

VIDEO SURVEILLANCE GUIDE 2021^{1/2}



Honeywell

VIDEO

SURVEILLANCE SYSTEMS

The reliability, integrity and dependability of our video systems ensure that you can meet all of your existing and future security challenges with complete confidence. Our solutions range from IP and analog(ue) cameras and digital and network video recorders, through to intelligent video analytics and sophisticated video management systems.

CONTENTS

Video Management System MAXPRO® VMS	4-5	SOLUTIONS FOR ENTERPRISES
Network Video Recorders (NVRs) • MAXPRO® NVRs and MAXPRO Viewer • ADPRO® NVRs	6-7 8-9	
IP Cameras: equiP® Series • IR Mini-Domes & Micro-Domes • Rugged IR Mini-Domes • Box Cameras • IR Rugged Bullet Cameras • Accessories • Fisheye IR Cameras • Multi-Imager Cameras • Hazardous environments cameras • PTZ Cameras	15 16 17 18 19 19 20 21 22-23 24-25	
equiP Series mounts and brackets	26-27	
IP Cameras: 60 Series • IR Indoor Domes • IR Rugged Domes • IR Bullet Cameras • IR PTZ Dome Camera	28 29 30 31 32	
60 Series mounts/brackets & accessories	34-35	
Hosted Video Surveillance MAXPRO® Cloud 2.5	10-11	
Performance Embedded NVRs	12	
Performance Hybrid DVRs	13	
30 Series Embedded NVRs	14	
Software for eNVRs & DVRs	14	SOLUTIONS FOR SMB
IP Cameras: 30 Series • IR Rugged Dome • IR Bullet Cameras • IR Ball Cameras • IR Fisheye Camera	36 36-37 36-37 36-37 36-37	
30 Series mounts/brackets & accessories	38-39	
IP Cameras: Performance Series • IR Ball Cameras • IR Rugged Dome • IR Bullet Cameras • PTZ Cameras	40 40-41 42-43 42-43 42-43	
Performance and 30 Series mounts/brackets	44-45	
Thermal cameras for body temp. detection	46-47	
Video Analytics	48-49	
Learn more about: • GDPR • Cybersecurity • Mobile Apps	50 51 52	



New!
Cameras Selector Tool



PROTECTION AND PEACE OF MIND FROM HONEYWELL

There's a Honeywell Security system for every lifestyle, budget and need, and it does more than keep you and your employees safe and secure. With our extensive technology portfolio, experienced team and trusted brand, we are recognised as the "partner of choice" within the security industry. Here are a few reasons why:

• Truly Global Footprint

Honeywell Security operates directly in 100+ cities worldwide providing local support to our customers. Our products are available globally through a network of trained and certified system integrators, installers and distributors. Through a highly selective process, we choose only the most qualified security partners to join our elite program/dealer network.

• Product Quality

At a product level, Honeywell's CCTV range was specifically designed to meet the stringent needs of the global CCTV market and be fully compliant with all local regulatory requirements in the markets our products are sold in, eg. CE, UL etc...

• Integrated Solutions

Honeywell is the leading connected building solution integrating all of our products into a comprehensive and robust platform.. This enables significant efficiencies for end users and system operators by helping to reduce the total cost of ownership across multiple electronic low voltage systems..

• Scalable Systems – A Solution for Every Need

Honeywell offers connected solutions for all situations starting with standalone systems for small and medium businesses all the way up to large multi-site critical infrastructure projects. Whether you are a small business or the largest commercial enterprise, Honeywell has the right security solution for you.

• Long Term Presence

Honeywell Security is one of the largest suppliers of electronic security products in the world. Through an intimate understanding of customer needs and decades of experience, Honeywell remains the leading trusted supplier within the security industry..

• New Product Development

Honeywell Security is transforming the way the world works through relentless innovation and product development.. You can be confident that our products will have a long and effective working life..

• Single Source Of Supply

Honeywell delivers integrated solutions to help make buildings smarter, keeping the people and assets inside them safer. In addition to video surveillance systems, Honeywell offers Intrusion systems, Access control, Fire, Public Address/Voice Alarm, Building Management systems and others to create a truly Connected Building for end users. This allows end users to buy all of their systems from a single vendor for added convenience, reliability and interoperability for end to end support..

• Cyber Security

At Honeywell, we take Cyber Security very seriously and ensure all new and existing products are continually maintained to ensure the highest levels of cyber security to protect our customers from any known vulnerabilities.

• Code of conduct

Honeywell is committed to observing the highest levels of ethics in all our business transactions.

visit:

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

<https://www.security.honeywell.com/uk>

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

<https://www.security.honeywell.com/ee>

MAXPRO® VMS

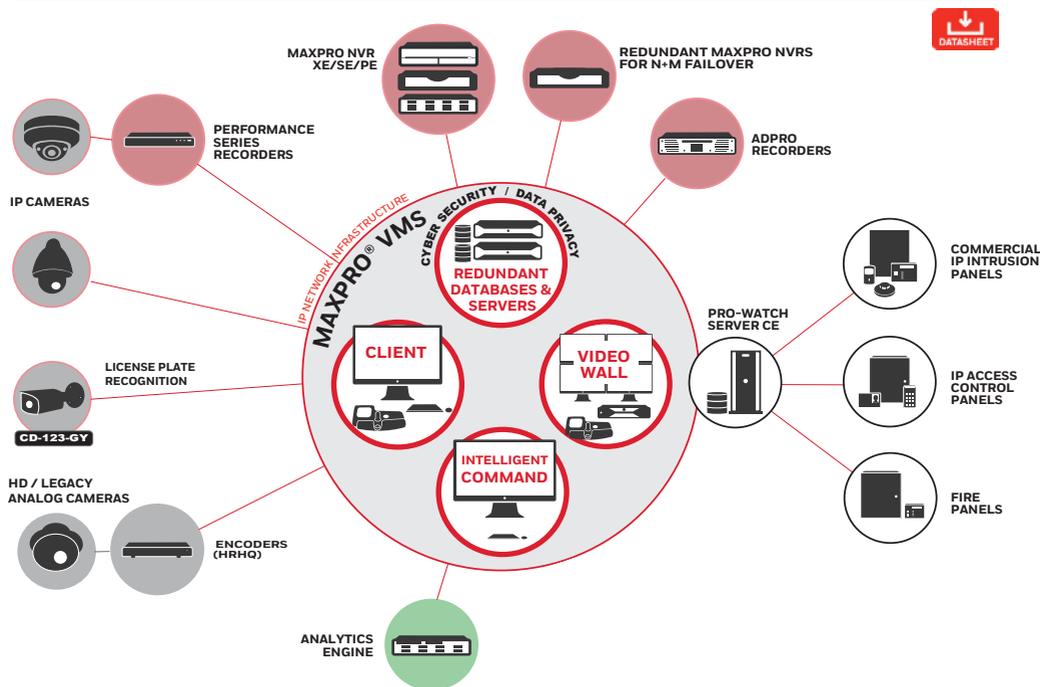
Video Management System

MAXPRO® VMS controls multiple sources of video subsystems to enhance the user's video surveillance experience with maximum efficiency and minimum effort.

Using an open architecture and IP-based systems, MAXPRO VMS leverages an existing video infrastructure to collect, manage and present video in a clear and concise manner.



MAXPRO® VMS System Diagram



MAXPRO VMS – Single Command and Control Interface

Integrated Video and Security Management System MAXPRO VMS and Pro-Watch®

The integration of MAXPRO VMS and Pro-Watch affords superior access control with alarm monitoring and video capabilities.

Intelligent Analytics for Proactive Threat Detection and Operation Efficiency Boost

MAXPRO VMS offers the option of adding our intelligent video analytics suite, Active Alert and Integration with Augmented Vision Face Recognition Analytics from Idemia.

License Plate Recognition

License Plate Recognition event management with rich details and easy report generation for efficient vehicle management with Honeywell VehicleTrace™ enabled cameras

Next Generation Vision MAXPRO VIEW Client Software

MAXPRO VIEW is the feature-rich next generation viewer that works with MAXPRO VMS to help operators intuitively perform video operations, thereby increasing personal productivity and responsiveness.

Intuitive Graphical User Interface for Efficient Site Management

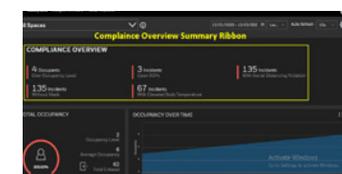
Intelligent Command's Web-based maps with drag-and-drop camera setup, easy cross-site navigation and HTML5 live video pop-up and instant playback, allow quick situational response.

IP Network Solutions

For a total video management experience, Honeywell's MAXPRO VMS and our comprehensive IP camera portfolio integrate with third party DVRs and NVRs – facilitating the migration to IP.

Unified Command & Control UltraKey IP Controllers

MAXPRO VMS gives users a unified end-to-end solution to interface devices ranging from NVRs and DVRs to PTZ controllers, matrix switchers and joystick controllers.



MAXPRO® NVRs

Network Video Recorders

From entry to enterprise, Honeywell's family of network-based boxed NVRs include a Professional Edition (PE), Standard Edition (SE) and Xpress Edition (XE). To simplify installation, the solutions come with pre-installed software and camera licences for quick set-up and system scalability. As a system grows, multiple NVR units can be combined into a full MAXPRO VMS system to support the deployment of a large-scale system



MAXPRO® NVRs

Open and easy to integrate

- Integrates with all Honeywell IP cameras
- H.265 compression
- Support for ONVIF Profile S, G & Q, PSIA
- Compatible with ESI Video Alarm receiver

Easy to Install and Use

- Pre-installed with all software and pre-licensed for up to 128 Channels (except SW)
- Easy 3-Click wizard for a quick installation
- Learn one, know all – common feature rich user experience across MAXPRO NVR family and MAXPRO VMS / Viewer and "MAXPRO NVR" mobile App

Scalable Integrated Security Solution

- Multiple MAXPRO NVRs deployed for system expansion using a distributed architecture and integrated with the MAXPRO Viewer multi-site software or MAXPRO VMS enterprise video management system
- Integrates with Honeywell WIN-PAK and Pro-Watch Access Control Systems

Flexible NVR Hardware

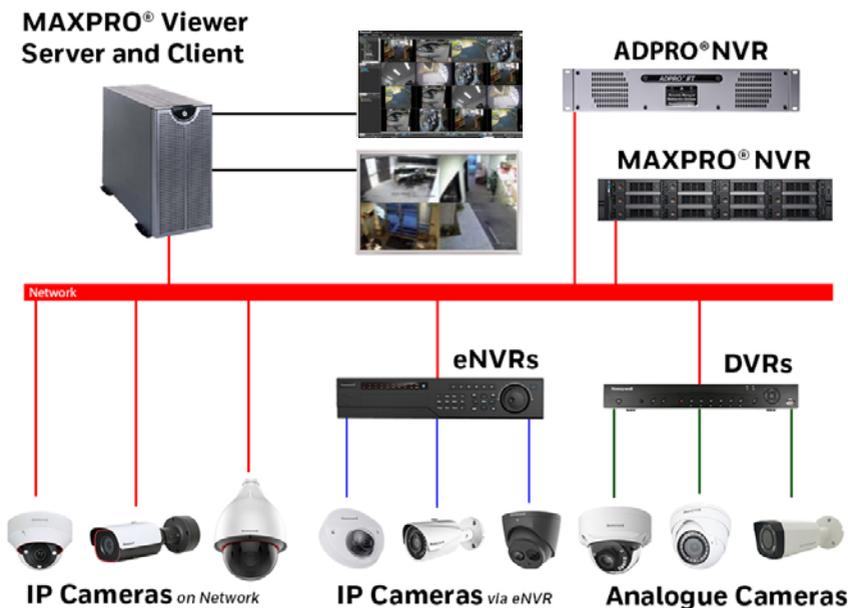
- Provides the processor and storage enclosure in one chassis, resulting in both space and cost savings
- Rack mountable with up to 12 removable drives

VERSION	DESCRIPTION	IP CHANNELS (STREAMS)	COMPRESSION	STORAGE	PERFORM	POWER SUPPLY
MAXPRO NVR PE (Rev C)	32/48/64/128-Ch Enterprise NVR	Up to 128 IP Channels (256 Streams)	H.265, H.264, MPEG-4, MJPEG	Up to 120TB (RAID5) or 109TB (RAID 6)	Up to 3840 fps @ 1080p (4 Mbps bitrate)	2x750W (Redond.)
MAXPRO NVR SE (Rev C)	16/32/64-Ch NVR	Up to 64 IP Channels (128 Streams)		Up to 60TB	Up to 1280 fps @ 1080p (4 Mbps bitrate)	1 x 400W
MAXPRO NVR XE (Rev C)	8/16-Ch Entry Level NVR	Up to 16 IP Channels (32 Streams)		Up to 20TB	Up to 480 fps @ 1080p (4 Mbps bitrate) HD	1 x 300W
MAXPRO NVR SOFTWARE ONLY	Network Video Recording Solution	Up to 128 IP Channels (256 Streams)		N/A	Up to 3840 fps @ 1080p (4 Mbps bitrate)*	N/A

*: Intel® Core™ i7-7700, 3.6 GHz or higher

MAXPRO® VIEWER

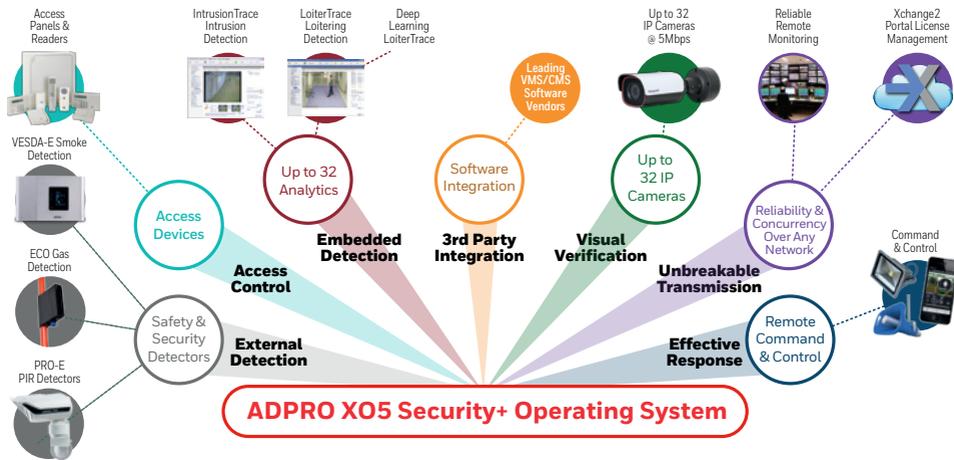
MAXPRO Viewer is a software application that allows multi-site viewing of Honeywell recorders including MAXPRO® NVRs and previous products that could already be in place. These recorders may be grouped into sites and viewed simultaneously through salvos and on multiple monitors. This creates a single command point where video and events can be viewed from a single user interface through the range of Honeywell recorders.



