

HBW2GR3V/HBW2GR1V/HBL2GR1V/ HBW4GR1V

Network TDN Low-Light WDR 2MP/4MP IR Rugged Bullet



HD Onvif® | S G Q

OPERATIONAL	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	HBW2GR3V, HBW2GR1V, HBL2GR1V: 1/2.8" 2Megapixel progressive scan CMOS HBW4GR1V: 1/3" 4 Megapixel progressive scan CMOS
NUMBER OF PIXELS (H × V)	HBW2GR3V, HBW2GR1V, HBL2GR1V: 2MP - 1920x1080 HBW4GR1V: 4MP - 2560x1440/2688x1520
MINIMUM ILLUMINATION	HBW2GR3V, HBW2GR1V, HBL2GR1V: Color: 0.001Lux @f/1.6, B/W: 0Lux @f/1.6(IR on) HBW4GR1V: Color: 0.01Lux @f/1.6, B/W: 0Lux @f/1.6(IR on)
S/N RATIO	50db minimum
ELECTRONIC SHUTTER SPEED	Auto/Manual, 1/3(4) ~1/100000s
IR DISTANCE	60m
DAY/NIGHT	Mechanical ICR (ON / OFF / AUTO selectable)
BACKLIGHT COMPENSATION	BLC / HLC / WDR / SAC (Scene Adaptive Control)
WIDE DYNAMIC RANGE (WDR)	HBL2GR1V: 140dB (50/60fps off) HBW2GR1V, HBW2GR3V, HBW4GR1V: 120dB (50/60fps off)
WHITE BALANCE	Auto/Natural/Street Lamp/Outdoor/Manual/Customize Region
GAIN CONTROL	Auto/Manual
NOISE REDUCTION	3DNR
PRIVACY MASKING	4 configurable windows
ELECTRONIC IMAGE STABILIZATION	HBW2GR3V, HBW2GR1V, HBW4GR1V: Not supported HBL2GR1V: OFF/ON
DEFOG	Auto/Manual/Off
LENS	HBW2GR3V: 5-60mm MFZ, HALL IRIS(Extended Focal Depth), optical zoom 12x lens F1.6
	HBW2GR1V, HBW4GR1V: 2.7-13.5 mm MFZ, DC IRIS, optical zoom 5x lens F1.6
	HBL2GR1V: 2.7-12 mm MFZ, HALL IRIS(Extended Focal Depth), optical zoom 4x lens F1.6
ANGLE OF VIEW	HBW2GR3V: H: 62° - 6°, V: 34° - 4° HBW2GR1V: H: 110° - 32°, V: 59° - 19° HBL2GR1V: H: 102° - 35°, V: 54° - 21° HBW4GR1V: H: 110° - 30°, V: 53° - 18°
AUDIO/TWO-WAY	Line In/Out
ALARM INPUT/OUTPUT	2 In / 1 Out
ANALOG OUTPUT SUPPORT	Twin outputs (for adjustment only)
ETHERNET	HBW2GR3V, HBW2GR1V, HBW4GR1V: RJ-45 (10/100Base-T) HBL2GR1V: RJ-45 (100/1000Base-T)

IP SPECIFICATIONS	
VIDEO COMPRESSION	H.265+, H.265, H.264 and MJPEG bit rate control (CBR and VBR)
RESOLUTION	16:9 HBW2GR3V, HBW2GR1V, HBL2GR1V: 1080p (1920x1080)/ 720p (1280x720) HBW4GR1V: 3M (2304x1296)/1080p (1920x1080)/ 720p (1280x720)
	4:3 1.3M (1280x960)/VGA (640x480)
	OTHER HBW2GR3V, HBW2GR1V, HBL2GR1V: D1 (704x576/704x480)/ CIF (352x288/352x240) HBW4GR1V: 4M (2688x1520)/(2560x1440)/ D1 (704x576/704x480)/ CIF (352x288/352x240)

IP SPECIFICATIONS	
FRAME RATE	MAIN STREAM HBW2GR3V, HBW2GR1V, HBL2GR1V: 1080P (1~50/60fps WDR off) HBW4GR1V: 4M (1~25/30fps)
	SUB STREAM HBW2GR3V, HBW2GR1V, HBL2GR1V: D1 (1~50/60fps WDR off) HBW4GR1V: D1 (1~25/30fps)
	THIRD STREAM HBW2GR3V, HBW2GR1V: 1080P (1-25/30fps) HBL2GR1V: 1080P (1-50/60fps WDR off) HBW4GR1V: 4M (1~25/30fps) HBW2GR3V, HBW2GR1V: Simultaneous Main stream and Third stream at 1080P (Main stream +Third stream <=68fps, WDR off, 2nd stream off) HBL2GR1V: Simultaneous Main stream and Third stream at 1080P (Main stream at 50/60fps WDR off, Third stream at 50/60fps WDR off) HBW4GR1V: Simultaneous Main stream and Third stream at 4MP (Main stream +Third stream <=34fps, 2nd stream off)
AUDIO COMPRESSION	
AUDIO STREAM	
SUPPORTED WEB BROWSERS	
SUPPORTED OS	
SUPPORTED PROTOCOLS*	
COMPATIBILITY	
MAXIMUM USERS ACCESS	
SECURITY	
HEAT MAP	
BUILT-IN ALARM & EVENT	EVENT TYPE HBW2GR1V, HBW2GR3V, HBW4GR1V: Motion Detection/ Video Tampering/Face Detection/SD Card Error/SD Card Capacity Warning/Audio Detection/ Object Abandoned/Object Missing/Tripwire/Intrusion HBL2GR1V: Motion Detection/Video Tampering/Face Detection/SD Card Error/SD Card Capacity Warning/Audio Detection/Object Abandoned/Object Missing/People counting
	EVENT LINKAGE Recording on SD card, Relay output, Email, Snapshot
	EVENT OUTPUT ONVIF, ISOM
UPLODABLE VIDEO ANALYTICS (HBL2GR1V ONLY)	BASIC Trigger line/Intrusion/Loitering available now (Please download from www.honeywellvideo.com. Free of Charge, but please email to VAlicensing@Honeywell.com to get license.)
	ADVANCED LICENSED ANALYTICS IntrusionTrace/LoiterTrace for advanced applications coming soon. (Need to purchase separately)
	ANALYTICS OUTPUT ISOM event output, Metadata
MICRO SD	
MICRO SD FUNCTION	
LANGUAGES SUPPORTED	

