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.
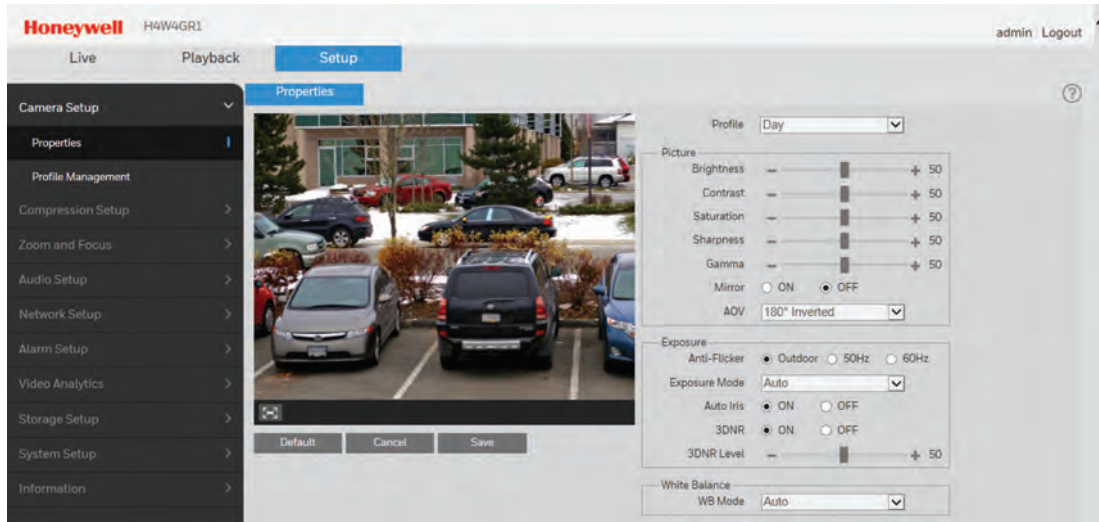
FEATURES & BENEFITS

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.

- 1/2.7" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager
- 20m (65') IR distance, depending on scene reflectance

- True WDR: 120 dB
- Excellent low light performance with down to 0 lux BW (with IR LEDs on)
- Up to triple stream support

- 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

- Built-in PoE for simple cabling options; 12VDC/24VAC inputs are also available
- Corridor mode viewing capability
- Built-in microphone

- On board camera storage: up to 128 GB micro SD card (not included)
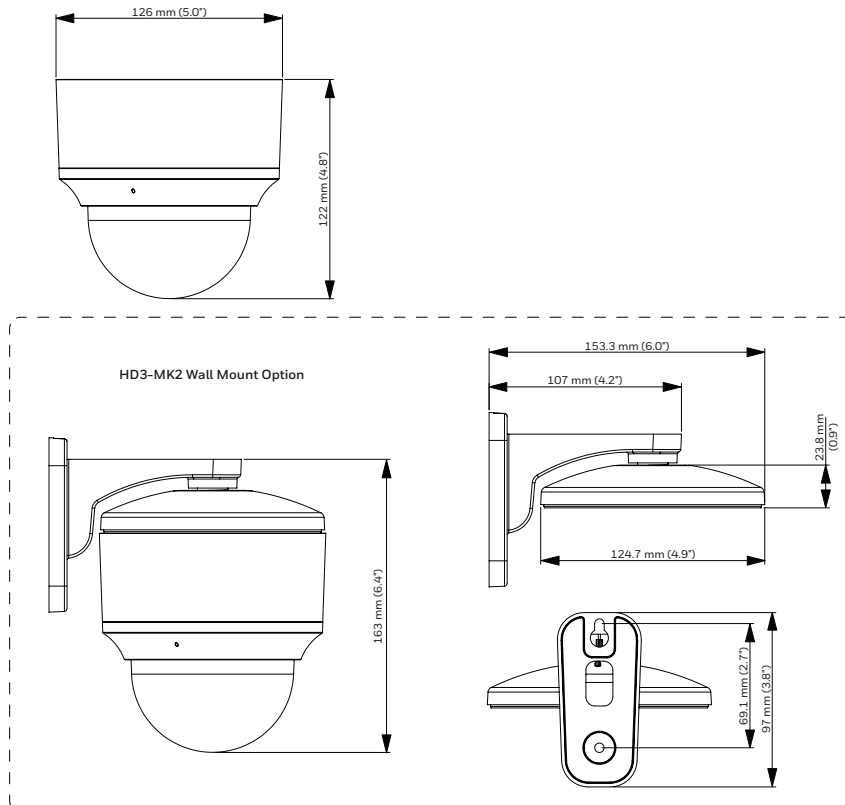- ONVIF profile S and G compliant
- 2 Alarm inputs / 1 alarm output