ADPRO NVRs

Network Video Recorders

ADPRO NVR+ systems running the XO 5 Security+ Operating System are the security industry's most powerful solutions and threat prevention solutions.



ADPRO iFT™ Gateway

XO-enabled NVR+ with Full Remote Monitoring

The iFT Gateway is a member of the ADPRO XO 5 Security+ Operating System enabled product family, and delivers ADPRO reliability and features in a low-cost IP video remote alarm transmission platform. This IP video multi-service platform offers full remote monitoring features such as arming/disarming, event quad pictures with the most reliable and secure transmission of alarms unlike competitive solutions that rely on insecure email transmission of alarms.

ADPRO iFT™

Remotely Programmable NVR+

The ADPRO iFT is the series' entry model, offering up to 32 IP channels that scales up to 16 IP channels with 16 analytic channels. This IP video multi-service platform runs the powerful XO 5 Security+ Operating System*. It is the only NVR out there that offers full remote monitoring features such as arming/disarming, event quad pictures, and reliable transmission via a proprietary acknowledge protocol. The iFT optimises bandwidth use for high quality recording by multistream camera connections, adapting video transmission to the available bandwidth..

ADPRO iFT-E

Remotely Programmable NVR+

The ADPRO iFT-E is the "32:32 vision" IP video multi-service platform that runs the powerful XO 5 Security+ Operating System*. It is the only NVR out there that offers full remote monitoring features such as arming/disarming, event quad pictures, and reliable transmission via a proprietary acknowledge protocol. The iFT-E optimises bandwidth use for high quality recording by multistream camera connections, adapting video transmission to the available bandwidth.

ADPRO® eFT

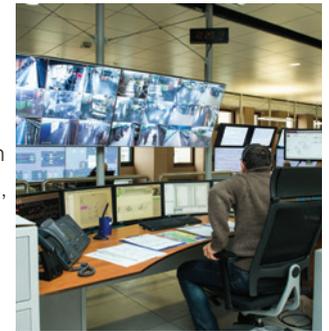
Remotely Programmable NVR+ (EMEA region only)

The ADPRO eFT is an IP video multi-service platform that runs the powerful XO 5 Security+ Operating System. It is the only NVR out there that offers full remote monitoring features such as arming/disarming, event quad pictures, and reliable transmission via a proprietary acknowledge protocol. The eFT optimizes bandwidth use for high quality recording by multi-stream camera connections, adapting video transmission to the available bandwidth.

ADPRO XO5

Security+ Operating System

ADPRO XO 5 is a 5th generation Security+ Operating System designed for ADPRO NVR+ systems, including the iFT Gateway, eFT (1), iFT, & iFT-E. XO 5 provides live 24/7 unbreakable transmission of very high quality video events to remote monitoring stations; providing deterrence through multi-level response, including audio, lighting/door controls, as well as first responder dispatch. Facilities deploying XO on an ADPRO NVR+ can realize greater protection and significant cost savings versus human guards.



FEATURE	iFT Gateway	eFT (1)	iFT	iFT-E
IP Channels Configuration	4 IP with option to add 4 Analytics	Up to 16 IP or 8 IP with 8 Analytics	Up to 32 IP or 16 IP with 16 Analytics	Up to 32 IP with up to 32 Analytics
Embedded Video Content Analytics	IntrusionTrace	✓	✓	✓
	LoiterTrace	✓	✓	✓
	Deep Learning LoiterTrace	-	-	Up to 4
Max Storage Capacity	32 GB SD Card (Minimum Required)	32 TB (2 HDD) (2) 64 TB (4 HDD) (2)	64 TB (4 HDD)	64 TB (4 HDD)
Inputs/Outputs (built-in)	0 / 0	4/2 or 16/4 (2)	8/4 or 20/8 (2)	8/4 or 20/8 (2)
Inputs/Outputs (via USB module)	20/8	40/16	20/8	20/8
Inputs/Outputs (via Network module (3))	128/128	128/128	128/128	128/128
Audio Inputs/Outputs (built-in)	0 / 1	0 / 1	0 / 1	0 / 1
Audio Inputs/Outputs via IP cameras (4)	Via Onvif profile S	Via Onvif profile S	Via Onvif profile S	Via Onvif profile S
PoE outputs	0	0, 8 or 16 (2)	0	0



(1) Not available in all regions, please consult us
 (2) Depending on model
 (3) Monitored or unmonitored inputs depending on Net I/O unit V2 hardware and V2 firmware combined with minimum XO 4.2 firmware on the controlling ADPRO device.
 (4) List of approved cameras available on www.security.honeywell.com

MAXPRO® Cloud 2.5

Hosted Video Surveillance

Anytime, Anywhere. When it comes to security, cloud computing is changing how you can run your business. MAXPRO® Cloud hosted video service features the cloud-ready hybrid video appliance that lets users view live and recorded video over the Internet using a PC, Mac, tablet or Smartphone. It is ideal for entry into video surveillance systems and offers opportunities for installers through hosted video services.



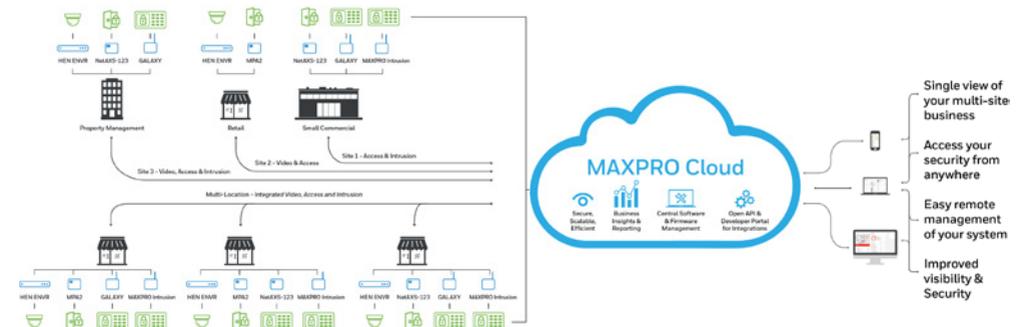
MAXPRO® Cloud: Key Benefits

- 24/7 Cloud-hosted service (Dedicated support team)
- Managed security as a service, Integrated Video, Access and Intrusion
- Health and status of your customer locations
- No servers or software to maintain
- Remote firmware management
- Multi-site deployment and management made easy
- Email and Push Notifications
- Built-in automated customer reporting
- Visual customer site management
- Cloud-ready hardware, not cloud dependent reducing your SKU count
- Plug & Play device, no ports to forward
- Low creation costs improving your cost multiples
- Remote managed services, manage cards, users, concierge
- Remote configuration changes
- Reduced truck rolls
- Proactive maintenance – know before you go
- Customer insight, and loyalty
- Pay for what you use, fully scalable
- Upsell opportunities



MAXPRO Cloud is an ideal solution for multi-location small to medium businesses. Single-sign on to multi-sites allows customers to access and manage their systems from anywhere.

MAXPRO® Cloud: How does it work?



Hardware

Video Recorders



- 4k/8MP NVRs series
- 4MP Hybrid DVRs series

Access Control



- MPA2
- NetAXS 123 panels

Intrusion Panel



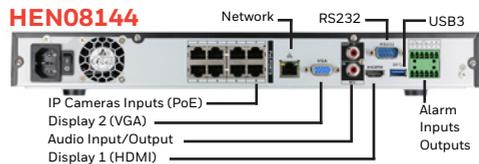
- MPI
- Galaxy panels series (EMEA)
- Vista panels series (NA)

MAXPRO CLOUD SERVICES - MONTHLY FEES	UP TO 1080P	>1080P UP TO 5MP
For Configuration & Maintenance (per DVR or NVR unit)	MPC-C000	
For Configuration & Maintenance (per NetAXS or MPA2 panel)	MPC-A000	
For one camera with 7-day storage	MPC-S007	MPC-H007
For one camera with 30-day storage	MPC-S030	MPC-H030
For one camera with 60-day storage	MPC-S060	MPC-H060
For one camera with 90-day storage	MPC-S090	MPC-H090
For one camera with 180-day storage	MPC-S180	MPC-H180
For one camera with 365-day storage	MPC-S365	MPC-H365
For one Galaxy Flex or Galaxy Dimension Intrusion panel	MPC-I000	
For one MPI 2000 or one MPI 3000 Intrusion panel	MPC-I003	
For one door control on MPI Intrusion panel	MPC-I003	
For one door control with MPA2 or NetAXS1.23 Access Control panel	MPC-A000	

Performance Series eNVRs

embedded H.265 IP recorders

The Performance 4K Embedded NVR is a Native Integrated Turnkey Video Solution ensuring more efficient / effective safety & security, reduce total cost of ownership, and reduce compliance & liability cost for SMB customers.



	PART NUMBER	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	PORTS / MAX TB	PoE	SATA/eSATA	STORAGE		
	4 CHANNEL	HEN04103	120 fps (1080p) 200 Mbps	(4k) 1 HDMI 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232, Up to 16TB	4	2/0	no HDD		
		HEN04113								1 TB		
		HEN04123								2 TB		
	8 CHANNEL	HEN08103	8 MP (4k) @ 1-15fps	240 fps (1080p) 200 Mbps	(4k) 1 HDMI 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232, Up to 16TB	8	2/0	no HDD	
		HEN08113									1 TB	
		HEN08123									2 TB	
16 CHANNEL	HEN16103	6MP/5MP/ 4MP/3MP/ 1080p/720p @ 25/30fps	480 fps (1080p) 200 Mbps	(4k) 2 HDMI, 1 VGA	16/6	1/1	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	2/0	no HDD		
										HEN16123	2 TB	
										HEN16143	4 TB	
										HEN16163	6 TB	
	8 CHANNEL	HEN08104	240 fps	(4k) 1 HDMI, 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232	8	2/0	no HDD		
										HEN08144	4 TB	
										HEN081124*	12 TB	
	16 CHANNEL	HEN16104	12MP / 8 MP (4k) @ 1-15fps	480 fps	(4k) 2 HDMI, 1 VGA	16/6	1/1	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	4/1	no HDD	
											HEN16144	4 TB
											HEN16184	8 TB
											HEN16204	no HDD
											HEN16284	8 TB
											HEN16244	24 TB
	32 CHANNEL	HEN32104	6MP/5MP/ 4MP/3MP/ 1080p/720p @ 25/30fps	960 fps	(4k) 1 HDMI, 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232	16	2/0	no HDD	
											HEN321124	12 TB
											HEN32304	no HDD
64 CHANNEL	HEN32384	6MP/5MP/ 4MP/3MP/ 1080p/720p @ 25/30fps	960 fps	(4k) 2 HDMI, 2 VGA	16/6	1/1	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	8 TB		
										HEN323164	16 TB	
										HEN32204	no HDD	
										HEN32284	8 TB	
										HEN322164	16 TB	
										HEN64204*	no HDD	
64 CHANNEL	HEN64304	6MP/5MP/ 4MP/3MP/ 1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 2 VGA	16/6	1/1	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD		
										HEN643164	16 TB	
										HEN643324	32 TB	
										HEN643484	48 TB	

*: Not available in the US

Embedded NVRs accessories

PART NUMBER	DESCRIPTION
HENHQARC*	IR Remote Control for ENVR and HQA DVR
HEN48VPS4CH*	48VDC Power Adapter for 4CH ENVR
HENHQ12VPS	12VDC/5A Power Adapter for ENVR & HQA DVR
HENHQATRAY	eNVR & HQA DVR Rack Mount Tray for HENxxx3 models

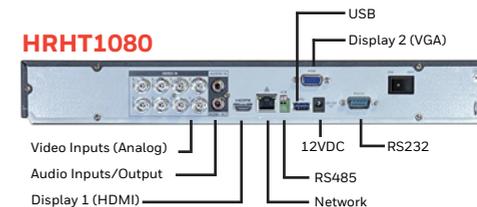


Performance HQA Hybrid DVRs

Analogue HQA and IP recorders

Our HQA DVRs use an over-coaxial cable analog HD video transmission standard to allow long-distance HD transmission at a lower cost. The Performance Series HQA DVRs are the economic alternative for achieving HD video surveillance while retaining your existing BNC cables and cameras.

