

# HBD8GR1

## 12 MP (4K ULTRA HD) IR BULLET IP CAMERAS

- Ultra HD 4K/12 MP resolution at 20 fps or 8 MP at 25/30 fps
- Up to triple stream support
- 210 ft (65 m) IR distance, depending on scene reflectance
- 1/1.7" 12 megapixel progressive scan CMOS imager
- Excellent low light performance with down to 0 lux BW (with IR LEDs on)
- Digital WDR
- Choice of 24 V AC, 12 V DC or PoE+ (802.3at) power inputs
- 5.1-12.8 mm, F1.7, motorized focus and zoom lens
- Rugged outdoor housing with IP67 ingress protection rating and IK10 impact resistance rating
- Corridor mode viewing capability
- On board camera storage up to 128 GB microSD card (not included)
- ONVIF profile S and G compliant
- Built-in cybersecurity hardware chipset
- Global language support with 15 languages for all QIGs, Web GUI, and online help



(Back box sold separately)



### SYSTEM OVERVIEW

Honeywell is taking quality and reliability to the next level with the new equiP® line of 4K Ultra HD IP bullet cameras. The Honeywell TDN Ultra HD IR rugged bullet cameras offer incomparable picture clarity, hassle-free flexible system integration, and secure data transmission and they install easily too!

### MARKET OPPORTUNITIES

These fully featured attractive cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek modern design and offering 4K high definition images, the cameras are suited for a wide range of applications.

### ONBOARD VIDEO STORAGE

Supports up to 128 GB microSDHC (Class 10) card for local video storage when network is interrupted. Card not included.

**Honeywell**

## Technical Specification

### Ultra HD 4K Image Quality

- Ultra HD 12 MP (4K) 20 fps image with a 1/1.7" 12 megapixel progressive scan CMOS, or full HD 8 MP 25/30 fps image
- Digital WDR (DWDR) ensures glare-free images
- True Day/Night provides vivid color images by day and clear black-and-white images at night using a removable IR cut filter
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth together with H.265 Profile codec

### Flexible Surveillance Solution

- 5.1–12.8 mm, F1.7, motorized focus/zoom lens
- H.265, H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 210 ft (65 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Waterproof (IP67) and IK10 impact-resistant camera housing
- –40°F to 140°F (–40°C to 60°C) working temperature
- ONVIF Profile S and G compliant
- Security features include individual signed certificates and data encryption
- Cameras can be retrofitted on many existing DVR/NVR installations without requiring additional storage.

