



H3W2GR1V H3W4GR1V

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

OPERATIONAL	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	H3W2GR1V: 1/2.8" 2 Megapixel progressive scan CMOS H3W4GR1V: 1/3" 4 Megapixel progressive scan CMOS
NUMBER OF PIXELS (H × V)	2MP (1920x1080) - 4MP (2688x1520)
MINIMUM ILLUMINATION	H3W2GR1V: Colour: 0.001Lux @f/1.6, B/W: 0Lux@f/1.6(IR on) H3W4GR1V: Colour : 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 (1920x1080)/ 720p (1280x720) H3W4GR1V: 3M (2304x1296)/1080p (1920x1080)/ 720p (1280x720)
	4:3 1.3M (1280x960)/VGA (640x480)
	OTHER H3W2GR1V: D1 (704x576/704x480)/ CIF (352x288/352x240) H3W4GR1V: 4M(2688x1520)/(2560x1440), /D1 (704x576/704x480)/ CIF(352x288/352x240)
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*	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	
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, DC1.2V (+/-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	-22°F to 140°F (-30°C to 60°C)	
RELATIVE HUMIDITY	0% to 95%, non-condensing	
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)	
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.

Network TDN Low-Light WDR 2MP/4MP 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)
HD3-MK2		Wall Mount Bracket
HPOE3X		3X Long Distance POE Switch
HLR1001		IP over Coax Converter

ORDERING

H3W2GR1V Network TDN Low Light WDR IR Indoor Dome Camera, 1/2.8" 2 Megapixel progressive scan CMOS, 2.7-13.5 mm MFZ, 3 IR LEDs, PoE, H.265.

H3W4GR1V Network TDN WDR IR Indoor Dome Camera, 1/3" 4 Megapixel progressive scan CMOS, 2.7-13.5 mm MFZ, 3 IR LEDs, PoE, H.265.

DIMENSIONS

For more information

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<https://security.honeywell.com/me>

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Technical support:

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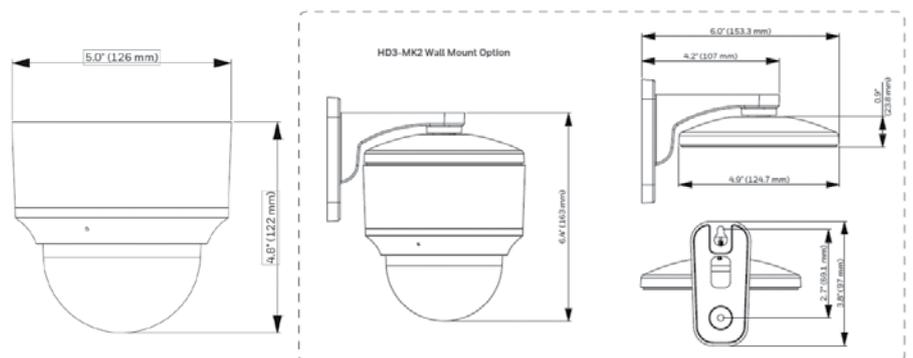
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Honeywell

H3W2GR1/H3W2GR2/ H3W4GR1

Indoor WDR IR Minidome IP Cameras

Honeywell is taking quality and reliability to the next level with the New equiP® range of indoor IP cameras. The Honeywell indoor TDN low-light IR minidome 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" 2 MP sensor, or full HD 4 MP 20 fps image with a 1/3" 4 MP sensor
- True WDR (120 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

Flexible Surveillance Solution

- 2.7-12 mm or 7-22 mm, F1.4, motorized focus/zoom lens
- H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 20m (65') of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- -30°C to 50°C (-22°F to 122°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



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

Onboard Video Storage

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

FEATURES & BENEFITS

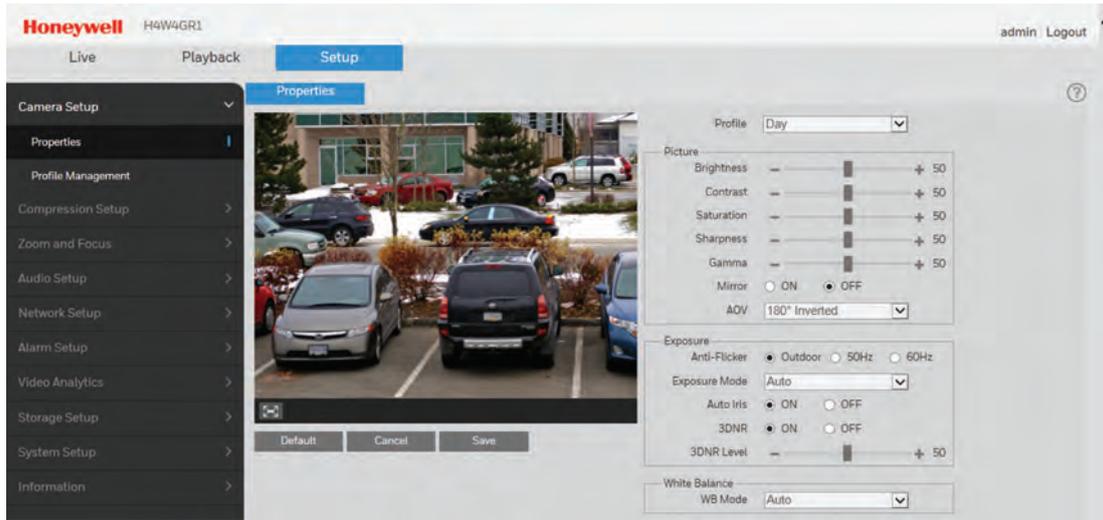
These fully featured attractive cameras are perfect for indoor installations that require excellent picture quality at minimal bandwidth while offering maximum installation flexibility with three mounting options. Boasting a sleek modern design and offering two different lens options, the cameras are suited for a wide range of applications.

