

HBL2GR1/HBW2GR1/ HBW2GR3/HBW4GR1

WDR IR Rugged IP Bullet Cameras

Honeywell is taking quality and reliability to the next level with the New equiP® range of rugged IP bullet cameras. The Honeywell TDN ultra low-light IR rugged bullet cameras offer outstanding picture clarity, hassle-free flexible system integration, and secure data transmission—and they look great too!

Superior Image Quality

- Full HD 1080p 25/30 fps image with a 1/2.7" or 1/2.8" 2 MP sensor, or full HD 4 MP 20 fps image with a 1/3" 4 MP sensor
- True WDR, up to 140 dB, ensures glare-free images
- True Day/Night provides vivid colour 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 together with H.264 High Profile codec
- Ultra Low Light technology is able to capture high quality colour images in low light environments

Flexible Surveillance Solution

- 2.7-12 mm or 5-50 mm, F1.4, motorized focus/zoom lens
- H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 60 m (195') of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Waterproof (IP67) and IK10 vandal resistant camera housing
- -40°C to 60°C (-40°F to 140°F) 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



HD

Back box sold separately



Easy to Install and Use

- Built-in PoE (Power over Ethernet) 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, and mounting template

Onboard Video Storage

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

FEATURES AND BENEFITS

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 two different lens options, the cameras are suited for a wide range of applications.

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|--|---|---|--|--|
| • 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager | • 60 m (195') IR distance, depending on scene reflectance | • Up to triple stream support | • Rugged outdoor housing with IP67 ingress protection rating and IK10 vandal resistance rating | • On board camera storage: up to 128 GB micro SD card (not included) |
| • Ultra-low light performance | • True WDR: up to 140 dB | • Up to 4 MP resolution at 20 fps or 1080p at 25/30 fps | • Corridor mode viewing capability | • ONVIF profile S and G compliant |
| | • Excellent low light performance with down to 0 lux BW (with IR LEDs on) | • 2.7-12 mm or 5-50 mm, F1.4, motorized focus and zoom lens | | |

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185 mm (7.3")

266 mm (10.5")

281 mm (11.1")

105 mm (4.1")

63 mm (2.5")

63 mm (2.5")

110 mm (4.3")

4 - Ø6.5 mm (4 - Ø2.5")

HBG-BB Back Box Mount Option

39 mm (1.5")

281 mm (11.1")

Ø41.1"

Ø84 mm (Ø3.3")

111 mm (4.4")