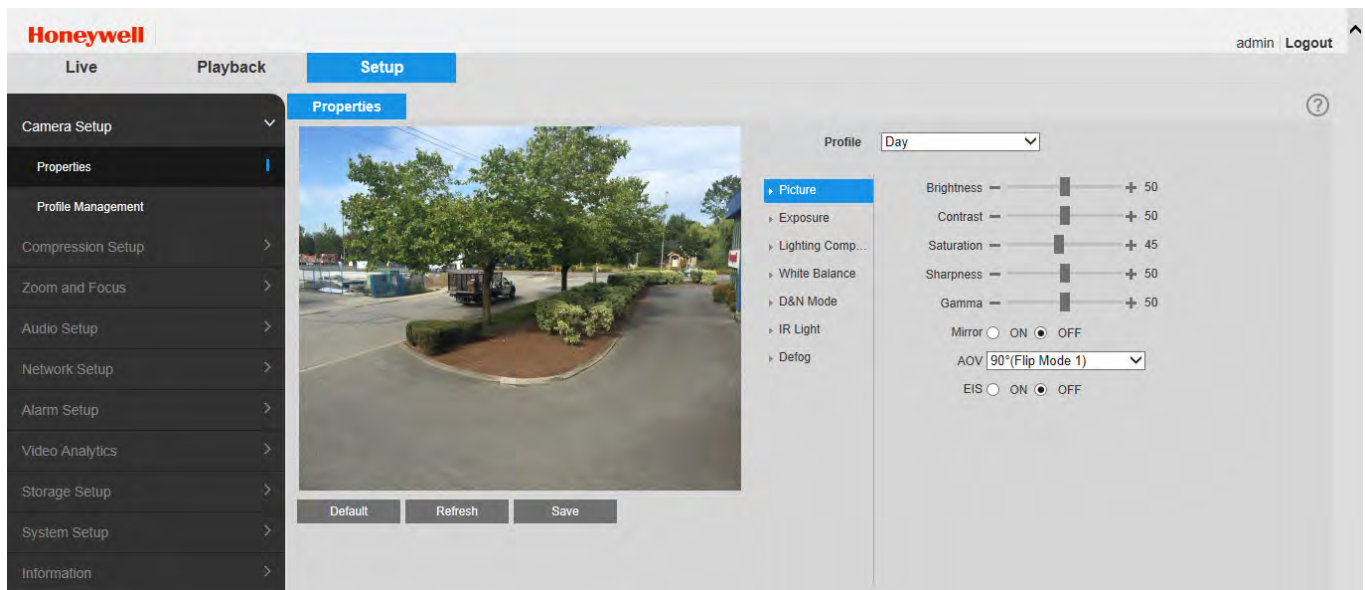
### Easy to Install and Use

- Built-in PoE+ (Power over Ethernet 802.3at) eliminates separate power supply and associated wiring; 24 V AC/12 V DC inputs where PoE power is unavailable.
- Remote configuration, motorized zoom adjustments and auto focus through web client or from the NVR
- Included accessories: security screw driver, mounting screws, conduit adapter, and mounting template