- | | | | | |
|--|--|--|---|--|
| <ul style="list-style-type: none">• 1/2.7" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager• 20m (65') IR distance, depending on scene reflectance | <ul style="list-style-type: none">• True WDR: 120 dB• Excellent low light performance with down to 0 lux BW (with IR LEDs on)• Up to triple stream support | <ul style="list-style-type: none">• 4 MP resolution at 20 fps, or 1080p at 25/30 fps• 2.7-12 mm or 7-22 mm, F1.4, motorized focus and zoom lens | <ul style="list-style-type: none">• Built-in PoE for simple cabling options; 12VDC/24VAC inputs are also available• Corridor mode viewing capability• Built-in microphone | <ul style="list-style-type: none">• On board camera storage: up to 128 GB micro SD card (not included)• ONVIF profile S and G compliant• 2 Alarm inputs / 1 alarm output |
|--|--|--|---|--|

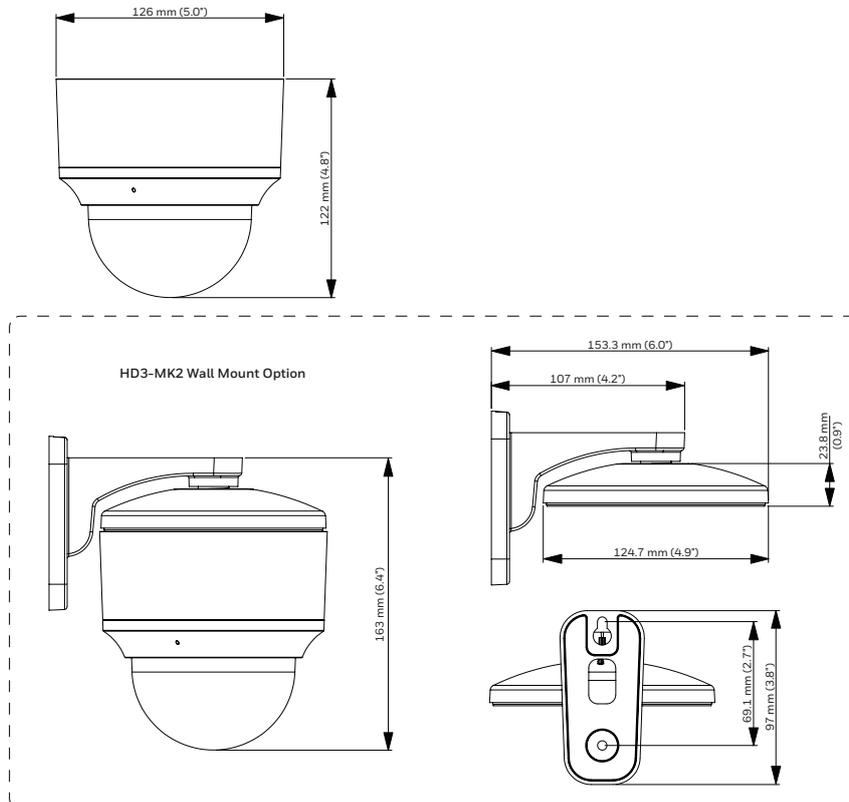
H3W2GR1/H3W2GR2/H3W4GR1

Indoor WDR IR Minidome IP Cameras

The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending a still image of the event through email and/or FTP; and recording a video clip of the event to a configured microSDHC card. Setup can be done through a web client or from an NVR.



