

VIDEO SURVEILLANCE GUIDE 2020^{/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.

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SOLUTIONS FOR ENTERPRISES

SOLUTIONS FOR SMB



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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.

MAXPRO® VMS

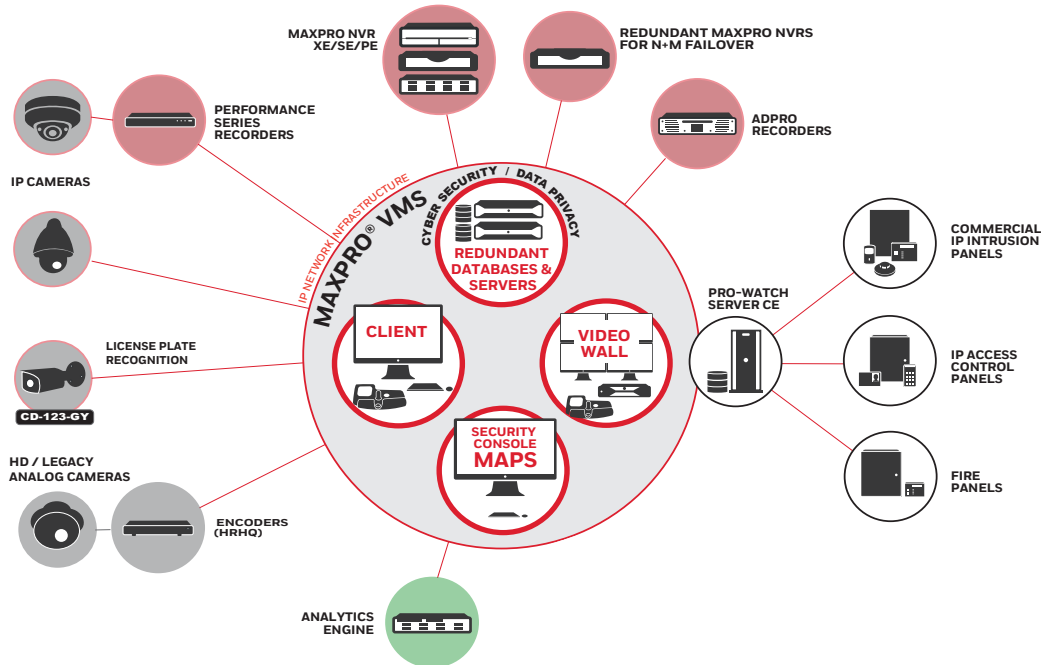
Video Management System

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.

Smarter Video, Smarter Decisions with Video Analytics

MAXPRO VMS offers the option of adding our intelligent video analytics suite, Active Alert. The analytics engine uses advanced search tools for manned and unmanned video surveillance systems that removes the strain of surveillance and the burden of data overload from operators.

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.

Security console with maps

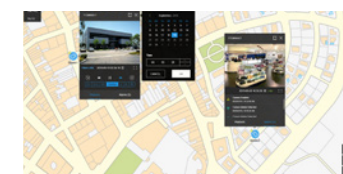
Web-based maps with drag-and-drop camera setup, easy cross-site navigation and HTML5 live video pop-up and instant playback, allow quick situational response..

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

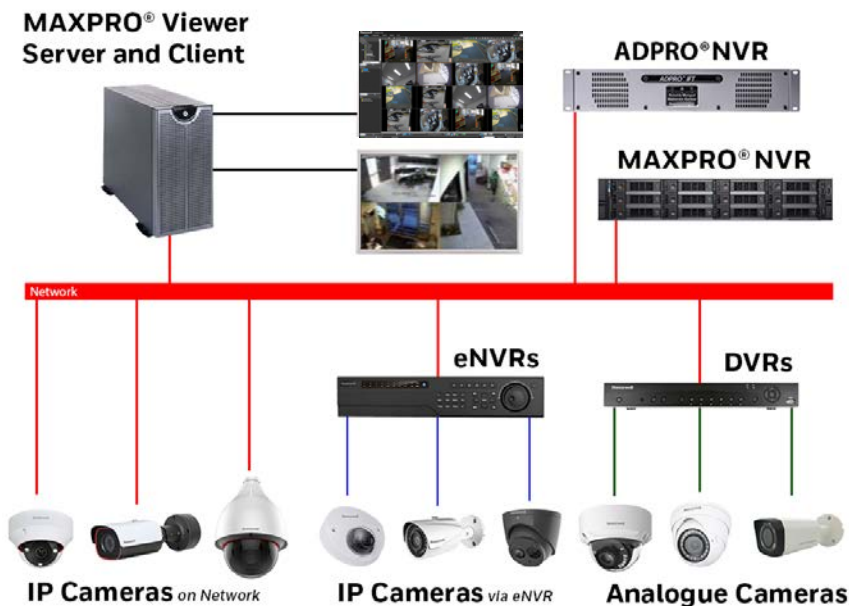
- Provides the processor and storage enclosure in one chassis, resulting in both space and cost savings
- Rack mountable with up to 12 removable drives

VERSION	DESCRIPTION	IP CHANNELS (STREAMS)	COMPRESSION	STORAGE	PERFORM	POWER SUPPLY
MAXPRO NVR PE (Rev C)	32/48/64/128-Channel 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-Channel 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-Channel 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 4 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 4 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 4 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® eFT

Remotely Programmable NVR+ (EMEA region only)

The ADPRO eFT is an IP video multi-service platform that runs the powerful XO 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 iFT-E

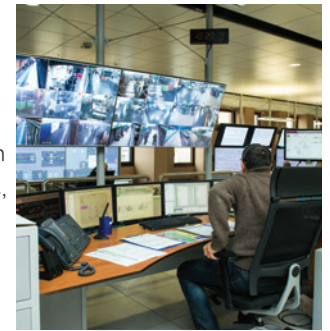
Remotely Programmable NVR+

The ADPRO iFT-E is the "32:32 vision" IP video multi-service platform that runs the powerful XO 4 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 XO4

Security+ Operating System

ADPRO XO 4 is a 4th generation Security+ Operating System designed for ADPRO NVR+ systems, including the iFT Gateway, eFT ⁽¹⁾, iFT, & iFT-E. XO 4 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		FT Gateway	eFT ⁽¹⁾	iFT	iFT-E
IP Camera Channels	4	✓		—	—
	8	—	✓	✓	
	10	—	—	✓	✓
	12	—	—	✓	✓
	16	—	✓	✓	✓
	20	—	—	✓	✓
	32	—	—	✓ (no VCA)	✓
Analogue Cameras over IP		Up to 4	Up to 16	Up to 32 ⁽²⁾	Up to 32 ⁽²⁾
IP Channels Configuration		4 IP with option to add 4 Analytics	Up to 16 IP with up to 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	✓	✓	✓	✓
Max Storage Capacity		32 GB SD Card (Minimum Required)	40 TB (4 HDD)	30 TB (3 HDD)	40 TB (4 HDD)
I/O on the Box		20 In / 8 Out ⁽³⁾	up to 16 In / 4 Out	8 In / 4 Out ⁽⁴⁾	8 In / 4 Out ⁽⁴⁾
Network I/O ⁽⁵⁾		128 In / 128 Out	128 In / 128 Out	128 In / 128 Out	128 In / 128 Out

(1) Not available in all regions, please consult us
 (2) Up to 32 high-definition analogue cameras over IP via Honeywell Performance Series HQA DVRs
 (3) Via XO I/O Interface USB module
 (4) An additional 20 In and 8 out if you are using an XO I/O USB interface module
 (5) 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.