- Fully-featured DVRs
- Convenient, Flexible Storage Options
- Dynamic, Accessible Monitoring
- Easy to Use
- Safety Features
- Up to 8MP*



	PART NUMBER	DESCRIPTION	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	SATA PORTS	STORAGE
	4 CH	HRHT4040	4 MP ** @ 1-15fps, 1080p/720p/ 960H@25/30fps	120 fps (720p) 60 fps (1080p) 24 Mbps	1 HDMI, 1 VGA	-	1/1	1	No HDD
		HRHT4041*							1 TB
		HRHT4042*							2 TB
	8 CH	HRHT4080	4 MP **@ 1-15fps, 1080p/720p/ 960H@25/30fps	240 fps (720p) 120 fps (1080p) 48 Mbps	1 HDMI, 1 VGA	-	1/1	2	No HDD
		HRHT4082*							2 TB
		HRHT4084*							4 TB
		HRHQ1080*							No HDD
		HRHQ1081*							1 TB
		HRHQ1082*							2 TB
	16 CH	HRHT4160	4 MP ** @ 1-15fps, 1080p/720p/ 960H...@ 25/30fps	480 fps (720p) 240 fps (1080p) 96 Mbps	1 HDMI, 1 VGA	-	1/1	2	No HDD
		HRHT4162*							2 TB
		HRHT4164*							4 TB
		HRHT4166*							6 TB
		HRHT41612*							12 TB
		HRHQ1160*							No HDD
HRHQ1162*	2 TB								
HRHQ1164*	4 TB								

*: Not available for EMEA
** : Up to 8 MP on the first channel only

How many IP channels can be used?

Number of Analogue/IP Channels available on HQA Hybrid DVRs																		
HRHT104X	Analogue Channels used	0	1	2	3	4												
	IP Channels remaining	6	5	4	3	2												
HRHQ108X & HRHT408x	Analogue Channels used	0	1	2	3	4	5	6	7	8								
	IP Channels remaining	12	11	10	9	8	7	6	5	4								
HRHQ116X & HRHT416x	Analogue Channels used	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	IP Channels remaining	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8



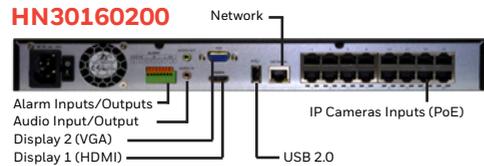
Additional IP channels cannot be used with MAXPRO® Cloud and no IP channel can be used if face detection is on



30 Series eNVRs

Embedded H.265 4K IP recorders

Affordable, fully-featured and NDAA Section 889 Compliant, the 30 Series NVRs offer 4K video resolution recording and Stream encryption. Choose between a 8 or 16 channels NVR, with multiple hard drive options and up to 20TB of internal storage, for an ideal and flexible solution to fit your NDAA Section 889 Compliant surveillance needs.



	PART NUMBER	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	PORTS	PoE	SATA	STORAGE
8 CHANNEL	HN30080200	4K (8MP)	30 fps (4K) 64 Mbps Max: 8 Mbps/ch	1 HDMI (4k)	4/1	1/1	Front: 1 x USB3.0, Rear: 1 x USB2.0	8	2	no HDD
	HN30080202									2 TB
	HN30080204									4 TB
	HN30080208									8 TB
16 CHANNEL	HN30080216	4K (8MP)	30 fps (4K) 96 Mbps Max: 6 Mbps/ch	1 VGA (1080p)	4/1	1/1	Front: 1 x USB3.0, Rear: 1 x USB2.0	16	2	no HDD
	HN30160200									4 TB
	HN30160204									8 TB
	HN30160208									16 TB
	HN30160216									20 TB
	HN30160220									

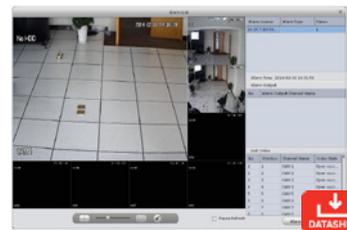
Built-in FIPS 140-2 Certified encryption Chipset for streaming & control

Central Management Software for Embedded NVRs/DVRs

HDCS/HVMV are central management software designed for the Embedded recorders to connect multiple devices for video surveillance. Featuring a user-friendly interface, they can be deployed for device add-on, configuration, status monitoring, alarm event checking, video live view and recording, as well as E-map central management system.

HDCS

for Performance Series NVRs/DVRs



HVMV

for 30 Series eNVRs



equIP® IP Cameras

Offering unlimited possibilities for every installation, Honeywell's equIP cameras provide outstanding image clarity and definition at minimal bandwidth, enabling better and faster decision making for more effective safeguarding of people and property.

Now with intelligent video analytics at the edge on equIP models and the open Video Analytic Framework, Honeywell can deliver improved situational awareness and allow you to customize your solution utilizing additional integrations.

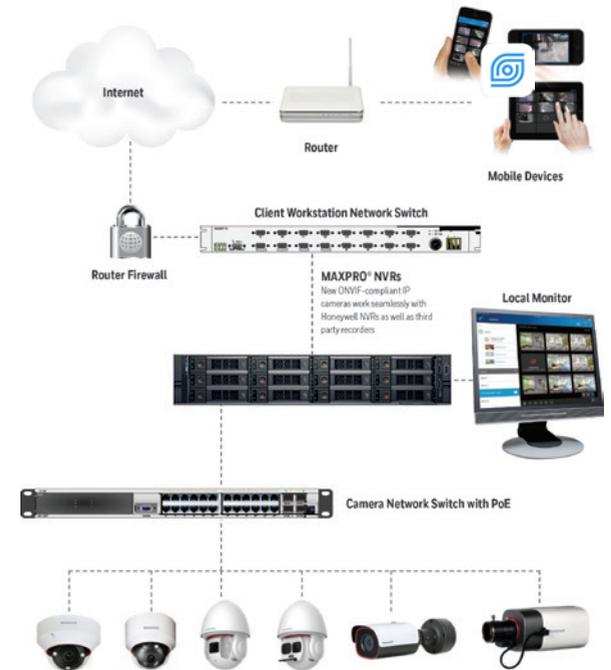


equIP Cameras

We're Focused on the Latest Technologies

Designed with open IP standards, including ONVIF Profile S, G and Q, our equIP network cameras offer superb picture quality and seamless integration to our portfolio of MAXPRO NVRs as well as other manufacturers' network devices to ensure full interoperability.

All cameras in the range support powering over PoE. This allows for faster installation time, remote power management for supply, monitoring, and cost saving versus running individual power to each camera. This provides both energy efficient solutions and infrastructure for centralised uninterrupted power backup for critical operations.



equiP Cameras

IR Indoor Dome IP Cameras

The H3 equiP dome 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.



H3W



	H3W2GR1V	H3W4GR1V	H2W2GR1
Resolution	2MP	4MP	2MP
Sensor	1/2.8"	1/3"	1/2.8"
Best Compression	H.265+		H.265+
Lens (MFZ)	2.7~13.5mm		2.8mm
Angle of View (Horiz)	110°- 32°	110°-30°	110°
Minimum Aperture	F1.6		F2.0
Minimum Illumination	0.001 lux	0.01 lux	0.001 lux
Smart IR LEDs range	30m		15m
True WDR	120dB (?)		120dB (?)
Power Input	12VDC / 24VAC / PoE		12VDC / PoE
Consumption (Max)	11W	10.5W	4.4W
Auxillary Power Supply Output	12VDC / 2W		-
PoE	(802.3af) Class 0		(802.3af) Class 0
Long distance PoE	300m (?)		100m
Temperature	-30°C +60°C		-30°C +60°C
Video Analytics	See analytics compatibility table		See table
Onvif Profiles	S, G, Q, T	S, G, Q	S, G, Q
Audio	Built-in microphone		Built-in micro
Environmental	IK10 (Bubble only)		IP67/IK10
In-Ceiling bracket supplied	✓		N/A
Other	UL CAP		UL CAP

(?) With Smart Scene Adaptive Technology
(?): 300m support using 3X POE switch



Micro-dome IP Cameras

With Low light, WDR and audio detection capabilities, this camera is the ideal solution for elevator surveillance. It can reduce people waiting time with faster response in case of incident and allows people identification to anticipate potential risks.



H2W

equiP Cameras

IR Rugged Dome IP Cameras

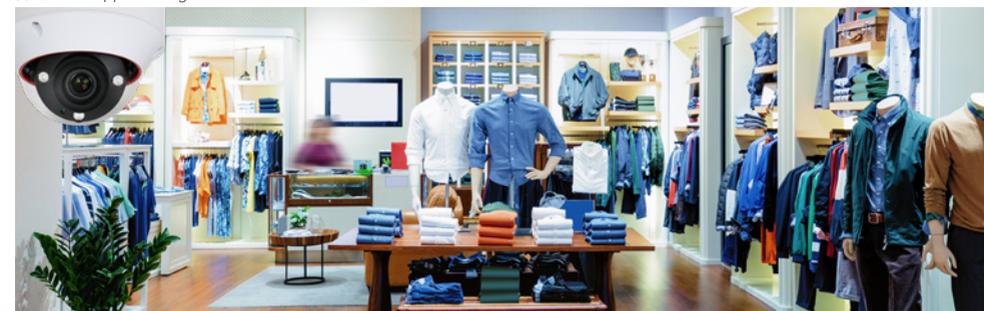
The H4 equiP rugged dome cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek modern design and offering up to 4K high definition images, the cameras are suited for a wide range of applications.



	H4L2GR1V	H4W2GR1V	H4W4GR1V	H4L6GR2	H4D8GR1
Resolution	2MP		4MP	6MP	12MP
Sensor	1/2.8"	1/2.8"	1/3"	1/1.8"	1/1.7"
Best Compression	H.265+			H.265	
Lens (MFZ)	2.7~12mm	2.7~13.5mm		4.1~16.4mm	4.1~12.8 mm,
Angle of View (Horiz)	102°- 35°	110°- 32°	110°-30°	86° - 35°	112°-35°
Minimum Aperture	F1.6			F1.53	F1.53
Minimum Illumination	0.001 lux		0.01 lux	0.004 lux	0.02 lux
Smart IR LEDs range	50m			45m	
True WDR	140dB (?)	120dB (?)		Digital WDR	
Power Input	12VDC / 24VAC / PoE				
Consumption (Max)	20.5W	22W	15W	18W	
Auxillary Power Output	12VDC-2W			-	
PoE	(802.3at) Class 4			-	
Long distance PoE	300m (?)		100m		
Temperature	-40°C +60°C				
Video Analytics	See analytics compatibility table				
Onvif Profiles	S, G, Q		S, G, Q, T	S, G, Q	S, G, Q, T
Other	UL CAP				



(?) With Smart Scene Adaptive Technology
(?): 300m support using 3X POE switch



equiP Cameras

Box IP Cameras

These box 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. Boasting a sleek modern design and offering up to 4K high definition images, these cameras are suited for a wide range of applications



Lens sold separately



	HCL2GV	HCW2GV	HCD8G
Resolution	2MP		12MP
Sensor	1/2.8"		1/1.7"
Best Compression	H.265+		H.265
Lens	To be ordered separately - support DC-Iris		
Focus	Auto Back Focus		
Minimum Illumination	0.001 lux		0.02 lux
True WDR	140dB (?)	120dB (?)	Digital WDR
Power Input	12VDC / 24VAC / PoE		
Consumption (Max)	9.5W	10W	8W
PoE	(802.3af) Class 0		
Long distance PoE	300m (?)		100m
Temperature	-30°C +60°C		
Video Analytics	See analytics compatibility table		
Onvif Profiles	S, G, Q	S, G, Q, T	S, G, Q
Audio	Built-in microphone		
Other	UL CAP Certified		



(?) With Smart Scene Adaptive Technology
(?): 300m support using 3X POE switch

Box Camera Lenses

PART NUMBER	DESCRIPTION	COMPATIBILITY
 HLM27V12MPD  DATASHEET	4 MP, 1/2.7", F1.6, 2.7 - 12 mm CS Lens	HCL2CV, HCW2CV
 HLM37V16MPD  DATASHEET	12 MP, 1/1.7", F1.5, 3.7 - 16 mm CS Lens	HCL2CV, HCW2CV, HCD8G

equiP Cameras

IR Rugged Bullet IP Cameras

The HB equiP series of IP bullet 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 up to 4K high definition images, the cameras are suited for a wide range of applications.



