EQUIP® CAMERAS
H3W2GR1V, H3W4GR1V

2MP/4MP Network TDN Low-Light WDR Indoor Dome

ONVIF® | SGQT (1)

OPERATIONAL

VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	**H3W2GR1V:** 1/2.8" 2Megapixel progressive scan CMOS **H3W4GR1V:** 1/3" 4Megapixel progressive scan CMOS
NUMBER OF PIXELS (H × V)	2MP (1920x1080) - 4MP (2688x1520)
MINIMUM ILLUMINATION	**H3W2GR1V:** Color: 0.001Lux @f/1.6, B/W:0Lux@f/1.6(IR on) **H3W4GR1V:** Color : 0.01Lux @f/1.6, B/W : 0Lux @f/1.6(IR on)
S/N RATIO	50db minimum
ELECTRONIC SHUTTER SPEED	Auto/Manual, 1/3~1/100000s
IR DISTANCE	20m
DAY/NIGHT	Mechanical ICR (ON / OFF / AUTO selectable)
BACKLIGHT COMPENSATION	BLC / HLC / WDR /SAC(Scene Adaptive Control)
WIDE DYNAMIC RANGE(WDR)	120dB (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
DEFOG	Auto/Manual/Off
LENS	2.7-13.5 mm MFZ, DC IRIS, optical zoom 5x lens F1.6
ANGLE OF VIEW	**H3W2GR1V:** FOV depending on different resolution H: 110° - 32°, V: 59° - 19° **H3W4GR1V:** FOV depending on different resolution H: 110° - 30°, V: 53° - 18°
AUDIO/TWO-WAY	Line In/Out, 1 built-in Mic
ALARM INPUT/OUTPUT	2 In / 1 Out
ANALOG OUTPUT	Supported
ETHERNET	RJ-45 (10/100Base-T)

IP SPECIFICATIONS

VIDEO COMPRESSION		H.265+, H.265, H.264 and MJPEG bit rate control (CBR and VBR)
RESOLUTION	16:9	**H3W2GR1V:** 1080p (1920×1080)/ 720p (1280×720) **H3W4GR1V:** 3M (2304×1296)/1080p (1920×1080)/ 720p (1280×720)
	4:3	1.3M (1280×960)/VGA (640×480)
	OTHER	**H3W2GR1V:** D1 (704×576/704×480)/ CIF (352×288/352×240) **H3W4GR1V:** 4M(2688x1520)/(2560x1440), /D1 (704×576/704×480)/ CIF(352×288/352×240)
FRAME RATE	MAIN STREAM	**H3W2GR1V:** 1080P(1~50/60fps WDR off) **H3W4GR1V:** 4M(1~25/30fps)
	SUB STREAM	H3W2GR1V: D1(1-50/60fps WDR off) H3W4GR1V: D1(1-25/30fps)
	THIRD STREAM	**H3W2GR1V:** 1080P(1-25/30fps) **H3W4GR1V:** 4M(1~25/30fps)
		H3W2GR1V: Simultaneous Main stream and Third stream at 1080P (Main stream +Third stream <=68fps, WDR off, 2nd stream off) **H3W4GR1V:** 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

IP SPECIFICATIONS

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(2)		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 (1)		**H3W2GR1V:** Onvif Profiles S / G / Q / T **H3W4GR1V:** Onvif Profiles S / G / 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
BUILT-IN ALARM & EVENT	EVENT TYPE	Motion Detection/Video Tampering/Face Detection/ SD Card Error/SD Card Capacity Warning/Audio Detection/ Object Abandoned/Object Missing/Tripwire/ Intrusion
	EVENT LINKAGE	Recording on SD card, Relay output, Email, Snapshot
	EVENT OUTPUT	ONVIF, ISOM
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

ELECTRICAL

POWER SUPPLY	PoE(802.3af) Class 0/12VDC/24VAC
LONG DISTANCE POE SUPPORT	3X POE (300m @100Mbps)
AC FREQUENCY	50/60 Hz
POWER CONSUMPTION	**H3W2GR1V:** 11W **H3W4GR1V:** 10.5W
AUXILIARY POWER SUPPLY	2.0W , DC12V (+/-5%)

MECHANICAL

DIMENSIONS	4.96 × 4.80 in. (126.0 × 122.0 mm)
WEIGHT	**H3W2GR1V:** Product weight: 1.14lb (519g) Package Weight: 2.07lb (937g) **H3W4GR1V:** Product weight: 1.14lb (516g) Package Weight: 2.04lb (924g)
CONSTRUCTION	Plastic
CONSTRUCTION COLOR	RAL 9003 (White)
INSTALLATION	Surface mount, Flush mount (bracket supplied) or Wall mount using **HD3-MK2**

ENVIRONMENTAL

OPERATING TEMPERATURE	−22ºF to 140ºF (−30ºC to 60ºC)
RELATIVE HUMIDITY	0% to 95%, non-condensing

REGULATORY

EMISSIONS	FCC Part 15, CE (EN 55032); Complies: RCM (AS/NZS)
IMMUNITY	CE (EN 50130-4)
SAFETY	North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1)
ROHS	EN50581

(1) Profile T only on H3W2GR1V model
(2) Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.
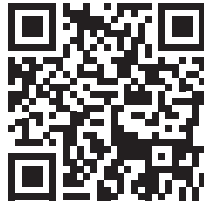
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EQUIP 2MP/4MP Network TDN Low-Light WDR Indoor Dome

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.

HOUSINGS AND MOUNTS

H3G-CB		Replacement Dome (Clear)
H3G-SB		Replacement Dome (Smoke)
HA60WLM3		Wall Mount Bracket
HPOE3X		3X Long Distance POE Switch
HLR1001		IP over Coax Converter
4S BOX		4S Box (Depth no less than 2-1/8", need to purchase from market)
HD3IP-5K1+HD5-MK2 + HD5CBL/HD5CWH/ HD5TBL/HD5TWH		Plenum Box

ORDERING

H3W2GR1V	2MP Network Low-Light Indoor Dome Camera, TDN, WDR 120dB, 1/2.8" CMOS, 2.7-13.5mm MFZ lens, 2 IR LEDs, H.265, PoE, microphone, IP42
H3W4GR1V	4MP Network Low-Light Indoor Dome Camera, TDN, WDR 120dB, 1/3" CMOS, 2.7-13.5mm MFZ lens, 2 IR LEDs, H.265, PoE, microphone, IP42

DIMENSIONS

HA60WLM3 Wall Mount Option
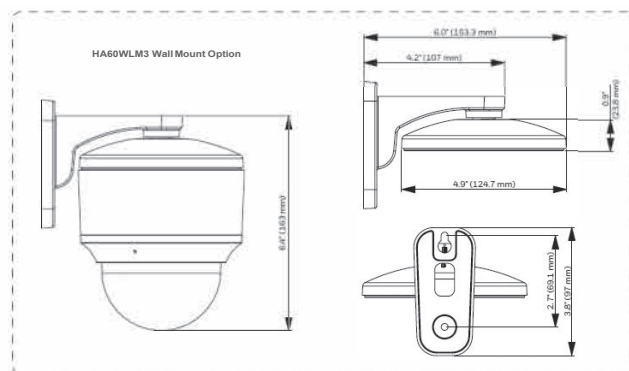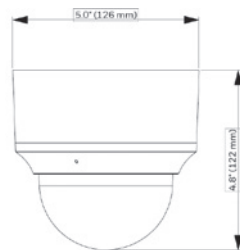
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