

# H4W2GR1V H4L2GR1V H4W4GR1V

## NETWORK TDN LOW- LIGHT WDR 2MP/4MP IR RUGGED DOME



HD ONVIF S G Q

### OPERATIONAL

VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	<b>H4W2GR1V, H4L2GR1V:</b> 1/2.8" 2 Megapixel progressive scan CMOS <b>H4W4GR1V:</b> 1/3" 4 Megapixel progressive scan CMOS
NUMBER OF PIXELS(H×V)	<b>H4W2GR1V, H4L2GR1V: 2MP</b> - 1920×1080 <b>H4W4GR1V: 4MP</b> - 2560×1440/2688×1520
MINIMUM ILLUMINATION	<b>H4W2GR1V, H4L2GR1V:</b> Color : 0.001Lux @f/1.6, B/W : 0Lux @f/1.6(IR on) <b>H4W4GR1V:</b> Color : 0.01Lux @f/1.6, B/W : 0Lux @f/1.6(IR on)
S/N RATIO	50 db minimum
ELECTRONIC SHUTTER SPEED	Auto/Manual, 1/3~1/100000s
IR DISTANCE	50m
DAY/NIGHT	Mechanical ICR (ON / OFF / AUTO selectable)
BACKLIGHT COMPENSATION	BLC/HLC/WDR/SAC(Scene Adaptive Control)
WIDE DYNAMIC RANGE(WDR)	<b>H4L2GR1V:</b> 140 dB (50/60fps off) <b>H4W4GR1V, H4W2GR1V:</b> 120 dB (50/60fps off)
WHITE BALANCE	Auto/Natural/Street Lamp/Outdoor/Manual Customize Region
GAIN CONTROL	Auto/Manual
NOISE REDUCTION	3D Noise Reduction (ON / OFF selectable)
PRIVACY MASKING	Up to 4 configurable areas
ELECTRONIC IMAGE STABILIZATION	<b>H4W2GR1V, H4W4GR1V:</b> Not supported <b>H4L2GR1V:</b> Off/On

DEFOG	Auto/Manual/Off
ANGLE OF VIEW	<b>H4W2GR1V:</b> FOV depending on different resolution, H: 110° - 32°, V: 59° - 19° <b>H4L2GR1V:</b> FOV depending on different resolution H: 102° - 35°, V: 54° - 21° <b>H4W4GR1V:</b> FOV depending on different resolution H: 110° - 30°, V: 53° - 18°
AUDIO/TWO-WAY	Line In/Out
ALARM INPUT/OUTPUT	2 In/1 Out
ETHERNET	<b>H4W2GR1V, H4W4GR1V:</b> RJ-45 (10/100Base-T) <b>H4L2GR1V:</b> RJ-45 (100/1000Base-T)
ANALOG OUTPUT SUPPORT	Supported

### IP SPECIFICATIONS

VIDEO COMPRESSION		H.265+, H.265, H.264 and MJPEG bit rate control (CBR and VBR)
RESOLUTION	16:9	H4W2GR1V, H4L2GR1V: 1080p (1920×1080)/ 720p (1280×720) H4W4GR1V: 3M (2304×1296)/1080p (1920×1080)/720p (1280×720)
	4:3	1.3M (1280×960)/VGA (640×480)
	OTHER	H4W2GR1V, H4L2GR1V: D1 (704×576/704×480)/ CIF (352×288/352×240) H4W4GR1V: 4M (2688×1520)/ (2560×1440), /D1 (704×576/704×480)/ CIF (352×288/352×240)

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IP SPECIFICATIONS

FRAME RATE	Main Stream	<b>4W2GR1V, H4L2GR1V:</b> 1080P (1~50/60fps WDR off) <b>H4W4GR1V:</b> 4M (1~25/30fps)
	Sub Stream	<b>H4W2GR1V, H4L2GR1V:</b> D1 (1~50/60fps WDR off) H4W4GR1V: D1 (1~25/30fps)
	Third Stream	<b>H4W2GR1V:</b> 1080P (1-25/30fps) <b>H4L2GR1V:</b> 1080P(1-50/60fps WDR off) <b>H4W4GR1V:</b> 4M(1~25/30fps)
		<b>H4W2GR1V:</b> Simultaneous Main stream and Third stream at 1080P (Main stream +Third stream <=68fps, WDR off, 2nd stream off) <b>H4L2GR1V:</b> Simultaneous Main stream and Third stream at 1080P (Main stream at 50/60fps WDR off, Third stream at 50/60fps WDR off) <b>H4W4GR1V:</b> Simultaneous Main stream and Third stream at 4MP (Main stream +Third stream <=34fps, 2nd stream 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
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		H4L2GR1V: Support

BUILT-IN ALARM & EVENT	EVENT TYPE	H4W2GR1V, H4W4GR1V: Motion Detection/Video Tampering/Face Detection/SD Card Error/SD Card Capacity Warning/Audio Detection/ Object Abandoned/ Object Missing/Tripwire/Intrusion H4L2GR1V: 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 (H4L2GR1V ONLY)	BASIC	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; SNMP
	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		<ul style="list-style-type: none"><li>• Event trigger recording</li><li>•Continuous and scheduled recording</li><li>•Automatic recording when network fails</li></ul>
LANGUAGES SUPPORTED		English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish

ELECTRICAL

POWER SUPPLY	PoE+(802.3at) Class 4/12VDC/24VAC
LONG DISTANCE POE SUPPORT	3X POE (300m @100Mbps)
AC FREQUENCY	50/60 Hz
POWER CONSUMPTION	H4W2GR1V: Max 22W H4L2GR1V: Max 20.5W H4W4GR1V: Max 15W
AUXILIARY POWER SUPPLY	2.0W , DC12V (+/-5%)

## MECHANICAL

DIMENSIONS	6.2" × 4.6" ( 159.0 × 118.0 mm)
WEIGHT	H4W2GR1V: Product weight: 2.46lb (1117g) Package Weight: 4.40lb (1994g) H4L2GR1V: Product weight: 2.49lb (1130g) Package Weight: 4.42lb (2007g) H4W4GR1V: Product weight: 2.47lb (1119g) Package Weight: 4.40lb (1997g)
CONSTRUCTION	Die-cast aluminum housing with powder coat
CONSTRUCTION COLOR	RAL 9003 (White)

## ENVIRONMENTAL

OPERATING TEMPERATURE	−40°F to 140°F (−40°C to 60°C)
RELATIVE HUMIDITY	Less than 95%, non-condensing
INGRESS PROTECTION	IP67
IMPACT RESISTANCE	IK10
GORE VENTS	Yes
HEATER, FAN OPTION	Heater, Fan

## RECOMMENDED ACCESSORIES

### SYSTEM INTEGRATION

ONVIF support and open API software integration. Refer to [www.onvif.org](http://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.



## REGULATORY

EMISSIONS	FCC Part 15, CE (EN 55032); 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)
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.

\*\* ADPRO® IntrusionTrace™ and ADPRO® LoiterTrace™ are Xtralis® video content analytics products. Additional license purchase(s) required. See <http://www.xtralis.com/analytics> for more information.

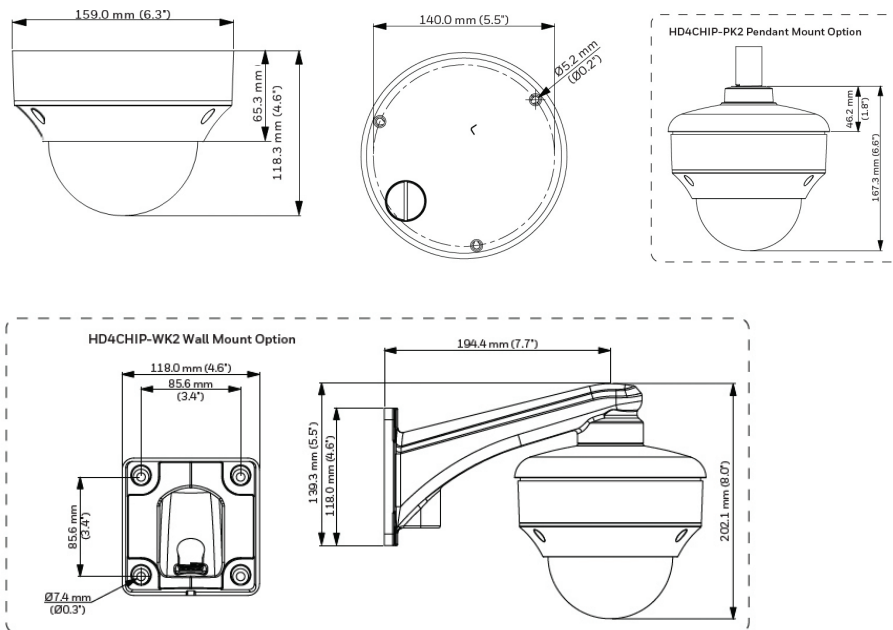
### HOUSING AND MOUNTS

HB4G-PM		Pole Mount Adapter
HB34G-CM		Corner Mount Adapter
HD4CHIP-PK2		Pendant Mount Adapter, NPT
H4G-PK		Pendant Mount Adapter, G1.5
HD4CHIP-WK2		Wall Mount Bracket
H4G-CB		Replacement Dome (Clear)
H4G-SB		Replacement Dome (Smoke)
HPOE3X		3X Long Distance POE Switch
HLR1001		IP over Coax Converter

## ORDERING

H4W2GR1V	Network TDN Low Light WDR IR Outdoor Dome Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 2.7 - 13.5 mm MFZ, 4 IR LEDs, POE + H.265
H4L2GR1V	Network TDN Intelligent Ultra WDR IR Outdoor Dome Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 2.7 - 12 mm MFZ, 4 IR LEDs, POE + H.265
H4W4GR1V	Network TDN WDR IR Outdoor Dome Camera, 1/3" 4 Megapixel progressive scan CMOS, 2.7 - 13.5 mm MFZ, 4 IR LEDs, POE + H.265

## DIMENSIONS



### For more information,

<https://honeywellbuildings.in>

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