

VIDEO SURVEILLANCE GUIDE 2018-3
SMALL & MEDIUM-SIZED BUSINESS



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 analogue cameras and digital and network video recorders, through to intelligent video analytics and sophisticated video management systems.

CONTENTS

Performance Series IP Cameras	4-7
<ul style="list-style-type: none"> • IR Ball Camera • IR Rugged Dome Camera • IR Bullet Camera • Fisheye Camera • PTZ Cameras 	
Performance Embedded NVRs	8
High Quality Analogue Solutions	10-11
High Quality Analogue Cameras	12-13
<ul style="list-style-type: none"> • Rugged Dome • PTZ Camera • Bullet Camera • Ball Camera • Box Camera • PIR Camera • Temperature & Humidity Camera • Pin-Hole Camera • Fisheye Camera 	
Performance Hybrid DVRs	14
HDCS Software	15
Performance brackets compatibility table	16-17
Learn more about:	18-19
<ul style="list-style-type: none"> • GDPR • Cybersecurity 	



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 operate directly in 100+ cities worldwide providing local support to our customers. Our products are globally available 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. We are also able to support customers internationally with our Global Customer Accounts program.

• Product Quality

At a product level, Honeywell's CCTV range was specifically developed 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 leading the connected building systems globally to bring together all its products into a connected 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 and is backed by the corporate resources of the global Honeywell business. We are proud of our ability to support our loyal customer installation base. Our size and resources mean that you can be confident that Honeywell will still be around for many decades to come.

• New Product Development

Our products are continuously updated to ensure we stay abreast of changing market requirements whilst maintaining excellent durability and reliability. You can therefore be confident that if you use our products, they will have a long and effective working life.

• Single Source Of Supply

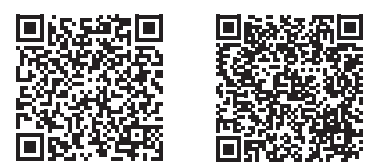
Honeywell is one of the largest and oldest companies globally not only for Video Surveillance systems but also offering a complete portfolio of low voltage systems such as Intrusion systems, Access control, Fire, Public Address/Voice Alarm, Building Management systems and others to create a truly Connected Building for end users. This allows end users to buy all their systems from a single vendor for added convenience and reliability for end-to-end support.

• Cyber Security

At Honeywell, we take the cyber security very seriously and ensure all new products 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.



Download our free
"Cameras & NVRs" App
All our video products
on your device...

or visit:

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

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, our IP network cameras offer superb picture quality and seamless integration to our Honeywell video NVR solutions.

Performance Series IP IR Cameras: 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
- 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)

	PART NUMBER	DESCRIPTION	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HORIZONTAL ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE (M)	COMPRESSION	FRAMERATE	ENVIRONMENTAL RATINGS	POWER REQUIREMENTS	WORKING ENVIRONMENT
IR BALL CAMERA														
	HEW2PER3	2MP DWDR TDN IR Ball camera	1/3"	2.8mm fixed, F2.0	2MP (1920 x 1080)	0.08 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	83°	-	25	H.265+/H.265/H.264+/H.264	2 MP at 1 - 25/30fps D1/CIF at 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
	HEW2PR2	2MP WDR TDN IR Ball camera	1/2.7"	2.7-12mm MFZ, F1.4	2MP (1920 x 1080)	0.1 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	86° - 30°	MicroSD, up to 128GB	60	H.264/MJPEG	2MP (1-25/30 fps) 1080p (1-25/30fps) D1, CIF (1-25/30 fps)	IP66 rated	PoE (802.3af), 12 V DC 7.0 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	HEW4PR2	4MP WDR TDN IR Ball camera	1/3"	2.7-12mm MFZ, F1.4	4MP (2688 x 1520)	0.1 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	86° - 30°	MicroSD, up to 128GB	60	H.264/MJPEG	4MP (1-25/30 fps) 1080p (1-25/30fps) D1, CIF (1-25/30 fps)	IP66 rated	PoE (802.3af), 12 V DC 7.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	HEW4PRW3	4MP WDR TDN IR Ball camera	1/3"	2.8mm fixed, F2.0	4MP (2688 x 1520)	0.01 lux, F2.0 (colour); 0 lux (with IR LEDs on)	110°	-	40	H.264/MJPEG	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-20 fps)	IP66 rated	PoE (802.3af), 12 V DC 3.7 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	HEW4PER3	4MP WDR TDN IR Ball camera	1/3"	2.8mm fixed, F2.0	4MP (2688 x 1520)	0.08 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on)	87°	-	25	H.265+/H.265/H.264+/H.264	4 MP at 1 - 20fps, 3 MP at 1 - 25/30fps, D1/CIF at 1 - 25/30fps	IP66 rated	PoE (802.3af), 12 V DC 4.68 W max. (IR LEDs on)	-30°C to 55°C; 0% to 95% RH, non-condensing
	HEW8PR1	8MP (4k) WDR TDN IR Ball camera	1/2.5"	4.0mm fixed, F1.6	8MP (3840 x 2160)	0.07 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	88°	MicroSD, up to 128GB	50	H.265/H.264/MJPEG	8M (3840x2160) 1-15 fps; 6M (3072x2048) 1-20 fps; 4M (2688x1520) / WQHD (2560x1440) 1-25 fps; 3M (2304x1296) or lower resolution at 1-25/30 fps	IP66 rated	PoE (802.3af), 12 V DC 4,97 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing

PERFORMANCE SERIES IP CAMERAS

PART NUMBER	DESCRIPTION	IMAGE SENSOR	LENS	RESOLUTION	MINIMUM ILLUMINATION	HORIZONTAL ANGLE OF VIEW	LOCAL STORAGE	IR DISTANCE (M)	COMPRESSION	FRAMERATE	ENVIRONMENTAL RATINGS	POWER REQUIREMENTS	WORKING ENVIRONMENT	
IR RUGGED DOME														
	H2W2PRV3	2 MP WDR TDN IR Micro-Dome Camera with built-in microphone	1/2.7"	2.8mm fixed, F1.4	2MP (1920 x 1080)	0.01 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	120°	MicroSD, up to 128GB	20	H.264/MJPEG	2MP/1080p (1-25/30fps) D1, CIF (1-25/30 fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	H2W4PRV3	4 MP WDR TDN IR Mini-Dome Camera with built-in microphone	1/3"	2.8mm fixed, F1.4	4MP (2688 x 1520)	0.01 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	106°	MicroSD, up to 128GB	20	H.264/MJPEG	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-25/30 fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	H4W4PER2	4 MP WDR TDN IR Rugged Mini-Dome Camera	1/3"	2.7 - 13.5mm, MFZ, F1.4	4MP (2688 x 1520)	0.03 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4	104°-28°	MicroSD, up to 128GB	45	H.265+/H.265/H.264+/H.264	4 MP (2688x1520) 1 - 20 fps; 3 MP (2304x1296) 1 - 25/30 fps	IK10 vandal resistant IP66 rated	PoE (802.3af), 12 V DC 8.5 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	H4W4PER3	4MP WDR IR Rugged Mini Dome Camera	1/3"	2.8mm fixed, F2.0	4MP (2688 x 1520)	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	87°	-	45	H.265+/H.265/H.264+/H.264	4 MP (2688x1520) 1 - 20 fps; 3 MP (2304x1296) 1 - 25/30 fps	IK10 vandal resistant IP66 rated	PoE (802.3af), 12 V DC 4.58 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	H4W4PRV3	4 MP WDR TDN IR Rugged Mini-Dome Camera	1/3"	2.8mm fixed, F2.0	4MP (2688 x 1520)	0.01 lux, F2.0 (colour); 0 lux (with IR LEDs on)	106°	-	30	H.264/MJPEG	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-25/30 fps)	IP66 rated IK10 vandal resistant	PoE (802.3af), 12 V DC 4.0 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	H4D8PR1	8 MP (4k) WDR TDN IR Rugged Mini-Dome Camera	1/2.5"	4.0mm fixed lens, F1.6	8MP (3840x2160)	0.1 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	88°	MicroSD, up to 128GB	30	H.265/H.264/MJPEG	8MP (3840x2160) 1-15 fps; 6MP (3072x2048) 1-20 fps; 4MP (2688x1520) / WQHD (2560x1440) 1-25 fps; 3MP (2304x1296) or lower resolution at 1-25/30 fps	IK10 vandal resistant IP66 rated	PoE (802.3af), 12 V DC 6.7 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
IR BULLET														
	HBD2PER1	2MP DWDR TDN IR Bullet Camera	1/2.9"	3.6mm fixed, F2.0	2MP (1920 x 1080)	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	83°	-	30	H.265+/H.265/H.264+/H.264	2 MP (1920x1080) 1 - 25/30 fps; D1 (704x576) 1 - 25/30 fps; CIF (352x288) 1 - 25/30 fps;	IP66 rated	PoE (802.3af), 12 V DC 5.03 W max. (IR LEDs on)	-30°C to 55°C; 0% to 95% RH, non-condensing
	HBW2PR2	2 MP WDR TDN IR Bullet Camera	1/2.7"	2.7-12mm MFZ, F1.4	2MP (1920 x 1080)	0.1 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on)	93° - 35°	MicroSDHC, up to 128GB	60	H.264/MJPEG	2 MP (1920x1080) 1-25/30fps, D1, CIF (1-25/30 fps)	IP66 rated	PoE (802.3af), 12 V DC 13.0 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	HBW4PER1	4 MP WDR TDN IR Bullet Camera	1/3"	3.6mm fixed, F2.0	4MP (2688 x 1520)	0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0	87°	-	30	H.265+/H.265/H.264+/H.264	4 MP (2688x1520) 1 - 20 fps; 3 MP (2304x1296) 1 - 25/30 fps	IP66 rated	PoE (802.3af), 12 V DC 5.7 W max. (IR LEDs on)	-30°C to 55°C; 0% to 95% RH, non-condensing
	HBW4PER2	4 MP WDR TDN IR Bullet Camera	1/2.9"	2.7 - 13.5mm, MFZ, F1.4	4MP (2688 x 1520)	0.03 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4	104°-28°	MicroSD, up to 128GB	50	H.265+/H.265/H.264+/H.264	4 MP (2688x1520) 1 - 20 fps; 3 MP (2304x1296) 1 - 25/30 fps	IP66 rated	PoE (802.3af), 12 V DC 11.74 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
	HBD8PR1	8 MP (4k) WDR TDN IR Bullet Camera	1/2.5"	4.0mm fixed, F1.6	8MP (3840 x 2160)	0.07 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	88°	MicroSD, up to 128GB	30	H.265/H.264/MJPEG	8MP (3840x2160) 1-15 fps; 6MP (3072x2048) 1-20 fps; 4MP (2688x1520) / WQHD (2560x1440) 1-25 fps; 3MP (2304x1296) or lower resolution at 1-25/30 fps	IP66 rated	PoE (802.3af), 12 V DC 6.7 W max. (IR LEDs on)	-30°C to 60°C; 0% to 95% RH, non-condensing
FISHEYE														
	HFD5PR1	5MP DN DWDR Rugged Fisheye Camera with built-in microphone	1/3"	1.42mm fixed F2.6	5MP (2592 x 1944)	0.01 lux (colour)/0.001 lux (B/W) @ F2.6	185°	MicroSD, up to 64GB	-	H.264/MJPEG	5M (3072x2048) 1-12 fps; UXGA (1600x1200) at up to 25/30 fps	-	PoE (802.3af), 12 V DC 6 W max	-30°C to 40°C; 0% to 95% RH, non-condensing
PTZ CAMERAS														
	HDZP252DI	2MP IR, DWDR Indoor / Outdoor PTZ,	1/2.8"	4.8-120mm, MFZ F1.6-F4.4	2MP (1920 x 1080)	0.005 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	59.2° - 2.4°	MicroSD, up to 128GB	100m	H.265/H.264/MJPEG	2MP (1920x1080)/720p @ 60/50 fps	IP66 rated	12 VDC / 20W Max PoE+	-40°C to 70°C; 0% to 95% RH, non-condensing
	HDZP304DI	4MP IR, WDR 120dB Indoor / Outdoor PTZ,	1/3"	4.5-135mm, MFZ F1.6-F4.4	4MP (2688 x 1520)	0.05 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)	60° - 2.2°	MicroSD, up to 128GB	100m	H.265/H.264/MJPEG	4 MP, 3 MP at 30 fps or 1080p, 1.3 MP, 720p at 60 fps	IP66 rated	24VAC ± / 10% / 23W Max PoE+	-40°C to 70°C; 0% to 95% RH, non-condensing

For details of compatible Performance Series embedded NVRs please see pages 22 - 23

Performance series embedded H.265 NVRs

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	PoE	SATA/eSATA	STORAGE
Available Q3/2018	4 CHANNEL	HEN04103	8 MP (4k) @ 1-15fps	120 fps (1080p) 80 Mbps			1 x USB3.0, 1 x USB2.0, 1 x RS232	4		no HDD
		HEN04113								1 TB
		HEN04123								2 TB
Available Q3/2018	8 CHANNEL	HEN08103	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	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	8	no HDD
		HEN08113								1 TB
		HEN08123								2 TB
Available Q3/2018	16 CHANNEL	HEN16103	12MP / 8 MP (4k) @ 1-15fps	480 fps (1080p) 200 Mbps			1 x USB3.0, 1 x USB2.0, 1 x RS232	16		no HDD
		HEN16123								2 TB
		HEN16143								4 TB
New	8 CHANNEL	HEN08104	12MP / 8 MP (4k) @ 1-15fps	240 fps	(4k) 1 HDMI, 1 VGA	4/2	1 x USB3.0, 1 x USB2.0, 1 x RS232	8	2/0	no HDD
		HEN08144								4 TB
		HEN08124								12 TB
New	16 CHANNEL	HEN16104	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	480 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 1 x USB2.0, 1 x RS232	16	4/1	no HDD
		HEN16144								4 TB
		HEN16184								8 TB
New	32 CHANNEL	HEN16204	12MP / 8 MP (4k) @ 1-15fps	960 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN16284								8 TB
		HEN16244								24 TB
New	64 CHANNEL	HEN16304	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 1 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN16384								8 TB
		HEN16324								16 TB
New	64 CHANNEL	HEN32104	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	960 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN32124								8 TB
		HEN32304								16 TB
New	64 CHANNEL	HEN32384	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN323164								8 TB
		HEN32204								16 TB
New	64 CHANNEL	HEN32284	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN322164								8 TB
		HEN64204								16 TB
New	64 CHANNEL	HEN64304	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN643164								8 TB
		HEN643324								16 TB
New	64 CHANNEL	HEN643484	6MP/5MP/4MP/3MP/1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6	2 x USB3.0, 2 x USB2.0, 1 x RS232	16	8/1	no HDD
		HEN643164								32 TB
		HEN643484								48 TB

Embedded NVRs accessories

	PART NUMBER	DESCRIPTION
New	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 HENxxxx2 models (for second generation NVR only)
	HEN4EC8	Performance Focus 4K NVR Storage Expansion Chassis, 8 SATA



HonView Touch
Mobile App
Available for iOS and Android devices

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

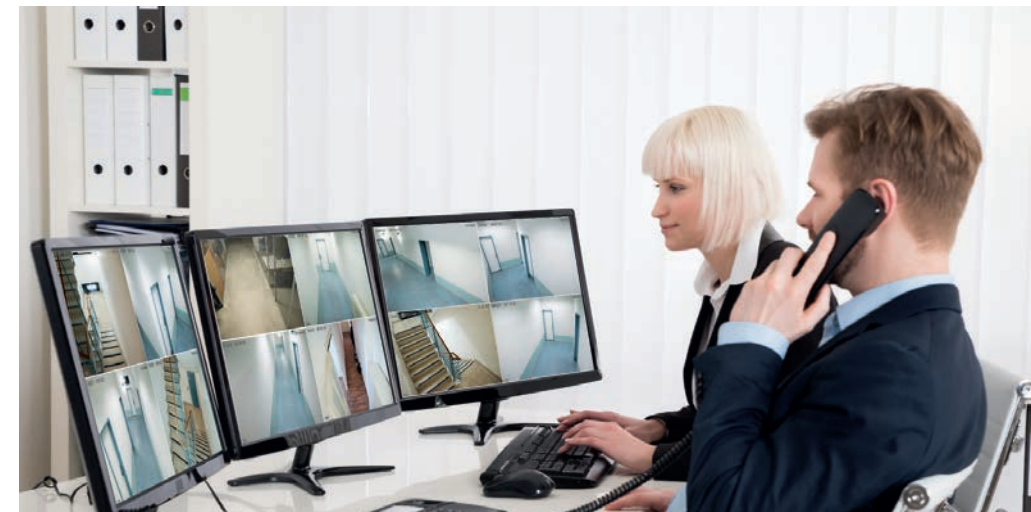
- Upgrade with minimal training
- No need to be an IT experts
- Uses existing coax cable

Solutions for any need

- More options to choose from HQA line
- Backwards compatible

Low Maintenance

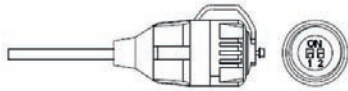
- No License fees and network maintenance required



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	ENVIRONMENTAL	SMART IR LEDS	WDR	POWER INFORMATION	ADDITIONAL INFORMATION		
HD30XD2	2 MP (HQA, TVI, AHD, SD) WDR 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)	IK10 vandal resistant, IP66	12 IR LEDs up to 30 m (100')	DWDR	12 VDC, 2.6W Max	1-channel BNC CVI/TVI/AHD/ CVBS video output		
HD41XD2		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		1/2.1", 2.7 – 13.5mm, MFZ, F1.3			2 IR LEDs up to 30 m (100')	WDR (120 dB)			12 VDC, 5.4W Max	
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 1-channel BNC CVBS video output
HD274HD4			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	
H4042HD8		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

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) WDR 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		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 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 WDR 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 WDR IR Ball Camera Grey				20 IR LEDs, up to 30 m (100')			
HE41XD2	2 MP HQA/ CVI, TVI, AHD, SD WDR IR Ball Camera	1/2.9", 2.7 – 13.5mm, vari-focal lens, F1.4	0.005 lux colour @ F1.3; 0 lux B/W with IR LEDs		2 High Power IR LEDs up to 50 m (150')	WDR (120 dB)	12 VDC, 7.2W Max	
HE42XD2		1/2.8", 2.7 – 13.5mm, MFZ lens, F1.3						
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)		1 high-powered LED up to 50 m (164')	WDR (120 dB)	12 VDC, 5.3W Max	

(*) All channels at 25 fps at up to 4CIF resolution


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						
 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, SD 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/CVBS 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, SD, 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/CVBS 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 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 Fisheye Camera	1/3", 1.18mm, fixed lens	0.01 lux @ F2.0 (colour), 0.001 lux (B/W)	IK10 vandal resistant, IP66	N/A	WDR (120 dB)	12 VDC 2.2 W Max	1-channel CVI and 1-channel CVBS video output

Honeywell Security Video

Performance series Hybrid DVRs (Analogue HQA and IP)

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.

CHANNEL	PART NUMBER	DESCRIPTION	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	SATA PORTS	STORAGE
4 CHANNEL	 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	0 TB (No HDD)
	HRHT4041								1 TB
	HRHT4042								2 TB
	HRHQ1040								0 TB (No HDD)
	HRHQ1041								1 TB
8 CHANNEL	 HRHT4080	HQA/CVBS/ IP Hybrid DVR, PAL/NTSC	4 MP @ 1-15fps, 1080p/720p/960H... @ 25/30fps	240 fps (720p) 120 fps (1080p)	1 HDMI, 1 VGA	-	1/1	2	0 TB (No HDD)
	HRHT4082								2 TB
	HRHT4084								4 TB
	HRHQ1080								0 TB (No HDD)
	HRHQ1081								1 TB
	HRHQ1082								2 TB
16 CHANNEL	 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	0 TB (No HDD)
	HRHT4162								2 TB
	HRHT4164								4 TB
	HRHT4166								6 TB
	HRHT41612								12 TB
	HRHQ1160								0 TB (No HDD)
	HRHQ1162								2 TB
	HRHQ1164								4 TB

How many IP channels can be used?

Number of Analogue/IP Channels available on HQA Hybrid DVRs																				
HRHQ104X &	Analogue Channels used	0	1	2	3	4														
HRHT104X	IP Channels remaining	6	5	4	3	2														
HRHQ108X &	Analogue Channels used	0	1	2	3	4	5	6	7	8										
HRHT408x	IP Channels remaining	12	11	10	9	8	7	6	5	4										
HRHQ116X &	Analogue Channels used	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
HRHT416x	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

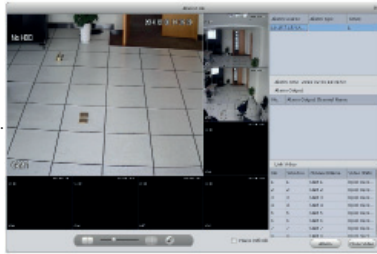


HonView Touch
Mobile App
Available for iOS and Android devices

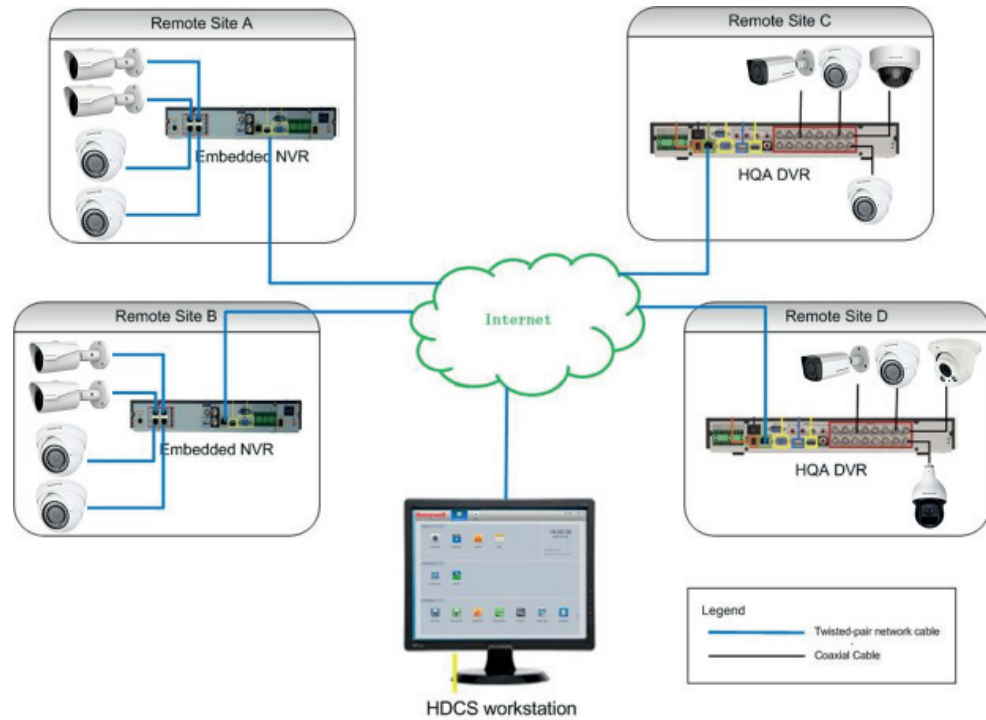
HDCS

Central Management Software for Performance Series NVRs/DVRs














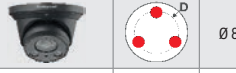



HDCS is the central management software designed for the Performance Series-IP Embedded NVR and the Performance Series-HQA (High Quality Analog) DVR to connect multiple devices for video surveillance. Featuring a user-friendly interface, HDCS can be deployed for device add-on, configuration, status monitoring, alarm event checking, video live view and recording, as well as E-map central management system.



SYSTEM DIAGRAM



Performance brackets compatibility table

															
# HOLES	D	IP	HQA	JUNCTION BOX				WALL MOUNT		IN-CEILING BRACKET	RAIN SHIELD BRACKET	PENDANT MOUNT CAP	CEILING MOUNT BRACKET	POLE MOUNT	CORNER MOUNT
	Ø 110mm	H4W4PER2	H4D42HD8, HD274HD4, HD41XD2, HD42XD2		✓		✓		✓		✓	✓	✓	with HQA-PK	with HQA-WK, HQA-BB2/G or HQA-BB4 with HQA-BB2/G or HQA-BB4
	Ø 98mm	H4D8PR1, H4W4PER3	HD30XD2, HD72HD4		✓				✓		✓	✓	with HQA-PK	with HQA-WK or HQA-BB2/G	with HQA-BB2/G
	Ø 55mm	-	HB30PHD2					✓						with HBS2-BB or HEJB	with HBS2-BB or HEJB
	Ø 55mm	-	HB30THD2					✓							
	Ø 55mm	HBD2PER1, HBW4PER1	HB30XD2					✓							
	Ø 70mm	HBW2PR2, HBW4PER2	HB276HD4, HB41XD2					✓						with HBS2-BB	with HBS2-BB
	Ø 70mm	-	HB42XD2					✓							
	Ø 70mm	-	HBD42HD8					✓							
	Ø 69mm	HBD8PR1	HB74HD4	✓										with HQA-BB1	with HQA-BB1
	Ø 69mm	HED8PR1, HEW4PRW3	HD30HD4, HE30XD2, HE30XD2G	✓		✓			✓			✓	with HQA-PK	with HQA-BB1, HQA-WK2/G or HQA-BB3/G	with HQA-BB1 or HQA-BB3/G
	Ø 68mm	-	HE41XD2	✓					✓			✓	with HQA-PK	with HQA-WK2/G or HQA-BB1	with HQA-BB1
	Ø 68mm	HED2PER3, HEW4PER3	-	✓					✓			✓			
	Ø 84mm	-	HE42XD2, HE42XD2G		✓			✓			✓	✓	with HQA-PK	with HQA-WK, HQA-BB2/G or HBS2-BB	with HQA-BB2/G or HBS2-BB
	Ø 84mm	HEW2PR2, HEW4PR2	-		✓			✓			✓	✓			
	Ø 98mm	HFD5PR1	HFD40HD4		✓				✓			✓	with HQA-PK	with HQA-WK or HQA-BB2/G	with HQA-BB2/G
	Ø 91mm	H2W2PRV3, H2W4PRV3	-			✓			✓			✓	with HQA-PK	with HQA-WK2/G or HQA-BB3/G	with HQA-BB3/G

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-clauses-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.

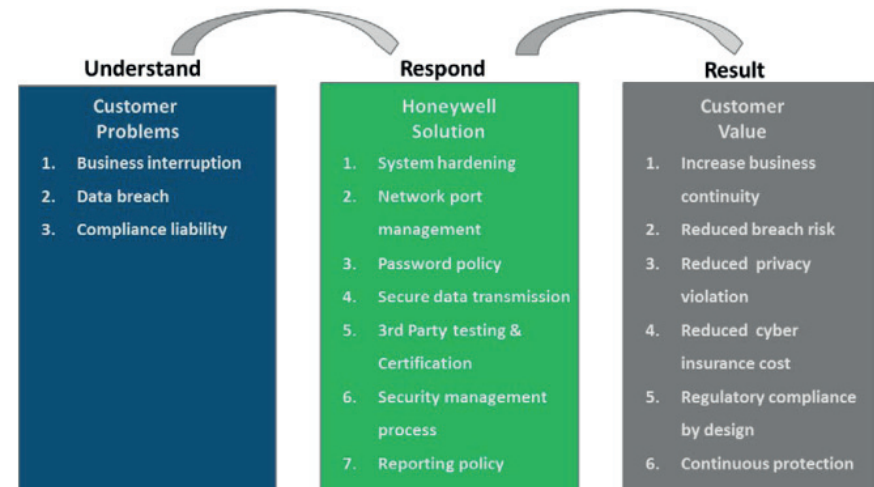
Cybersecurity

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



Cameras & NVRs products portfolio



HonView Touch



Honeywell Security Security Office

Emaar Business Park, Sheikh Zayed
Road Building No. 2, 2nd Floor, Office No.
201 Post Office Box 232362 Dubai
United Arab Emirates
Tel: +971 44505 800
Fax: +971-4-450-5900

Customer service:

honeywellsecurity.orders@honeywell.com

Technical support:

honeywellsecurity.postsales@honeywell.com

Product and Sales enquiry:

honeywellsecurity.marketing@honeywell.com

HSV-VideoShowcase-07-EN(0518)CAT-Z
May 2018
© 2018 Honeywell International Inc.

Honeywell