DIMENSIONS



H3W2GR1/H3W2GR2/H3W4GR1

Indoor WDR IR Minidome IP Cameras

SPECIFICATIONS

OPERATIONAL		IP SPECIFICATIONS (CON'T)		
VIDEO STANDARD	NTSC/PAL	FRAME RATE	SUB STREAM	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 (D1-704x576, CIF-352x288) HBW4GR1 (NTSC): 1-20 fps (D1-704x480, CIF-352x240)
SCANNING SYSTEM	Progressive scan			
IMAGE SENSOR	H3W2GR1/H3W2GR2: 1/2.7" 2 MP progressive CMOS H3W4GR1: 1/3" 4 MP progressive CMOS	AUDIO COMPRESSION	G.711a/G.711u/AAC	
NUMBER OF PIXELS (H×V)	H3W2GR1/H3W2GR2: 1920x1080 H3W4GR1: 2560x1440	AUDIO STREAM	Dual Channel	
MINIMUM ILLUMINATION	0.01 lux colour/0 lux with IR LEDs on @ F1.4	ETHERNET	RJ-45 (10/100Base-T)	
S/N RATIO	50 dB or more	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	
ELECTRONIC SHUTTER SPEED	Auto, Manual, 1/3(4)-1/10 000 s	COMPATIBILITY	ONVIF Profile S/G	
IR DISTANCE	Up to 20m (65'), depending on scene reflectance	MAX. USER ACCESS	20 users	
DAY/NIGHT	Auto(ICR)/Colour/BW	LANGUAGES SUPPORTED	English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish	
BACKLIGHT COMPENSATION	BLC/HLC	ELECTRICAL		
WIDE DYNAMIC RANGE	120 dB	INPUT VOLTAGE	12VDC +/-10%, 24VAC +/-10%, PoE IEEE 802.3af	
WHITE BALANCE	Auto/Manual	AC FREQUENCY	50/60 Hz	
GAIN CONTROL	Auto/Manual	POWER CONSUMPTION	12VDC/24VAC 9W max, PoE (802.3af) Class 0	
NOISE REDUCTION	3DNR	MECHANICAL		
PRIVACY MASKING	Up to 4 areas	DIMENSIONS	126.0 × 122.0 mm (4.96" x 4.80")	
CORRIDOR MODE	Yes	PRODUCT WEIGHT	0.57kg (1.26 lb)	
LENS	H3W2GR1/H3W4GR1: 2.7-12 mm, MFZ, F1.4 H3W2GR2: 7-22 mm, MFZ, F1.4	PACKAGE WEIGHT	0.7 kg (1.54 lb)	
	H3W2GR1/H3W4GR1: 99°-34° H3W2GR2: 41°-18°	CONSTRUCTION	Plastic Housing	
HORIZONTAL ANGLE OF VIEW	H3W2GR1/H3W4GR1: 99°-34° H3W2GR2: 41°-18°	CONSTRUCTION COLOUR	RAL9003 (White)	
AUDIO/TWO-WAY	Line In/Out & Built-in microphone	RECORDING AND STORAGE	Up to 128 GB microSDHC card Class 10 (not included)	
ALARM INPUT/OUTPUT	2/1	ENVIRONMENTAL		
IP SPECIFICATIONS		TEMPERATURE	-30°C to 50°C (-22°F to 122°F) 0% to 95%, non-condensing	
VIDEO COMPRESSION	H.264/H.264H/H.264B/MJPEG	RELATIVE HUMIDITY	10% to 100%, condensing	
RESOLUTION	H3W2GR1/H3W2GR2: 1080p (1920x1080)/SXGA (1280x1024)/1.3M(1280x960)/720p (1280x720)/D1 (704x576/704x480)/CIF (352x288/352x240)	REGULATORY		
	H3W4GR1: 4M (2688x1520 with Analog video output off, or 2560x1440 with Analog video output on)/3M (2304x1296)/1080p (1920x1080)/SXGA (1280x1024)/1.3M (1280x960)/720p (1280x720)/D1 (704x576/704x480)/CIF (352x288/352x240)	EMISSIONS	FCC Part 15, CE (EN 55022); Complies with RCM (AS/NZS)	
FRAME RATE	H3W2GR1/H3W2GR2 (PAL): 1-25 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x576) H3W2GR1/H3W2GR2 (NTSC): 1-30 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x480) H3W4GR1 (PAL): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-25 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p) H3W4GR1 (NTSC): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-30 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p)	IMMUNITY	CE (EN 50130-4)	
		H3W2GR1/H3W2GR2 (PAL): 1-25 fps (D1-704x576, CIF-352x288) H3W2GR1/H3W2GR2 (NTSC): 1-30 fps (D1-704x480, CIF-352x240) H3W4GR1 (PAL): 1-20 fps (D1-704x576, CIF-352x288) H3W4GR1 (NTSC): 1-20 fps (D1-704x480, CIF-352x240)	SAFETY	North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1)

NOTE:

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

H3W2GR1/H3W2GR2/H3W4GR1

Indoor WDR IR Minidome IP Cameras

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

H3G-CB	Replacement Dome (Clear)
H3G-SB	Replacement Dome (Smoke)
HD3-MK2	Wall Mount Bracket

ORDERING

CAMERAS

H3W2GR1	Network TDN Low-Light, 120 dB Wide Dynamic, IR Indoor Dome Camera, 1/2.7" Imager, 2 MP, 2.7-12 mm MFZ Lens, 3 IR LEDs, PoE, H.264
H3W2GR2	Network TDN Low-Light, 120 dB Wide Dynamic, IR Indoor Dome Camera, 1/2.7" Imager, 2 MP, 7-22 mm MFZ Lens, 3 IR LEDs, PoE, H.264
H3W4GR1	Network TDN Low-Light, 120 dB Wide Dynamic, IR Indoor Dome Camera, 1/3" Imager, 4 MP, 2.7-12 mm MFZ Lens, 3 IR LEDs, PoE, H.264

For more information

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