HBW2GR3V/HBW2GR1V/HBL2GR1V NETWORK TDN LOW-LIGHT WDR 2MP IR RUGGED BULLET

HD ONVIF® | SGQ

Technical Specification

OPERATIONAL		WHITE BALANCE	Auto/Natural/Street Lamp/ Outdoor/Manual/ Customize Region
VIDEO STANDARD	NTSC/PAL	GAIN CONTROL	Auto/Manual
SCANNING SYSTEM	Progressive scan	NOISE REDUCTION	3DNR
IMAGE SENSOR	1/2.8" 2Megapixel progressive scan CMOS	PRIVACY MASKING	4 configurable windows
NUMBER OF PIXELS (H × V)	2MP – 1920x1080	ELECTRONIC IMAGE STABILIZATION	**HBW2GR3V, HBW2GR1V:** Not supported **HBL2GR1V:** OFF/ON
MINIMUM ILLUMINATION	Color: 0.001Lux @f/1.6, B/W: 0Lux @f/1.6(IR on)	DEFOG	Auto/Manual/Off
S/N RATIO	50db minimum	LENS	HBW2GR3V: 5-60mm MFZ, HALL IRIS(Extended Focal Depth), optical zoom 12x lens F1.6 HBW2GR1V: 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
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)	ANGLE OF VIEW	**HBW2GR3V:** H: 62° – 6°, V: 34° – 4° **HBW2GR1V:** H: 110° – 32°, V: 59° – 19° **HBL2GR1V:** H: 102° – 35°, V: 54° – 21°
WIDE DYNAMIC RANGE (WDR)	HBL2GR1V: 140dB (50/60fps off) HBW2GR1V/HBW2GR3V: 120dB (50/60fps off)		

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Technical Specification

AUDIO/TWO-WAY		Line In/Out
ALARM INPUT/OUTPUT		2 In / 1 Out
ANALOG OUTPUT SUPPORT		Twin outputs (for adjustment only)
ETHERNET		HBW2GR3V, HBW2GR1V: 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**	1080p (1920×1080)/ 720p (1280×720)
	4:3	1.3M (1280×960)/VGA (640×480)
	OTHER	D1 (704×576/704×480)/ CIF (352×288/352×240)
FRAME RATE	**MAIN STREAM**	1080P (1-50/60fps WDR off)
	SUB STREAM	D1 (1-50/60fps WDR off)
	TRIPLE STREAM	**HBW2GR3V, HBW2GR1V:** 1080P (1-25/30fps) **HBL2GR1V:** 1080P (1-50/60fps WDR off) **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)
AUDIO COMPRESSION		G.711a/ G.711Mu/ AAC/G.726
AUDIO STREAM		Full duplex, simplex
SUPPORTED WEB BROWSERS		IE11/Chrome(with application)/Firefox (earlier than 52.0 version)
SUPPORTED OS		Windows® 7 32-bit/64-bit; Windows® 10 32-bit/64-bit
SUPPORTED PROTOCOLS*		HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS;UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP;SNMP
COMPATIBILITY		ONVIF Profile S, G and Q
MAXIMUM USERS ACCESS		20 users

IP SPECIFICATIONS

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, PCI-DSS compliance, Hardware chipset for private key
HEAT MAP		HBL2GR1V: Support
BUILT-IN ALARM & EVENT	**EVENT TYPE**	**HBW2GR1V/HBW2GR3V:** 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
UPLOADABLE 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 SDHC Capacity Max 32GB Micro SDXC Capacity Max 128GB
MICRO SD FUNCTION		Event trigger recording; Continuous and scheduled recording; Automatic recording when network fails
LANGUAGES SUPPORTED		English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish

Technical Specification

| 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 ; HBW2GR1V: Max 20.5W HBL2GR1V: Max 17W	INGRESS PROTECTION	IP 67
		IMPACT RESISTANCE	IK10
AUXILIARY POWER SUPPLY	2.0W, DC12V (+/-5%)	HEATER, FAN OPTION	Heater
MECHANICAL		**REGULATORY**	
DIMENSIONS	11.1 × 4.3 in. (281.0 × 110.0 mm)	EMISSIONS	FCC Part 15, CE (EN 55032); Complies with RCM (AS/NZS)
PRODUCT WEIGHT	4.70lb (2130g)	IMMUNITY	CE (EN 50130-4)
PACKAGE WEIGHT	6.28lb (2847g)	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)
CONSTRUCTION	Die-cast aluminum housing with powder coat		
CONSTRUCTION COLOR	RAL 9003 (White) and RAL 7022 (Grey)	ROHS	EN50581

