

HBW4PER2

WDR 4 MP IR Bullet Camera






OPERATIONAL	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	1/3" 4 MP CMOS
NUMBER OF PIXELS (H × V)	2688 × 1520
MINIMUM ILLUMINATION	0.03 lux colour @ F1.4(Colour, 1/3s, 30 IRE) 0 lux B/W with IR LEDs on @ F1.4
S/N RATIO	> 45 dB
ELECTRONIC SHUTTER SPEED	1/3(4) – 1/100,000 s
IR DISTANCE	Up to 50 m (164 ft), depending on scene reflectance
SMART IR	Auto/Manual
DAY/NIGHT	Auto (ICR)/Colour/BW
BACKLIGHT COMPENSATION	BLC/HLC/WDR (120 dB)
WHITE BALANCE	Auto/Natural/Street Lamp/Outdoor/Manual
GAIN CONTROL	Auto/Manual
WIDE DYNAMIC RANGE	True WDR (120 dB)
NOISE REDUCTION	3D DNR
PRIVACY MASKING	Up to 4 configurable zones
MOTION DETECTION	Up to 4 configurable zones
REGION OF INTEREST	Up to 4 configurable zones
DIGITAL ZOOM	16x
LENS	2.7 – 13.5 mm, MFZ, F1.4
ANGLE OF VIEW	104° – 28° (H), 55° – 16° (V)
VIDEO	
VIDEO COMPRESSION	H.265+/H.265/H.264+/H.264
RESOLUTION	4 MP (2688×1520), QHD (2560×1440), 3 MP (2304×1296), 1080p (1920×1080), SXGA (1280×1024), 1.3 MP (1280×960), 720p (1280×720), D1 (704×576/704×480), VGA (640×480), CIF (352×288/352×240)
FRAME RATE	4 MP at 1 – 20fps, 3 MP at 1 – 25/30fps D1/CIF at 1 – 25/30fps
BIT RATE CONTROL	CBR/VBR
BIT RATE	H.265: 12K – 8448 Kbps H.264: 32K – 10240 Kbps
NETWORK	
ETHERNET	RJ-45 (10/100BASE-T)
SUPPORTED WEB BROWSERS	Internet Explorer (11.0+)
SUPPORTED OS	Windows 7 32-bit

NETWORK (CONT'D)	
PROTOCOLS	IPv4/v6, TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, FTP, SMTP, DHCP, PPPoE, UPnP, SNMP v2/v3, Bonjour, DNS, DDNS, IEEE 802.1X, QoS, NTP
INTEROPERABILITY	ONVIF Profile S, Profile G
MAXIMUM USER ACCESS	20 users
SECURITY	User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES-256, SSH/Telnet closed, FTP disabled
EVENT	No SD card, SD card error, SD card capacity warning, network disconnection, IP address conflict, illegal access, video tampering, motion detection
EVENT NOTIFICATION	Record (SD card, NAS, and FTP), relay output, email, snapshot
MICRO SD	Up to 128 GB microSDHC card, Class 10 (not included)
ELECTRICAL	
POWER SUPPLY	PoE (802.3af) Class 0, 12 VDC
POWER CONSUMPTION	11.74 W max. (IR LEDs on)
MECHANICAL	
DIMENSIONS	214.8 mm × 90.4 mm (8.46" × 3.56")
PRODUCT WEIGHT	0.685 kg (1.51 lb)
PACKAGE WEIGHT	0.86 kg (1.90 lb)
CONSTRUCTION	Die-cast aluminum housing with powder coat
CONSTRUCTION COLOUR	RAL 9003 (White)
ENVIRONMENTAL	
OPERATING TEMPERATURE	-30°C to 60°C (-22°F to 140°F)
STORAGE TEMPERATURE	-30°C to 60°C (-22°F to 140°F)
RELATIVE HUMIDITY	Less than 95%, non-condensing
INGRESS PROTECTION	IP66
REGULATORY	
EMISSIONS	FCC Part 15B, EN 55032
IMMUNITY	EN 50130-4
SAFETY	EU: EN 60950-1 North America UL listed to UL/CSA 60950-1
ROHS	EN 50581