MAXPRO® Cloud 2.0

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.



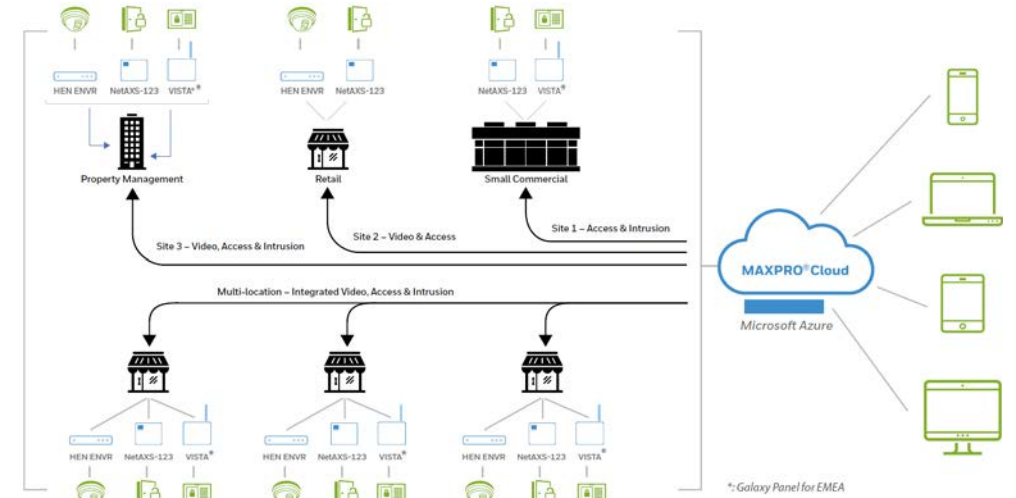
MAXPRO® Cloud: Key Benefits

- 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



- NetAXIS 123 panels

Intrusion Panel



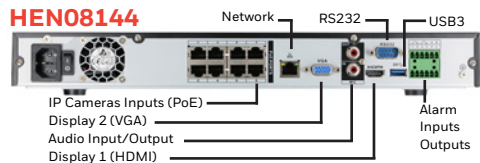
- Galaxy panels series (EMEA)
- Vista panels series (NA)

MAXPRO CLOUD SERVICES - MONTHLY FEES	UP TO 1080P	>1080P UP TO 5MP
For Configuration & Maintenance (per DVR or NVR unit)	MPC-C000	
For any DVR or NVR unit management without Cloud storage	MPC-V000	
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 Intrusion panel	MPC-I000	
For Access Control (by Door)	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.

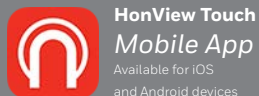


	PART NUMBER	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	PORTS / MAX TB	PoE	SATA/eSATA	STORAGE									
	4 CHANNEL	HEN04103	120 fps (1080p) 200 Mbps	(4k) 1 HDMI 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232, Up to 16TB	4	2/0	no HDD									
		HEN04113								1 TB									
		HEN04123								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								
		HEN08143									4 TB								
		HEN16103									6MP/5MP/ 4MP/3MP/ 1080p/720p @ 25/30fps	480 fps (1080p) 200 Mbps	no HDD						
	16 CHANNEL	HEN16123	2 TB																
		HEN16143	4 TB																
		HEN16163	6 TB																
		8 CHANNEL	HEN08104	12MP / 8 MP (4k) @ 1-15fps	240 fps	(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							
HEN08144	4 TB																		
HEN081124*	12 TB																		
HEN16104	no HDD																		
HEN16144	4 TB																		
HEN16184	8 TB																		
16 CHANNEL	HEN16204		480 fps									(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 1 x USB2.0, 1 x RS232	4/1	no HDD	8 TB	4/1	no HDD
	HEN16284																		8 TB
	HEN16244																		24 TB
	HEN16304																		no HDD
	HEN16384																		8 TB
	32 CHANNEL																		HEN32104
HEN321124			12 TB																
HEN32304			no HDD																
HEN32384			8 TB																
HEN323164			16 TB																
HEN32204			no HDD																
HEN32284			8 TB																
HEN322164		16 TB																	
64 CHANNEL		HEN64204*	1920 fps	(4k) 2 HDMI, 2 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232 Up to 32TB	4/1	no HDD	8 TB	4/1	no HDD								
		HEN64304									16 TB								
		HEN643164									32 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
HEN4EC8*	Storage Expansion Chassis, 8 SATA for HENxx2xx4 and HENxx3xx4 NVRs

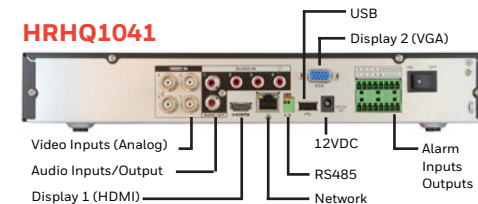


Performance HQA Hybrid DVRs

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								
	HRHT4040	HQA/CVBS/IP Hybrid DVR, PAL/NTSC	4 MP* @ 1-15fps, 1080p/720p/ 960H@25/30fps	120 fps (720p) 60 fps (1080p)	1 HDMI, 1 VGA	-	1/1	1	No HDD								
	HRHT4041								1 TB								
	HRHT4042								2 TB								
	HRHQ1040								4 MBps	No HDD							
	HRHQ1040	HQA/TVI/AHD/SD/IP Hybrid DVR, PAL/NTSC	1080p @ 1-15fps, 720p/960H... @ 25/30fps	24 MBps	1 HDMI, 1 VGA	4/3	4/1	2	1 TB								
	HRHT4080								4 MP* @ 1-15fps, 1080p/720p/ 960H@25/30fps	240 fps (720p) 120 fps (1080p)	1 HDMI, 1 VGA	-	1/1	No HDD			
	HRHT4082								2 TB								
	HRHT4084								4 TB								
	HRHQ1080								4 MBps					No HDD			
	HRHQ1081								1 TB								
HRHQ1082	2 TB																
	HRHT4160	HQA/CVBS/IP Hybrid DVR, PAL/NTSC	4 MP* @ 1-15fps, 1080p/720p/ 960H...@ 25/30fps	480 fps (720p) 240 fps (1080p)	1 HDMI, 1 VGA	-	1/1	2	No HDD								
	HRHT4162								2 TB								
	HRHT4164								4 TB								
	HRHT4166								6 TB								
	HRHT41612								12 TB								
	16 CH								HRHQ1160	HQA/TVI/AHD/SD/IP Hybrid DVR, PAL/NTSC	1080p@ 1-15fps, 720p/ 960H... @ 25/30fps	96 MBps	1 HDMI, 1 VGA	16/3	4/1	2	No HDD
									HRHQ1162								2 TB
									HRHQ1164								4 TB

*: 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																		
HRHQ104X & 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

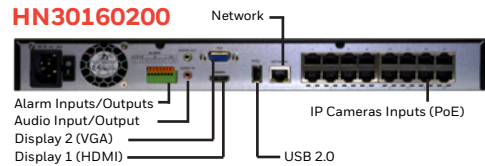


Additional IP channels cannot be used with MAXPRO® Cloud and no IP channel can be used if face detection is on

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.



