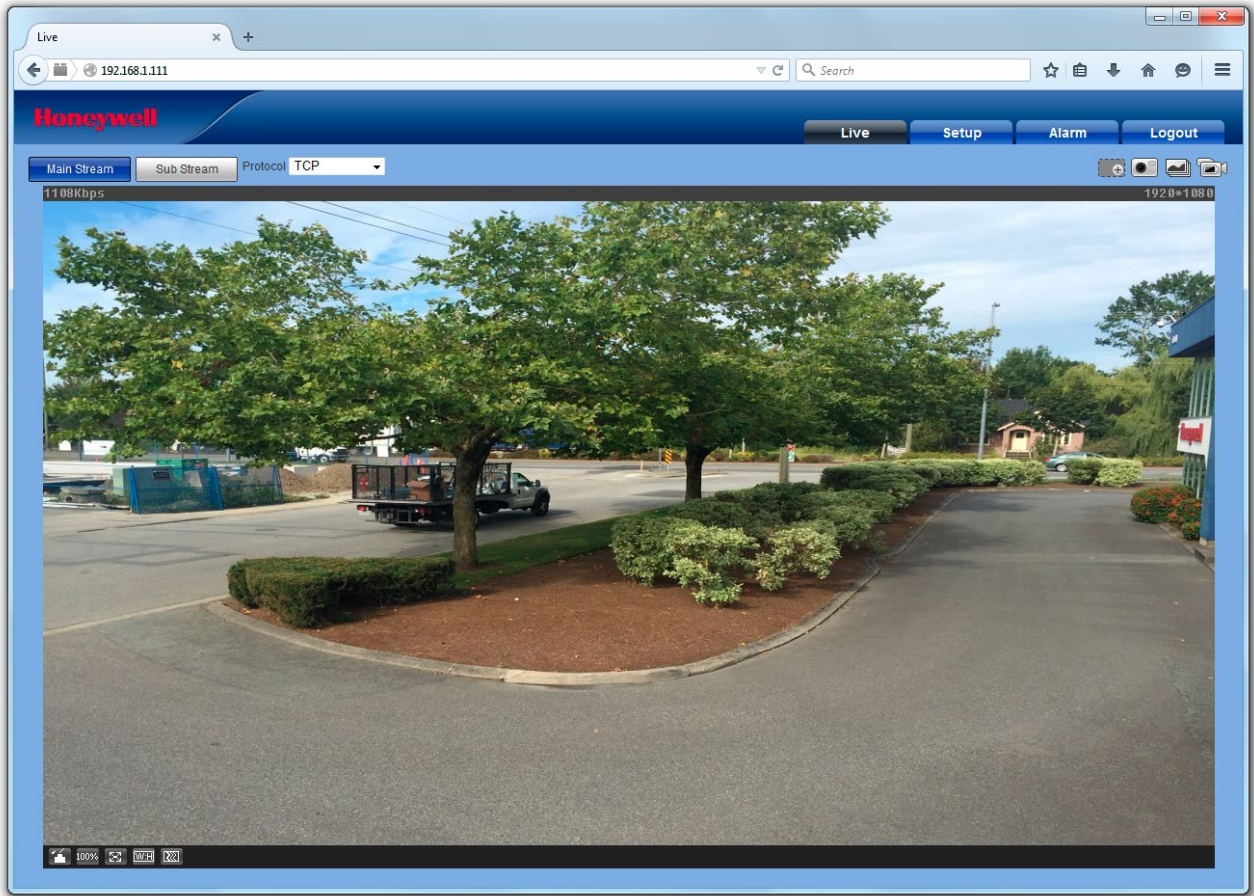
FEATURES AND BENEFITS

- 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager
- 2.7–12 mm MFZ lens
- True day/night (IR-cut filter)

- Wide dynamic range up to 120 dB
- Low-light performance down to 0.1 lux (color) or 0 lux with IR LEDs on
- Up to 200 ft (60 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 IP66-rated housing
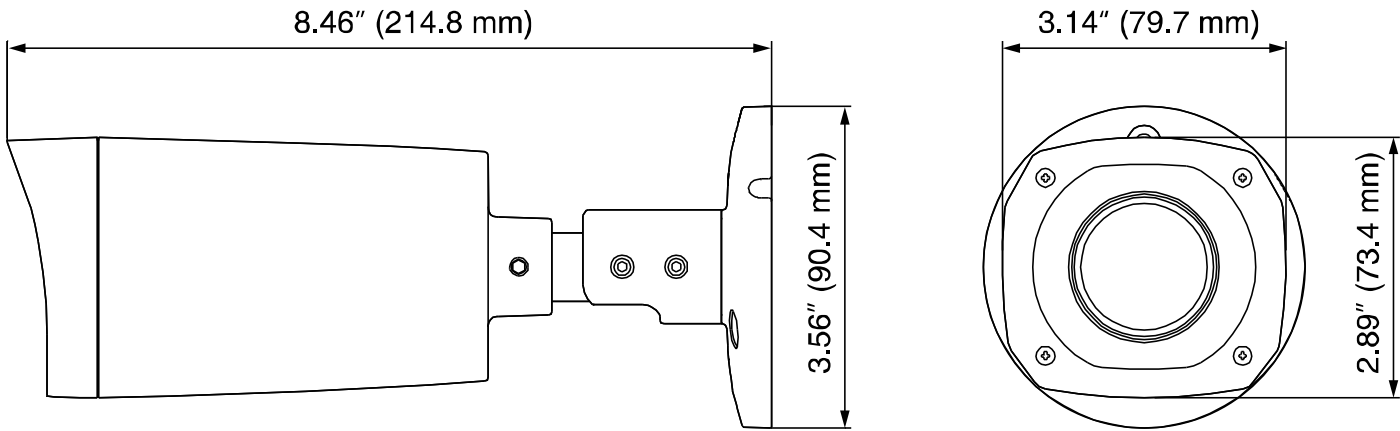
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Security Features

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

8.46" (214.8 mm)

3.56" (90.4 mm)

3.14" (79.7 mm)

2.89" (73.4 mm)

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SPECIFICATIONS

OPERATIONAL	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	**HBW2PR2:** 1/2.7" 2 MP CMOS **HBW4PR2:** 1/3" 4 MP CMOS
NUMBER OF PIXELS (H×V)	**HBW2PR2:** 1920×1080 (2 MP) **HBW4PR2:** 2688×1520 (4 MP)
MINIMUM ILLUMINATION	0.1 lux, F1.4 (color) 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:** 93º–35º **HBW4PR2:** 86º–30º
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) **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. **HBW4PR2:** 12.5 W max.

MECHANICAL	
DIMENSIONS	2.89 × 3.14 × 8.46 in. (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	−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)

* 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.

SYSTEM COMPATIBILITY	
NVRS	
HEN041*2(X)	H.264 4-Channel 1080p Embedded Network Video Recorder
HEN081*2(X)	H.264 8-Channel 1080p Embedded Network Video Recorder
HEN161*2(X)	H.264 16-Channel 1080p 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

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