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	
VIDEO STANDARD	NTSC/PAL
SCANNING SYSTEM	Progressive scan
IMAGE SENSOR	**H3W2GR1/H3W2GR2:** 1/2.7" 2 MP progressive CMOS
	H3W4GR1: 1/3" 4 MP progressive CMOS
NUMBER OF PIXELS (H×V)	**H3W2GR1/H3W2GR2:** 1920x1080
	H3W4GR1: 2560x1440
MINIMUM ILLUMINATION	0.01 lux colour/0 lux with IR LEDs on @ F1.4
S/N RATIO	50 dB or more
ELECTRONIC SHUTTER SPEED	Auto, Manual, 1/3(4)-1/10 000 s
IR DISTANCE	Up to 20m (65'), depending on scene reflectance
DAY/NIGHT	Auto(ICR)/Colour/BW
BACKLIGHT COMPENSATION	BLC/HLC
WIDE DYNAMIC RANGE	120 dB
WHITE BALANCE	Auto/Manual
GAIN CONTROL	Auto/Manual
NOISE REDUCTION	3DNR
PRIVACY MASKING	Up to 4 areas
CORRIDOR MODE	Yes
LENS	**H3W2GR1/H3W4GR1:** 2.7-12 mm, MFZ, F1.4
	H3W2GR2: 7-22 mm, MFZ, F1.4
HORIZONTAL ANGLE OF VIEW	**H3W2GR1/H3W4GR1:** 99°-34°
	H3W2GR2: 41°-18°
AUDIO/TWO-WAY	Line In/Out & Built-in microphone
ALARM INPUT/OUTPUT	2/1

IP SPECIFICATIONS	
VIDEO COMPRESSION	H.264/H.264H/H.264B/MJPEG
RESOLUTION	**H3W2GR1/H3W2GR2:** 1080p (1920x1080)/ SXGA (1280x1024)/1.3M(1280x960)/ 720p (1280x720)/D1 (704x576/ 704x480)/ CIF (352x288/352x240)
	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)

FRAME RATE	MAIN STREAM	**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)
	SUB STREAM	**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)

IP SPECIFICATIONS (CON'T)		
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)
AUDIO COMPRESSION		G.711a/G.711u/AAC
AUDIO STREAM		Dual Channel
ETHERNET		RJ-45 (10/100Base-T)
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
COMPATIBILITY		ONVIF Profile S/G
MAX. USER ACCESS		20 users
LANGUAGES SUPPORTED		English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish

ELECTRICAL	
INPUT VOLTAGE	12VDC +/-10%, 24VAC +/-10%, PoE IEEE 802.3af
AC FREQUENCY	50/60 Hz
POWER CONSUMPTION	12VDC/24VAC 9W max, PoE (802.3af) Class 0

MECHANICAL	
DIMENSIONS	126.0 × 122.0 mm (4.96" x 4.80")
PRODUCT WEIGHT	0.57kg (1.26 lb)
PACKAGE WEIGHT	0.7 kg (1.54 lb)
CONSTRUCTION	Plastic Housing
CONSTRUCTION COLOUR	RAL9003 (White)
RECORDING AND STORAGE	Up to 128 GB microSDHC card Class 10 (not included)

ENVIRONMENTAL	
TEMPERATURE	-30ºC to 50ºC (-22ºF to 122ºF) 0% to 95%, non-condensing
RELATIVE HUMIDITY	10% to 100%, condensing

REGULATORY	
EMISSIONS	FCC Part 15, CE (EN 55022); Complies with RCM (AS/NZS)
IMMUNITY	CE (EN 50130-4)
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

www.honeywell.com/security/uk

Honeywell reserves the right, without notification, to make changes in product design or specifications.

HSFV-H3W-02-EN(1217)DS-E
© 2017 Honeywell International Inc.

Honeywell