

Ultra Low Light WDR IP Box Cameras

HCL2G/HCW2G/HCW4G

Honeywell is taking quality and reliability to the next level with the New equiP® line of ultra low-light box IP cameras. The 1080p 2 MP/4 MP box cameras offer high definition resolution at full frame rate, progressive scan technology, and edge enhancement for outstanding picture clarity. ONVIF (Profile S/G) compliance ensures hassle-free, flexible system integration.

Superior Image Quality

- Full HD 1080p 25/30 fps image with a 1/2.7" or 1/2.8" 2 MP sensor, or 1/3" 4 MP sensor
- True WDR, up to 140 dB, ensures glare-free images
- True Day/Night capability, vivid color pictures by day and clear black-and-white pictures at night with ICR
- Ultra Low Light technology is able to capture high quality color images in low light environments
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth together with H.264 High Profile codec

Flexible Surveillance Solution

- H.264 and MJPEG codec, triple stream support
- Working temperature of -22°F to 140°F (-30°C to 60°C)
- ONVIF Profile S and G compliant
- Cameras can be retrofitted on many existing DVR/NVR installations without requiring additional storage
- Security features include individual signed certificates and data encryption

Easy to Install and Use

- Professional design, easy to hold with one hand during installation
- 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, Smart Auto Focus (ABF) adjustment through the web client

FEATURES AND BENEFITS

These cameras are perfect for installations that require excellent picture quality at minimal bandwidth, with a flexible design that mounts easily to a wall or ceiling.

- 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager
- Ultra-low light performance
- Excellent low light performance with down to 0.0002 lux BW
- True WDR: up to 140 dB
- Built-in PoE for simple cabling options; 12 V DC/24 V AC inputs also available
- Up to triple stream support
- 4 MP resolution at 20 fps, or 1080p at 25/30 fps
- 4 lens options to suit any surveillance situation
- True Day/Night capability with vivid color pictures in the day and clear black and white images at night
- Corridor mode viewing capability
- On board camera storage: up to 128 GB micro SD card (not included)
- ONVIF profile S and G compliant



Lens sold separately



Privacy Masking

- Conceals up to 4 areas of a scene from viewing and recording

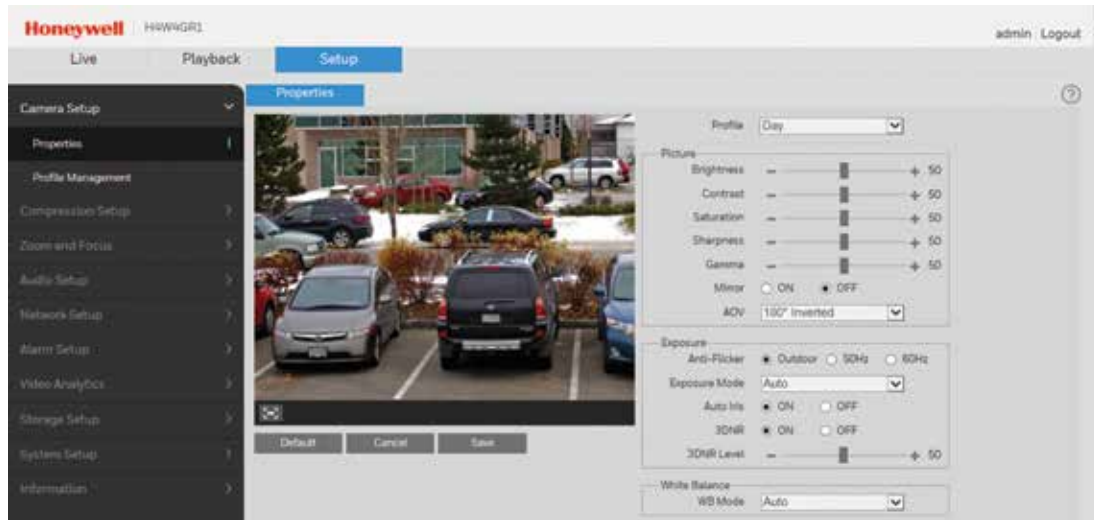
Onboard Video Storage

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

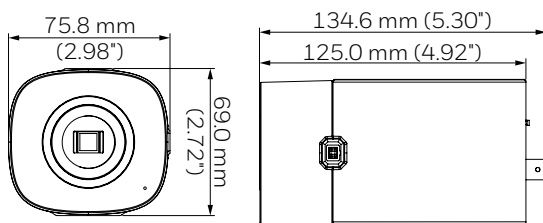
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The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and/or HTTP; sending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