	HBL2GR1V	HBW2GR1V	HBW2GR3V	HBW4GR1V	HBL6GR2	HBL6GR2-LPR	HBD8GR1
Resolution	2MP		4MP		6MP	2MP	12MP
Sensor	1/2.8"		1/3"		1/1.8"		1/1.7"
Compression	H.265+				H.265		
Lens (MFZ)	2.7~12mm	2.7~13.5mm	5~60mm	2.7~13.5mm	4.1~16.4mm		5.1~12.8mm
Angle of View	102°- 35°	110°- 32°	62°- 6°	110°- 30°	86° - 35°		86° - 35°
Min. Aperture	F1.6				F1.53		F1.7
Min. Illumin.	0.001lux			0.01 lux	0.004lux		0.02 lux
IR LEDs range	60m						65m
True WDR	140dB (?)	120dB (?)			Digital WDR		
Power Input	12VDC / 24VAC / PoE						
Consump. (Max)	17W	20.5W	17.3W	17.6W	18W		
Power Output	12VDC-2W				-		
PoE	(802.3at) Class 4				-		
Long dist. PoE	300m (?)				100m		
Temperature	-40°C +60°C						
Video Analytics	See analytics compatibility table					LPR included	-
Onvif Profiles	S, G, Q		S, G, Q, T			S, G, Q	
Other	UL CAP Certified						



(?) With Smart Scene Adaptive Technology
(?): 300m support using 3X POE switch

Accessories

Long distance PoE switch

PART NUMBER	DESCRIPTION	POWER	COMPATIBILITY	DISTANCE
 HPOE3X  DATASHEET	3X POE switch, 1 x 100/1000 Base-X Fiber port, 1 x 10/100/1000 Base-T, 4 x 10/100 Base-T (ports 1-3:34W, port 4: 60W)	100-230 VAC / 48VDC 2A power adapter, consumption <4.8W	HBW2GR1V, HBW2GR3V, HBL2GR1V, HBW4GR1V, H4W2GR1V, H4W4GR1V, H3W2GR1V, H3W4GR1V, HCW2GV	up to 300m

IP/Coax converter

PART NUMBER	DESCRIPTION	POWER	DISTANCE
 HLR1001  DATASHEET	IP to Coax to IP Transmitter and receiver 1x10/100 Mbps Base-TX or RX, 1xBNC	PoE (<2W)	With RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps

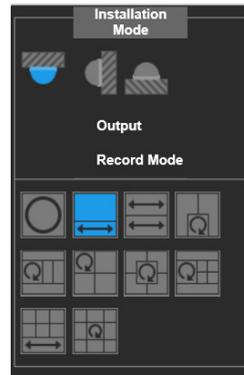
equiP Cameras

IR Fisheye IP Cameras

These fully featured attractive fisheye 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 the widest angle of view possible, the cameras are suited for a wide range of applications.



	HFD6GR1	HFD8GR1
Resolution	6MP	12MP
Sensor	1/1.8"	1/1.7"
Best Compression	H.265	
Lens	1.7mm	1.98mm
Angle of View (Horiz)	185°	
Minimum Aperture	F2.0	F2.8
Minimum Illumination	0.01 lux	
Smart IR LEDs range	8m	
WDR	Digital WDR	
Power Input	12VDC / PoE	
Consumption (Max)	10W	
PoE	PoE (Class 0)	
Temperature	-30°C +60°C	
Video Analytics	See analytics compatibility table	
Onvif Profiles	S, G, Q	
Audio	Built-in microphone	
Other	RJ45 Gigabit, UL CAP Certified	



equiP Cameras

IR Multi-imager IP Cameras

Ideal for mission critical verticals introducing nuclear and non-nuclear power stations, utility plants and petrochemical complexes, these highly durable cameras are also ideal for high risk business environments such as banking, higher education and commercial offices.



HMBL8GR1



	HM4L8GR1	HMBL8GR1
Resolution	8MP	
Sensors	1/1.9" (x 4)	1/1.7" x 4
Best Compression	H.265	
Lenses	5.0mm (x 4)	1.98mm
Angle of View (Horiz)	180°	
Minimum Aperture	F2.2	F2.8
Minimum Illumination	0.002 lux	
Smart IR LEDs range	30m	
WDR	Digital WDR	
Power Input	24VAC / PoE+	
Consumption (Max)	25W	
Auxiliary Power Supply Output	N/A	
PoE	PoE+ (Class 4)	
Long distance PoE support (300m)	N/A	
Temperature	-40°C +60°C	
Video Analytics	See analytics compatibility table	
Onvif Profiles	S, G, Q	
Other	RJ45 Gigabit	



HM4L8GR1



HMBL8GR1

equip Cameras

Explosion-proof bullet cameras

Designed for use in hazardous and challenging environments, Honeywell's explosion-proof network cameras features an AISI 316L stainless steel housing to provide maximum protection against deterioration.



	HEPB302W01A04 *	HEPB302W01A10 *
Resolution	2MP	
Sensor	1/2.8"	
Best Compression	H.265	
Lens	4.5-135mm MFZ	
Angle of View (Horiz)	62.35°-2.53°	
Minimum Aperture	F1.6-F4.4	
Minimum Illumination	0.005 lux in colour, 0.0005 lux in B&W	
WDR	True WDR 120dB	
Power Input	12VDC / 24VDC / 24VAC	
Consumption (Max)	4.2W	
Armoured Cable	4m	10m
ATEX-certified	EN 60079-0; EN 60079-1; EN 60079-31	
IECEX-certified	IEC 60079-0; IEC 60079-1; IEC 60079-31	
Temperature	-60°C +65°C	
Video Analytics	See analytics compatibility table	
Onvif Profiles	S	
Housing	AISI 316L stainless steel	
Other	Wiper, Electronic Image stabilization (EIS)	

MODEL	ACCESSORIES
HEPWS	Washer system kit, 10 L
HCPWM	AISI 316L stainless steel wall mount bracket
HCPPMA	AISI 316L stainless steel pole mount adapter
HCPCMA	AISI 316L stainless steel corner mount adapter
HCPPRM	AISI 316L stainless steel parapet mount bracket
HCPPRMJ	AISI 316L stainless steel parapet mount joint

equip Cameras

Explosion-proof PTZ cameras

Honeywell's latest explosion-protected PTZ network camera is a good fit for onshore, offshore, marine, and heavy industrial installations in hazardous and challenging environments. The camera features a 316L stainless steel housing certified for hazardous areas according to ATEX, IECEx, and UL. The housing prevents any interior sparks or explosions from escaping and igniting the gases or dust in the surrounding air. The HEPZ cameras provide extremely crisp video with up to 2 million effective pixels, 30x optical zoom, and True Day/Night WDR for continuous surveillance in both hazardous and safe area applications.



	HEPZ302W0-V24A	HEPZ302W0-V120A	HEPZ302W0-V230A
Resolution	2MP		
Sensor	1/2.8"		
Best Compression	H.265		
Lens	4.5-135mm MFZ		
Angle of View (Horiz)	62.35°-2.53°		
Minimum Aperture	F1.6-F4.4		
Minimum Illumination	0.005 lux in colour, 0.0005 lux in B&W		
PAN/TILT	PAN 360° endless, TILT -90° to 90°		
WDR	True WDR 120dB		
Power Input	24VAC	120VAC	230VAC
Consumption (Max)	1.20W		
ATEX-certified	EN60079-0; EN60079-1; EN60079-31		
IECEX-certified	IEC 60079-0; IEC 60079-1; IEC 60079-31		
Temperature	-40°C +80°C		
Video Analytics	See analytics compatibility table		
Onvif Profiles	S, Q, T		
Housing	AISI 316L stainless steel		
Other	Wiper		



MODEL	ACCESSORIES
HEPZWM	Wall Mount Bracket, AISI 316L stainless steel
HEPZPMA	Pole Mount Adapter, AISI 316L stainless steel
HEPZCMA	Corner Mount Adapter, AISI 316L stainless steel
HEPZPRM	Parapet/Ceiling Mount Adapter, AISI 316L stainless steel
HEPWS	Washer System Kit, with ATEX-certified solenoid valve, 24 VAC/VDC
HEPZA04	4 m Armored Cable with Barrier Cable Gland, ATEX/IECEX
HEPZA10	10 m Armored Cable with Barrier Cable Gland, ATEX/IECEX
HEPZT04-V	4 m Cable Tail with Conduit Cable Gland 3/4", UL
HEPZT10-V	10 m Cable Tail with Conduit Cable Gland 3/4", UL
HA70JCBEP	Explosion-Proof Junction Box, Power Supply 230/120VAC in and 24VAC out, Ethernet switch with 3 RJ45 ports and 1 SFP port, IP 66/68 - Cable glands and SFP module are not included

equiP PTZ Cameras

HDZ IP IR PTZ Cameras

Honeywell's HDZ series of Network PTZ True Day/Night cameras provides extremely crisp video with up to 2 million effective pixels. The series uses the latest digital technology and advanced video processing and includes a wide range of models to meet the diverse needs of large scale surveillance applications. Extremely crisp video with model options that include high definition 30x optical zoom

- With continuous video footage via the cameras' onboard SD card storage option, end users can have total confidence even in the unlikely event of a network crash
- Installation time and costs are reduced by eliminating the need for electrician intervention using high power POE++ on outdoor models
- Outdoor models include vandal proof IK10, ensuring continuous monitoring of areas vulnerable to attack and vandalism
- ONVIF compatibility allows "off the shelf" integration to support wider integration to existing or third party systems
- For areas where vibration and adverse weather could interfere with surveillance operations, built-in Electronic Image Stabilizer (EIS) provides an extremely stable platform



HDZ302LIK



	HDZ302LIW	HDZ302LIK
Resolution	2MP	
Sensor	1/1.9"	
Best Compression	H.264	
Lens	6.0-180mm	
Angle of View (Horiz)	61.2° - 2.32°	
Minimum Aperture	F1.6-F4.8	
PAN Travel	360° endless	
TILT Travel	-10° to 90°, auto flip 180°	
PRESETS	250	
PRESET Speed	Pan: Up to 200°/s; Tilt: Up to 200°/s	
Minimum Illumination	0.005 lux	
Smart IR LEDs range	150m	200m
WDR	True WDR 120dB	
Power Input	24 VAC / PoE++	
Consumption : Min (Max)	24W (32W)	24W (38W)
PoE	PoE++ (Class 5)	
Temperature	-40°C +70°C	
Video Analytics	See analytics compatibility table	
Onvif Profiles	S	
Environmental	IP67	IP67 / IK10
Other	Wiper	



HDZ302LIW

equiP PTZ Cameras

HDZ IP PTZ Cameras



HDZ302DIN-C1

HDZ302D

HDZ302DE



	HDZ302DIN-C1	HDZ302D	HDZ302DE
Resolution	2MP		
Sensor	1/2.8"		
Best Compression	H.265		
Lens	4.5mm - 135mm		
Angle of View (Horiz)	62.35° - 2.53°		
Minimum Aperture	F1.6-F4.4		
PAN Travel	360° endless		
TILT Travel	-20° to 90°, auto flip 180°	0° to 90°, auto flip 180°	
PRESETS	250		
PRESET Speed (PAN/TILT)	Up to 400°/s; / Up to 200°/s	Up to 500°/s; / Up to 400°/s	
Minimum Illumination	0.005 lux (colour)/0.0005 lux (B/W) @ F1.6		
WDR	True WDR 120dB		
Power Input	24 VAC / PoE+		
Consumption : Min (Max)	13W (13W)	13W (23W)	13W (31W)
PoE	PoE+ (Class 4)		
Temperature	-10°C +70°C	-40°C +60°C	-40°C +70°C
Video Analytics	See analytics compatibility table		
Onvif Profiles	S, G, Q, T	S, G, Q	
Environmental	IK10 (dome only)	IP66 / IK10	
Bubble type	Clear		
Other	UL CAP Certified		



equiP® / HDZ Cameras Mounts & accessories



CAMERA TYPE	CAMERA MODEL/ PART #NUMBER	# HOLES	D	WALL MOUNTS							IN CEILING MOUNTS		PENDANT MOUNT BRACKETS		JUNCTION BOX		POLE MOUNTS		CORNER MOUNTS	ADAPTER
				HAGOWLM4	HAGOWLM3	HFG-WK	HDZWM1	HDZWM2	HDZGM	HBC5WT-2	HD3IP-5K1	HFG-PK	HA60PMC4	HDZCM1 HDZCM2 HDZCM3	HDZJB	HA60BB1 HBG-BB	HB4G-PM	HDZPMA	HDZCMA	HDZNPTA
	Micro-dome Camera H2W2GR1		Ø 91mm (28x86mm)			✓									✓					
	INDOOR Mini-Domes H3W2GR1V, H3W2GR2, H3W4GR1V		Ø 95mm (41.5x83mm)		✓								✓							
	OUTDOOR Mini-Domes H4L2GR1V, H4W2GR1V, H4W2GR2, H4W4GR1V, H4D8GR1, H4L6GR2		Ø140mm	✓											✓	✓		✓		
	BULLET CAMERAS HBL2GR1V, HBW2GR1V, HBW2GR3V, HBW4GR1V, HBD8GR1, HBL6GR2		Ø 89mm (63x63mm)													✓	✓			
	BOX CAMERAS HCL2GV, HCW2GV, HCW4G, HCD8G	-	-								✓									
	INDOOR / OUTDOOR IR FISHEYE CAMERA HFD6GR1, HFD8GR1		Ø130mm			✓								✓		✓		✓		
	MULTI-IMAGER CAMERAS HM4L8GR1 HMBL8GR1	-	-				✓	✓							✓	with HDZWM1 HDZWM2		with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	✓
			Ø145mm (84x119mm)												✓			with HDZJB	with HDZJB	
	OUTDOOR PTZ CAMERAS HDZ302LIW, HDZ302LIK, HDZ302DE HDZ302D	-	-				✓	✓								with HDZNPTA	with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	✓
		-	-				✓	✓	✓							with HDZNPTA	with HDZWM1 HDZWM2 HDZGM	with HDZWM1 HDZWM2 HDZGM	with HDZWM1 HDZWM2 HDZGM	✓



60 Series IP Cameras

Take Advantage of Honeywell's 60 Series IP Cameras



Honeywell is taking quality and reliability to the next level with the new 60 series line of 4 / 5MP IP cameras including a 2MP outdoor speed dome. The Honeywell cameras, including indoor and outdoor dome, bullet and outdoor speed dome offer exceptional picture clarity, flexible system integration, secure data transmission and easy installation.