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RECOMMENDED ACCESSORIES

SYSTEM COMPATIBILITY		MOUNTS AND ACCESSORIES	
HEN*4	8/16/32/64-channel Focus 4K NVRs (H.264/H.265)	HQA-PM2**	 Pole Mount Bracket
HEN*2	4/8/16-channel Performance Series NVRs (H.264)	HB34S2-CM**	 Corner Mount Bracket
		HBS2-BB	 Junction Box

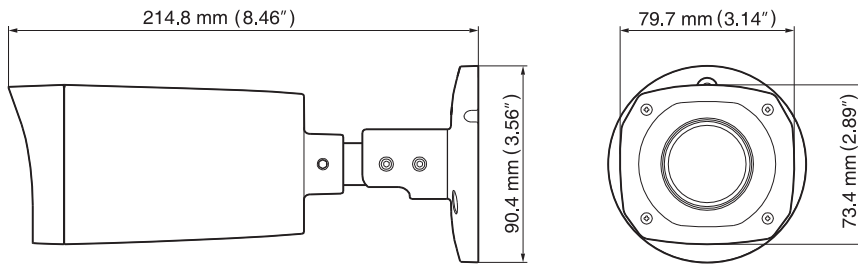
* Pre-installed storage (TB).

** The HBS2-BB junction box must be used when installing the camera to HQA-PM2 or HB34S2-CM.

ORDERING

HBW4PER2	Network WDR 4 MP IR Bullet Camera, 1/3" CMOS, 2.7-13.5 mm MFZ, 4 IR LEDs, PoE, H.265+
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DIMENSIONS



For more information

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Honeywell

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
- -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 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.