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SPECIFICATIONS

OPERATIONAL		IP SPECIFICATIONS (CON'T)	
VIDEO STANDARD	NTSC/PAL	FRAME RATE	TRIPLE STREAM
SCANNING SYSTEM	Progressive scan		
IMAGE SENSOR	HCL2G: 1/2.8" 2 MP progressive CMOS		
	HCW2G: 1/2.7" 2 MP progressive CMOS		
	HCW4G: 1/3" 4 MP progressive CMOS		
NUMBER OF PIXELS (H×V)	HCW2G/HCL2G: 1920x1080		
	HCW4G: 2560x1440		
MINIMUM ILLUMINATION	HCL2G: 0.002 lux color/0.0002 lux BW @ F1.4		
	HCW2G/HCW4G: 0.01 lux color/0.001 lux BW @ F1.4		
S/N RATIO	50 dB or more		
ELECTRONIC SHUTTER SPEED	Auto, Manual, 1/3(4)-1/10 000 s		
DAY/NIGHT	Auto(ICR)/Color/BW		
BACKLIGHT COMPENSATION	BLC/HLC		
WIDE DYNAMIC RANGE	HCW2G/HCW4G: 120 dB		
	HCL2G: 140 dB		
WHITE BALANCE	Auto/Manual		
GAIN CONTROL	Auto/Manual		
NOISE REDUCTION	3DNR		
PRIVACY MASKING	Up to 4 areas		
CORRIDOR MODE	Yes		
LENS	Ordered separately, support for DC-iris lens		
AUDIO/TWO-WAY	Line In/Out		
IP SPECIFICATIONS		AUDIO COMPRESSION	G.711a/G.711u/AAC
VIDEO COMPRESSION	H.264/H.264H/H.264B/MJPEG	AUDIO STREAM	Dual Channel
RESOLUTION	HCW2G/HCL2G: 1080p (1920x1080)/SXGA (1280x1024)/1.3 M (1280x960)/720p (1280x720)/D1 (704x576/704x480)/CIF (352x288/352x240)	ETHERNET	RJ-45 (10/100Base-T)
	HCW4G: 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)	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
	HCW2G/HCL2G (PAL): 1-25 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x576) HCW2G/HCL2G (NTSC): 1-30 fps (1080p, SXGA-1280x1024, 1280x960, 720p, D1-704x480) HCW4G (PAL): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-25 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p) HCW4G (NTSC): 1-20 fps (2688x1520 with Analog video output off, 2560x1440); 1-30 fps (2304x1296, 1080p, SXGA-1280x1024, 1280x960, 720p)	COMPATIBILITY	ONVIF Profile S/G
FRAME RATE	MAIN STREAM	MAX. USER ACCESS	20 users
		LANGUAGES SUPPORTED	English, Arabic, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish
SUB STREAM	SUB STREAM	ELECTRICAL	
		INPUT VOLTAGE	12VDC +/-10%, 24VAC +/-10%, PoE IEEE 802.3af
		AC FREQUENCY	50/60 Hz
		POWER CONSUMPTION	12VDC/24VAC 6.5W max, PoE (802.3af) Class 0
		MECHANICAL	
		DIMENSIONS	4.92" x 2.72" (125.0 x 69.0 mm)
		PRODUCT WEIGHT	1.21 lb (0.55 kg)
		PACKAGE WEIGHT	1.87 lb (0.85 kg)
		CONSTRUCTION	Die-cast aluminum housing with powder coat
		CONSTRUCTION COLOR	RAL9003 (White) and RAL7022 (Gray)
		RECORDING AND STORAGE	Up to 128 GB microSDHC card Class 10 (not included)
		ENVIRONMENTAL	
		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 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.			

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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

LENSES

HLM105V42MPD	12 MP 4K 10.5 – 42 mm Lens
HLM37V16MPD	12 MP 4K 3.7 – 16 mm Lens
HLM27V12MPD	4 MP 2.7 – 12 mm Lens
HLM5V50MPD	4 MP 5.0 – 50 mm Lens

CAMERAS

HCL2G	Network TDN Ultra Low-Light, 140 dB Wide Dynamic, Box Camera, 1/2.8" Imager, 2 MP, PoE, H.264
HCW2G	Network TDN Low-Light, 120 dB Wide Dynamic, Box Camera, 1/2.7" Imager, 2 MP, PoE, H.264
HCW4G	Network TDN Low-Light, 120 dB Wide Dynamic, Box Camera, 1/3" Imager, 4 MP, PoE, H.264

For more information

www.honeywell.com/security

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

L/HCWDRCD/D | 06/16
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