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SPECIFICATIONS

OPERATIONAL		
VIDEO STANDARD		NTSC/PAL
SCANNING SYSTEM		Progressive scan
IMAGE SENSOR		HBL2GR1: 1/2.8" 2 MP progressive CMOS
		HBW2GR1/HBW2GR3: 1/2.7" 2 MP progressive CMOS
		HBW4GR1: 1/3" 4 MP progressive CMOS
NUMBER OF PIXELS (H×V)		HBL2GR1/HBW2GR1/HBW2GR3: 1920 × 1080
		HBW4GR1: 2560x1440
MINIMUM ILLUMINATION		HBL2GR1: 0.005 lux colour/0 lux with IR LEDs on @ F1.4
		HBW2GR1/HBW2GR3/HBW4GR1: 0.01 lux colour/0 lux with IR LEDs on @ F1.4
S/N RATIO		50 dB or more
ELECTRONIC SHUTTER SPEED		Auto, Manual, 1/3(4)-1/10 000 s
IR DISTANCE		Up to 60 m (195'), depending on scene reflectance
DAY/NIGHT		Auto(ICR)/Colour/BW
BACKLIGHT COMPENSATION		BLC/HLC
WIDE DYNAMIC RANGE		HBL2GR1: 140 dB
		HBW2GR1/HBW2GR3/HBW4GR1: 120 dB
WHITE BALANCE		Auto/Manual
GAIN CONTROL		Auto/Manual
NOISE REDUCTION		3DNR
PRIVACY MASKING		Up to 4 areas
CORRIDOR MODE		Yes
LENS		HBL2GR1/HBW2GR1/H4W4GR1: 2.7-12 mm, MFZ, F1.4
		HBW2GR3: 5-50 mm, MFZ, F1.4
HORIZONTAL ANGLE OF VIEW		HBL2GR1: 97°-34°
		HBW2GR1/HBW4GR1: 99°-34°
		HBW2GR3: 66°-6.2°
AUDIO/TWO-WAY		Line In/Out
IP SPECIFICATIONS		
VIDEO COMPRESSION		H.264/H.264H/H.264B/MJPEG
RESOLUTION		HBL2GR1/HBW2GR1/HBW2GR3: 1080p (1920×1080)/ SXGA (1280x1024)/1.3M (1280×960)/ 720p(1280×720)/ D1(704×576/704×480)/ CIF(352×288/352×240)
		HBW4GR1: 4M (2688x1520 with Analog video output off, or 2560x1440 with Analog video output on)/3M (2304×1296)/1080p (1920×1080)/ SXGA (1280x1024)/1.3M (1280×960)/720p (1280×720)/ D1 (704×576/704×480)/CIF (352×288/352×240)
FRAME RATE	MAIN STREAM	HBW2GR1/HBW2GR3/HBL2GR1 (PAL): 1-25 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x576) HBW2GR1/HBW2GR3/HBL2GR1 (NTSC): 1-30 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x480) HBW4GR1 (PAL): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-25 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p) HBW4GR1 (NTSC): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-30 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p)
		HBW2GR1/HBW2GR3/HBL2GR1 (PAL): 1-25 fps (D1-704x576, CIF-352x288) HBW2GR1/HBW2GR3/HBL2GR1 (NTSC): 1-30 fps (D1-704x480, CIF-352x240) HBW4GR1 (PAL): 1-20 fps (720p, D1-704x576, CIF-352x288) HBW4GR1 (NTSC): 1-20 fps (720p, D1-704x480, CIF-352x240) HBL2GR1 (PAL): 1080p 1-20 fps, 1-25 fps (720p, D1-704x576) HBL2GR1 (NTSC): 1080p 1-15 fps, 1-30 fps (720p, D1-704x480)
PROTOCOLS*		IPv4/IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, QoS, SNMP v2c/v3, LDAP (Client), NFS, RTCP, Bonjour
COMPATIBILITY		ONVIF Profile S/G
MAX. USER ACCESS		20 users
LANGUAGES SUPPORTED		English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish
ELECTRICAL		
INPUT VOLTAGE		12VDC +/-10%, 24VAC +/-10%, PoE IEEE 802.3af
AC FREQUENCY		50/60 Hz
POWER CONSUMPTION		24VAC 12W max (zoom/focus/IRs/heater active), typical 10.5W PoE (802.3af) Class 0
		HBL2GR1 PoE (802.3at) 24VAC 14.5W Class 4
MECHANICAL		
DIMENSIONS		281.0 × 110.0 mm (11.1" × 4.3")
PRODUCT WEIGHT		2.0 kg (4.4 lb)
PACKAGE WEIGHT		2.3 kg (5.0 lb)
CONSTRUCTION		Die-cast aluminum housing with powder coat
CONSTRUCTION COLOUR		RAL9003 (White) and RAL 7022 (Gray)
RECORDING AND STORAGE		Up to 128 GB microSDHC card Class 10 (not included)
ENVIRONMENTAL		
TEMPERATURE		-40°C to 60°C (-40°F to 140°F)
RELATIVE HUMIDITY		10% to 100%, condensing
INGRESS PROTECTION		IP67
VANDAL RESISTANCE		IK10
REGULATORY		
EMISSIONS		FCC Part 15, CE (EN 55022); Complies with RCM (AS/NZS)
IMMUNITY		CE (EN 50130-4)
SAFETY		North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1)
		North America UL Listed to UL/CSA 60950-22, CE (EN 60950-22)
NOTE: *Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.		

HBL2GR1/HBW2GR1/HBW2GR3/HBW4GR1

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ORDERING

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.



ACCESSORIES

HOUSINGS AND MOUNTS

HBG-BB	IP66 Back Box (for Cable Termination)
HBG-FP	Front Lens Plate (for Replacement if Vandalized)

ORDERING

CAMERAS

HBL2GR1	Network TDN Ultra Low-Light, 140 dB Wide Dynamic, IR Bullet Camera, 1/2.8" Imager, 2 MP, 2.7-12 mm MFZ Lens, 4 IR LEDs, PoE+, H.264
HBW2GR1	Network TDN Low-Light, 120 dB Wide Dynamic, IR Bullet Camera, 1/2.7" Imager, 2 MP, 2.7-12 mm MFZ Lens, 4 IR LEDs, PoE, H.264
HBW2GR3	Network TDN Low-Light, 120 dB Wide Dynamic, IR Bullet Camera, 1/2.7" Imager, 2 MP, 5-50 mm MFZ Lens, 4 IR LEDs, PoE, H.264
HBW4GR1	Network TDN Low-Light, 120 dB Wide Dynamic, IR Bullet Camera, 1/3" Imager, 4 MP, 2.7-12 mm MFZ Lens, 4 IR LEDs, PoE, H.264

Find out more

www.honeywellipsolutions.com/uk

Email: securitysales@honeywell.com

Honeywell Security and Fire

United Kingdom
Aston Fields Road
Whitehouse Industrial Estate
Runcorn, Cheshire WA7 3DL
United Kingdom
Tel: +44 (0)8448 000 235
www.honeywell.com

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HSFV-equiP_Bullet-01-UK(0716)DS-E
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