These fully featured attractive cameras are perfect for various types of security installations, from complete area coverage with speed dome cameras to high resolution True Day/Night cameras for any scenario. The 60 Series provides excellent picture clarity at minimal bandwidth whilst offering maximum protection against dust and water. Boasting modern designs and offering up to 5MP high definition images, these cameras are suited for a wide range of security applications.

Key Highlights

- Can be used as part of NDAA* (section 889) compliant systems
- Superior quality camera images up to 60m IR distance and Smart IR, up to 5MP
- Secure Stream Video Encryption directly between the camera and NVR provides sensitive data protection with Built-in FIPS 140-2 Certified encryption Chipset
- H.265 Smart codec saves 50% storage space
- Compatible with MAXPRO NVRs, Performance Series NVRs and ADPRO NVRs.
- Onboard video storage options supporting up to 256 GB
- Multiple language support
- Support USB Wi-Fi dongle for camera configuration from a mobile device
- Built-in FIPS certificate encryption chip
- 4 or 2 Alarm + 1 Audio inputs / 1 or 2 Alarm + 1 audio outputs

*: US National Defense Authorization Act

60 Series Cameras

IR Indoor Dome IP Cameras

The 60 Series Indoor dome 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.



	HC60W34R2L (3)	HC60W35R2	HC60W35R4
Resolution	4MP	5MP	
Sensor	1/2.8"		
Best Compression	H.265 HEVC, smart codec		
Main Video Stream (max)	4MP (1~25/30fps), 2MP (1~50/60fps)		5MP (1~25/30fps), 2MP (1~50/60fps)
Sub Video Stream	1280x720 (1~50/60fps)		5MP (1~25/30fps)
Third Video Stream	1280x720 (1~50/60fps)		1280x960 (1~25/30fps), 1280x720 (1~50/60fps)
Lens (MFZ)	2.7~13.5mm		7~22mm
Angle of View (Horiz)	100°- 30°		39° - 16°
Minimum Aperture	F1.4		F1.6
Minimum Illumination	0.04 lux		
Smart IR LEDs range	30m (98ft)		
True WDR	120dB		
Power Input	12VDC / 24VAC / PoE		
Consumption (Max)	12.95W		
PoE	(802.3af) Class 0		
USB Port	Micro USB port for Wi-Fi dongle connection (1)		
Encryption Chipset	Built-in FIPS 140-2 Certified encryption Chipset		
Working Temperature	-10°C +60°C (14°F +140°F)		
Video Analytics	No	See analytics compatibility table	
Local Storage	Micro SD / SDHC / SDXC card slot (up to 256 GB), SD Card encryption		
Onvif Profiles	S, G		
Audio	Built-in microphone, Input and Output		
Ingress Protection	IP52		
Impact Resistance	IK10 (Bubble only)		
In-Ceiling bracket (HA60ICZ)	Optional	Supplied	
Safety	UL LISTED TO UL / CSA 62368-1, CE (EN 62368-1)		
Can be used as part of NDAA(2) section 889 compliant systems	Yes		



DATASHEET



DATASHEET



DATASHEET

(1) : Wi-Fi used for camera settings only
 (2) : US National Defense Authorization Act
 (3) : Available in NA only

60 Series Cameras

IR Rugged Dome IP Cameras

The 60 Series rugged dome 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 up to 5MP high definition images, the cameras are suited for a wide range of applications.



	HC60W44R2L ⁽³⁾	HC60W45R2	HC60W45R4
Resolution	4MP	5MP	
Sensor	1/2.8"		
Best Compression	H.265 HEVC, smart codec		
Main Video Stream (max)	4MP (1~25/30fps), 2MP (1~50/60fps)	5MP (1~25/30fps), 2MP (1~50/60fps)	
Sub Video Stream	1280x720 (1~50/60fps)	5MP (1~25/30fps)	
Third Video Stream	1280x720 (1~50/60fps)	1280x960 (1~25/30fps), 1280x720 (1~50/60fps)	
Lens (MFZ)	2.7~13.5mm	7~22mm	
Angle of View (Horiz)	100°- 30°	39° - 16°	
Minimum Aperture	F1.4	F1.6	
Minimum Illumination	0.04 lux		
Smart IR LEDs range	60m (197ft)	50m (165ft)	
True WDR	120dB		
Power Input	12VDC / 24VAC / PoE		
Consumption (Max)	12.95W		
Fan and heater	No	Yes	
PoE	(802.3af) Class 0		
USB Port	Micro USB port for Wi-Fi dongle connection ⁽¹⁾		
Encryption Chipset	Built-in FIPS 140-2 Certified encryption Chipset		
Working Temperature	-30°C +60°C (-22°F +140°F)	-40°C +60°C (-40°F +140°F)	
Video Analytics	No	See analytics compatibility table	
Local Storage	Micro SD / SDHC / SDXC card slot (up to 256 GB), SD Card encryption		
Onvif Profiles	S, G		
Audio	Input and Output		
Ingress Protection	IP66 / IP67 / NEMA 4X		
Impact Resistance	IK10		
Plate and Rubber (HA60APR)	Optional	Supplied	
Safety	UL LISTED TO UL / CSA 62368-1, CE (EN 62368-1)		
Can be used as part of NDAA ⁽²⁾ section 889 compliant systems	Yes		

(1) : Wi-Fi used for camera settings only
 (2) : US National Defense Authorization Act
 (3) : Available in NA only



60 Series Cameras

IR Rugged Bullet IP Cameras

The 60 series bullet 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 up to 5MP high definition images, the cameras are suited for a wide range of applications.



	HC60WB4R2L ⁽³⁾	HC60WB5R2	HC60WB5R5
Resolution	4MP	5MP	
Sensor	1/2.8"		
Best Compression	H.265 HEVC, smart codec		
Main Video Stream (max)	4MP (1~25/30fps), 2MP (1~50/60fps)	5MP (1~25/30fps), 2MP (1~50/60fps)	
Sub Video Stream	1280x720 (1~50/60fps)	5MP (1~25/30fps)	
Third Video Stream	1280x720 (1~50/60fps)	1280x960 (1~25/30fps), 1280x720 (1~50/60fps)	
Lens (MFZ)	2.7~13.5mm	5~50mm	
Angle of View (Horiz)	100°- 30°	39° - 16°	
Minimum Aperture	F1.4	F1.9	
Minimum Illumination	0.04 lux		
Smart IR LEDs range	60m (197ft)		
True WDR	120dB		
Power Input	12VDC / 24VAC / PoE		
Consumption (Max)	12.95W		
Fan and heater	No	Yes	
PoE	(802.3af) Class 0		
USB Port	Micro USB port for Wi-Fi dongle connection ⁽¹⁾		
Encryption Chipset	Built-in FIPS 140-2 Certified encryption Chipset		
Working Temperature	-30°C +60°C (-22°F +140°F)	-40°C +60°C (-40°F +140°F)	
Video Analytics	No	See analytics compatibility table	
Local Storage	Micro SD / SDHC / SDXC card slot (up to 256 GB), SD Card encryption		
Onvif Profiles	S, G		
Audio	Input and Output		
Ingress Protection	IP66 / IP67 / NEMA 4X		
Impact Resistance	IK10		
Safety	UL LISTED TO UL / CSA 62368-1, CE (EN 62368-1)		
Can be used as part of NDAA ⁽²⁾ section 889 compliant systems	Yes		

(1) : Wi-Fi used for camera settings only
 (2) : US National Defense Authorization Act
 (3) : Available in NA only



60 Series Cameras

PTZ Cameras

The 60 Series 2MP PTZ 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 up to 2MP full HD images, the cameras are suited for a wide range of applications.



	HC60WZ2E30
Resolution	2MP
Sensor	1/2.8"
Best Compression	H.265 HEVC, smart codec
Main Video Stream (max)	2MP (1~50/60fps)
Sub Video Stream	1280x720 (1~50/60fps)
Third Video Stream	640x360 (1~50/60fps)
Lens (MFZ)	4.3~139mm (30x)
Angle of View (Horiz)	64°- 2°
Minimum Aperture	F1.6
Minimum Illumination	0.1 lux
True WDR	120dB
Pan Speed [Range]	0.05° ~ 450° / sec [360° endless]
Tilt Speed [Range]	0.05° ~ 450° / sec [220° (-110° +110°)]
Preset Locations [Accuracy]	256 preset locations, 128 presets per patrol [0.1°]
Power Input	24VDC / 24VAC / UPoE
Consumption (Max)	MAX 48 W (Heater on), 26 W (Heater off)
Fan and heater	Yes
USB Port	Micro USB port for Wi-Fi dongle connection ⁽¹⁾
Encryption Chipset	Built-in FIPS 140-2 Certified encryption Chipset
Working Temperature	-40°C +60°C (-40°F +140°F)
Video Analytics	See analytics compatibility table
Local Storage	Micro SD / SDHC / SDXC card slot (up to 256 GB), SD Card encryption
Onvif Profiles	S, G
Audio	Input and Output
Ingress Protection	IP66 / IP68 / NEMA 4X
Impact Resistance	IK10
Safety	UL LISTED TO UL / CSA 62368-1, CE (EN 62368-1)
Can be used as part of NDA ⁽²⁾ section 889 compliant systems	Yes

(1) : Wi-Fi used for camera settings only

(2) : US National Defense Authorization Act

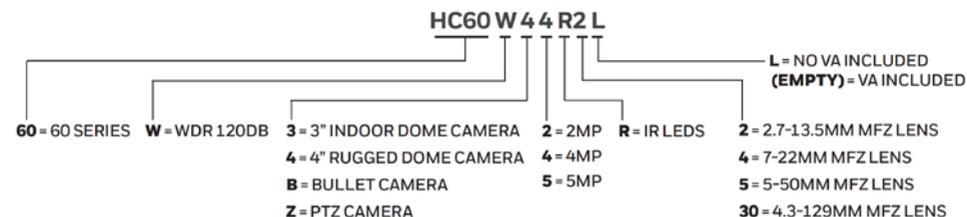
60 Series Cameras

Quick Ordering Guide



PART NUMBER	DESCRIPTION
HC60W34R2L ⁽¹⁾	4MP Network IR Indoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE, H.265 HEVC Smart Codec, IP52, Built-in Microphone, White, No VA Licence
HC60W35R2	5MP Network IR Indoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE, H.265 HEVC Smart Codec, IP52, Built-in Microphone, White
HC60W35R4	5MP Network IR Indoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 7-22mm MFZ, 4 IR LEDs, PoE, H.265 HEVC Smart Codec, IP52, Built-in Microphone, White
HC60W44R2L ⁽¹⁾	4MP Network IR Outdoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, White, No VA Licence
HC60W45R2	5MP Network IR Outdoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, White
HC60W45R4	5MP Network IR Outdoor Dome Camera, WDR 120 dB, 1/2.8" CMOS, 7-22 mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, White
HC60WB4R2L ⁽¹⁾	4MP Network IR Outdoor Bullet Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, Grey, No VA Licence
HC60WB5R2	5MP Network IR Outdoor Bullet Camera, WDR 120 dB, 1/2.8" CMOS, 2.7-13.5mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, Grey
HC60WB5R5	5MP Network IR Outdoor Bullet Camera, WDR 120 dB, 1/2.8" CMOS, 5-50mm MFZ, 4 IR LEDs, PoE+, H.265 HEVC Smart Codec, IP66/67/IK10/NEMA4X, Grey
HC60WZ2E30	2MP Network PTZ Outdoor Dome, WDR 120 dB, 1/2.8" CMOS, 30X Optical Zoom, TDN, H.265 HEVC Smart Codec, UPoE, 24VAC/DC, IP68/IK10/NEMA4X, White

(1) : Available in NA only



60 SERIES ACCESSORIES COMPATIBILITY TABLE

		HA60CB3 HA60SB3	HA60CB4 HA60SB4	HA60CB6 HA60SB6	HA60BB1	HA60CNMZ	HA60APR	HA60WLM3	HA60WLM4	HA60WLMZ	HA60PMC3	HA60ICK	HA60ICMZ	HA60PMC4	HA60PCMZ	HA60PLMZ	HA60BFP	HA60WIF ⁽¹⁾	HA60POEZ	
	PART NUMBER	REPLACEMENT DOME			JUNCTION BOX	CORNER MOUNT	PLATE AND RUBBER	WALL MOUNT			FLUSH MOUNT / IN-CEILING BRACKET		PENDANT MOUNT		POLE MOUNT	FRONT PLATE	WIFI DONGLE	POE ADAPTOR		
	HC60W34R2L ⁽²⁾	✓						✓			✓	✓						✓		
	HC60W35R2 HC60W35R4												supplied							
	HC60W44R2L ⁽²⁾		✓			✓		✓										✓		
	HC60W45R2 HC60W45R4					supplied														
	HC60WB4R2L ⁽²⁾ HC60WB5R2 HC60WB5R5				✓													✓	✓	
	HC60WZ2E30			✓		✓				✓			✓		supplied	✓		✓	✓	

(1) : Used for Camera configuration only
 (2) : Available in NA only



30 Series IP Cameras

Integrate Security into Your Business



Meet the Honeywell 30 Series IP cameras, an integrated video solution that empowers you to improve the safety and security of your building. With a 50 meter Smart IR LED range, a camera resolution of up to 5MP, and secure stream video encryption, the 30 Series offering suits all small-to-medium businesses (SMB) and entry-level enterprises that want to reduce their liability cost and their total cost of ownership – ensuring complete compliance with all industry standards and regulations.

