

Outdoor WDR IR Rugged IP Cameras

H4L2GR1/H4W2GR1/H4W2GR2/H4W4GR1

Honeywell is taking quality and reliability to the next level with the New equiP® range of rugged IP cameras. The Honeywell outdoor TDN ultra 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" or 1/2.8" 2 MP sensor, or full HD 4 MP 20 fps image with a 1/3" 4 MP sensor
- True WDR up to 140 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
- Ultra Low Light technology is able to capture high quality colour images in low light environments

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 50 m (150') of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Waterproof (IP67) and IK10 vandal resistant camera housing
- -40°C to 60°C (-40°F to 140°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
- Included accessories: security screw driver, 4S mount adapter, rubber gasket, and conduit adapter (varies by region)

Onboard Video Storage

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



FEATURES AND BENEFITS

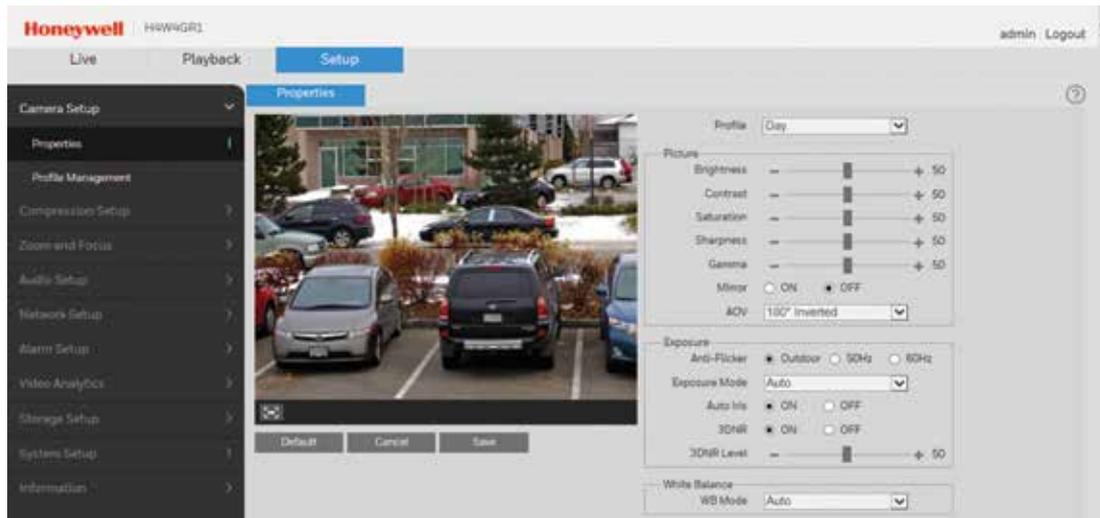
These fully featured attractive cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek modern design and offering two different lens options, the cameras are suited for a wide range of applications.

- 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager
- Ultra-low light performance
- 50m (150') IR distance, depending on scene reflectance
- True WDR: up to 140 dB
- Excellent low light performance with down to 0 lux BW (with IR LEDs on)
- Up to triple stream support
- 1080p resolution at 25/30 fps or 4 MP at 20 fps
- 2.7-12 mm or 7-22 mm, F1.4, motorized focus and zoom lens
- Rugged outdoor housing with IP67 ingress protection rating and IK10 vandal resistance rating
- Corridor mode viewing capability
- On board camera storage: up to 128 GB micro SD card (not included)
- ONVIF profile S and G compliant