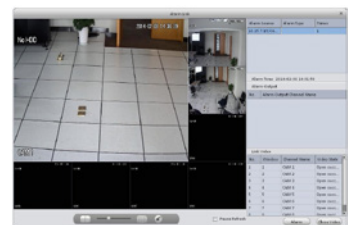
	PART NUMBER	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	PORTS	PoE	SATA	STORAGE
8 CHANNEL	HN30080200	4K (8MP)	30 fps (4K) 64 Mbps	1 HDMI (4k)	4/1	1/1	Front: 1 x USB3.0,	8	2	no HDD
	HN30080202									2 TB
	HN30080204									4 TB
	HN30080208									8 TB
16 CHANNEL	HN30080216	4K (8MP)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

Central Management Software for Embedded NVRs/DVRs

HDCS/HVMV are central management software designed for the Embedded recordersto 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 verses 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		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

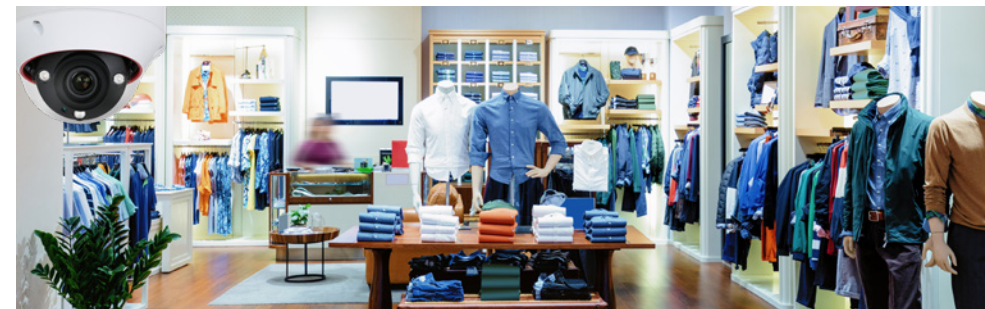
IR Rugged Dome IP Cameras

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	4.1-12.8mm
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
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 (1)	120dB (1)	Digital WDR
Power Input	12VDC / 24VAC / PoE		
Consumption (Max)	9.5W	10W	8W
PoE	(802.3af) Class 0		
Long distance PoE	300m (2)		100m
Temperature	-30°C +60°C		
Video Analytics	See analytics compatibility table		
Onvif Profiles	S, G, Q		S, G
Audio	Built-in microphone		
Other	UL CAP Certified		

(1) With Smart Scene Adaptive Technology, (2): 300m support using 3X POE switch

Box Camera Lenses

PART NUMBER	DESCRIPTION
 HLM27V12MPD (**)	4 MP, 1/2.7", F1.6, 2.7 - 12 mm CS Lens
 HLM37V16MPD	12 MP, 1/1.7", F1.5, 3.7 - 16 mm CS Lens

(**) Not compatible with 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 (1)	120dB (1)			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 (2)					100m	
Temperature	-40°C +60°C						
Video Analytics	See analytics compatibility table					LPR Licence included	-
Onvif Profiles	S, G, Q				S, G		
Other	UL CAP Certified						


(1) With Smart Scene Adaptive Technology, (2): 300m support using 3X POE switch

Accessories

Long distance PoE switch

PART NUMBER	DESCRIPTION	POWER	COMPATIBILITY	DISTANCE
 HPOE3X*	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*	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

*: Not available in the US

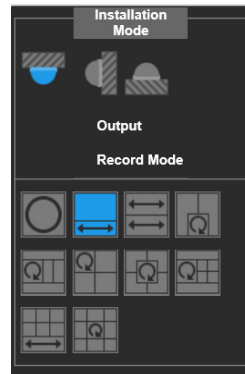
equip Cameras

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	
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



equip Cameras

Hazardous and challenging environments cameras

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



HCPB302 *

*: Not available in the US



	HEPB302W01A04 *	HEPB302W01A10 *	HCPB302 *
Resolution	2MP		2MP
Sensor	1/2.8"		1/2.8"
Best Compression	H.265		H.265
Lens	4.5-135mm MFZ		4.5-135mm MFZ
Angle of View (Horiz)	62.35°-2.53°		62.35°-2.53°
Minimum Aperture	F1.6-F4.4		F1.6-F4.4
Minimum Illumination	0.005 lux in colour, 0.0005 lux in B&W		0.005 lux in colour, 0.0005 lux in B&W
WDR	True WDR 120dB		True WDR 120dB
Power Input	12VDC / 24VDC / 24VAC		24 VAC
Consumption (Max)	42W		42W
Armoured Cable	4m	10m	N/A
ATEX-certified	EN 60079-0; EN 60079-1; EN 60079-31		N/A
IECEX-certified	IEC 60079-0; IEC 60079-1; IEC 60079-31		N/A
Temperature	-60°C +65°C		-40°C +60°C
Video Analytics	See analytics compatibility table		See analytics table
Onvif Profiles	S		S
Housing	AISI 316L stainless steel		AISI 316L stainless steel
Other	Wiper, Electronic Image stabilization (EIS)		EIS



HEPB302W01Axx

Not available in the US, available in Canada

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	•	
HCPWK	AISI 316L Stainless Steel Wiper Kit, 24 VAC		•
HCPWSK	Washer System Kit, 24 VAC		•

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
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
Consumption (Max)	120W
ATEX-certified	EN60079-0; EN60079-1; EN60079-31
IECEX-certified	IEC 60079-0; IEC 60079-1; IEC 60079-31
Temperature	-40°C +60°C
Video Analytics	See analytics compatibility table
Onvif Profiles	S, Q
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	4 m Cable Tail with Conduit Cable Gland 3/4", UL
HEPZT10	10 m Cable Tail with Conduit Cable Gland 3/4", UL

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

equiP PTZ Cameras

HDZ IP PTZ Cameras



HDZ302DIN-S1 / HDZ302DIN-C1



HDZ302D



HDZ302DE



	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	

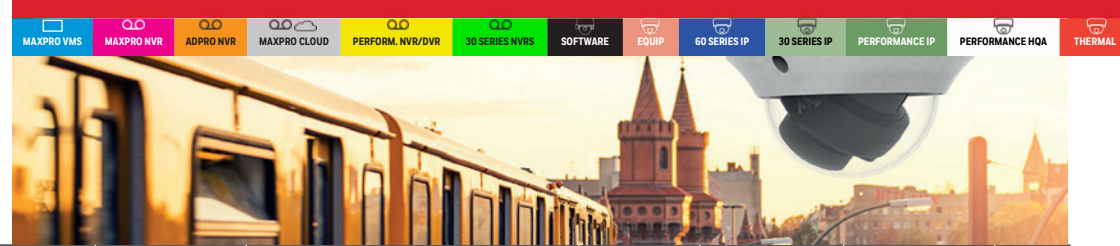


HDZ302LIW



	HDZ302DIN-S1	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	
Video Analytics	See analytics compatibility table			
Onvif Profiles	S, G			
Environmental	IK10 (dome only)		IP66 / IK10	
Bubble type	Smoked	Clear		
Other	UL CAP Certified			

equiP / HDZ Cameras Mounts



CAMERA TYPE	CAMERA MODEL/ PART #NUMBER	# HOLES	Ø	WALL MOUNTS							IN CEILING MOUNTS		PENDANT MOUNT BRACKETS				JUNCTION BOX		POLE MOUNTS		CORNER MOUNTS		ADAPTER				
				HA60WLM4	HA60WLM3	HFG-WK	HDZWM1	HDZWM2	HDZGM	HBC5WT-2	HDZINPL	HD3IP-5K1**	HFG-PK	H4G-PK	HEPM*	HD4CHIP-PK2	HDZCM1 HDZCM2 HDZCM3	HDZJB	HBG-BB	HB4G-PM	HDZPMA	HB34G-CM	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	-	-				✓	✓															with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	✓	
	HMBL8GR1		Ø145mm (84x119mm)																✓				with HDZJB		with HDZJB		
OUTDOOR PTZ CAMERAS	HDZ302LIW, HDZ302LIK, HDZ302DE	-	-				✓	✓															with HDZNPTA	with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	with HDZWM1 HDZWM2	✓
	HDZ302D	-	-				✓	✓	✓														with HDZNPTA	with HDZWM1 HDZWM2 HDZGM	with HDZWM1 HDZWM2 HDZGM	with HDZWM1 HDZWM2 HDZGM	✓
INDOOR PTZ CAMERAS	HDZ302DIN-C1 HDZ302DIN-S1	-	-																								✓



*: Not available in the US **: Only available in the US

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 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
- 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
- 2 Alarm + 1 Audio inputs / 1 or 2 Alarm + 1 audio outputs

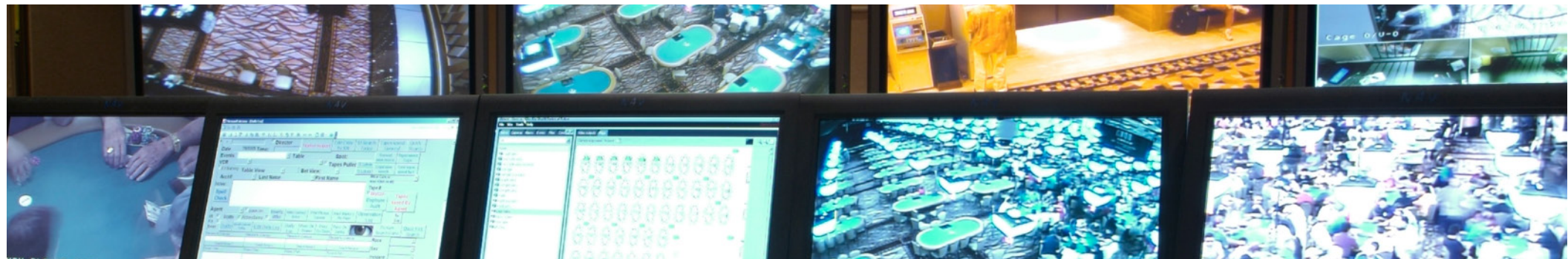
	PART NUMBER	DESCRIPTION	ONVIF	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HORIZONTAL ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE	BEST COMPRESSION	FRAMERATE (MAX)	ENVIRON. RATINGS	POWER REQUIREMENTS	WORKING ENVIRONMENT
IR INDOOR DOME CAMERAS															
MFZ 5MP	 HC60W35R2	5MP WDR TDN MFZ IR Indoor Dome camera with built-in microphone	S, G	1/2.8"	2.7-13.50mm, MFZ, F1.4-2.8	5MP	0.04 lux (colour)/0 lux (B/W) with IR LEDs on	100°-30°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	30m (98ft)	H.265 Smart Codec	Main Stream: - 5MP (1-25/30fps) - 4MP (1-25/30fps) - 2MP (1-50/60fps) Sub Stream: - 5MP (1-25/30fps) Third Stream: - 1280x960 (1-25/30fps) - 1280x720 (1-50/60fps)	IP52 IK10 (bubble only)	PoE (802.3af) Class 0 12 VDC / 24VAC 12.95W max. (IR LEDs on)	-10°C to 60°C; (-22°F to 140°F) 0% to 90% RH, non-condensing
	HC60W35R4				7-22mm, MFZ, F1.6-2.9			39°-16°							
IR OUTDOOR DOME CAMERAS															
MFZ 5MP	 HC60W45R2	5MP WDR TDN MFZ IR Rugged Dome camera	S, G	1/2.8"	2.7-13.5mm, MFZ, F1.4-2.8	5MP	0.04 lux (colour)/0 lux (B/W) with IR LEDs on	100°-30°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	50m (165ft)	H.265 Smart Codec	Main Stream: - 5MP (1-25/30fps) - 4MP (1-25/30fps) - 2MP (1-50/60fps) Sub Stream: - 5MP (1-25/30fps) Third Stream: - 1280x960 (1-25/30fps) - 1280x720 (1-50/60fps)	IP67 NEMA 4X IK10 (bubble only)	PoE (802.3at) Class 4 12 VDC / 24VAC 25.5W max. (IR LEDs on)	-40°C to 60°C; (-40°F to 140°F) 0% to 90% RH, non-condensing
	HC60W45R4				7-22mm MFZ, F1.6-2.9			39°-16°							
IR BULLET CAMERAS															
MFZ 5MP	 HC60W85R2	5MP WDR TDN MFZ IR Bullet camera	S, G	1/2.8"	2.7-13.5mm, MFZ, F1.4-2.8	5MP	0.04 lux (colour)/0 lux (B/W) with IR LEDs on	100°-30°	Slot for Micro SD, Micro SDHC, Micro SDXC up to 256GB	60m (197ft)	H.265 Smart Codec	Main Stream: - 5MP (1-25/30fps) - 4MP (1-25/30fps) - 2MP (1-50/60fps) Sub Stream: - 5MP (1-25/30fps) Third Stream: - 1280x960 (1-25/30fps) - 1280x720 (1-50/60fps)	IP67 NEMA 4X IK10	PoE (802.3af) Class 4 12 VDC / 24VAC 25.5W max. (IR LEDs on)	-40°C to 60°C; (-40°F to 140°F) 0% to 90% RH, non-condensing
	HC60W85R5				5-50mm MFZ, F1.9-2.1		0.06 lux (colour)/0 lux (B/W) with IR LEDs on	45°-7°							
PTZ CAMERA															
MFZ 2MP	 HC60WZ2E30	2MP WDR TDN PTZ camera	S, G	1/2.8"	30x, 4.3-129mm MFZ, F1.6-4.7 Electronic Image Stabilization	2MP	0.1 lux (colour)/0.005 lux (B/W) @ F1.6	64°-2°	Micro SD, Micro SDHC, Micro SDXC up to 256GB	N/A	H.265 Smart Codec	Main Stream: 1920x1920 (~50/60fps) Sub Stream: 1280x720 (~50/60fps) Third Stream: 640x360 (~50/60fps)	IP68 NEMA 4X IK10	UPoE (802.3bt), 24 VDC, 24 VAC, 48W max.	-40°C to 60°C; (-40°F to 140°F) 0% to 90% RH, non-condensing

60 SERIES ACCESSORIES COMPATIBILITY TABLE



	# HOLES	PART NUMBER	REPLACEMENT DOME	JUNCTION BOX	CORNER MOUNT	WALL MOUNT	FLUSH MOUNT / IN-CEILING BRACKET	PENDANT MOUNT	POLE MOUNT	FRONT PLATE	WIFI DONGLE	POE ADAPTOR
	 Ø 95mm (41.5x83mm)	HC60W35R2 HC60W35R4	✓			✓	✓				✓	
	 Ø140mm	HC60W45R2 HC60W45R4	✓			✓		✓			✓	
	 Ø 89mm (63x63mm)	HC60WB5R2 HC60WB5R5		✓						✓	✓	
	NPT 1.5	HC60WZ2E30			✓		✓	✓ supplied	✓		✓	✓

*: Used for Camera configuration 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
720P = 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	HC30W42R3	2MP WDR TDN IR Dome camera	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)
	HC30W45R3	5MP WDR TDN IR Dome camera		1/2.7"		5MP	0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	103° @5MP 108° @4MP							
MFZ 5MP	HC30W45R2	5MP WDR TDN MFZ IR Dome camera		1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	5MP	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 1.3W max. (IR LEDs on)		0% to 90% RH, non-condensing	
IR BULLET CAMERAS															
Fixed lens 2MP	HC30WB2R1	2MP WDR TDN IR Bullet camera	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)
	HC30WB5R1	5MP WDR TDN IR Bullet camera		1/2.7"		5MP	0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	78° @5MP 82° @4MP							
MFZ 5MP	HC30WB5R2	5MP WDR TDN MFZ IR Bullet camera		1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	5MP	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 1.3W max. (IR LEDs on)		0% to 90% RH, non-condensing	
IR BALL CAMERAS															
Fixed lens 2MP	HC30WE2R3	2MP WDR TDN IR Ball camera	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)
	HC30WE5R3	5MP WDR TDN IR Ball camera		1/2.7"		5MP	0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	103° @5MP 108° @4MP							
MFZ 5MP	HC30WE5R2	5MP WDR TDN MFZ IR Ball camera		1/2.7"	2.8-12mm MFZ, F1.4-2.8mm	5MP	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 1.3W max. (IR LEDs on)		0% to 90% RH, non-condensing	
IR FISHEYE CAMERA															
Fixed lens 5MP	HC30WF5R1	5MP WDR TDN IR Fisheye camera built-in Microphone	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
	3	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
	3	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
	3	Ø 70mm	HC30WB2R1 HC30WB5R1											
			HC30WB5R2											
	4	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
	3	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
	3	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

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	 HEW2PER3	2MP DWDR TDN IR Ball camera	S, Q	1/3"	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	
		 HEW2PER3	2MP WDR TDN IR Ball camera white	S, G, Q	1/2.8"	2.8mm fixed, F1.6	2MP	0.06 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	110°	MicroSDHC, up to 128GB	30			Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 720P (1-25/30fps)	PoE (802.3af), 12 V DC 5.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
		 HEW4PER3	4MP WDR TDN IR Ball camera	S, Q	1/3"	2.8mm fixed, F2.0	4MP	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
4MP	 HEW4PER3B	4MP WDR TDN IR Ball camera grey	S, G, Q	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	50	H.265 H.264	Main Stream: 4MP (1-25/30fps) Sub Stream: D1 (1-25/30fps) Third Stream: 720P (1-25/30fps)	PoE (802.3af), 12 V DC 4.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing		
	MFZ	2MP	 HEW2PER2	2MP WDR TDN IR Ball camera white	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°	50	Main Stream: 2MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)		PoE (802.3af), 12 V DC 9.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
4MP			 HEW4PER2	4MP WDR TDN IR Ball camera white	S, G, Q	1/3"		4MP	0.3 lux, F1.4 (colour); 0 lux (with IR LEDs on)	108° - 28°	50	Main Stream: 4MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)	PoE (802.3af), 12 V DC 4.5 W max. (IR LEDs on)			
			 HEW4PER2B	4MP WDR TDN IR Ball camera grey	S, G, Q			4MP	0.3 lux, F1.4 (colour); 0 lux (with IR LEDs on)	108° - 28°	50	Main Stream: 4MP (1-25/30fps) Sub Stream: D1 (1-25/30fps)	PoE (802.3af), 12 V DC 4.5 W max. (IR LEDs on)			

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		H2W2PER3	2 MP WDR TDN IR Micro-Dome Camera with built-in microphone	S, G, Q	1/2.8"	2.8mm fixed, F2.0	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.		
Fixed lens		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°	MicroSDHC, up to 128GB	20m 65ft	H.265 H.264	Main Stream: 4MP (1~25/30fps) Sub Stream: D1 (1~25/30fps) Third Stream: 720P (1~25/30fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on)		
		H4W2PER3	2 MP WDR IR Rugged Mini-Dome Camera	S, G, Q	1/2.8"	2.8mm fixed, F2.0	0.07 lux colour F2.0; 0 lux B/W with IR LEDs on @ F2.0	107°		N/A		30m 98ft		Main Stream: 2MP (1~25/30fps) Sub Stream: D1 (1~25/30fps)		PoE (802.3af), 12 V DC 4.6 W max. (IR LEDs on)
Fixed lens		H4W4PER3	4 MP WDR TDN IR Rugged Mini-Dome Camera	S, Q	1/3"	4MP	0.01 lux, F2.0 (colour); 0 lux (with IR LEDs on)	104°	MicroSDHC, up to 128GB	25m 82ft	H.265 H.264	Main Stream: 4MP (1~20fps) Sub Stream: D1 (1~25/30fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 4.7 W max. (IR LEDs on)		
		H4W2PER2	2 MP WDR TDN IR Rugged Mini-Dome Camera	S, G, Q	1/2.8"	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		PoE (802.3af), 12 V DC 9 W max. (IR LEDs on)
Fixed lens		H4W4PER2	4 MP WDR TDN IR Rugged Mini-Dome 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°	MicroSDHC, up to 128GB	45m 148ft	H.265 H.264	Main Stream: 4MP (1~20fps) Sub Stream: D1 (1~25/30fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 8.5 W max. (IR LEDs on)		
		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		HBD2PER1	2 MP DWDR TDN IR Bullet Camera	S, Q	1/2.9"	3.6mm fixed, F2.0	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	83°	MicroSD, up to 128GB	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)	PoE (802.3af), 12 V DC 5.2 W max. (IR LEDs on)	
Fixed lens		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°	MicroSD, up to 128GB	50m 164ft	H.265 H.264	Main Stream: 4MP (1~20fps) Sub Stream: D1 (1~25/30fps);	IP66 rated	PoE (802.3af), 12 V DC 5.7 W max. (IR LEDs on)		
		HBW4PGR1	4 MP WDR TDN IR Bullet Camera	S, G, T	1/3"	4mm fixed, F1.6	0.01 lux colour @ F1.6; 0 lux B/W with IR LEDs on @ F1.6	78°				-		50m 164ft	Main Stream: 4MP (1~25/30fps) Sub Stream: VGA (1~25/30fps) Third Stream: 720P (1~25/30fps)	
Fixed lens		HBW2PER2	2 MP WDR TDN IR Bullet Camera	S, G, Q	1/2.8"	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)		
		HBW4PER2	4 MP WDR TDN IR Bullet Camera	S, G, Q	1/3"	2.7 - 13.5mm, MFZ, F1.4	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)	
Fixed lens		HBW8PR2	8 MP (4K) WDR TDN IR Bullet Camera	S, G, Q	1/2"	8MP	0.09 lux (colour)/0 lux (B/W) @ F1.9 (with IR LEDs on)	113° - 50°	MicroSD, up to 128GB	60m 197ft	H.265 H.264	Main Stream: 4K (1~25/30fps) Sub Stream: D1(1~25/30fps)	IP66 rated	PoE (802.3af), 12 V DC 14.3 W max. (IR LEDs on)		
PTZ CAMERAS																
Fixed lens		HDZP252DI	2MP IR, DWDR Indoor / Outdoor PTZ,	S, G	1/2.8"	4.8-120mm, MFZ, F1.6-F4.4	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	12 VDC / 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	0.05 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	60° - 2.2°				-		24VAC ± 10% / 23W Max PoE+		
Fixed lens		HPW2P1	2 MP WDR IP Pin-hole Camera	S, Q	1/2.7"	2.8mm fixed F2.4	0.082 lux (colour) 0.018 lux (B/W) @ F2.4	108°	MicroSD, up to 128GB	No IR LEDs	H.265 H.264	Main Stream: 2MP (1 ~ 25/30fps) Sub Stream: D1 (1 ~ 25/30fps);	N/A	12 VDC 1.5 W max		

High Quality Analogue Solutions

Supercharge your analogue security system with Honeywell's HD Over Coax technologies for high definition 2, 4 or 8 MP images over your existing coax infrastructure. The Performance Series HQA/TVI/AHD line includes a wide range of high performing IR cameras and DVRs that are easy to install and even easier to use.



Low cost HD video

- Competitive priced vs. IP Video
- Much more detailed than analogue Video and comparable with IP Video

Hassle free installations

- Upgrade with minimal training
- No need to be an IT experts
- Uses existing coax cable

Solutions for any need

- More options to choose from HQA line
- Backwards compatible

Low Maintenance

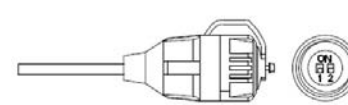
- No License fees and network maintenance required



Market Opportunities

These flexible, fully featured cameras are perfect for a wide range of surveillance applications, providing excellent picture quality at an affordable price.

High Quality/Standard format Setting (not available on all cameras)



	1	2
CVI	OFF	OFF
SD	ON	ON
AHD	ON	OFF
TVI	OFF	ON

Rugged Dome

	PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRON.	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION	
	HD30XD2	2 MP (HQA, TVI, AHD, SD) IR Mini Dome	1/2.9", 3.6mm fixed, F2.0	0.02 lux @ F2.0(colour), 0 lux (B/W with IR LEDs on)	IP66, IK10 vandal resistant,	12 IR LEDs up to 30 m (100')	DWDR	12 VDC, 2.6W Max	1-channel BNC CVI/TVI/AHD/ CVBS video output	
	HD41XD2	2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome	1/2.9", 2.7 – 13.5mm, vari-focal lens, F1.4	0.02 lux @ F1.3(colour), 0 lux (B/W with IR LEDs on)		2 IR LEDs up to 30 m (100')		12 VDC, 3.4W Max		
	HD42XD2	2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome	1/2.1", 2.7 – 13.5mm, MFZ, F1.3	0.02 lux @ F1.3(colour), 0 lux (B/W with IR LEDs on)		2 IR LEDs up to 30 m (100')	WDR (120 dB)	12 VDC, 5.4W Max		
	HD273XD2	2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome	1/2.9", 2.8 – 12mm, VF, F1.4	0.01 lux @ F1.4(colour), 0.014 lux (B/W with IR LEDs on)		24 IR LEDs up to 30 m (100')	DWDR	12 VDC, 24 VAC 5.6W		
	HD72HD4*	4 MP HQA WDR IR Mini Dome	1/3", 2.8mm fixed, F1.5	0.01 lux @ F1.5(colour), 0 lux (B/W with IR LEDs on)		12 IR LEDs up to 30 m (100')	WDR (120 dB)	12 VDC, 4.4W Max		1-channel BNC high definition video output and
	HD274HD4	4 MP HQA WDR IR Mini Dome	1/3", 2.7-12mm MFZ, F1.3	0.01 lux @ F1.3 (colour), 0 lux (B/W with IR LEDs on)		2 IR LEDs up to 30 m (100')		12 VDC, 24 VAC, 10.1W Max		1-channel BNC CVBS video output
	H4D42HD8	8 MP HQA/ CVI, TVI, AHD, SD WDR IR Mini Dome	1/2", 3.7-11mm MFZ, F1.5	0.01 lux @ F1.5 (colour), 0 lux (B/W with IR LEDs on)		2 IR LEDs up to 30 m (100')		12 VDC, 24 VAC, 8.4W Max		1-channel BNC CVI/TVI/AHD/ CVBS video output







PTZ Camera

	PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
	HDZP30XD4	4 MP HQA/ CVI, TVI, AHD, SD WDR 30X Speed Dome Camera	1/2.8", 2.7 – 13.5mm, MFZ lens, F1.3	0.005 lux colour @ F1.3; 0 lux B/W with IR LEDs	IP66 rated	2 High Power IR LEDs, up to 50 m (150')	WDR (120 dB)	24 VAC, 7.2W Max	1-channel BNC CVI/TVI/AHD/ CVBS video output







*: Not available in the US

High Quality Analogue Cameras





Bullet Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION	
 HB30XD2	2 MP (HQA/ CVI, TVI, AHD, SD) IR Bullet Camera	1/2.9", 3.6mm fixed, F2.0	0.02 lux @ F2.0 (colour), 0 lux (B/W with IR LEDs on)	IP66 rated	18 IR LEDs up to 30 m (100')	DWDR	12 VDC, 2.8W Max	1-channel BNC CVI/TVI/AHD/ CVBS video output	
 HB41XD2		1/2.9", 2.7 – 13.5mm, vari-focal lens, F1.4	0.02 lux @ F1.4 (colour), 0 lux (B/W with IR LEDs on)		20 IR LEDs up to 30 m (100')		12 VDC, 2.5W Max		
 HB42XD2	2 MP (HQA/ CVI, TVI, AHD, SD) WDR IR Bullet Camera	1/2.8", 2.7 – 13.5mm, MFZ, F1.3	0.005 lux @ F1.3 (colour), 0 lux (B/W with IR LEDs on)		12 IR LEDs up to 50 m (150')	12 VDC, 10.1W Max			
 HB74HD4	4 MP (HQA/ CVI) WDR IR Bullet Camera	1/3", 3.6mm fixed, F1.5	0.01 lux @ F1.5 (colour), 0 lux (B/W with IR LEDs on)		2 IR LEDs up to 40 m (131')	WDR (120 dB)	12 VDC, 15.4W Max		1-channel BNC high definition video output and 1-channel BNC CVBS video output
 HB276HD4	4 MP (HQA/ CVI) WDR IR Bullet Camera	1/3", 2.7-12mm MFZ, F1.3	0.01 lux @ F1.3 (colour), 0 lux (B/W with IR LEDs on)		4 IR LEDs up to 60 m (200')		12 VDC, 24 VAC, 5.3W Max		
 HBD42HD8	8 MP (HQA/ CVI, TVI, AHD, SD), WDR IR Bullet camera	1/2", 3.7-11mm MFZ, F1.5	0.01 lux @ F1.5 (colour), 0 lux (B/W with IR LEDs on)		up to 50 m (150')		12 VDC, 24 VAC, 15W Max		1-channel BNC CVI/TVI/AHD/ CVBS video output


Ball Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION	
 HE30XD2	2 MP (HQA/ CVI, TVI, AHD, SD) IR Ball Camera	1/2.9", 3.6mm, fixed lens, F2.0	0.02 lux colour @ F2.0; 0 lux B/W with IR LEDs	IP66 rated	1 High Power IR LED, up to 40 m (120')	DWDR	12 VDC, 2.9W Max	1-channel BNC CVI/TVI/ AHD/CVBS video output	
 HE30XD2G	2 MP (HQA/ CVI, TVI, AHD, SD) IR Ball Camera Grey				20 IR LEDs, up to 30 m (100')				12 VDC, 4.2W Max
 HE41XD2*	2 MP (HQA/ CVI, TVI, AHD, SD) IR Ball Camera	1/2.9", 2.7 – 13.5 mm, vari-focal lens, F1.4			2 High Power IR LEDs up to 50 m (150')	WDR (120 dB)	12 VDC, 7.2W Max		
 HE42XD2	2 MP (HQA/ CVI, TVI, AHD, SD) WDR IR Ball	1/2.8", 2.7 – 13.5mm, MFZ lens, F1.3	0.005 lux colour @ F1.3; 0 lux B/W with IR LEDs		1 high-powered LED up to 50 m (164')	WDR (120 dB)	12 VDC, 5.3W Max		1-channel BNC high definition video output and 1-channel BNC CVBS video output
 HE42XD2G									
 HD30HD4	4 MP (HQA/ CVI) WDR IR Ball Camera	1/3", 3.6mm fixed, F1.5	0.01 lux @ F1.5 (colour), 0 lux (B/W with IR LEDs on)						


Box Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
 HC2HD2*	2 MP (HQA/ CVI, SD) WDR Box Camera	1/2.8"	0.005 lux colour @ F1.2, 0.0005 lux B/W @ F1.2	N/A	N/A	WDR (120 dB)	12 VDC / 24 VAC 4.7 W Max	1-channel BNC CVI and 1-channel BNC CVBS video output
 HLM27V12MPD		2.7 - 12 mm F1.6		PART NUMBER		DESCRIPTION		
 HLM5V50MPDE		5.0 - 50 mm F1.6			HBC5WT-2	Mounting bracket		


PIR Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
 HB30PHD2	2 MP (HQA/ CVI), PIR Camera	1/2.7", 2.8mm, lens, F2.0	0.02 lux @ F2.0 (colour), 0 lux (B/W with IR LEDs on)	IP66	up to 20m (60')	DWDR	12 VDC 4.1 W Max	Detection range: 10m / 110°, 1-channel BNC CVI video output


Temperature & Humidity Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
 HB30THD2*	2 MP (HQA/ CVI), Temperature Humidity Camera	1/2.9", 3.6mm, lens, F2.0	0.02 lux @ F2.0 (colour), 0 lux (B/W with IR LEDs on)	IP66	up to 20m (60')	DWDR	12 VDC 3.4 W Max	1-channel BNC CVI video output

Pin-hole Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
 HPXD2*	2 MP (HQA/ CVI, TVI, AHD, SD), WDR Pin-hole Camera	1/2.8", 2.8mm, fixed lens, F2.4	0.05 lux @ F2.4 (colour), 0.005 lux (B/W)	N/A	N/A	WDR (120 dB)	12 VDC 1.2 W Max	1-channel BNC CVI/TVI/AHD/ CVBS video output

Fisheye Camera

PART NUMBER	DESCRIPTION	OPTICAL (SENSOR/ LENS)	MINIMUM ILLUMINATION	ENVIRONMENTAL	SMART IR LEDs	WDR	POWER INFORMATION	ADDITIONAL INFORMATION
 HFD40HD4	4 MP (HQA/ CVI, SD), WDR Fisheye Camera	1/3", 1.18mm, fixed lens	0.01 lux @ F2.0 (colour), 0.001 lux (B/W)	IK10 vandal resistant,	N/A	WDR (120 dB)	12 VDC 2.2 W Max	1-channel CVI and 1-channel CVBS video output

*: Not available in the US

Brackets compatibility table
for Performance and 30 Series Cameras



HQA-BB1 HQA-BB2 HQA-BB2G HQA-BB3 HQA-BB3G HQA-BB4 HQA-BB5 HBS2-BB HEJB HQA-WK HQA-WKB HQA-WK2 HQA-WK2G HQA-IC HQA-RS HQA-PK HQA-CB HQA-CBE HQA-PM2 HQA-PM2B HB34S2-CM HB34S2-CMB



	# HOLES	D	IP	HQA	JUNCTION BOX					WALL MOUNT		IN-CEILING BRACKET	RAIN SHIELD	PENDANT MOUNT CAP	CEILING MOUNT	780 MM EXTEND	POLE MOUNT	CORNER MOUNT
		Ø 110mm	H4W2PER2, H4W4PER2, H4W8PR2	H4D42HD8, HD274HD4, HD41XD2, HD42XD2		✓		✓			✓		✓	✓	with HQA-PK	with HQA-CB	with HQA-WK, HQA-BB2/G or HQA-BB4	with HQA-BB2/G or HQA-BB4
		Ø 98mm	H4W2PER3, H4W4PER3	HD30XD2, HD72HD4*		✓					✓			✓	with HQA-PK	with HQA-CB	with HQA-WK or HQA-BB2/G	with HQA-BB2/G
		Ø 55mm	HBD2PER1, HBW4PER1	HB30PHD2, HB30THD2*, HB30XD2					✓	✓							with HBS2-BB or HEJB	with HBS2-BB or HEJB
		Ø 70mm	HBW2PER2, HBW4PER2, HBW8PR2	HB276HD4, HB41XD2, HB42XD2, HBD42HD8					✓								with HBS2-BB	with HBS2-BB
		Ø 69mm		HB74HD4	✓												with HQA-BB1	with HQA-BB1
		Ø 88.5mm	HBW4PGR1															
		Ø 69mm	HEW2PER3	HD30HD4, HE30XD2	✓									✓	with HQA-PK	with HQA-CB	with HQA-BB1, HQA-WK2 or HQA-BB3	with HQA-BB1 or HQA-BB3
		Ø 69mm	HEW2PER3B	HE30XD2G	✓									✓	with HQA-PK	with HQA-CB	with HQA-BB1, HQA-WK2G or HQA-BB3G	with HQA-BB1 or HQA-BB3G
		Ø 84mm	-	HE41XD2*														
		Ø 68mm	HED2PER3, HEW4PER3		✓									✓	with HQA-PK	with HQA-CB	with HQA-WK2/G or HQA-BB1	with HQA-BB1
		Ø 84mm	-	HE42XD2, HE42XD2G						✓							with HEJB	with HEJB
		Ø 84mm	HEW2PER2, HEW4PER2			✓		✓		✓				✓	with HQA-PK	with HQA-CB	with HQA-WK, HQA-BB2 or HBS2-BB	with HQA-BB2 or HBS2-BB
		Ø 84mm	HEW4PER2B			✓				✓				✓	with HQA-PK	with HQA-CB	with HQA-WK, HQA-BB2G or HBS2-BB	with HQA-BB2G or HBS2-BB
		Ø 98mm	HFD5PR1	HFD40HD4		✓								✓	with HQA-PK	with HQA-CB	with HQA-WK or HQA-BB2/G	with HQA-BB2/G
		Ø 98mm Ø 110mm	HC30WF5R1		✓	✓		✓						✓	with HQA-PK	with HQA-CB	with HQA-BB1, HQA-BB2 or HQA-BB4	with HQA-BB1, HQA-BB2 or HQA-BB4
		Ø 91mm	H2W2PER3, H2W4PER3, H2W2PC1M											✓	with HQA-PK	with HQA-CB	with HQA-WK2/G or HQA-BB3/G	with HQA-BB3/G

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)

[LEARN MORE >](#)

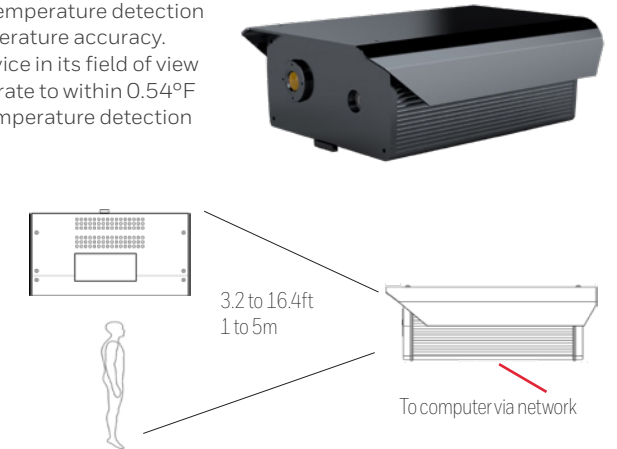
PART NUMBER	DESCRIPTION
 HVCT-D4010I-6	Thermal & Optical IR Fixed Ball Network Camera, Thermographic Module: Uncooled 160x120, 6mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C (±0.3°C with Blackbody); Visible Light Module: 1/2.7" CMOS, 8mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 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 Detection System

The Modum is a highly accurate body temperature detection solution that offers a high level of temperature accuracy. 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 detection 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
HRCF-IP65		Modum camera IP65 upgrade

*: Not available in EMEA

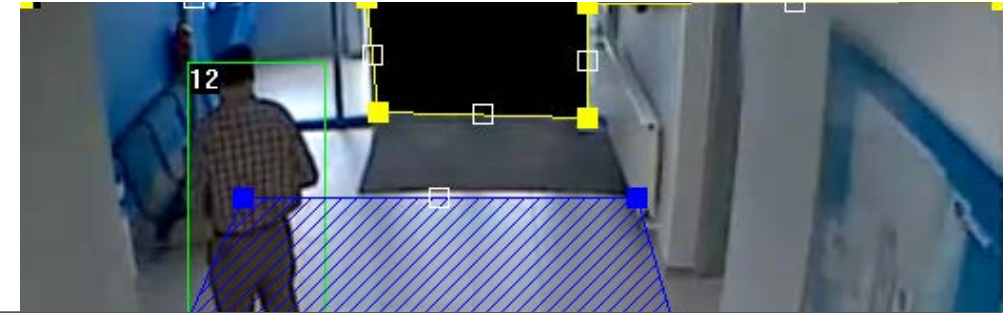
- Heat measurement up to 16.4ft/5m away
- High accuracy (0.54°F/0.3°C)
- High 640x512 and low 384x288 resolution options
- Secondary HD visible camera
- IP65 (optional)
- SDK support
- Complete kits available with Blackbody device for rapid deployment
- Paired blackbody for temperature reference
- Can be used as part of NDAA Section 889 compliant systems



[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 equip Cameras compatibility

	H2W2GR1	H3WXGRx	H3WXGR1V	H4D8GR1_HBD8GR1, HCD8G	H4L6GR2	H4L2GR1V	H4WXGRx / H4L2GR1	H4WXGR1V	HBL6GR2	HBL2GR1V	HBWXGRx	HBWXGR1V	HCL2G / HCWXG	HCL2GV	HCW2GV	HCPB302_HEPB302W01Ax4	HDZ302Dxx	HDZ302Llx	HEPZ302W0	HFDxGR1	HM4L8GR1, HMBL8GR1	CATEGORY	
Audio detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to detect sounds that are above a selected threshold ⁽⁴⁾ .
Auto-tracking																	✓	✓	✓			BUILT-IN VIDEO ANALYTICS (free of charge)	PTZ cameras can be configured to detect people or vehicles in the image and can follow the movement of the detected object automatically.
Face detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	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.
Heat Map						✓				✓			✓									BUILT-IN VIDEO ANALYTICS (free of charge)	It represents people motion traffic density in a specific area within a time period, using colors to display different densities of frequent traffic flow.
Intrusion	✓		✓					✓				✓			✓							BUILT-IN VIDEO ANALYTICS (free of charge)	Detects when intrusion occurs in a pre-defined area ⁽⁴⁾ .
Motion detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to detect motion in the image ⁽⁴⁾ .
Object Abandoned	✓		✓			✓		✓		✓		✓		✓		✓						BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to detect any object abandoned in a predefined area beyond a set period of time ⁽⁴⁾ .
Object Missing	✓		✓			✓		✓		✓		✓		✓		✓						BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to detect an object missing from a predefined area ⁽⁴⁾ .
People counting					✓	✓			✓	✓			✓									BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to count people entering and leaving thru a predefined line ⁽⁴⁾ .
Scene change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can be configured to trigger an alarm when there is a change in the scene caused by movement of the camera ⁽⁴⁾ .
SD Card full/failure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	The installed microSD card is full / not working ⁽⁴⁾ .
Tripwire	✓		✓					✓				✓			✓							BUILT-IN VIDEO ANALYTICS (free of charge)	Detects people, vehicles and objects crossing a predefined line in the image ⁽⁴⁾ .
Video tampering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BUILT-IN VIDEO ANALYTICS (free of charge)	Cameras can detect when the lens is covered ⁽⁴⁾ .
Intrusion Detection ⁽¹⁾						✓			✓			✓										UPLOADABLE VIDEO ANALYTICS - BASIC (free of charge)	Improved detection of intrusion in a predefined area in the image ⁽⁴⁾ .
Loitering Detection ⁽¹⁾						✓			✓			✓										UPLOADABLE VIDEO ANALYTICS - BASIC (free of charge)	Improved detection of people loitering with in an area for a predefined period of time ⁽⁴⁾ .
Trigger Line Detection ⁽¹⁾						✓			✓			✓										UPLOADABLE VIDEO ANALYTICS - BASIC (free of charge)	Improved detection of people, vehicles and objects crossing a predefined line in the image ⁽⁴⁾ .
Xtralis IntrusionTrace™ ⁽²⁾				✓	✓	✓		✓	✓			✓			✓	✓		✓	✓			UPLOADABLE VIDEO ANALYTICS - ADVANCED (licence required)	Provides high performance intrusion detection using video analytics specifically designed for 24/365 low false alarms operation.
Xtralis LoiterTrace™ ⁽²⁾				✓	✓	✓		✓	✓			✓					✓		✓	✓		UPLOADABLE VIDEO ANALYTICS - ADVANCED (licence required)	Provides high performance Loiter detection using video analytics specifically designed for 24/365 low false alarms operation.
Xtralis VehicleTrace™ ⁽³⁾								✓														UPLOADABLE VIDEO ANALYTICS - ADVANCED (licence required)	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

(1) Open VA framework
 (2) Additional license application required, Firmware must be 30 March 2017 or later
 (3) MAXPRO NVR 4.9 minimum (consult us for availability in regions)

✓ Available on the Camera and MAXPRO NVRs
 ✓ Available on the Camera only

(4) A set of alarms can be triggered as configured.

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.

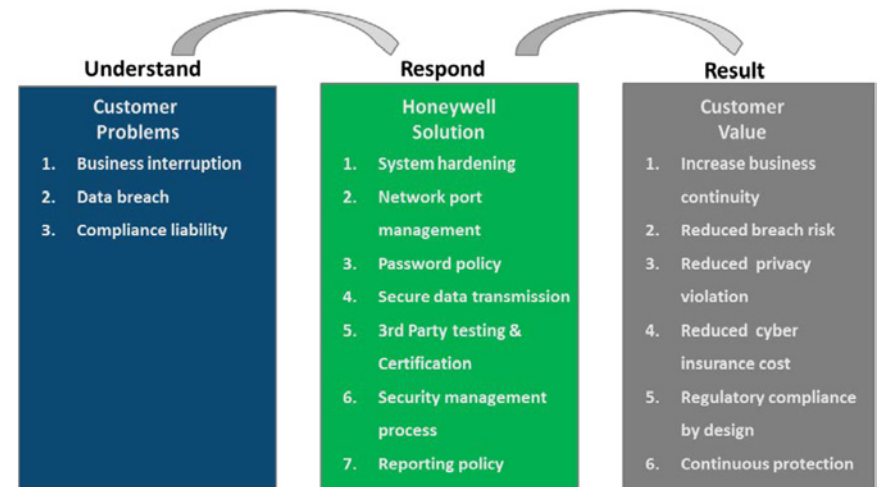
Cybersecurity

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**.



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