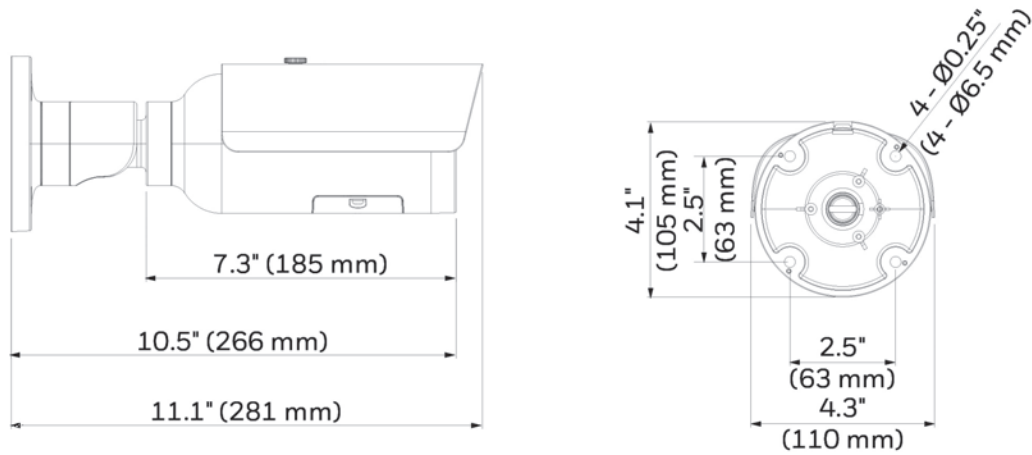
## HBD8GR1

### Features

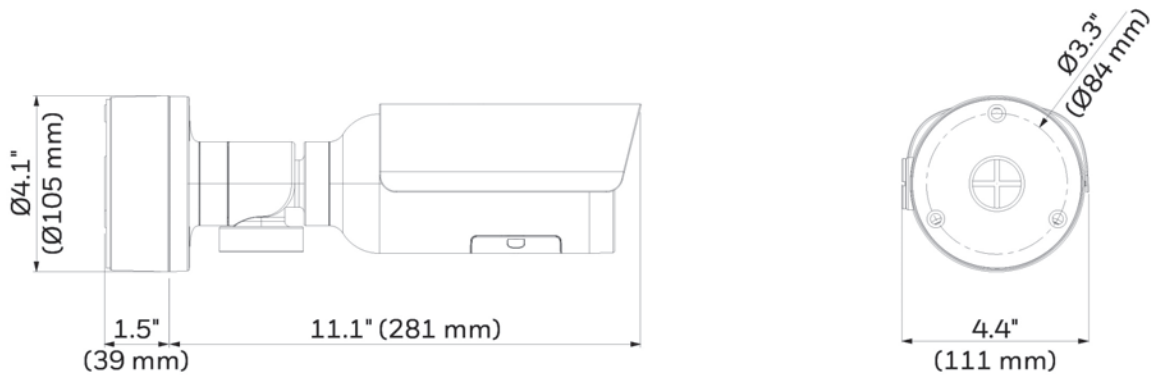
The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending a still image of the event through email and/or FTP; and recording a video clip of the event to a configured microSDHC card. Setup can be done through the web client.



Dimensions



HBG-BB Back Box Mount Option



Technical Specification			
<b>OPERATIONAL</b>		<b>IP SPECIFICATIONS</b>	
VIDEO STANDARD	NTSC/PAL	VIDEO COMPRESSION	H.265/H.264+/H.264/MJPEG Bit rate control (CBR and VBR)
SCANNING SYSTEM	Progressive scan		
IMAGE SENSOR	1/1.7" 12 MP progressive CMOS		
NUMBER OF PIXELS (H×V)	4000 × 3000	RESOLUTION	16:9 8M (3840×2160) / 3M (2304×1296) / 1080p (1920×1080) / 720p (1280×720)
MINIMUM ILLUMINATION	0.02 lux color @ F1.7/0 lux B/W with IR LEDs off @ F1.7		4:3 12M (4000×3000) / 5M (2560×1920) / 3M (2048×1536) / 1.3M (1280×960) / VGA (640×480) / CIF (352×288/352×240)
S/N RATIO	50 dB		OTHER 8M (4096×2160) / 6M (3072×2048) / SXGA (1280×1024) / D1 (704×576/704×480)
ELECTRONIC SHUTTER SPEED	Auto, Manual, 1/3(4)–1/100 000 s	FRAME RATE	MAIN STREAM 12M (4000×3000) 1–20 fps / 8M (4096×2160) or lower resolution at 1–25/30 fps
IR DISTANCE	Up to 210 ft (65 m), depending on scene reflectance		SUB STREAM D1/VGA/CIF up to 25/30 fps
DAY/NIGHT	Auto(ICR)/Color/BW		TRIPLE STREAM 1080p/720p/D1/VGA up to 25/30 fps
BACKLIGHT COMPENSATION	BLC/HLC/DWDR/SSA	AUDIO COMPRESSION	
WIDE DYNAMIC RANGE	Digital WDR (DWDR)	AUDIO STREAM	
WHITE BALANCE	Auto/Natural/Street Lamp/Outdoor/Customize Region	SD CARD FUNCTION	
GAIN CONTROL	Auto/Manual	SD CARD	
NOISE REDUCTION	3DNR	<b>IP SPECIFICATIONS (CONT'D)</b>	
PRIVACY MASKING	Up to 4 areas		
CORRIDOR MODE	Yes	PROTOCOLS*	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, SSL, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, Bonjour, DNS, DDNS, IEEE 802.1X, QoS, NTP, IP Filter, Multicast, ONVIF
ELECTRONIC IMAGE STABILIZATION	Off/On		
DEFOG	Auto/Manual/Off	COMPATIBILITY	ONVIF Profile S/G
LENS	5.1–12.8 mm, MFZ, F1.7	MAX. USER ACCESS	20 users
HORIZONTAL ANGLE OF VIEW	86°–35°	SUPPORTED WEB BROWSERS	Internet Explorer (11.0+), Firefox, Chrome
AUDIO/TWO-WAY	Line In/Out	SUPPORTED OS	Windows 7 32-bit/64-bit, Windows 10
ALARM INPUT/OUTPUT	2/1		
ETHERNET	RJ-45 (10/100/1000Base-T)		
ANALOG OUTPUT	BNC Connector		