Honeywell Security supports easy multi-site

management and access control integration with MAXPRO® Cloud and ADPRO® for head-end video analytic features that ensure a more efficient solution, with a unified graphical user interface that reduces training and installation time.

Key Highlights

- Can be used as part of NDAA* (section 889) compliant systems
- Superior quality camera images with 50m IR distance and Smart IR, up to 5MP
- Secure Stream Video Encryption directly between the camera and NVR provides sensitive data protection
- H.265 Smart codec saves 50% storage space
- Designed with open IP standards, including ONVIF Profile S & G
- Compatible with MAXPRO NVRs, Performance Series NVRs and ADPRO NVRs.
- Onboard video storage options supporting up to 256 GB
- Multiple language support
- People detection

CIF = 352x240/288
VGA = 640x480
D1 = 704x480/576
D1 = 1280x720
2MP = 1920x1080
5MP = 2560x1920

	PART NUMBER	DESCRIPTION	ONVIF	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HORIZONTAL ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE	BEST COMPRESSION	FRAMERATE	ENVIRON. RATINGS	POWER REQUIREMENTS	WORKING ENVIRONMENT
IR DOME CAMERAS															
Fixed lens 2MP 5MP MFZ		HC30W42R3 DATASHEET	S, G	1/2.9"	2.8mm fixed, F2.0	2MP	0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	109°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	30m (98ft)	H.265 Smart Codec	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 640x360(1-25/30fps)	IP66 / IK10	PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on)	-30°C to 60°C; (-22°F to 140°F) 0% to 90% RH, non-condensing
		HC30W45R3 DATASHEET		5MP		0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	103° @5MP 108° @4MP	Main Stream: 5MP/4MP (1-25/30fps) *Up to 30fps @5M under H.265 only Sub Stream: 800x600 (1-25/30fps) Third Stream: VGA (1-25/30fps)				PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on)			
		HC30W45R2 DATASHEET		5MP	1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on)	88° - 30° @5MP 93° - 32° @4MP				PoE (802.3af), 12 VDC 13W max. (IR LEDs on)			
IR BULLET CAMERAS															
Fixed lens 2MP 5MP MFZ		HC30WB2R1 DATASHEET	S, G	1/2.9"	4mm fixed, F2.0	2MP	0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	81°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	50m (165ft)	H.265 Smart Codec	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 640x360(1-25/30fps)	IP66	PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on)	-30°C to 60°C; (-22°F to 140°F) 0% to 90% RH, non-condensing
		HC30WB5R1 DATASHEET		5MP		0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	78° @5MP 82° @4MP	Main Stream: 5MP/4MP (1-25/30fps) *Up to 30fps @5M under H.265 only Sub Stream: 800x600 (1-25/30fps) Third Stream: VGA (1-25/30fps)				PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on)			
		HC30WB5R2 DATASHEET		5MP	1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on)	88° - 30° @5MP 93° - 32° @4MP				PoE (802.3af), 12 V DC 13W max. (IR LEDs on)			
IR BALL CAMERAS															
Fixed lens 2MP 5MP MFZ		HC30WE2R3 DATASHEET	S, G	1/2.9"	2.8mm fixed, F2.0	2MP	0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	109°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	50m (165ft)	H.265 Smart Codec	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 640x360(1-25/30fps)	IP66 / IK10	PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on)	-30°C to 60°C; (-22°F to 140°F) 0% to 90% RH, non-condensing
		HC30WE5R3 DATASHEET		5MP		0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	103° @5MP 108° @4MP	Main Stream: 5MP/4MP (1-25/30fps) *Up to 30fps @5M under H.265 only Sub Stream: 800x600 (1-25/30fps) Third Stream: VGA (1-25/30fps)				PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on)			
		HC30WE5R2 DATASHEET		5MP	1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on)	88° - 30° @5MP 93° - 32° @4MP				PoE (802.3af), 12 V DC 13W max. (IR LEDs on)			
IR FISHEYE CAMERA															
Fixed lens 5MP		HC30WF5R1 DATASHEET	S, G	1/2.7"	1.16mm fixed, F2.25	5MP	0.05 lux (colour)/0 lux (B/W) @ F2.25 (with IR LEDs on)	180°	Micro SD, Micro SDHC, Micro SDXC up to 256GB	20m (65.5ft)	H.265 Smart Codec	Main Stream: 1920x1920 (-25/30fps) Sub Stream: 960x960 (1-25/30fps) Third Stream: 480x480 (1-25/30fps)	IP66 / IK10	PoE (802.3af), 12 VDC 10.8W max. (IR LEDs on)	-30°C to 60°C; (-22°F to 140°F) 0% to 90% RH, non-condensing

*. US National Defense Authorization Act

30 SERIES MOUNTS COMPATIBILITY TABLE

				HA30JCB01	HA30PMC01	HA30PMC02	HA30PMC03	HA30PMB01	HA30PME01	HA30PME02	HA30WLM01	HA30WLM03	HA30PLM01	HA30CNM01
	# HOLES	D	MODEL	JUNCTION BOX	PENDANT MOUNT CAP			PENDANT MOUNT BASE	PENDANT MOUNTING PIPE		WALL MOUNTING		POLE MOUNT	CORNER MOUNT
		Ø 98mm	HC30W42R3 HC30W45R3	✓	✓ To be used with HA30PMB01 (+ HA30PME01/02) or H30WLM01			✓ HA30PMC01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 required	✓	✓ HA30PMC01 + HA30WLM01 required	✓ HA30PMC01 + HA30WLM01 required
		Ø 110mm	HC30W45R2	✓		✓ To be used with HA30PMB01 (+ HA30PME01/02) or H30WLM01		✓ HA30PMC02 required	✓ HA30PMC02 + HA30PMB01 required	✓ HA30PMC02 + HA30PMB01 required	✓ HA30PMC02 required	✓	✓ HA30PMC02 + HA30WLM01 required	✓ HA30PMC02 + HA30WLM01 required
		Ø 70mm	HC30WB2R1 HC30WB5R1											
			HC30WB5R2											
		Ø 69mm	HC30WE2R3 HC30WE5R3		✓ To be used with HA30PMB01 (+ HA30PME01/02) or H30WLM01			✓ HA30PMC01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 required		✓ HA30PMC01 + HA30WLM01 required	✓ HA30PMC01 + HA30WLM01 required
		Ø 84mm	HC30WE5R2		✓ To be used with HA30PMB01 (+ HA30PME01/02) or H30WLM01			✓ HA30PMC01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 + HA30PMB01 required	✓ HA30PMC01 required	✓	✓ HA30PMC01 + HA30WLM01 required	✓ HA30PMC01 + HA30WLM01 required
		Ø 98mm Ø 110mm	HC30WF5R1				✓ To be used with HA30PMB01 (+ HA30PME01/02) or H30WLM01	✓ HA30PMC03 required	✓ HA30PMC03 + HA30PMB01 required	✓ HA30PMC03 + HA30PMB01 required	✓ HA30PMC03 required		✓ HA30PMC03 + HA30WLM01 required	✓ HA30PMC03 + HA30WLM01 required

*: US National Defense Authorization Act

Performance Series IP Cameras



Upgrading to IP has never been so easy and affordable. Honeywell's Performance Series IP cameras are fully featured, competitively priced cameras that pair perfectly with a 4/8/16 32/64-channel Performance Series Embedded NVR.

Choose from a full range of IP cameras that includes up to Ultra HD 4k definition True Day/Night IR mini-dome, bullet and ball cameras to give you greater flexibility to get the solution that's right for your installation. Designed with open IP standards, including ONVIF Profile S, G, Q and T our IP network cameras offer super picture

quality and seamless integration to our Honeywell video NVR solutions.

Key Highlights

- IR LEDs provide up to 60 m of illumination in dimly lit or night-time scenes
- Smart IR technology for even distribution of IR
- Waterproof (IP66) camera housings are perfect for outdoor installations
- Range includes both motorized focus/zoom and fixed lenses for a wide range of field of view options
- Quick wizard and PoE support plug-and-play and make setup fast and easy
- Designed with open IP standards, including ONVIF Profile S, G, Q and T
- Compatible with HDCS, MaxPro VMS, MaxPro Viewer and ProWatch
- Simple remote configuration and firmware updating through the Honeywell Viewer web client and the Honeywell Config tool
- Conceal up to 4 areas of a scene from viewing and recording
- Monitor from anywhere using HonView Touch Mobile App
- Onboard video storage options supporting up to 128 GB (some models only – card not included)
- People counting built-in solution to provide customers behavior analysis in retail store

CIF = 352x240/288 VGA = 640x480 | D1 = 704x480/576 720P = 1280x720 | 2MP = 1920 x 1080 3MP = 2304x1296 | 4MP = 2688 x 1520 6MP = 3072 x 2048 | 8MP/4K = 3840 x 2160

	PART NUMBER	DESCRIPTION	ONVIF	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HORIZONTAL ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE (M)	COMPRESSION	FRAMERATE	ENVIRON. RATINGS	POWER REQUIREMENTS	WORKING ENVIRONMENT
IR BALL CAMERA															
Fixed lens	2MP	HED2PER3 DATASHEET	2MP DWDR TDN IR Ball camera	S, Q		2.8mm fixed, F2.0	2MP	0.08 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	83°	N/A	25	Main Stream: 2MP (1~25/30fps) Sub Stream: D1 (1~25/30fps)	IP66 rated	PoE (802.3af), 12 V DC 4.12 W max. (IR LEDs on)	-30°C to 55°C; 0% to 95% RH, non-condensing
		HEW4PER3 DATASHEET	4MP WDR TDN IR Ball camera	S, Q		2.8mm fixed, F2.0		0.08 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	87°	N/A	25	Main Stream: 4MP (1~25/30fps) Sub Stream: D1 (1~25/30fps)		PoE (802.3af), 12 V DC 4.68 W max. (IR LEDs on)	-30°C to 55°C; 0% to 95% RH, non-condensing
MFZ	4MP	HEW4PER3B DATASHEET	4MP WDR TDN IR Ball camera grey	S, G, Q	1/3"	2.8mm fixed, F1.6	4MP	0.4 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	104°	MicroSDHC, up to 128GB	H.265 H.264	Main Stream: 4MP (1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P (1~25/30fps)	IP66 rated	PoE (802.3af), 12 V DC 4.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
		HEW4PER2 DATASHEET	4MP WDR TDN IR Ball camera white	S, G, Q		2.7-13.5mm MFZ, F1.4		0.3 lux, F1.4 (colour); 0 lux (with IR LEDs on)	108° - 28°		Main Stream: 4MP (1~25/30fps) Sub Stream: D1(1~25/30fps)				
		HEW4PER2B DATASHEET	4MP WDR TDN IR Ball camera grey	S, G, Q											

VIDEO SURVEILLANCE SYSTEMS

Performance Series IP Cameras

CIF = 352x240/288
VGA = 640x480 | D1 = 704x480/576
720P = 1280x720 | 2MP = 1920 x 1080
3MP = 2304x1296 | 4MP = 2688 x 1520
6MP = 3072 x 2048 | 8MP/4K = 3840 x 2160