*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

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.	
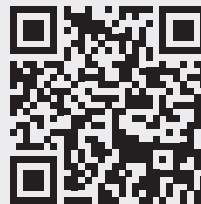
ACCESSORIES

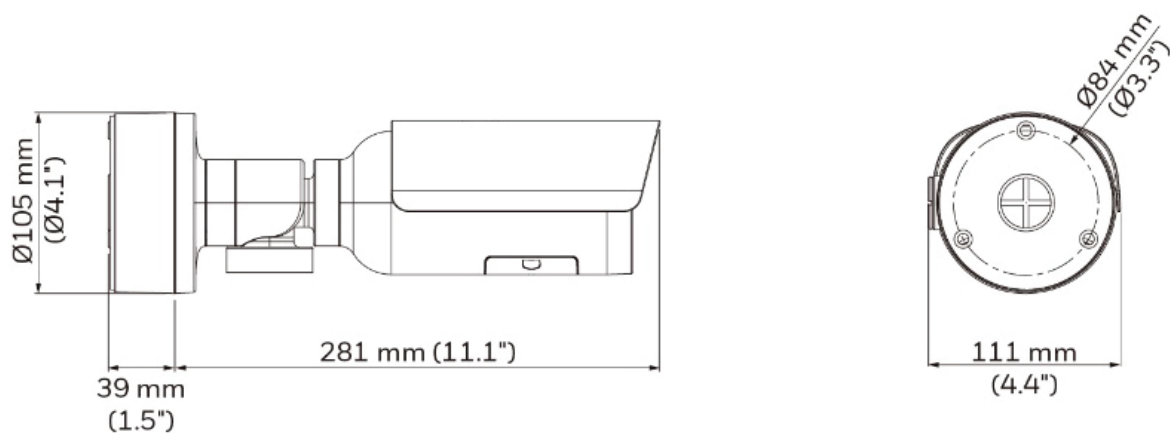| HOUSING AND MOUNTS		
HB4G-PM		Pole Mount Adapter
HB34G-CM		Corner Mount Adapter
HBG-BB		IP66 Back Box with Gasket (for Cable Termination)
HBG – FP		Front Lens Plate Replacement (if Vandalized)
HLR1001		IP over Coax Converter
HPOE3X		3X Long Distance POE Switch

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

DIMENSIONS

185 mm (7.3")
266 mm (10.5")
281 mm (11.1")

4 - Ø6.5 mm
(4 - Ø0.25")
105 mm (4.1")
63 mm (2.5")
63 mm (2.5")
110 mm (4.3")
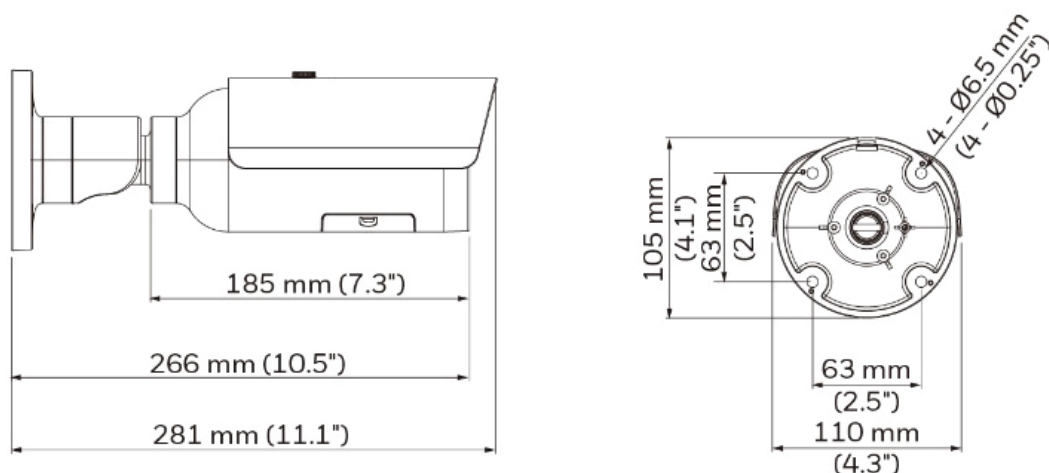
HBG-BB Back Box Mount Option

Ø105 mm (Ø4.1")
281 mm (11.1")
39 mm (1.5")

Ø84 mm (Ø3.3")
111 mm (4.4")

* DIMENSIONS   RAWING SHOWS BACK BOX.

For more information,
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