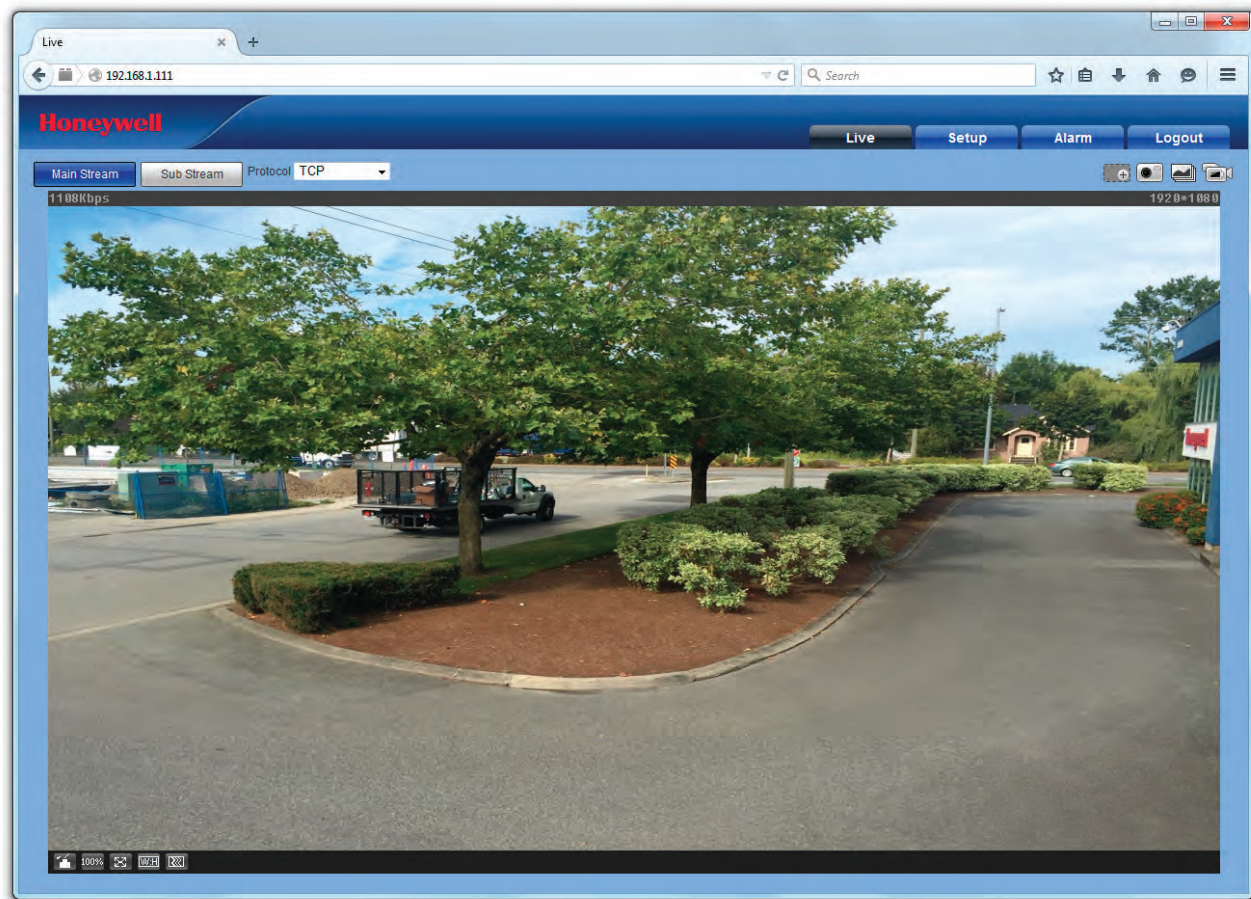
FEATURES AND BENEFITS

- 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

TDN WDR IR MFZ Bullet Camera

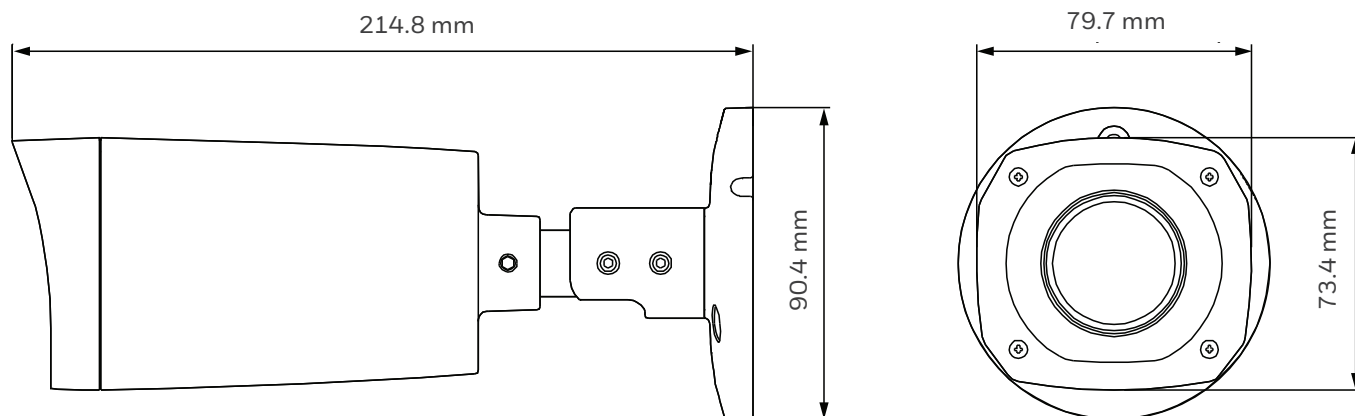
Security Features

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



TDN WDR IR MFZ Bullet Camera

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: 93°–35° 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) 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	73.4 × 79.7 × 214.8 mm (2.89 × 3.14 × 8.46 in.)
WEIGHT	1.43 lb (0.65 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)

* Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

TDN WDR IR MFZ Bullet Camera

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

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