## Technical Specification

IP SPECIFICATIONS (CONT'D)		MECHANICAL	
SECURITY	Multiple user access levels with enhanced password policy, IP filtering, IEEE 802.1X, strong digest authentication for access permission, HTTPS, TLS1.2 only, high-strength encrypted algorithm AES-256, SSH/Telnet closed, FTP disabled to reduce surface being attacked. PCI-DSS compliant, built-in cybersecurity hardware chipset	DIMENSIONS	11.1 × 4.3 in. (281.0 × 110.0 mm)
		PRODUCT WEIGHT	4.4 lb (2.0 kg)
LANGUAGES SUPPORTED	English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish	PACKAGE WEIGHT	5.0 lb (2.3 kg)
		CONSTRUCTION	Die-cast aluminum housing with powder coat
ELECTRICAL		CONSTRUCTION COLOR	RAL9003 (White) and RAL7022 (Gray)
		ENVIRONMENTAL	
POWER SUPPLY	PoE+ (802.3at) Class 4, 12 V DC/24 V AC	TEMPERATURE	−40°F to 140°F (−40°C to 60°C)
AC FREQUENCY	50/60 Hz	RELATIVE HUMIDITY	Less than 95%, non-condensing
POWER CONSUMPTION	18 W max. (IR LEDs on, motorized lens working)	INGRESS PROTECTION	IP67
		IMPACT RESISTANCE	IK10
		REGULATORY	
		EMISSIONS	EN 55032, FCC Part 15B AS/NZS CISPR 22:2009+ A1 (2010)
		IMMUNITY	EN50130-4
		SAFETY	EN5EN 60950-1, EN 60950-22 UL Listed to UL/CSA 60950-1, 60950-220130-4
		SAFETY	EN 50581





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

## ORDERING

### SYSTEM INTEGRATION

OPEN IP INTEGRATION	
ONVIF support and open API software integration. Refer to <a href="http://www.onvif.org">www.onvif.org</a> for the ONVIF specification and the Honeywell Open Technology Alliance website ( <a href="http://www.security.honeywell.com/hota/">http://www.security.honeywell.com/hota/</a> ) to learn more about our open and integrated solutions.	

### ACCESSORIES

HOUSINGS AND MOUNTS		
HBG-BB		IP66 Back Box with Gasket (for Cable Termination)
HBG-FP		Front Lens Plate Replacement (if Vandalized)
HB4G-PM		Pole Mount Adapter
HB34G-CM		Corner Mount Adapter

## HONEYWELL DEVICE INTEGRATION

MAXPRO® NVR FAMILY	Entry to Enterprise Level Network Video Recorders (version 4.0 and greater)
MAXPRO® VMS FAMILY	Entry to Enterprise Level Network Video VMS (version R410 and greater)
DVM	DVM R600.1 SP1
HUS	HUS 5.1

## ORDERING

CAMERAS	
HBD8GR1	Network TDN Ultra 4K HD IR Bullet Camera, 1/1.7" CMOS, 12 MP, 5.1–12.8 mm MFZ, 4 IR LEDs, PoE+, H.265

### NOTE:

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

For more information,  
<https://honeywellbuildings.in>  
Call: 1-800-103-0339  
Email: [HBT-Indiabuildings@honeywell.com](mailto:HBT-Indiabuildings@honeywell.com)

**Honeywell HBT India Buildings**  
Unitech Trade Center, 5th Floor, Sector-43,  
Block C, Sushant Lok Phase - I,  
Gurgaon - 122 002

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

© 2020 Honeywell International Inc.

**HBD8GR1**  
**12 MP (4K ULTRA HD) IR BULLET IP CAMERAS**

**Honeywell**