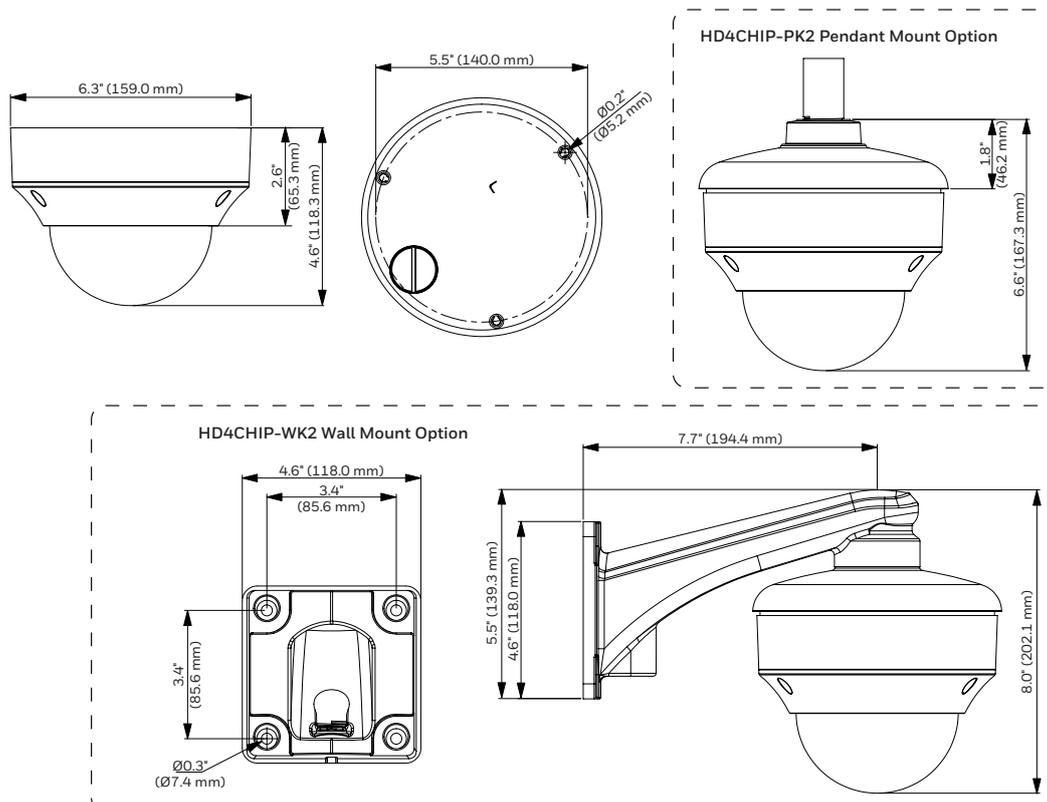
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The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending 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