	PART NUMBER	DESCRIPTION	ONVIF	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HOR. ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE	COMPRESSION	FRAMERATE	ENVIRON. RATINGS	POWER REQUIREMENTS	ENVIRONMENT	
IR RUGGED DOME																
Fixed lens 2MP		H2W2PER3 2 MP WDR TDN IR Micro-Dome Camera with built-in microphone	S, G, Q	1/2.8"	2.8mm fixed, F2.0	2MP	0.07 lux, F2.0 (colour); 0 lux (B/W with IR LEDs on)	110°	MicroSDHC, up to 128GB	20m 65ft	H.265 H.264	Main Stream: 2MP (1-50/60fps) Sub Stream: D1 (1-25/30fps) Third Stream: 2MP (1-25/30fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on)	-30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing	
		H2W2PC1M 2 MP WDR TDN people counting Camera built-in microphone	S, G, Q		2.1mm fixed, F2.0		0.08 lux, F2.0 (colour); 0.04 lux F2.0 (B/W)			128°		No IR LEDs		Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 2MP (1-25/30fps)		PoE (802.3af), 12 V DC 4.5 W max.
		H2W4PER3 4 MP WDR TDN IR Mini-Dome Camera with built-in microphone	S, G, Q	1/3"	4MP	0.3 lux, F2.0 (colour); 0 lux (B/W with IR LEDs on)	104°	20m 65ft		Main Stream: 4MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 720P (1-25/30fps)		PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on)				
MFZ 2MP		H4W2PER3 2 MP WDR IR Rugged Mini Dome Camera	S, G, Q	1/2.8"	2.8mm fixed, F2.0	2MP	0.07 lux colour F2.0; 0 lux B/W with IR LEDs on @ F2.0	107°	MicroSDHC, up to 128GB	30m 98ft	H.265 H.264	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 4.6 W max. (IR LEDs on)		-30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing
		H4W4PER2 4 MP WDR TDN IR Rugged Mini-Dome Camera	S, G, Q	1/3"	2.7 - 13.5mm, MFZ, F1.4		0.05 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4			108° - 30°		30m 98ft		Main Stream: 2MP : 1-25/30fps Sub Stream: D1 : 1-25/30fps		
		H4W8PR2 8 MP (4K) WDR TDN IR Rugged Mini-Dome Camera	S, G, Q	1/2"	3.7 - 11mm, MFZ, F1.9	0.09 lux (colour)/0 lux (B/W) @ F1.9 (with IR LEDs on)	113° - 50°	30m 98ft		Main Stream: 4K (1-25/30fps) Sub Stream: D1(1-25/30fps)		PoE (802.3af), 12 V DC 10.9 W max. (IR LEDs on)				
IR BULLET																
Fixed lens 2MP		HBD2PER1 2 MP DWDR TDN IR Bullet Camera	S, Q	1/2.9"	3.6mm fixed, F2.0	2MP	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	83°	-	30m 98ft	H.265 H.264	Main Stream: 2MP : 1-25/30fps Sub Stream: D1 : 1-25/30fps;	IP66 rated	PoE (802.3af), 12 V DC 5.03 W max. (IR LEDs on)	-30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing	
		HBW2PER1 2 MP WDR TDN IR Bullet Camera	S, Q	1/2.8"			0.07 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0					88°		Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)		
		HBW4PER1 4 MP WDR TDN IR Bullet Camera	S, Q	1/3"	4MP	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	87°	-				Main Stream: 4MP (1-20fps) Sub Stream: D1 (1-25/30fps);		PoE (802.3af), 12 V DC 5.7 W max. (IR LEDs on)		
MFZ 2MP		HBW2PER2 2 MP WDR TDN IR Bullet Camera	S, G, Q	1/2.8"	2.7 - 13.5mm, MFZ, F1.4	2MP	0.05 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	108° - 30°	MicroSD, up to 128GB	50m 164ft	H.265 H.264	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)	IP66 rated	PoE (802.3af), 12 V DC 9.5 W max. (IR LEDs on)		-30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing
		HBW4PER2 4 MP WDR TDN IR Bullet Camera	S, G, Q	1/3"	4MP	0.03 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4	104° - 28°	50m 164ft		Main Stream: 4MP (1-20fps) Sub Stream: D1 (1-25/30fps) Third Stream: 720P (1-25/30fps)		PoE (802.3af), 12 V DC 11.74 W max. (IR LEDs on)				
		HBW8PR2 8 MP (4K) WDR TDN IR Bullet Camera	S, G, Q	1/2"	3.7 - 11mm, MFZ, F1.9	8MP	0.09 lux (colour)/0 lux (B/W) @ F1.9 (with IR LEDs on)	113° - 50°		60m 197ft		Main Stream: 4K (1-25/30fps) Sub Stream: D1(1-25/30fps)		PoE (802.3af), 12 V DC 14.3 W max. (IR LEDs on)		
PTZ CAMERAS																
MFZ - PTZ 2MP		HDZP252DI 2MP IR, DWDR Indoor / Outdoor PTZ,	S, G	1/2.8"	4.8-120mm, MFZ, F1.6-F4.4	2MP	0.005 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	59.2° - 2.4°	MicroSD, up to 128GB	100m 328ft	H.265 H.264	Main Stream: 2MP (50/60fps) Sub Stream: D1 (1-25/30fps) Third Stream: 720P (1-25/30fps)	IP66 rated	12VDC / 20W Max PoE+	-40°C to 70°C; (-40° F ~ +158° F) 0% to 95% RH, non-condensing	
		HDZP304DI 4MP IR, WDR 120dB Indoor / Outdoor PTZ,	S, Q	1/3"	4.5-135mm, MFZ, F1.6-F4.4	4MP	0.05 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	60° - 2.2°				Main Stream: 4MP (1-25/30fps or 2MP (50/60fps) Sub Stream: D1 (1-25/30fps) Third Stream: 2MP (1-25/30fps)		24VAC ± / 10% / 23W Max PoE+		

VIDEO SURVEILLANCE SYSTEMS

PERFORMANCE & 30 SERIES

BRACKETS COMPATIBILITY TABLE

				HQA-BB1	HQA-BB2G	HQA-BB3 HQA-BB3G	HQA-BB4	HQA-BB5	HBS2-BB	HEJB	HQA-WK HQA-WKB	HQA-WK2 HQA-WK2G	HQA-IC	HQA-PK	HQA-PM2 HQA-PM2B	HBS34S2-CMB
MODEL	# HOLES	D =	PART NUMBER	JUNCTION BOX						WALL MOUNT		IN-CEILING BRACKET	PENDANT MOUNT CAP	POLE MOUNT	CORNER MOUNT	
		Ø 110mm	H4W2PER2, H4W4PER2, H4W8PR2 HC30W45R2		✓		✓				✓ HQA-WK		✓	✓	with HQA-WK*, HQA-BB2G or HQA-BB4	with HQA-BB2G or HQA-BB4
		Ø 98mm	H4W2PER3, HC30W42R3 HC30W45R3		✓						✓ HQA-WK			✓	with HQA-WK or HQA-BB2G	with HQA-BB2G
		Ø 55mm	HBD2PER1, HBW4PER1						✓	✓					with HBS2-BB or HEJB	with HBS2-BB or HEJB
		Ø 70mm	HBW2PER2 HBW4PER2 HBW8PR2 HC30WB2R1 HC30WB5R1 HC30WB5R2						✓						with HBS2-BB	with HBS2-BB
		Ø 69mm	HC30WE2R3 HC30WE5R3	✓		✓ HQA-BB3					✓ HQA-WK2			✓	with HQA-BB1, HQA-WK2 or HQA-BB3	with HQA-BB1 or HQA-BB3
		Ø 69mm	HEW4PER3B	✓		✓ HQA-BB3G					✓ HQA-WK2G			✓	with HQA-BB1, HQA-WK2G or HQA-BB3G	with HQA-BB1 or HQA-BB3G
		Ø 68mm	HED2PER3, HEW4PER3	✓							✓ HQA-WK2			✓	with HQA-WK2/G or HQA-BB1	with HQA-BB1
		Ø 84mm	HEW4PER2 HC30WE5R2		✓		✓				✓ HQA-WK			✓	with HQA-WK, HQA-BB2G or HBS2-BB	with HQA-BB2G or HBS2-BB
		Ø 84mm	HEW4PER2B		✓						✓ HQA-WKB			✓	with HQA-WK, HQA-BB2G or HBS2-BB	with HQA-BB2G or HBS2-BB
		Ø 98mm Ø 110mm	HC30WF5R1	✓	✓		✓							✓	with HQA-BB1 or HQA-BB4	with HQA-BB1, HQA-BB2G or HQA-BB4
		Ø 91mm	H2W2PER3, H2W4PER3 H2W2PC1M			✓ HQA-BB3					✓ HQA-WK2			✓	with HQA-WK2/G or HQA-BB3/G	with HQA-BB3/G

*: Not compatible with HC30W45R2

Thermal Cameras

For body temperature detection



HVCT Series

Thermal & Optical Body Temperature Detection

The Honeywell HVCT-D4010I, HVCT-B4010I and HVCT-B4020I Thermal & Optical IR Network Cameras combine the world-class imaging technology and cameras technology with innovative IP networking technology. They help to quickly identify people who have a high body temperature using a non-contact method.

- Uncooled 160x120 image sensor / 6mm lens for thermal image or (384x288 / 15mm)
- Temperature Range 86°F/30°C ~113°F/45°C
- Temperature Accuracy ±0.5°C, ±0.54°F/0.3°C (with blackbody)
- Support video fusion view and pseudo color overlay
- Secondary 4MP visible camera
- True WDR, 120dB
- Up to 164ft / 50m IR Distance (HVCT-B4020I-15)
- 25fps @ 2688 x 1520
- Support abnormal temperature alarm
- Support user-defined point, line and frame temperature measurement rules
- IP66 Protection
- ONVIF
- PoE / DC12V (and 18-30VAC for HVCT-B4020I-15)



PART NUMBER	DESCRIPTION
 HVCT-D4010I-6	Thermal & Optical IR Fixed Ball Network Camera, Thermographic Module: Uncooled 160x120, 6mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C (±0.3°C with Blackbody); Visible Light Module: 1/2.7" CMOS, 8mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 128GB on-board storage, ONVIF, IP66, 12VDC/ PoE
 HVCT-B4010I-6	Thermal & Optical IR Bullet Network Camera, Thermographic Module: Uncooled 160x120, 6mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C (±0.3°C with Blackbody); Visible Light Module: 1/2.7" CMOS, 8mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 128GB on-board storage, ONVIF, IP66, 12VDC/ PoE
 HVCT-B4020I-15	Thermal & Optical IR Bullet Network Camera, Thermographic Module: Uncooled 384x288, 15mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C (±0.3°C with Blackbody); Visible Light Module: 1/2.7" CMOS, 6mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 256GB on-board storage, ONVIF, IP66, PoE/ 9-15VDC / 18-30VAC
 HVCT-ABKD	Blackbody for temperature measurement calibration, radiation source temperature+5°C (9°F)-50°C (122°F) adjustable, temperature resolution 0.1°C, temperature accuracy ±0.1°C, effective emissivity 0.97±0.02, effective radiation Φ70mm, 100-240V AC

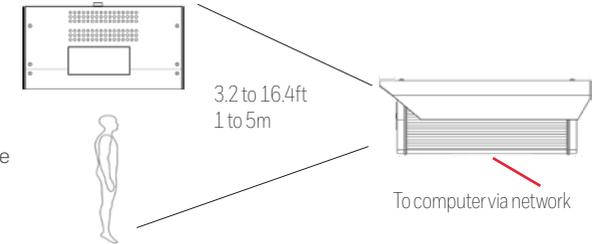
MODUM

High Accuracy Standoff Body Temperature Screening System

The Modum is a highly accurate body temperature screening solution that offers initial temperature measurement for triage. When deployed with the Blackbody device in its field of view (supplied), the Modum Camera is accurate to within 0.54°F making it perfect for abnormal body temperature screening requirements.



The Modum kits are designed to be deployed as standalone systems (or as part of a networked system) allowing a portable and rapid deployment. The Fixed Modum twins a highly accurate thermal camera with a 1080p daylight camera allowing for the quick identification and recording of the source of the trigger. This makes it perfect to integrate alongside a Face Detection or Facial Recognition capabilities.



TEMPERATURE DETECTOR - BASIC CONTENT

Modum body temperature detection camera (384x288, 7.8mm lens or 640x512, 15mm lens), Blackbody, Modum PSU, 16.4ft cable assembly

PART NUMBER	DESCRIPTION
HRCF-FD384H	Temperature Detector 7.8mm with (A), (B)
HRCF-KIT-FD384H	Temp. Detector 7.8mm - kit / tripod with (A), (C), (E), (F), (G)
HRCF-KIT2-FD384H*	Temp. Detector 7.8mm - kit / tripod (no laptop) with (A), (B), (E), (F), (G)
HRCF-KIT-FD384H-T	Temp. Detector 7.8mm - kit / trolley with (A), (C), (E), (F), (H)
HRCF-KIT2-FD384H-T*	Temp. Detector 7.8mm - kit / trolley (no laptop) with (A), (B), (E), (F), (H)
HRCF-FD640H	Temperature Detector 15mm with (A), (B)
HRCF-KIT-FD640H	Temp. Detector 15mm - kit / tripod with (A), (C), (E), (F), (G)
HRCF-KIT2-FD640H*	Temp. Detector 15mm - kit / tripod (no laptop) with (A), (B), (E), (F), (G)
HRCF-KIT-FD640H-T	Temp. Detector 15mm - kit / trolley with (A), (C), (E), (F), (H)
HRCF-KIT2-FD640H-T*	Temp. Detector 15mm - kit / trolley (no laptop) with (A), (B), (E), (F), (H)

ACCESSORIES & OPTIONS

N/A	(A)	Modum camera wall mount
N/A	(B)	Software on a USB flash drive
HRCF-LAPTOP	(C)	Modum laptop (pre-configured)
HRCF-TRIPODM	(D)	Modum camera tripod
HRCF-TRIPODB	(E)	Blackbody tripod
HRCF-WMB	(F)	Blackbody wall mount
HRCF-CC	(G)	Modum carry case
HRCF-TROLLEY	(H)	Modum system trolley

*: Models not available in EMEA

- Heat measurement up to 16.4ft/5m away
- High accuracy (0.54°F/0.3°C)
- High 640x512 and low 384x288 resolution options
- Secondary HD visible camera
- SDK support
- Complete kits available with Blackbody device for rapid deployment
- Paired blackbody for temperature reference
- Can be used as part of NDAA Section 889 compliant systems (applicable for all products manufactured from Oct 2020)