Network TDN Low-LIGHT WDR 2MP/4MP IR Rugged Bullet

ELECTRICAL		ENVIRONMENTAL	
POWER SUPPLY	PoE+(802.3at) Class 4/12VDC/AC24V	OPERATING TEMPERATURE	−40°F to 140°F (−40°C to 60°C)
LONG DISTANCE POE SUPPORT	3X POE (300m @100Mbps)	RELATIVE HUMIDITY	0% to 95%, non-condensing
AC FREQUENCY	50/60 Hz	GORE VENTS	Yes
POWER CONSUMPTION	HBW2GR3V: Max 17.3W ;	INGRESS PROTECTION	IP 67
	HBW2GR1V: Max 20.5W	IMPACT RESISTANCE	IK10
	HBL2GR1V: Max 17W	HEATER, FAN OPTION	Heater
	HBW4GR1V: Max 17.6W	REGULATORY	
AUXILIARY POWER SUPPLY	2.0W, DC12V (+/-5%)	EMISSIONS	FCC Part 15, CE (EN 55032); Complies with RCM (AS/NZS)
MECHANICAL		IMMUNITY	CE (EN 50130-4)
DIMENSIONS	11.1 × 4.3 in. (281.0 × 110.0 mm)	SAFETY	North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1);
WEIGHT	Product weight: 4.70lb (2130g) Package Weight: 6.28lb (2847g)		North America UL Listed to UL/CSA 60950-22, CE (EN 60950-22)
CONSTRUCTION	Die-cast aluminum housing with powder coat	ROHS	
CONSTRUCTION COLOR	RAL 9003 (White) and RAL 7022 (Grey)		

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

RECOMMENDED ACCESSORIES

SYSTEM 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.	

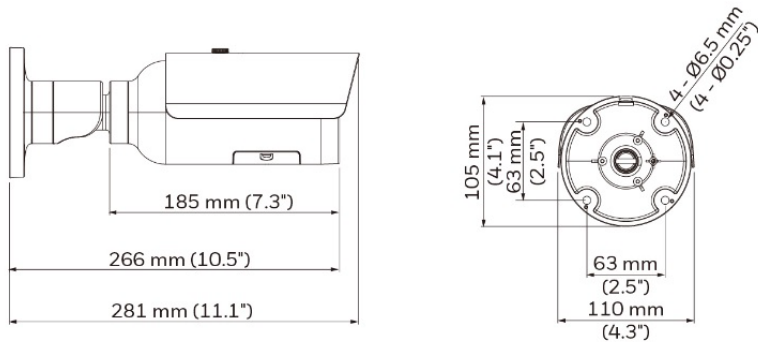
HOUSING AND MOUNTS		
HB4G-PM		Pole Mount Adapter
HB34G-CM		Corner Mount Adapter
HBG-BB		IP66 Back Box with Gasket (for Cable Termination)
HBG-FP		Front Lens Plate Replacement (if Vandalized)
HLR1001		IP over Coax Converter
HPOE3X		3X Long Distance POE Switch

ORDERING	
HBW2GR3V	Network TDN Low Light WDR IR Bullet Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 5-60 mm MFZ, 4 IR LEDs, PoE+, H.265.
HBW2GR1V	Network TDN Low Light WDR IR Bullet Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 2.7-13.5 mm MFZ, 4 IR LEDs, PoE+, H.265.
HBL2GR1V	Network TDN Intelligent Ultra WDR IR Bullet Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 2.7-12 mm MFZ, 4 IR LEDs, PoE+, H.265
HBW4GR1V	Network TDN WDR IR Bullet Camera, 1/3" 4 Megapixel progressive scan CMOS, 2.7-13.5 mm MFZ, 4 IR LEDs, PoE+, H.265

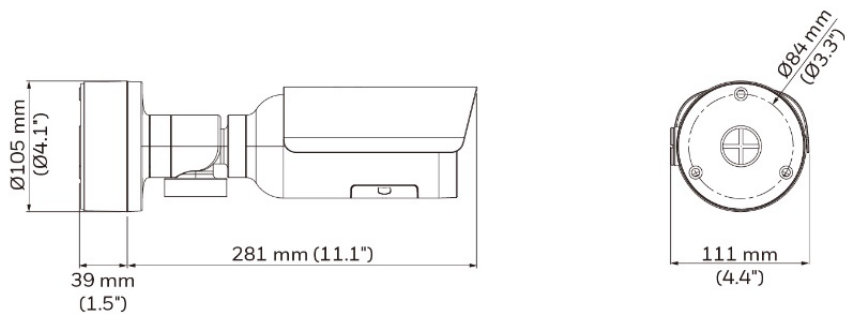
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DIMENSIONS

* DIMENSIONS DRAWING SHOWS BACK BOX.



HBG-BB Back Box Mount Option



For more information

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HSV-HBx2GRxV-02-US(1118)DS-Y
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