Outdoor WDR IR Rugged IP Cameras

H4L2GR1/H4W2GR1/H4W2GR2/H4W4GR1

SPECIFICATIONS

| OPERATIONAL | | IP SPECIFICATIONS | | |
|---|---|--|--|---|
| VIDEO STANDARD | NTSC/PAL | SUB STREAM | H4W2GR1/H4W2GR2/H4L2GR1 (PAL): 1-25 fps (D1-704x576, CIF-352x288) H4W2GR1/H4W2GR2/H4L2GR1 (NTSC): 1-30 fps (D1-704x480, CIF-352x240) H4W4GR1 (PAL): 1-20 fps (D1-704x576, CIF-352x288) H4W4GR1 (NTSC): 1-20 fps (D1-704x480, CIF-352x240) | |
| SCANNING SYSTEM | Progressive scan | | TRIPLE STREAM | H4W2GR1/H4W2GR2 (PAL): 720p 1-14 fps, D1 (704x576) 1-25 fps, CIF (352x288) 1-25 fps H4W2GR1/H4W2GR2 (NTSC): 720p 1-3 fps, D1 (704x480) 1-9 fps, CIF (352x240) 1-30 fps H4W4GR1 (PAL): 1-20 fps (720p, D1-704x576, CIF-352x288) H4W4GR1 (NTSC): 1-20 fps (720p, D1-704x480, CIF-352x240) H4L2GR1 (PAL): 1080p 1-20 fps, 1-25 fps (720p, D1-704x576) H4L2GR1 (NTSC): 1080p 1-15 fps, 1-30 fps (720p, D1-704x480) |
| IMAGE SENSOR | H4L2GR1: 1/2.8" 2 MP progressive CMOS H4W2GR1/H4W2GR2: 1/2.7" 2 MP progressive CMOS H4W4GR1: 1/3" 4 MP progressive CMOS | FRAME RATE | | |
| NUMBER OF PIXELS (HxV) | H4L2GR1/H4W2GR1/H4W2GR2: 1920 x 1080 H4W4GR1: 2560 x 1440 | AUDIO COMPRESSION | G.711a/G.711u/AAC | |
| MINIMUM ILLUMINATION | H4L2GR1: 0.005 lux colour/0 lux with IR LEDs on @ F1.4 H4W2GR1/H4W2GR2/H4W4GR1: 0.01 lux colour/0 lux with IR LEDs on @ F1.4 | AUDIO STREAM | Dual Channel | |
| S/N RATIO | 50 dB or more | ETHERNET | RJ-45 (10/100Base-T) | |
| ELECTRONIC SHUTTER SPEED | Auto, Manual, 1/3(4)-1/10 000 s | PROTOCOLS* | IPv4/IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, RTP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, QoS, SNMP v2c/v3, LDAP (Client), NFS, RTCP, Bonjour | |
| IR DISTANCE | Up to 150' (50 m), depending on scene reflectance | COMPATIBILITY | ONVIF Profile S/G | |
| DAY/NIGHT | Auto(ICR)/Colour/BW | MAX. USER ACCESS | 20 users | |
| BACKLIGHT COMPENSATION | BLC/HLC | LANGUAGES SUPPORTED | English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish | |
| WIDE DYNAMIC RANGE | H4L2GR1: 140 dB H4W2GR1/H4W2GR2/H4W4GR1: 120 dB | ELECTRICAL | | |
| WHITE BALANCE | Auto/Manual | INPUT VOLTAGE | 12VDC +/-10%, 24VAC +/-10%, PoE IEEE 802.3af | |
| GAIN CONTROL | Auto/Manual | AC FREQUENCY | 50/60 Hz | |
| NOISE REDUCTION | 3DNR | POWER CONSUMPTION | 24VAC 12W max (zoom/focus/IRs/heater active), typical 10.5W PoE (802.3af) Class 0 | |
| PRIVACY MASKING | Up to 4 areas | MECHANICAL | | |
| CORRIDOR MODE | Yes | DIMENSIONS | 6.2" x 4.6" (159.0 x 118.0 mm) | |
| LENS | H4L2GR1/H4W2GR1/H4W4GR1: 2.7-12 mm, MFZ, F1.4 H4W2GR2: 7-22 mm, MFZ, F1.4 | PRODUCT WEIGHT | 2.3 lb (1.05 kg) | |
| HORIZONTAL ANGLE OF VIEW | H4L2GR1: 97°-34° H4W2GR1/H4W4GR1: 99°-34° H4W2GR2: 44°-16° | PACKAGE WEIGHT | 4.6 lb (2.1 kg) | |
| AUDIO/TWO-WAY | Line In/Out | CONSTRUCTION | Die-cast aluminum housing with powder coat | |
| IP SPECIFICATIONS | | CONSTRUCTION COLOUR | RAL9003 (White) | |
| VIDEO COMPRESSION | H.264/H.264H/H.264B/MJPEG | RECORDING AND STORAGE | Up to 128 GB microSDHC card Class 10 (not included) | |
| RESOLUTION | H4L2GR1/H4W2GR1/H4W2GR2: 1080p (1920x1080)/SXGA (1280x1024)/1.3M (1280x960)/720p (1280x720)/D1 (704x576/704x480)/CIF (352x288/352x240) H4W4GR1: 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) | ENVIRONMENTAL | | |
| FRAME RATE | MAIN STREAM | H4W2GR1/H4W2GR2/H4L2GR1 (PAL): 1-25 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x576) H4W2GR1/H4W2GR2/H4L2GR1 (NTSC): 1-30 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x480) H4W4GR1 (PAL): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-25 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p) H4W4GR1 (NTSC): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-30 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p) | TEMPERATURE | -40°F to 140°F (-40°C to 60°C) |
| | | 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) | |
| | | | North America UL Listed to UL/CSA 60950-22, CE (EN 60950-22) | |
| NOTE: | | | | |
| * 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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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

| | |
|-------------|--------------------------|
| HB4G-PM | Pole Mount Bracket |
| HB34G-CM | Corner Mount Bracket |
| HD4CHIP-PK2 | Pendant Mount Bracket |
| HD4CHIP-WK2 | Wall Mount Bracket |
| H4G-CB | Replacement Dome (Clear) |
| H4G-SB | Replacement Dome (Smoke) |

CAMERAS

| | |
|---------|---|
| H4L2GR1 | Network TDN Ultra Low-Light, 140 dB Wide Dynamic, IR Rugged Dome Camera, 1/2.8" Imager, 2 MP, 2.7-12 mm MFZ Lens, 3 IR LEDs, PoE, H.264 |
| H4W2GR1 | Network TDN Low-Light, 120 dB Wide Dynamic, IR Rugged Dome Camera, 1/2.7" Imager, 2 MP, 2.7-12 mm MFZ Lens, 3 IR LEDs, PoE, H.264 |
| H4W2GR2 | Network TDN Low-Light, 120 dB Wide Dynamic, IR Rugged Dome Camera, 1/2.7" Imager, 2 MP, 7-22 mm MFZ Lens, 3 IR LEDs, PoE, H.264 |
| H4W4GR1 | Network TDN Low-Light, 120 dB Wide Dynamic, IR Rugged 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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