Blackbody

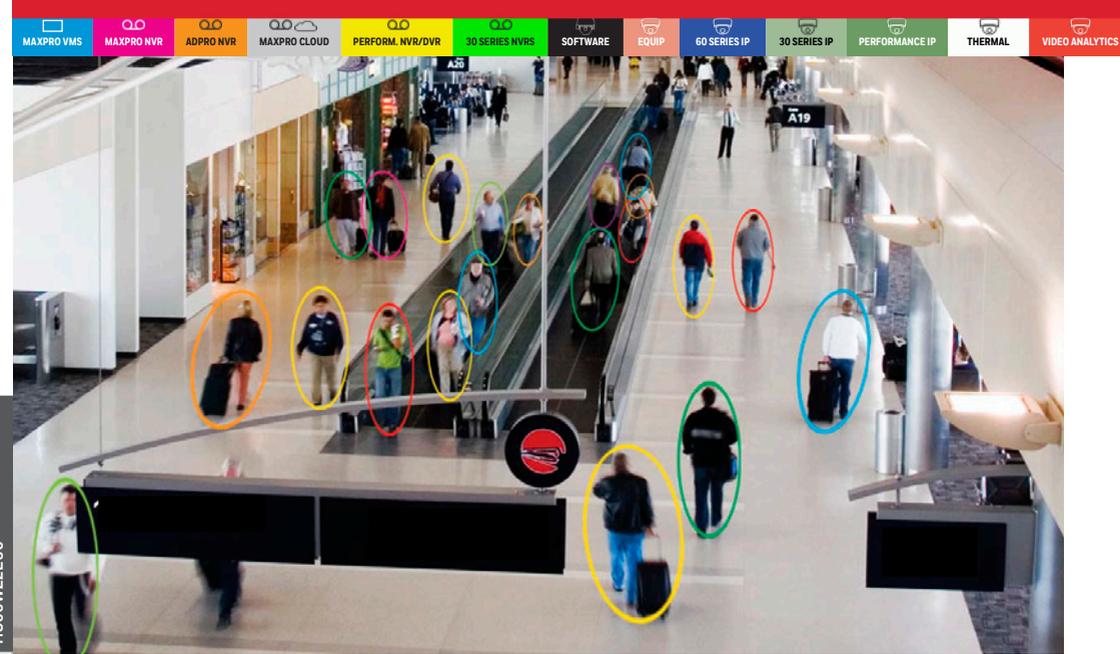
LEARN MORE >

Video Analytics

Today's security market demands highly sophisticated technologies, and Honeywell's innovative analytics solutions deliver the required functionality to solve customer problems. Honeywell's analytic capabilities increase security, reduce shrinkage, enhance customer service and increase operational efficiencies. Honeywell Video Analytics automatically detects, analyses, tracks and classifies the behaviours of people and vehicles as they move through a scene.

Video Analytics Enterprise Cameras compatibility

	H2W2GR1	H3WxGRx	H3WxGR1V	H4D8GR1, HB8GR1, HCD8G	H4L6GR2	H4L2GR1V	H4WxGRx / H4L2GR1	H4WxGR1V	HBL6GR2	HBL2GR1V	HBWxGRx	HBWxGRxV	HCL2G / HCWxG	HCL2GV	HCW2GV	HEPB302W01Ax4	HDZ302Dxx	HDZ302Llx	HEP7302W0	HFDxGR1	HM4L8GR1, HMBL8GR1	HC60W3xR2, HC60W35R4	HC60W4xR2, HC60W45R4	HC60WBxR2, HC60WB5R5	HC60W4RZL (4)	HC60WZE30
Audio detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓					
Auto-tracking																	✓	✓	✓							
Face detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Heat Map						✓				✓				✓												
Intrusion Detection	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		
Line Crossing/Detection	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		
Loiter Detection				✓		✓	✓		✓	✓			✓									✓	✓	✓		
Motion detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Object Abandoned	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		
Object Missing	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		
People counting				✓	✓			✓	✓				✓													
Scene change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
SD Card full/failure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓			
Video tampering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ADPRO IntrusionTrace™ (1)			✓	✓				✓								✓	✓		✓	✓						
ADPRO LoiterTrace™ (1)			✓	✓				✓									✓		✓	✓						
ADPRO VehicleTrace™ (1)(2)								✓																		



Cameras can be configured to detect sounds that are above a selected threshold (3).
PTZ cameras can be configured to detect people or vehicles in the image and can follow the movement of the detected object automatically.
Detects a human face moving towards it, triggering a response. The camera can only detect a face looking directly into the camera, not side views.
It represents people motion traffic density in a specific area within a time period, using colors to display different densities of frequent traffic flow.
Detects when intrusion occurs in a pre-defined area (3).
or Tripwire or Trigger Line Detection. Detection of people, vehicles and objects crossing a predefined line in the image (3).
Detection of people loitering with in an area for a predefined period of time (3).
Cameras can be configured to detect motion in the image (3).
or Unattended Object. Cameras can be configured to detect any object abandoned in a predefined area beyond a set period of time (3).
or Missing Object. Cameras can be configured to detect an object missing from a predefined area (3).
Cameras can be configured to count people entering and leaving thru a predefined line (3).
Cameras can be configured to trigger an alarm when there is a change in the scene caused by movement of the camera (3).
The installed microSD card is full / not working (3).
or Camera Tampering Detection. Cameras can detect when the lens is covered (3).
Provides high performance intrusion detection using video analytics specifically designed for 24/365 low false alarms operation.
Provides high performance Loiter detection using video analytics specifically designed for 24/365 low false alarms operation.
Detects and captures the image of license/number plate of a vehicle, convert the image into characters, then generate an event for MAXPRO NVR/VMS

✓ Free of Charge built-in Video analytics - Available on the Camera only
✓ Free of Charge built-in Video analytics - Available on the Camera and MAXPRO NVRs
✓ Free of Charge uploadable Video Analytics - Available on the Camera and MAXPRO NVRs
✓ Additional license application required for this uploadable Video Analytics - Available on the Camera and MAXPRO NVRs with Bounding Box / Metadata support

(1) Additional license application required, Firmware must be 30 March 2017 or later
 (2) MAXPRO NVR 6.0 minimum (consult us for availability in regions)
 (3) A set of alarms can be triggered as configured.
 (4) Available in NA only.

GDPR

EU GENERAL DATA PROTECTION REGULATION

The EU General Data Protection Regulation (GDPR) comes into force on May 25, 2018. The GDPR is designed to harmonize data privacy laws across Europe and to protect and empower individuals in the EU with respect to the processing of personal data relating to them. There is no question that the GDPR is the most important change in data privacy regulation in the EU in more than 20 years – for Honeywell and our customers. Like all other organizations doing business in the EU, we are working hard to prepare for the GDPR. The security and privacy of our customers' information is, and always will be, among our highest priorities. We are committed to complying with the GDPR and to helping our customers do the same.

Below are some of the ways in which Honeywell is working to comply with the GDPR:

• How will Honeywell comply with the GDPR?

As a global organization, Honeywell works to comply with data privacy laws in the countries in which we operate. Honeywell has an in-house data privacy team that monitors developments in data privacy regulation globally, including the GDPR. In recognition of the significant change that the GDPR represents, we have established a global cross-functional team and corresponding program to help us prepare. This program, which encompasses Honeywell's products and services, as well as our internal processes and procedures, is led by Honeywell leaders from a variety of key functions impacted by this regulation. At the same time, we are developing training for employees across our Company to ensure that they are aware of the key changes that the GDPR will bring and how to comply with them.

• How does Honeywell secure customer data?

Honeywell has always been committed to securing our customers' data. Accordingly, the requirement in Article 32 GDPR to take steps to ensure the security of the data we process is not new, and we are continuously evolving to keep pace with changing technologies and cyber security threats. Honeywell keeps our customers' data secure by enforcing policies and procedures outlined in regulatory requirements and by implementing industry best practices and critical control frameworks, including NIST SP 800-171 and ISO 27001. Obligations include topics such as access management, asset and change management, data protection, vulnerability management, incident response, responsible disclosure, and business continuity and physical security. Applications and products are developed and implemented in accordance with these control obligations and Honeywell's secure software development lifecycle.

Honeywell employs a defense-in-depth strategy, including several levels and types of protection and monitoring technologies to protect the confidentiality and integrity of customer data. Honeywell IT and security controls undergo regular testing from internal and external assessments and audits. Honeywell maintains the Cyber Essentials Scheme certification.

• How will Honeywell comply with the security notification requirements of the GDPR?

At Honeywell, we pride ourselves on our security standards and excellent track record in data security. At the same time, in today's increasingly complex digital world, we recognize that robust incident-response capabilities are of equal importance to our customers. We have reinforced our existing incident response procedures to align with the requirements of Article 33 of the GDPR, including timely security notifications and assistance.

• How does Honeywell comply with the GDPR's restrictions on international data transfers?

As a global Company, we operate in 1,250 sites in 70 countries. Our global scope is a key competitive advantage. Therefore, our data management practices reflect our strategic goals. Many of our customers ask what steps we take to transfer personal data outside the EU. Aligned with many other organizations, we rely on the EU Model Clauses for this purpose (available at: https://ec.europa.eu/info/strategy/justice-and-fundamental-rights/data-protection/data-transfers-outside-eu/model-contracts-transfer-personal-data-third-countries_en). The EU Model Clauses are a legal instrument designed by the European Commission to ensure that personal data is treated in compliance with European data privacy laws – even after it has left the EU. Honeywell enters into the EU Model Clauses with its group companies, suppliers, and other third parties outside the EU to ensure the legality of its international data transfers.

Some of our customers are concerned that the GDPR prohibits transfers of personal data outside the EU. This is incorrect. In fact, the preamble to the GDPR expressly recognizes that "Flows of personal data to and from countries outside the Union are necessary for the expansion of international trade and international cooperation." Chapter V GDPR confirms the continued validity of the EU Model Clauses, while introducing several new and innovative mechanisms that organizations can use to facilitate international data transfers. We intend to continue using the EU Model Clauses as its preferred means of transferring personal data outside the EU.

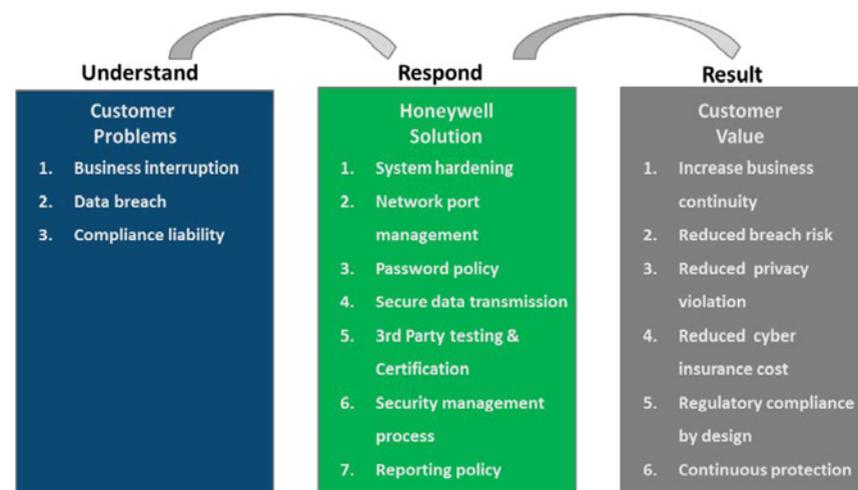
Cybersecurity

Modern IP technology can enable effective and manageable video surveillance to protect people, their information, their properties, and help ensure continuous operation. It can also create the potential for enhanced safety and security benefits for our society to prevent costly security incidents. However, the cyber security of IP technology has been challenged by the pace of technology transition and development, creating potential safety and economic risks.

Cyber-attacks at the local and global scale are on the rise, and according to a 2016 report published by Grant Thornton, the total estimated global financial loss associated with cyber security attacks is estimated to be U.S. \$315 billion each year. One example of a major cyber-attack occurred in the U.S. in October of 2016. Internet access was denied to many major websites, including Twitter, The Guardian, and CNN. This attack, which was the largest of its kind at that time, was conducted by a botnet virus called "Mirai" from infected Internet Protocol (IP) video devices on the internet.

Honeywell takes cyber security seriously and created a white paper to provide an overview of Honeywell's approach to cyber security, including its latest IP video surveillance products and systems designed to intelligently prevent dangerous attacks.

Please contact your Honeywell Security Sales representative to get the **Honeywell Cybersecurity White Paper**.



Download our Free Mobile Apps



HVMV Viewer on iPad

Honeywell Commercial Security

715 Peachtree St. NE
Atlanta, GA 30308
1.800.323.4576

México:

Av. Santa Fe 94 Piso1 TorreA
Col Zedec C.P. 01210
CDMX, México

Colombia:

Cra. 11a ##98-50, Bogotá, Colombia
www.security.honeywell.com

United Kingdom

Newhouse Industrial Estate
Motherwell
Lanarkshire
ML1 5SB
United Kingdom
Tel: +44 (0) 1928 378005
www.security.honeywell.com/uk

Middle East

Post Office Box 18530
LOB Building 08, Office 199
Jebel Ali
Dubai
United Arab Emirates
Tel: +971 4 450 5800
www.security.honeywell.com/me

Italy

Via Achille Grandi 22
20097 San Donato Milanese
Milano
Italia
Tel: +39 02 518971
www.security.honeywell.com/it



HVMV VIEWER



MAXPRO® NVR



MAXPRO® Cloud 2.0



HonView Touch



For all video sales tools, visit this page:
<https://www.honeywellvideosystems.com/tools/>

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

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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell