

# VIDEO SURVEILLANCE GUIDE 2020



**Honeywell**

THE POWER OF **CONNECTED**

# 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.

|  |       | 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

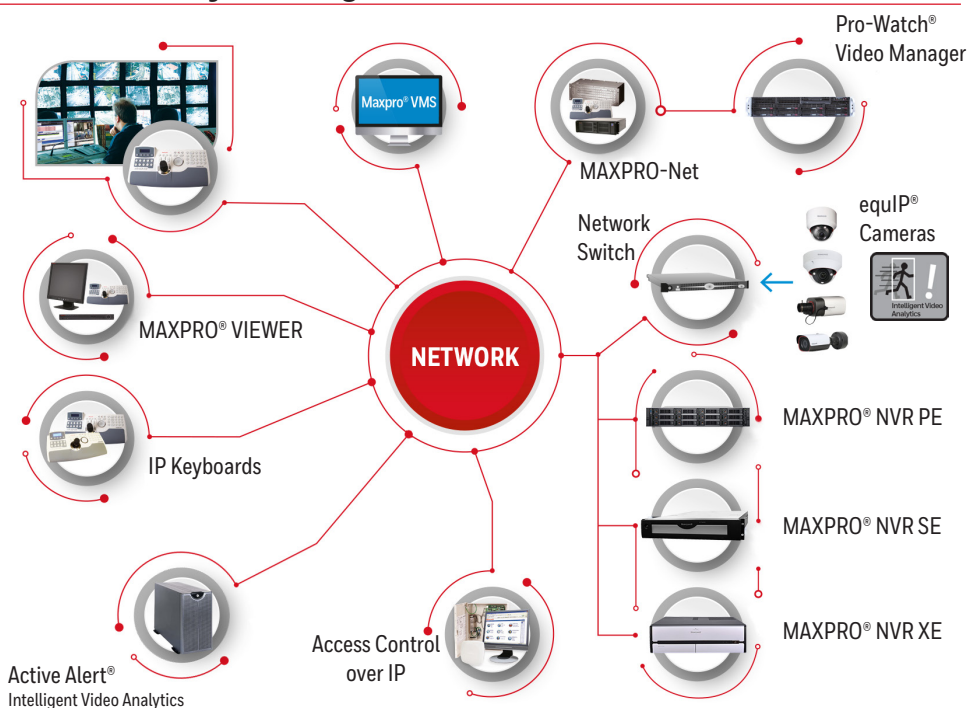
## Video Management System

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 Active Alert® 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.



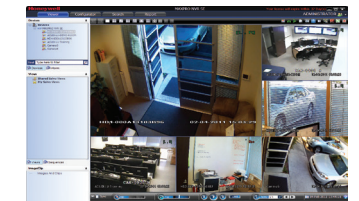
#### Next Generation Vision MAXPRO VIEW Client Software

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.



#### World Class, Scalable NVR

MAXPRO NVR is scalable for the future as the needs of your customers grow. Our NVR technology is used in some of the world's largest digital video surveillance systems.



#### 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

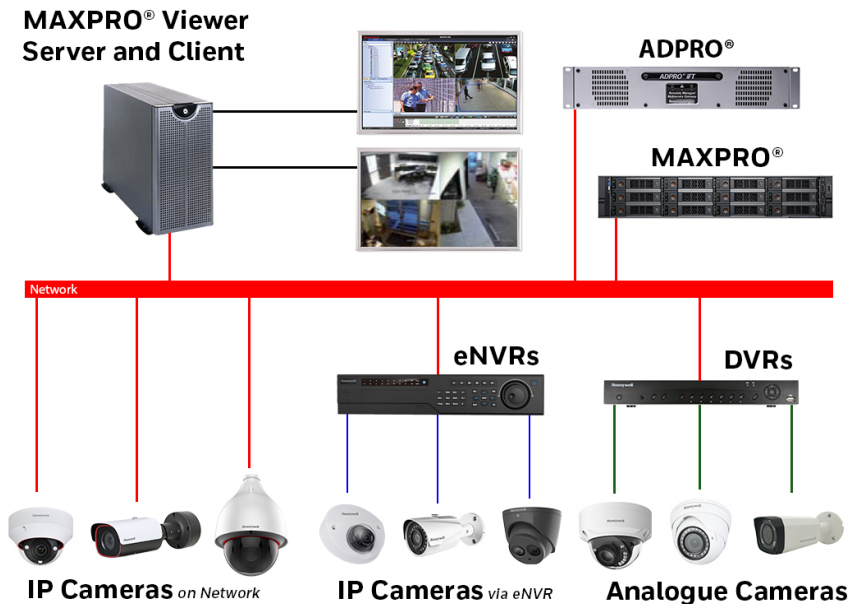
- Provides the processor and storage enclosure in one chassis, resulting in both space and cost savings
- Rack mountable with up to 12 removable drives

| 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® FastTrace™ 2E

Remotely Programmable NVR+

The ADPRO FastTrace 2E is the best-in-class video recording and alarm transmission solution available. It runs the latest ADPRO XO Security+ Operating System, to create a powerful NVR+ platform. The NVR is scalable up to 32 video channels, of which 4 to 20 analogue channels, expandable with up to 32 IP channels\*. Furthermore, up to 32 analytic channels are possible.

### ADPRO iFT-E

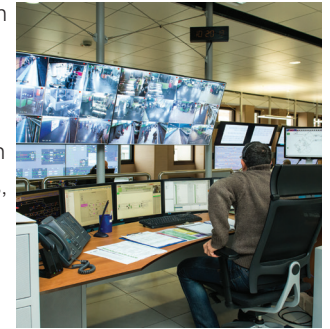
Remotely Programmable NVR+

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, FastTrace 2E, 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                          | FastTrace 2E                        | iFT                                    | iFT-E                               |
|----------------------------------|----------------|-------------------------------------|-------------------------------------|--|-------------------------------------|
| IP Camera Channels               | 4              | ✓                                   | ✓                                   | —                                      | —                                   |
|                                  | 8              | —                                   | —                                   | ✓                                      | —                                   |
|                                  | 10             | —                                   | ✓                                   | ✓                                      | ✓                                   |
|                                  | 12             | —                                   | ✓                                   | ✓                                      | ✓                                   |
|                                  | 16             | —                                   | ✓                                   | ✓                                      | ✓                                   |
|                                  | 20             | —                                   | ✓                                   | ✓                                      | ✓                                   |
|                                  | 32             | —                                   | ✓                                   | ✓ (no VCA)                             | ✓                                   |
| Analogue Cameras (Hybrid)        |                | —                                   | Up to 20 Channels                   | —                                      | —                                   |
| Analogue Cameras over IP         |                | Up to 4                             | Up to 32 <sup>1</sup>               | Up to 32 <sup>1</sup>                  | Up to 32 <sup>1</sup>               |
| IP Channels Configuration        |                | 4 IP with option to add 4 Analytics | Up to 32 IP with up to 32 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*                      | 40 In / 16 Out                      | 8 In / 4 Out***                        | 8 In / 4 Out***                     |
| Network I/O **                   |                | 128 In / 128 Out                    | 128 In / 128 Out                    | 128 In / 128 Out                       | 128 In / 128 Out                    |

<sup>1</sup> Up to 32 high-definition analogue cameras over IP via Honeywell Performance Series HQA DVRs  
<sup>\*</sup> Via XO I/O Interface USB module  
<sup>\*\*</sup> 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.  
<sup>\*\*\*</sup> An additional 20 In and 8 out if you are using an XO I/O USB interface module

# 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.



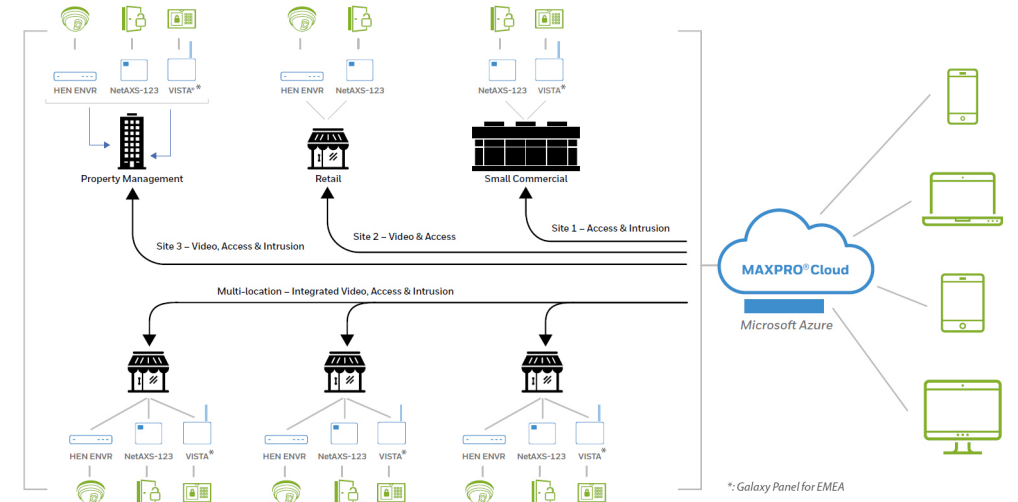
### MAXPRO® Cloud: Key Benefits

- 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



- NetAXS 123 panels

#### Intrusion Panel



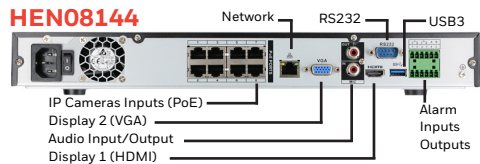
- Galaxy panels series (EMEA)
- Vista panels series (NA)

| MAXPRO CLOUD SERVICES - MONTHLY FEES                     | UP TO 1080P | >1080P UP TO 5MP |
|--|-------------|------------------|
| For one camera without Cloud storage (free of charge)    | MPC-S000    | MPC-H000         |
| 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.

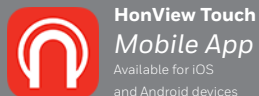


|  | PART NUMBER | RESOLUTION                    | RECORDING RATE (TOT)                                      | VIDEO OUTPUT                | ALARM I/O                | AUDIO I/O | PORTS / MAX TB   | PoE        | SATA/eSATA | STORAGE    |            |
|--|-------------|-------------------------------|---|-----------------------------|--------------------------|-----------|--|------------|------------|------------|------------|
|  | 4 CHANNEL   | HEN04103 *                    | 120 fps (1080p)<br>200 Mbps                               | (4k)<br>1 HDMI<br>1 VGA     | 4/2                      | 1/1       | 1 x USB3.0,<br>1 x USB2.0,<br>1 x RS232,<br>Up to 16TB | 4          | 2/0        | no HDD     |            |
|  |             | HEN04113                      |   |                             |                          |           |  |            |            | 1 TB       |            |
|  |             | HEN04123                      |   |                             |                          |           |  |            |            | 2 TB       |            |
|  | 8 CHANNEL   | HEN08103 *                    | 8 MP (4k)<br>@ 1-15fps                                    | 240 fps (1080p)<br>200 Mbps | (4k)<br>1 HDMI<br>1 VGA  | 4/2       | 1/1  | Up to 16TB | 8          | 2/0        | no HDD     |
|  |             | HEN08113                      |   |                             |                          |           |  |            |            |            | 1 TB       |
|  |             | HEN08123                      |   |                             |                          |           |  |            |            |            | 2 TB       |
|  |             | HEN08143                      |   |                             |                          |           |  |            |            |            | 4 TB       |
|  |             | HEN16103 *                    |   |                             |                          |           |  |            |            |            | no HDD     |
|  |             | HEN16123                      |   |                             |                          |           |  |            |            |            | 2 TB       |
|  | 16 CHANNEL  | HEN16143                      | 6MP/5MP/<br>4MP/3MP/<br>1080p/720p<br>.....<br>@ 25/30fps | 480 fps (1080p)<br>200 Mbps | (4k)<br>2 HDMI,<br>1 VGA | 16/6      | Up to 32TB   | 16         | 4/1        | 2/0        | no HDD     |
|  |             | HEN16163                      |   |                             |                          |           |  |            |            |            | 2 TB       |
|  |             |                               |   |                             |                          |           |  |            |            |            | 4 TB       |
|  |             | 6 TB                          |   |                             |                          |           |  |            |            |            |            |
|  | 8 CHANNEL   | 12MP / 8 MP (4k)<br>@ 1-15fps | 240 fps   | (4k)<br>1 HDMI,<br>1 VGA    | 4/2                      | 1/1       | Up to 16TB   | 8          | 2/0        | no HDD     |            |
|  |             |                               |   |                             |                          |           |  |            |            | HEN08144   | 4 TB       |
|  |             |                               |   |                             |                          |           |  |            |            | HEN08124 * | 12 TB      |
|  | 16 CHANNEL  | HEN16104 *                    | 6MP/5MP/<br>4MP/3MP/<br>1080p/720p<br>.....<br>@ 25/30fps | 480 fps                     | (4k)<br>2 HDMI,<br>1 VGA | 16/6      | Up to 32TB   | 16         | 4/1        | 2/0        | no HDD     |
|  |             | HEN16144                      |   |                             |                          |           |  |            |            |            | 4 TB       |
|  |             | HEN16184                      |   |                             |                          |           |  |            |            |            | 8 TB       |
|  |             | HEN16204 *                    |   |                             |                          |           |  |            |            |            | no HDD     |
|  |             | HEN16284                      |   |                             |                          |           |  |            |            |            | 8 TB       |
|  |             | HEN16244                      |   |                             |                          |           |  |            |            |            | 24 TB      |
|  |             | HEN16304 *                    |   |                             |                          |           |  |            |            |            | no HDD     |
|  |             | HEN16384                      |   |                             |                          |           |  |            |            |            | 8 TB       |
|  |             | 32 CHANNEL                    |   |                             |                          |           |  |            |            |            | HEN32104 * |
|  | HEN32114    |                               | 12 TB   |                             |                          |           |  |            |            |            |            |
|  | HEN32304 *  |                               | no HDD  |                             |                          |           |  |            |            |            |            |
|  | HEN32384    |                               | 8 TB  |                             |                          |           |  |            |            |            |            |
|  | HEN323164   |                               | 16 TB   |                             |                          |           |  |            |            |            |            |
|  | HEN32204 *  |                               | no HDD  |                             |                          |           |  |            |            |            |            |
|  | HEN32284    |                               | 8 TB  |                             |                          |           |  |            |            |            |            |
|  | HEN322164   |                               | 16 TB   |                             |                          |           |  |            |            |            |            |
|  | HEN64204 *  |                               | no HDD  |                             |                          |           |  |            |            |            |            |
|  | HEN64304 *  |                               | 16 TB   |                             |                          |           |  |            |            |            |            |
|  | HEN643164   |                               | 32 TB   |                             |                          |           |  |            |            |            |            |
|  | HEN643324   |                               | 48 TB   |                             |                          |           |  |            |            |            |            |
|  | 64 CHANNEL  | HEN643484                     | 1920 fps  |                             | (4k)<br>2 HDMI,<br>2 VGA | 16/6      |  |            | 8/1        | 2/0        | no HDD     |
|  |             | 16 TB                         |   |                             |                          |           |  |            |            |            |            |
|  |             | 32 TB                         |   |                             |                          |           |  |            |            |            |            |
|  |             | 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 |

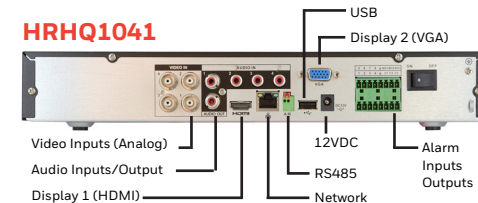


# Performance HQA Hybrid DVRs

## 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 **<br>@ 1-15fps,<br>1080p/720p/<br>960H@25/30fps        | 120 fps (720p)<br>60 fps (1080p)             | 1 HDMI,<br>1 VGA | -         | 1/1       | 1          | No HDD  |
|  | HRHT4041    |   |  |  |                  |           |           |            | 1 TB    |
|  | HRHT4042    |   |  |  |                  |           |           |            | 2 TB    |
|  | HRHQ1040 *  |   |  |  |                  |           |           |            | No HDD  |
|  | HRHQ1041    | HQA/TVI/ AHD/SD/IP Hybrid DVR, PAL/NTSC | 1080p<br>@ 1-15fps,<br>720p/960H...<br>@ 25/30fps            | 24 Mbps                                      | 1 HDMI,<br>1 VGA | 4/3       | 4/1       | 1          | 1 TB    |
|  |             |   |  |  |                  |           |           |            | 2 TB    |
|  |             |   |  |  |                  |           |           |            | 4 TB    |
|  |             |   |  |  |                  |           |           |            | 8 TB    |
|  | HRHT4080 *  | HQA/CVBS/ IP Hybrid DVR, PAL/NTSC       | 4 MP **<br>@ 1-15fps,<br>1080p/720p/<br>960H@25/30fps        | 240 fps (720p)<br>120 fps (1080p)            | 1 HDMI,<br>1 VGA | -         | 1/1       | 2          | No HDD  |
|  | HRHT4082    |   |  |  |                  |           |           |            | 2 TB    |
|  | HRHT4084    |   |  |  |                  |           |           |            | 4 TB    |
|  | HRHQ1080 *  |   |  |  |                  |           |           |            | No HDD  |
|  | HRHQ1081    |   |  |  |                  |           |           |            | 1 TB    |
|  | HRHQ1082    |   |  |  |                  |           |           |            | 2 TB    |
|  | HRHT4160 *  | HQA/CVBS/ IP Hybrid DVR, PAL/NTSC       | 4 MP **<br>@ 1-15fps,<br>1080p/720p/<br>960H...@<br>25/30fps | 480 fps (720p)<br>240 fps (1080p)<br>96 Mbps | 1 HDMI,<br>1 VGA | -         | 1/1       | 2          | No HDD  |
|  | HRHT4162    |   |  |  |                  |           |           |            | 2 TB    |
|  | HRHT4164    |   |  |  |                  |           |           |            | 4 TB    |
|  | HRHT4166    |   |  |  |                  |           |           |            | 6 TB    |
|  | HRHT41612   |   |  |  |                  |           |           |            | 12 TB   |
|  | HRHQ1160 *  |   |  |  |                  |           |           |            | No HDD  |
|  | HRHQ1162    |   |  |  |                  |           |           |            | 2 TB    |
|  | HRHQ1164    |   |  |  |                  |           |           |            | 4 TB    |

\*: Not available in the US

\*\* : 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  |



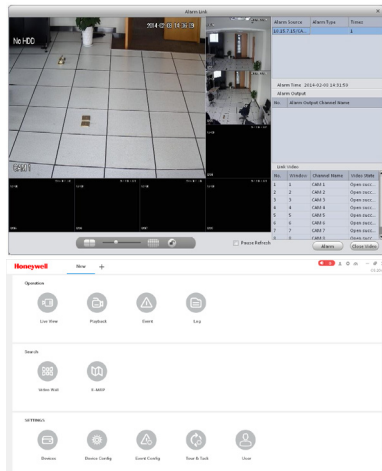
Additional IP channels cannot be used with MAXPRO® Cloud and no IP channel can be used if face detection is on

# HDCS

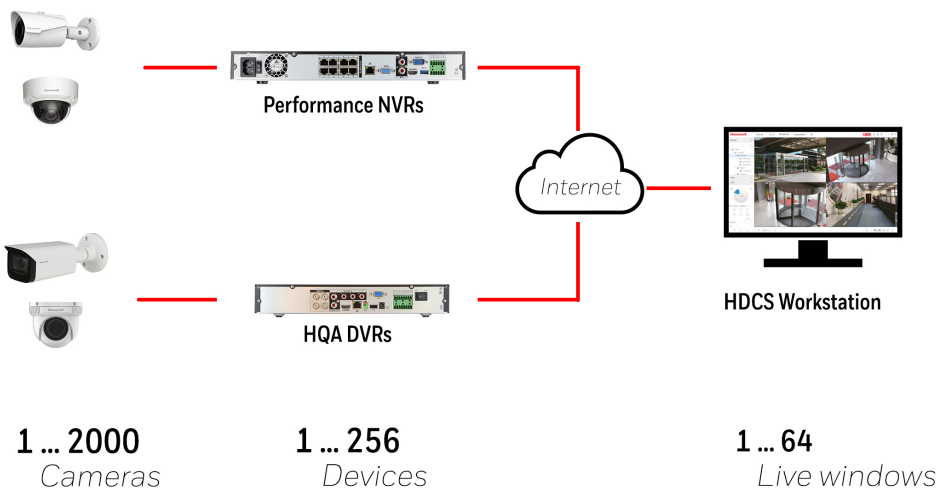
## Central Management Software for Performance Series NVRs/DVRs

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



# equip<sup>®</sup> 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.

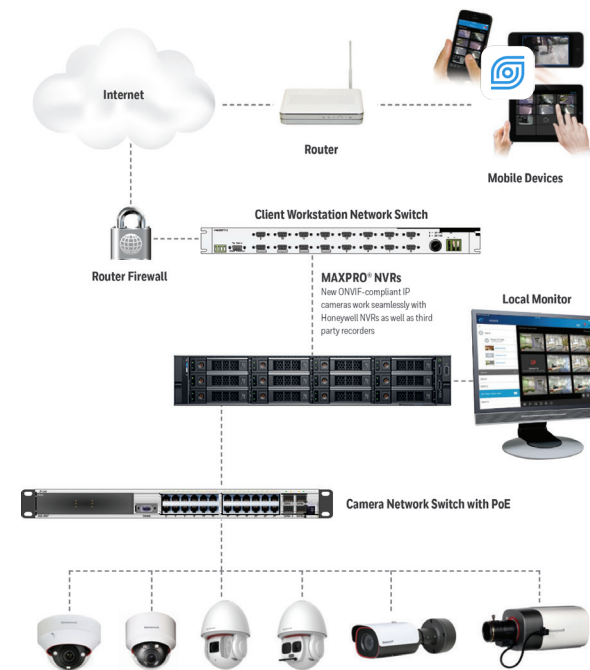


### equip Cameras

#### 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



|                               | H3W2GR2                           | H3W2GR1  | H3W2GR1V    | H3W4GR1  | H3W4GR1V   | H2W2GR1        |
|-------------------------------|-----------------------------------|----------|-------------|----------|------------|----------------|
| Resolution                    | 2MP                               |          | 4MP         |          |            | 2MP            |
| Sensor                        | 1/2.7"                            |          | 1/2.8"      |          |            | 1/2.8"         |
| Best Compression              | H.264                             |          | H.265+      |          |            | H.265+         |
| Lens (MFZ)                    | 7~22mm                            | 2.7~12mm | 2.7~13.5mm  | 2.7~12mm | 2.7~13.5mm | 2.8mm          |
| Angle of View (Horiz)         | 41°- 18°                          | 99°- 34° | 110°-32°    | 99°-34°  | 110°-30°   | 110°           |
| Minimum Aperture              | F1.4                              |          | F1.6        |          |            | F2.0           |
| Minimum Illumination          | 0.01 lux                          |          | 0.001 lux   |          |            | 0.001 lux      |
| Smart IR LEDs range           | 20m                               | 30m      |             | 20m      | 30m        | 15m            |
| True WDR                      | 120dB                             |          | 120dB (?)   |          |            | 120dB (?)      |
| Power Input                   | 12VDC / 24VAC / PoE               |          |             |          |            | 12VDC / PoE    |
| Consumption (Max)             | 9W                                |          | 11W         |          |            | 4.4W           |
| Auxillary Power Supply Output | -                                 |          | 12VDC / 2W  |          |            | -              |
| PoE                           | PoE (Class 0)                     |          |             |          |            | PoE (Class 0)  |
| Long distance PoE             | 100m                              |          | 300m (?)    |          |            | 100m           |
| Temperature                   | -30°C +50°C                       |          | -30°C +60°C |          |            | -30°C +60°C    |
| Video Analytics               | See analytics compatibility table |          |             |          |            | See table      |
| Onvif Profiles                | S, G                              |          | 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     | 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.



|                        | H4L2GR1                           | H4L2GR1V  | H4W2GR1    | H4W2GR1V  | H4W2GR2   | H4W4GR1  | H4W4GR1V   | H4L6GR2     | H4D8GR1   |
|------------------------|-----------------------------------|-----------|------------|-----------|-----------|----------|------------|-------------|-----------|
| Resolution             | 2MP                               |           |            |           | 4MP       |          | 6MP        |             | 12MP      |
| Sensor                 | 1/2.8"                            |           | 1/2.7"     |           | 1/2.8"    |          | 1/3"       |             | 1/1.8"    |
| Best Compression       | H.264                             |           | H.265+     |           | H.264     |          | H.265+     |             | H.265     |
| Lens (MFZ)             | 2.7~12mm                          |           | 2.7~13.5mm |           | 7~22mm    | 2.7~12mm | 2.7~13.5mm | 4.1~16.4mm  | 2.7~12mm  |
| Angle of View (Horiz)  | 102°- 35°                         | 102°- 35° | 99°-34°    | 110°- 32° | 44° - 16° | 99°-34°  | 110°-30°   | 86° - 35°   | 86°- 35°  |
| Minimum Aperture       | F1.4                              |           | F1.6       |           | F1.4      |          | F1.6       |             | F1.53     |
| Minimum Illumination   | 0.005 lux                         |           | 0.001 lux  |           | 0.01 lux  |          | 0.001 lux  |             | 0.004 lux |
| Smart IR LEDs range    | 50m                               |           |            |           |           |          |            |             | 45m       |
| True WDR               | 140dB                             | 140dB (?) | 120dB      | 120dB (?) | 120dB     |          | 120dB (?)  | Digital WDR |           |
| Power Input            | 12VDC / 24VAC / PoE               |           |            |           |           |          |            |             |           |
| Consumption (Max)      | 12W                               | 20.5W     | 12W        | 22W       | 12W       |          | 15W        | 18W         |           |
| Auxillary Power Output | -                                 |           | 12VDC-2W   |           | -         |          | 12VDC-2W   |             | -         |
| PoE                    | Class 0                           |           | Class 4    |           | Class 0   |          | Class 4    |             | Class 4   |
| Long distance PoE      | 100m                              |           | 300m (?)   |           | 100m      |          | 300m (?)   |             | 100m      |
| Temperature            | -40°C +60°C                       |           |            |           |           |          |            |             |           |
| Video Analytics        | See analytics compatibility table |           |            |           |           |          |            |             |           |
| Onvif Profiles         | S, G                              |           | S, G, Q    |           | S, G      |          | S, G, Q    |             | S, G      |
| Other                  |                                   |           | UL CAP     |           | UL CAP    |          | UL CAP     |             | 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



|                      | HCL2G                                      | HCL2GV           | HCW2G    | HCW2GV           | HCW4G            | HCD8G       |
|----------------------|--|------------------|----------|------------------|------------------|-------------|
| Resolution           | 2MP  |                  |          | 4MP              |                  | 12MP        |
| Sensor               | 1/2.8"                                     |                  | 1/2.7"   | 1/2.8"           | 1/3"             | 1/1.7"      |
| Best Compression     | H.264                                      | H.265+           | H.264    | H.265+           | H.264            | H.265       |
| Lens                 | To be ordered separately - support DC-Iris |                  |          |                  |                  |             |
| Focus                | Auto Back Focus                            |                  |          |                  |                  |             |
| Minimum Illumination | 0.002 lux                                  | 0.001 lux        | 0.01 lux | 0.001 lux        | 0.01 lux         | 0.02 lux    |
| True WDR             | 140dB                                      | 140dB (?)        | 120dB    | 120dB (?)        | 120dB            | Digital WDR |
| Power Input          | 12VDC / 24VAC / PoE                        |                  |          |                  |                  |             |
| Consumption (Max)    | 6.5W                                       | 9.5W             | 6.5W     | 10W              | 6.5W             | 8W          |
| PoE                  | PoE (Class 0)                              |                  |          |                  |                  |             |
| Long distance PoE    | 100m                                       | 300m (?)         | 100m     | 300m (?)         | 100m             |             |
| Temperature          | -30°C +60°C                                |                  |          |                  |                  |             |
| Video Analytics      | See analytics compatibility table          |                  |          |                  |                  |             |
| Onvif Profiles       | S, G                                       | S, G, Q          | S, G     | S, G, Q          | S, G             |             |
| Audio                | Built-in microphone                        |                  |          |                  |                  |             |
| Other                |  | UL CAP Certified |          | UL CAP Certified | UL CAP Certified |             |

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

## Box Camera Lenses

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

(\*\*) Not compatible with HCD8G

| PART NUMBER   | DESCRIPTION                                  |
|---|--|
|  <b>HLM5V50MPDE (**)</b> | 6 MP, 1/2.7", F1.6, 5 - 50 mm CS Lens        |
|  <b>HLM105V42MPD</b>     | 12 MP, 1/1.7", F1.5, 10.5 - 42 mm CS Lens    |
|  <b>HLM30V120MPD</b>     | 12 MP, 1/1.7", F2.2 - 2.47, 30-120 mm C Lens |

# equiP Cameras

## IR Rugged Bullet IP Cameras

The HB equiP serie 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.




|                 | HBL2GR1                           | HBL2GR1V  | HBW2GR1    | HBW2GR1V  | HBW2GR3  | HBW2GR3V  | HBW4GR1    | HBW4GR1V | HBL6GR2     | HBD8GR1    |
|-----------------|-----------------------------------|-----------|------------|-----------|----------|-----------|------------|----------|-------------|------------|
| Resolution      | 2MP                               |           |            | 4MP       |          | 6MP       |            | 12MP     |             |            |
| Sensor          | 1/2.8"                            |           | 1/2.7"     | 1/2.8"    | 1/2.7"   | 1/2.8"    | 1/3"       |          | 1/1.8"      | 1/1.7"     |
| Compression     | H.264                             | H.265+    | H.264      | H.265+    | H.264    | H.265+    | H.264      | H.265+   | H.265       |            |
| Lens (MFZ)      | 2.7-12mm                          |           | 2.7-13.5mm |           | 5-50mm   | 5-60mm    | 2.7-13.5mm |          | 4.1-16.4mm  | 5.1-12.8mm |
| Angle of View   | 97°-34°                           | 102°-35°  | 99°-34°    | 110°-32°  | 66°-6.2° | 62°-6°    | 99°-34°    | 110°-30° | 86°-35°     | 86°-35°    |
| Min. Aperture   | F1.4                              | F1.6      | F1.4       | F1.6      | F1.4     | F1.6      | F1.4       | F1.6     | F1.53       | F1.7       |
| Min. Illumin.   | 0.005lux                          | 0.001lux  | 0.01 lux   | 0.001 lux | 0.01 lux |           |            | 0.004lux |             | 0.02 lux   |
| IR LEDs range   | 60m                               |           |            |           |          |           |            |          |             | 65m        |
| True WDR        | 140dB                             | 140dB (?) | 120dB      | 120dB (?) | 120dB    | 120dB (?) | 120dB      |          | Digital WDR |            |
| Power Input     | 12VDC / 24VAC / PoE               |           |            |           |          |           |            |          |             |            |
| Consump. (Max)  | 14.5W                             | 17W       | 12W        | 20.5W     | 12W      | 17.3W     | 12W        | 17.6W    | 18W         |            |
| Power Output    | -                                 | 12VDC-2W  | -          | 12VDC-2W  | -        | 12VDC-2W  | -          | 12VDC-2W |             |            |
| PoE             | Class 4                           |           | Class 0    | Class 4   | Class 0  | Class 4   |            |          |             |            |
| Long dist. PoE  | 100m                              | 300m (?)  | 100m       | 300m (?)  | 100m     | 300m (?)  | 100m       | 300m (?) | 100m        |            |
| Temperature     | -40°C +60°C                       |           |            |           |          |           |            |          |             |            |
| Video Analytics | See analytics compatibility table |           |            |           |          |           |            |          |             |            |
| Onvif Profiles  | S, G                              | S, G, Q   | S, G       | S, G, Q   | S, G     | S, G, Q   | S, G       | S, G, Q  | S, G, Q     | S, G       |
| Other           |                                   | UL CAP    |            | UL CAP    |          | UL CAP    |            | UL CAP   | UL CAP      |            |


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

# Accessories

## Long distance PoE switch

| PART NUMBER   | DESCRIPTION   | POWER  | COMPATIBILITY  | DISTANCE   |
|---|---|--|--|------------|
|  <b>HPOE3X *</b> | 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  |
|--|--|-----------|---|
|  <b>HLR1001 *</b> | 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

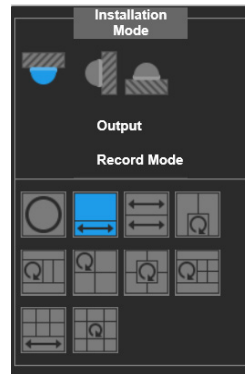
# equiP Cameras

## 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



HMBL8GR1

# 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                           |              |                              |           |



# 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

- Suitable for the NDA\* (section 889) Compliant Marketplace
- 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  | COMPRESSION       | FRAMERATE  | ENVIRON. RATINGS | POWER REQUIREMENTS                            | WORKING ENVIRONMENT   |
|--------------------------|--|---|-------|--------------|--------------------------|------------|---|----------------------------------|---|--------------|-------------------|--|------------------|---|---|
| <b>IR DOME CAMERAS</b>   |  |   |       |              |                          |            |   |                                  |   |              |                   |  |                  |   |   |
| Fixed lens<br>2MP        |  <b>HC30W42R3</b>   | 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)<br>Sub Stream: D1 (1-25/30fps)<br>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)                                 |
|                          |  <b>HC30W45R3</b>   | 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<br>108° @4MP           |   |              |                   | Main Stream: 5MP/4MP (1-25/30fps)<br>*Up to 30fps @5M under H.265 only<br>Sub Stream: 800x600 (1-25/30fps)<br>Third Stream: VGA (1-25/30fps) |                  | PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on) |   |
| MFZ<br>5MP               |  <b>HC30W45R2</b>   | 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<br>93° - 32° @4MP |   |              |                   | PoE (802.3af), 12 VDC 13W max. (IR LEDs on)  |                  | 0% to 90% RH, non-condensing                  |   |
| <b>IR BULLET CAMERAS</b> |  |   |       |              |                          |            |   |                                  |   |              |                   |  |                  |   |   |
| Fixed lens<br>2MP        |  <b>HC30WB2R1</b>  | 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)<br>Sub Stream: D1 (1-25/30fps)<br>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)                                 |
|                          |  <b>HC30WB5R1</b> | 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<br>82° @4MP             |   |              |                   | Main Stream: 5MP/4MP (1-25/30fps)<br>*Up to 30fps @5M under H.265 only<br>Sub Stream: 800x600 (1-25/30fps)<br>Third Stream: VGA (1-25/30fps) |                  | PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on)  |   |
| MFZ<br>5MP               |  <b>HC30WB5R2</b> | 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<br>93° - 32° @4MP |   |              |                   | PoE (802.3af), 12 V DC 13W max. (IR LEDs on)   |                  | 0% to 90% RH, non-condensing                  |   |
| <b>IR BALL CAMERAS</b>   |  |   |       |              |                          |            |   |                                  |   |              |                   |  |                  |   |   |
| Fixed lens<br>2MP        |  <b>HC30WE2R3</b> | 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)<br>Sub Stream: D1 (1-25/30fps)<br>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)                                 |
|                          |  <b>HC30WE5R3</b> | 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<br>108° @4MP           |   |              |                   | Main Stream: 5MP/4MP (1-25/30fps)<br>*Up to 30fps @5M under H.265 only<br>Sub Stream: 800x600 (1-25/30fps)<br>Third Stream: VGA (1-25/30fps) |                  | PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on) |   |
| MFZ<br>5MP               |  <b>HC30WE5R2</b> | 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<br>93° - 32° @4MP |   |              |                   | PoE (802.3af), 12 V DC 13W max. (IR LEDs on)   |                  | 0% to 90% RH, non-condensing                  |   |
| <b>IR FISHEYE CAMERA</b> |  |   |       |              |                          |            |   |                                  |   |              |                   |  |                  |   |   |
| Fixed lens<br>5MP        |  <b>HC30WF5R1</b> | 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)<br>Sub Stream: 960x960 (1-25/30fps)<br>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)<br>0% to 90% RH, non-condensing |

# 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                            |
|-----------------------|------------------|---------------------------------|----------------------------------|---------------------------------|--------|----------------------|---|---|---------------|------------------------|----------------|---|---|--|--|
| <b>IR BALL CAMERA</b> |                  |                                 |                                  |                                 |        |                      |   |   |               |                        |                |   |   |  |  |
| Fixed lens            | 2MP              | <b>HEW2PER3</b>                 | 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)<br>Sub Stream: D1 (1-25/30fps)                                    | IP66 rated  | PoE (802.3af), 12 V DC<br>4.12 W max. (IR LEDs on) | -30°C to 55°C;<br>0% to 95% RH, non-condensing |
|                       |                  | <b>HEW2PER3</b>                 | 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)<br>Sub Stream: D1 (1-25/30fps)<br>Third Stream: 720P (1-25/30fps) |   | PoE (802.3af), 12 V DC<br>5.5 W max. (IR LEDs on)  | -30°C to 60°C;<br>0% to 95% RH, non-condensing |
|                       |                  | <b>HEW4PER3</b>                 | 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)<br>Sub Stream: D1 (1-25/30fps)                                    |   | PoE (802.3af), 12 V DC<br>4.68 W max. (IR LEDs on) | -30°C to 55°C;<br>0% to 95% RH, non-condensing |
| 4MP                   | <b>HEW4PER3B</b> | 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°  |               | 50                     | H.265<br>H.264 | Main Stream: 4MP (1-25/30fps)<br>Sub Stream: D1 (1-25/30fps)<br>Third Stream: 720P (1-25/30fps) | PoE (802.3af), 12 V DC<br>4.5 W max. (IR LEDs on) | -30°C to 60°C;<br>0% to 95% RH, non-condensing     |  |
| MFZ                   | 2MP              | <b>HEW2PER2</b>                 | 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);<br>0 lux (B/W with IR LEDs on) | 108° - 30°    | MicroSDHC, up to 128GB | 50             | Main Stream: 2MP (1-25/30fps)<br>Sub Stream: D1 (1-25/30fps)                                    | PoE (802.3af), 12 V DC<br>9.5 W max. (IR LEDs on) |  | -30°C to 60°C;<br>0% to 95% RH, non-condensing |
|                       |                  | <b>HEW4PER2</b>                 | 4MP WDR TDN IR Ball camera white | S, G, Q                         | 1/3"   |                      | 4MP   | 0.3 lux, F1.4 (colour);<br>0 lux (with IR LEDs on)      | 108° - 28°    |                        | 50             | Main Stream: 4MP (1-25/30fps)<br>Sub Stream: D1 (1-25/30fps)                                    | PoE (802.3af), 12 V DC<br>4.5 W max. (IR LEDs on) |  |  |
|                       |                  | 4MP                             | <b>HEW4PER2B</b>                 | 4MP WDR TDN IR Ball camera grey |        |                      | S, G, Q   |   |               |                        |                |   |   |  |  |



Performance Series IP Cameras

CIF = 352x240/288  
VGA = 640x480 | D1 = 704x480/576  
720P = 1280x720 | 2MP = 1920x1080  
3MP = 2304x1296 | 4MP = 2688x1520  
6MP = 3072x2048 | 8MP/4K = 3840x2160

|                          | 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  |
|--------------------------|---|---|--|-------------------------------|-----------------------|--|---|---|------------------------|---|---|---|---|--|--|
| <b>IR RUGGED DOME</b>    |   |   |  |                               |                       |  |   |   |                        |   |   |   |   |  |  |
| Fixed lens<br>2MP<br>4MP |    | <b>H2W2PER3</b>   | 2 MP WDR TDN IR Micro-Dome Camera with built-in microphone     | S, G, Q                       | 1/2.8"                | 2MP  | 0.07 lux, F2.0 (colour);<br>0 lux (B/W with IR LEDs on)     | 110°  | MicroSDHC, up to 128GB | 20m<br>65ft   | H.265<br>H.264  | Main Stream: 2MP (1~50/60fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 2MP (1~25/30fps)                  | IP66 rated<br>IK10 vandal resistant               | PoE (802.3af), 12 V DC<br>5.0 W max. (IR LEDs on)  | -30°C to 60°C;<br>(-22° F ~ +140° F)<br><br>0% to 95% RH, non-condensing |
|                          |   | <b>H2W2PC1M</b>   | 2 MP WDR TDN <b>people counting</b> Camera built-in microphone | S, G, Q                       |                       |  | 0.08 lux, F2.0 (colour);<br>0.04 lux F2.0 (B/W)             | 128°  |                        | No IR LEDs  |   | Main Stream: 2MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 2MP (1~25/30fps)                  |   | PoE (802.3af), 12 V DC<br>4.5 W max.   |  |
|                          | <b>H2W4PER3</b>   | 4 MP WDR TDN IR Mini-Dome Camera with built-in microphone | S, G, Q  | 1/3"                          | 4MP                   | 0.3 lux, F2.0 (colour);<br>0 lux (B/W with IR LEDs on) | 104°  | 20m<br>65ft   |                        | Main Stream: 4MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 720P (1~25/30fps) |   | PoE (802.3af), 12 V DC<br>5.0 W max. (IR LEDs on)   |   |  |  |
| Fixed lens<br>2MP<br>4MP |    | <b>H4W2PER3</b>   | 2 MP WDR IR Rugged Mini-Dome Camera                            | S, G, Q                       | 1/2.8"                | 2MP  | 0.07 lux colour F2.0;<br>0 lux B/W with IR LEDs on @ F2.0   | 107°  | MicroSDHC, up to 128GB | 30m<br>98ft   | H.265<br>H.264  | Main Stream: 2MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)  | IP66 rated<br>IK10 vandal resistant               | PoE (802.3af), 12 V DC<br>4.6 W max. (IR LEDs on)  | -30°C to 60°C;<br>(-22° F ~ +140° F)<br><br>0% to 95% RH, non-condensing |
|                          |   | <b>H4W4PER3</b>   | 4 MP WDR TDN IR Rugged Mini-Dome Camera                        | S, Q                          | 1/3"                  |  | 4MP   | 0.01 lux, F2.0 (colour);<br>0 lux (with IR LEDs on)         |                        | 104°  |   | N/A   |   | 25m<br>82ft  |  |
| MFZ<br>2MP<br>4MP<br>8MP |    | <b>H4W2PER2</b>   | 2 MP WDR TDN IR Rugged Mini-Dome Camera                        | S, G, Q                       | 1/2.8"                | 2MP  | 0.05 lux colour @ F1.4;<br>0 lux B/W with IR LEDs on @ F1.4 | 108° - 30°  |                        | MicroSDHC, up to 128GB  |   | 30m<br>98ft   |   | H.265<br>H.264   |  |
|                          |   | <b>H4W4PER2</b>   | 4 MP WDR TDN IR Rugged Mini-Dome Camera                        | S, G, Q                       | 1/3"                  |  | 4MP   | 0.03 lux colour @ F1.4;<br>0 lux B/W with IR LEDs on @ F1.4 | 104° - 28°             |   | 45m<br>148ft  | Main Stream: 4MP (1~20fps)<br>Sub Stream: D1 (1~25/30fps)   | PoE (802.3af), 12 V DC<br>8.5 W max. (IR LEDs on) |  |  |
|                          |   | <b>H4W8PR2</b>  | 8 MP (4K) WDR TDN IR Rugged Mini-Dome Camera                   | S, G, Q                       | 1/2"                  | 8MP  | 0.09 lux (colour)/0 lux (B/W) @ F1.9<br>(with IR LEDs on)   | 113° - 50°  | 30m<br>98ft            |   | Main Stream: 4K (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps) | PoE (802.3af), 12 V DC<br>10.9 W max. (IR LEDs on)  |   |  |  |
| <b>IR BULLET</b>         |   |   |  |                               |                       |  |   |   |                        |   |   |   |   |  |  |
| Fixed lens<br>2MP<br>4MP |    | <b>HBD2PER1</b>   | 2 MP DWDR TDN IR Bullet Camera                                 | S, Q                          | 1/2.9"                | 2MP  | 0.08 lux colour @ F2.0;<br>0 lux B/W with IR LEDs on @ F2.0 | 83°   | MicroSD, up to 128GB   | 30m<br>98ft   | H.265<br>H.264  | Main Stream: 2MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps);   | IP66 rated  | PoE (802.3af), 12 V DC<br>5.03 W max. (IR LEDs on)   | -30°C to 60°C;<br>(-22° F ~ +140° F)<br><br>0% to 95% RH, non-condensing |
|                          |   | <b>HBW2PER1</b>   | 2 MP WDR TDN IR Bullet Camera                                  | S, Q                          | 1/2.8"                |  | 3.6mm fixed, F2.0   | 0.07 lux colour @ F2.0;<br>0 lux B/W with IR LEDs on @ F2.0 |                        |   |   | 88°   |   | Main Stream: 2MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)                                 |  |
|                          |   | <b>HBW4PER1</b>   | 4 MP WDR TDN IR Bullet Camera                                  | S, Q                          | 1/3"                  | 4MP  | 0.08 lux colour @ F2.0;<br>0 lux B/W with IR LEDs on @ F2.0 | 87°   |                        |   |   | -   |   | Main Stream: 4MP (1~20fps)<br>Sub Stream: D1 (1~25/30fps);                                   |  |
| Fixed lens<br>2MP<br>4MP |    | <b>HBW4PGR1</b>   | 4 MP WDR TDN IR Bullet Camera                                  | S, G, T                       | 1/3"                  | 4mm fixed, F1.6  | 0.01 lux colour @ F1.6;<br>0 lux B/W with IR LEDs on @ F1.6 | 78°   | MicroSD, up to 128GB   | 50m<br>164ft  | H.265<br>H.264  | Main Stream: 4MP (1~25/30fps)<br>Sub Stream: VGA (1~25/30fps)<br>Third Stream: 720P (1~25/30fps)                | IP66 rated  | PoE (802.3af), 12 V DC<br>5.2 W max. (IR LEDs on)  | -30°C to 60°C;<br>(-22° F ~ +140° F)<br><br>0% to 95% RH, non-condensing |
|                          |   | <b>HBW2PER2</b>   | 2 MP WDR TDN IR Bullet Camera                                  | S, G, Q                       | 1/2.8"                | 2.7 - 13.5mm, MFZ, F1.4                                | 0.05 lux, F1.4 (colour);<br>0 lux (B/W with IR LEDs on)     | 108° - 30°  |                        | 50m<br>164ft  |   | Main Stream: 2MP (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)  |   | PoE (802.3af), 12 V DC<br>9.5 W max. (IR LEDs on)  |  |
|                          |   |   | <b>HBW4PER2</b>  | 4 MP WDR TDN IR Bullet Camera | S, G, Q               | 1/3"   | 4MP   | 0.03 lux colour @ F1.4;<br>0 lux B/W with IR LEDs on @ F1.4 |                        | 104° - 28°  |   | 50m<br>164ft  |   | Main Stream: 4MP (1~20fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 720P (1~25/30fps) |  |
| Fixed lens<br>2MP        | <b>HBW8PR2</b>  | 8 MP (4K) WDR TDN IR Bullet Camera                        | S, G, Q  | 1/2"                          | 3.7 - 11mm, MFZ, F1.9 | 8MP  | 0.09 lux (colour)/0 lux (B/W) @ F1.9<br>(with IR LEDs on)   | 113° - 50°  | -                      | 60m<br>197ft  | H.265<br>H.264  | Main Stream: 4K (1~25/30fps)<br>Sub Stream: D1 (1~25/30fps)   | IP66 rated  | PoE (802.3af), 12 V DC<br>14.3 W max. (IR LEDs on)   | -30°C to 60°C;<br>(-22° F ~ +158° F)                                     |
| <b>PTZ CAMERAS</b>       |   |   |  |                               |                       |  |   |   |                        |   |   |   |   |  |  |
| MFZ - PTZ<br>2MP<br>4MP  |  | <b>HDZP252DI</b>  | 2MP IR, DWDR Indoor / Outdoor PTZ,                             | S, G                          | 1/2.8"                | 2MP  | 0.005 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)     | 59.2° - 2.4°  | MicroSD, up to 128GB   | 100m<br>328ft   | H.265<br>H.264  | Main Stream: 2MP (50/60fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 720P (1~25/30fps)                   | IP66 rated  | 12 VDC / 20W Max<br>PoE+   | -40°C to 70°C;<br>(-40° F ~ +158° F)<br><br>0% to 95% RH, non-condensing |
|                          |   | <b>HDZP304DI</b>  | 4MP IR, WDR 120dB Indoor / Outdoor PTZ,                        | S, Q                          | 1/3"                  | 4MP  | 0.05 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on)      | 60° - 2.2°  |                        |   |   | Main Stream: 4MP (1~25/30fps or 2MP (50/60fps)<br>Sub Stream: D1 (1~25/30fps)<br>Third Stream: 2MP (1~25/30fps) |   | 24VAC ± / 10% / 23W Max<br>PoE+  |  |
| <b>PIN-HOLE</b>          |   |   |  |                               |                       |  |   |   |                        |   |   |   |   |  |  |
| Fixed lens<br>2MP        |  | <b>HPW2P1</b>   | 2 MP WDR IP Pin-hole Camera                                    | S, Q                          | 1/2.7"                | 2MP  | 0.082 lux (colour)<br>0.018 lux (B/W) @ F2.4                | 108°  | -                      | No IR LEDs  | H.265<br>H.264  | Main Stream: 2MP (1 ~ 25/30fps)<br>Sub Stream: D1 (1 ~ 25/30fps);   | N/A   | 12 VDC 1.5 W max   | -30°C to 60°C;<br>(-22° F ~ +140° F)<br>0% to 95% RH, non-condensing     |

# 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

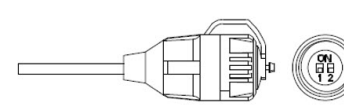
- No License fees and network maintenance required



## 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                       |  |
|--|-----------------|--|---|--|------------------------------|------------------------------|--------------|---------------------------|--|--|
|  | <b>HD30XD2</b>  | 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 |  |
|  | <b>HD41XD2</b>  | 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          |  |  |
|  | <b>HD42XD2</b>  | 2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome    | 1/2.1", 2.7 – 13.5mm, MFZ, F1.3             | 0.01 lux @ F1.4(colour), 0.014 lux (B/W with IR LEDs on) |                              | 2 IR LEDs up to 30 m (100')  | WDR (120 dB) | 12 VDC, 5.4W Max          |  |  |
|  | <b>HD273XD2</b> | 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       |  |  |
|  | <b>HD72HD4+</b> | 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 |
|  | <b>HD274HD4</b> | 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                |
|  | <b>H4D42HD8</b> | 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                       |
|--|------------------|--|--------------------------------------|---|---------------|---|--------------|-------------------|--|
|  | <b>HDZP30XD4</b> | 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 LEDES               | WDR               | POWER INFORMATION        | ADDITIONAL INFORMATION                       |  |
|--|---|---|--|---------------|------------------------------|-------------------|--------------------------|--|--|
|  <b>HB30XD2</b>  | 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 |  |
|  <b>HB41XD2</b>  |   | 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         |  |  |
|  <b>HB42XD2</b>  | 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 |                          |  |  |
|  <b>HB74HD4</b>  | 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 |
|  <b>HB276HD4</b> | 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 |  |  |
|  <b>HBD42HD8</b> | 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 LEDES                         | WDR          | POWER INFORMATION | ADDITIONAL INFORMATION                       |  |
|--|---|--|---|---------------|--|--------------|-------------------|--|--|
|  <b>HE30XD2</b>  | 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 |  |
|  <b>HE30XD2G</b> | 2 MP (HQA/ CVI, TVI, AHD, SD) IR Ball Camera Grey |  |   |               | 20 IR LEDs, up to 30 m (100')          |              |                   |  | 12 VDC, 4.2W Max   |
|  <b>HE41XD2*</b> | 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  |  |  |
|  <b>HE42XD2</b>  | 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 |
|  <b>HE42XD2G</b> |   |  |   |               |  |              |                   |  |  |
|  <b>HD30HD4</b>  | 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 LEDES  | WDR              | POWER INFORMATION         | ADDITIONAL INFORMATION                                |
|--|------------------------------------|------------------------|--|---|-----------------|------------------|---------------------------|---|
|  <b>HC2HD2*</b>     | 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 |
|  <b>HLM27V12MPD</b> |                                    | 2.7 - 12 mm F1.6       |  | PART NUMBER   |                 | DESCRIPTION      |                           |   |
|  <b>HLM5V50MPDE</b> |                                    | 5.0 - 50 mm F1.6       |  |  | <b>HBC5WT-2</b> | Mounting bracket |                           |   |


## PIR Camera

| PART NUMBER   | DESCRIPTION                 | OPTICAL (SENSOR/ LENS)    | MINIMUM ILLUMINATION                                  | ENVIRONMENTAL | SMART IR LEDES  | WDR  | POWER INFORMATION | ADDITIONAL INFORMATION                                      |
|---|-----------------------------|---------------------------|---|---------------|-----------------|------|-------------------|---|
|  <b>HB30PHD2</b> | 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 LEDES  | WDR  | POWER INFORMATION | ADDITIONAL INFORMATION         |
|---|--|---------------------------|---|---------------|-----------------|------|-------------------|--------------------------------|
|  <b>HB30THD2*</b> | 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 LEDES | WDR          | POWER INFORMATION | ADDITIONAL INFORMATION                       |
|---|--|---------------------------------|---|---------------|----------------|--------------|-------------------|--|
|  <b>HPXD2*</b> | 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 LEDES | WDR          | POWER INFORMATION | ADDITIONAL INFORMATION                        |
|---|---|--------------------------|---|------------------------|----------------|--------------|-------------------|---|
|  <b>HFD40HD4</b> | 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

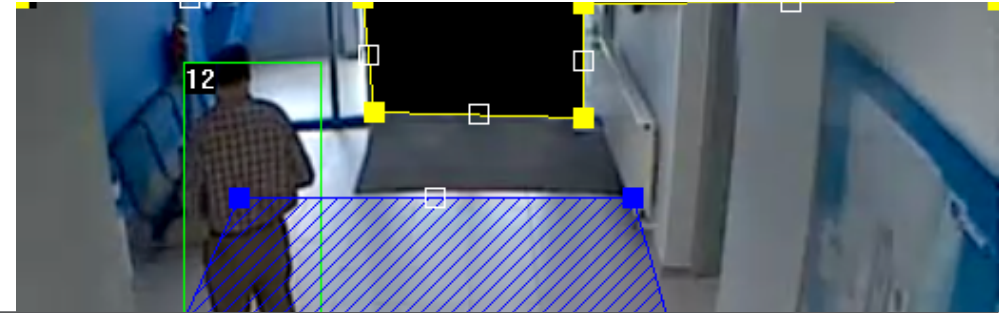
Brackets compatibility table for Performance and 30 Series Cameras



|  | # 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<br>HC30W42R3<br>HC30W45R3                       | HD30XD2, HD72HD4*                    |              | ✓ |   |   |   |   | ✓          |   |                    | ✓           | with HQA-PK       | with HQA-CB   | with HQA-WK or HQA-BB2/G           | with HQA-BB2/G                   |              |
|  |         | Ø 55mm            | HBD2PER1, HBW4PER1   | HB30PHD2<br>HB30THD2*<br>HB30XD2     |              |   |   |   | ✓ | ✓ |            |   |                    |             |                   |               | with HBS2-BB or HEJB               | with HBS2-BB or HEJB             |              |
|  |         | Ø 70mm            | HBW2PER2, HBW4PER2, HBW8PR2<br>HC30WB2R1<br>HC30WB5R1<br>HC30WB5R2 | 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<br>HC30WE2R3<br>HC30WE5R3                                 | 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<br>HE42XD2G                  |              |   |   |   |   | ✓ | ✓          |   |                    |             |                   |               | with HEJB                          | with HEJB                        |              |
|  |         | Ø 84mm            | HEW2PER2, HEW4PER2<br>HC30WE5R2                                    | -                                    | ✓            |   | ✓ |   |   | ✓ |            |   |                    | ✓           | 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<br>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                   |              |

# 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 | HBWXGRV | HCL2G / HCWXG | HCL2GV | HCW2GV | HCPB302_HEPB302W01Ax4 | HDZ302Dxx | HDZ302Llx | HEPZ302W0 | HFDxGR1 | HM4L8GR1, HM4L8GR1 | CATEGORY |  |
|--|---------|---------|----------|------------------------|---------|----------|-------------------|----------|---------|----------|---------|---------|---------------|--------|--------|-----------------------|-----------|-----------|-----------|---------|--------------------|----------|--|
| Audio detection                        | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | Cameras can be configured to detect sounds that are above a selected threshold <sup>(4)</sup> .  |
| Auto-tracking                          |         |         |          |                        |         |          |                   |          |         |          |         |         |               |        |        |                       | ✓         | ✓         | ✓         |         |                    |          | 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                         | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | 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                               |         |         |          |                        |         | ✓        |                   |          |         | ✓        |         |         | ✓             |        |        |                       |           |           |           |         |                    |          | 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                              | ✓       |         | ✓        |                        |         |          |                   | ✓        |         |          |         | ✓       |               |        | ✓      |                       |           |           |           |         |                    |          | Detects when intrusion occurs in a pre-defined area <sup>(4)</sup> .   |
| Motion detection                       | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | Cameras can be configured to detect motion in the image <sup>(4)</sup> .   |
| Object Abandoned                       | ✓       |         | ✓        |                        |         | ✓        |                   | ✓        |         | ✓        |         | ✓       |               | ✓      |        | ✓                     |           |           |           |         |                    |          | Cameras can be configured to detect any object abandoned in a predefined area beyond a set period of time <sup>(4)</sup> .                                 |
| Object Missing                         | ✓       |         | ✓        |                        |         | ✓        |                   | ✓        |         | ✓        |         | ✓       |               | ✓      |        | ✓                     |           |           |           |         |                    |          | Cameras can be configured to detect an object missing from a predefined area <sup>(4)</sup> .  |
| People counting                        |         |         |          |                        | ✓       | ✓        |                   |          | ✓       | ✓        |         |         | ✓             |        |        |                       |           |           |           |         |                    |          | Cameras can be configured to count people entering and leaving thru a predefined line <sup>(4)</sup> .   |
| Scene change                           | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | Cameras can be configured to trigger an alarm when there is a change in the scene caused by movement of the camera <sup>(4)</sup> .                        |
| SD Card full/failure                   | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | The installed microSD card is full / not working <sup>(4)</sup> .  |
| Tripwire                               | ✓       |         | ✓        |                        |         |          |                   | ✓        |         |          |         | ✓       |               |        | ✓      |                       |           |           |           |         |                    |          | Detects people, vehicles and objects crossing a predefined line in the image <sup>(4)</sup> .  |
| Video tampering                        | ✓       | ✓       | ✓        | ✓                      | ✓       | ✓        | ✓                 | ✓        | ✓       | ✓        | ✓       | ✓       | ✓             | ✓      | ✓      | ✓                     | ✓         | ✓         | ✓         | ✓       | ✓                  | ✓        | Cameras can detect when the lens is covered <sup>(4)</sup> .   |
| Intrusion Detection <sup>(1)</sup>     |         |         |          |                        |         | ✓        |                   |          | ✓       |          |         |         | ✓             |        |        |                       |           |           |           |         |                    |          | Improved detection of intrusion in a predefined area in the image <sup>(4)</sup> .   |
| Loitering Detection <sup>(1)</sup>     |         |         |          |                        |         | ✓        |                   |          | ✓       |          |         |         | ✓             |        |        |                       |           |           |           |         |                    |          | Improved detection of people loitering with in an area for a predefined period of time <sup>(4)</sup> .  |
| Trigger Line Detection <sup>(1)</sup>  |         |         |          |                        |         | ✓        |                   |          | ✓       |          |         |         | ✓             |        |        |                       |           |           |           |         |                    |          | Improved detection of people, vehicles and objects crossing a predefined line in the image <sup>(4)</sup> .  |
| Xtralis IntrusionTrace™ <sup>(2)</sup> |         |         |          | ✓                      | ✓       |          |                   | ✓        |         |          |         |         |               |        |        | ✓                     | ✓         |           | ✓         | ✓       |                    |          | Provides high performance intrusion detection using video analytics specifically designed for 24/365 low false alarms operation.                           |
| Xtralis LoiterTrace™ <sup>(2)</sup>    |         |         |          | ✓                      | ✓       |          |                   | ✓        |         |          |         |         |               |        |        |                       | ✓         |           | ✓         | ✓       |                    |          | Provides high performance Loiter detection using video analytics specifically designed for 24/365 low false alarms operation.                              |
| Xtralis VehicleTrace™ <sup>(3)</sup>   |         |         |          |                        |         |          |                   | ✓        |         |          |         |         |               |        |        |                       |           |           |           |         |                    |          | 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](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.

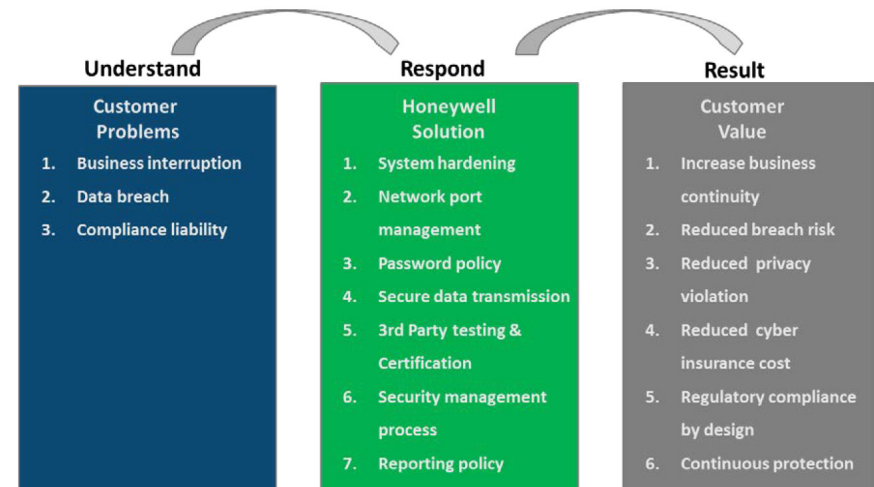
# Cybersecurity

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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