# INNOVATIVE ACCESS CONTROL, INTRUSION & VIDEO PRODUCTS

PRODUCT SHOWCASE **v16**

Honeywell

# CONTENTS


**VIDEO SURVEILLANCE SYSTEMS**

Video Management System 8-9
Network Video Recorders (NVRs) 10-13
Hosted Video Surveillance 14-15
Performance Embedded NVRs 16

Performance Hybrid DVRs 17
Software for eNVRs & DVRs 18

IP CAMERAS: EQUIP® SERIES 19-29

equIP Series mounts and brackets 30-31

IP CAMERAS: 30 SERIES 32-33
IP CAMERAS: PERFORMANCE SERIES 34-37
HIGH QUALITY ANALOGUE CAMERAS 38-41

Performance Series mounts and brackets 42-43
VIDEO ANALYTICS 44-45

**ACCESS CONTROL SYSTEMS**

ACCESS CONTROL

Stand-alone, Web-hosted Access Control 49

SOFTWARE FOR ACCESS CONTROL AND INTEGRATED SYSTEMS

WIN-PAK Software Family 50
WIN-PAK 4.7 for Galaxy 51
Integrated Access Control, Video and Intrusion 52

MANAGED ACCESS CONTROL

WIN-PAK Central Station 53

GLOBAL READERS

OmniAssure Touch 56-57
luminAXS 58-59

CARDS, READERS AND ACCESSORIES

Proximity Readers 60-61
Smart Card Readers 62-63
Smart Credentials 68-69
24 Multi Technology Readers 70-72

**INTRUDER DETECTION SYSTEMS**

COMMERCIAL AND SMALL OFFICE/HOME OFFICE INTRUDER CONTROL PANELS

Galaxy® Dimension 75-76
Galaxy User Manager – WIN-PAK for Galaxy 77
Galaxy® Grade 2 78-79



Galaxy® Flex+ 80-81

GALAXY SYSTEMS ACCESSORIES

Galaxy Accessories Compatibility 82
GX Remote Control App 83
Galaxy TouchCenter Plus 84-85
Galaxy User Interfaces 86-87
Galaxy Modules & Accessories 88-91
MAXPRO Cloud 92-93

SENSORS

Wireless Sensors 94-96
Wired Sensors 97-104

WIRED SIRENS 105
ADPRO PRO E PIR 106-107

**HIS INTEGRATORS ONLY**

PRO-WATCH

Pro-Watch Ecosystem 109
Pro-Watch® 4.3.5 Security Management 110-111

# SECURITY SYSTEMS FOR EVERY NEED...

## VIDEO SURVEILLANCE SYSTEMS 6-47

The reliability, integrity and dependability of our video systems ensure that you can meet all of your existing and future security challenges with complete confidence. Our solutions range from IP and analogue cameras and domes, and digital and network video recorders, through to intelligent video analytics and sophisticated video management systems. Our cameras provide exceptional image clarity and definition whilst our video systems allow easy migration from analogue to IP-based technology.

## ACCESS CONTROL SYSTEMS 48-73

As a leading developer of access control solutions, our range of products varies from single door access control and stand-alone web-hosted access control to integrated systems capable of managing thousands of doors and alarm monitoring points globally.

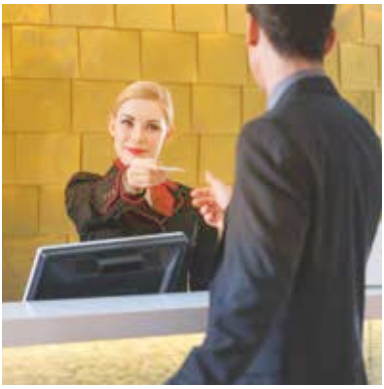
## INTRUDER DETECTION SYSTEMS 74-107

Honeywell is the pioneer of many developments in this area, our systems are built on the latest technologies and range from basic intruder alarms to fully integrated intrusion and door control installations. Our systems are entirely flexible and whether wired or wireless our hybrid solutions are suitable for every installation.

## PRO-WATCH (HIS INTEGRATORS ONLY) 109-111

Honeywell's Pro-Watch® equips organisations with the right tools to protect people, secure assets and ensure regulatory compliance by combining access control, digital video, intrusion and other functions into one powerful system.

The Pro-Watch® suite offers base software licenses that address security needs from small sites to global enterprises.



**Note:** Honeywell reserves the right, without notification, to make changes in product design or specifications.
At the time of publication, some products within this brochure are yet to be launched.
Please contact your Honeywell representative to check availability and functionality before quoting or installing any equipment listed.

# VIDEO
## SURVEILLANCE SYSTEMS

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

CONTENTS

*Solutions for Enterprises*
*Solutions for SMB*


| | |
|---|---|
| **Video Management System** | 8-9 |
| MAXPRO® VMS | |
| **Network Video Recorders (NVRs)** | |
| • MAXPRO® NVRs and MAXPRO Viewer | 10-11 |
| • ADPRO® NVRs | 12-13 |
| **Hosted Video Surveillance** | |
| MAXPRO® Cloud 2.0 | 14-15 |
| **Performance Embedded NVRs** | 16 |
| **Performance Hybrid DVRs** | 17 |
| **Software for eNVRs & DVRs** | 18 |
| **IP Cameras: equIP® Series** | 19 |
| • IR Mini-Domes & Micro-Domes | 20 |
| • Rugged IR Mini-Domes | 21 |
| • Box Cameras | 22 |
| • IR Rugged Bullet Cameras | 23 |
| • Accessories | 23 |
| • Fisheye IR Cameras | 24 |
| • Multi-Imager Cameras | 25 |
| • Hazardous environments cameras | 26-27 |
| • PTZ Cameras | 28-29 |
| **equIP Series mounts and brackets** | 30-31 |
| **IP Cameras: 30 Series** | 32 |
| • IR Rugged Dome | 32-33 |
| • IR Bullet Cameras | 32-33 |
| • IR Ball Cameras | 32-33 |
| • IR Fisheyel Camera | 32-33 |
| **IP Cameras: Performance Series** | 34 |
| • IR Ball Cameras | 34-35 |
| • IR Rugged Dome | 36-37 |
| • IR Bullet Cameras | 36-37 |
| • PTZ Cameras | 36-37 |
| **High Quality Analog(ue) Cameras** | 38 |
| • Rugged Dome | 39 |
| • PTZ Camera | 39 |
| • Bullet Camera | 40 |
| • Ball Camera | 40 |
| • Box Camera | 41 |
| • PIR Camera | 41 |
| • Temperature & Humidity Camera | 41 |
| • Pin-HoleCamera | 41 |
| • Fisheye Camera | 41 |
| **Performance and 30 Series mounts/brackets** | 42-43 |
| **Video Analytics** | 44-45 |
| **Learn more about:** | |
| • GDPR | 46 |
| • Cybersecurity | 47 |

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

*or visit:*

https://www.security.honeywell.com or
https://www.security.honeywell.com/uk

# 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.

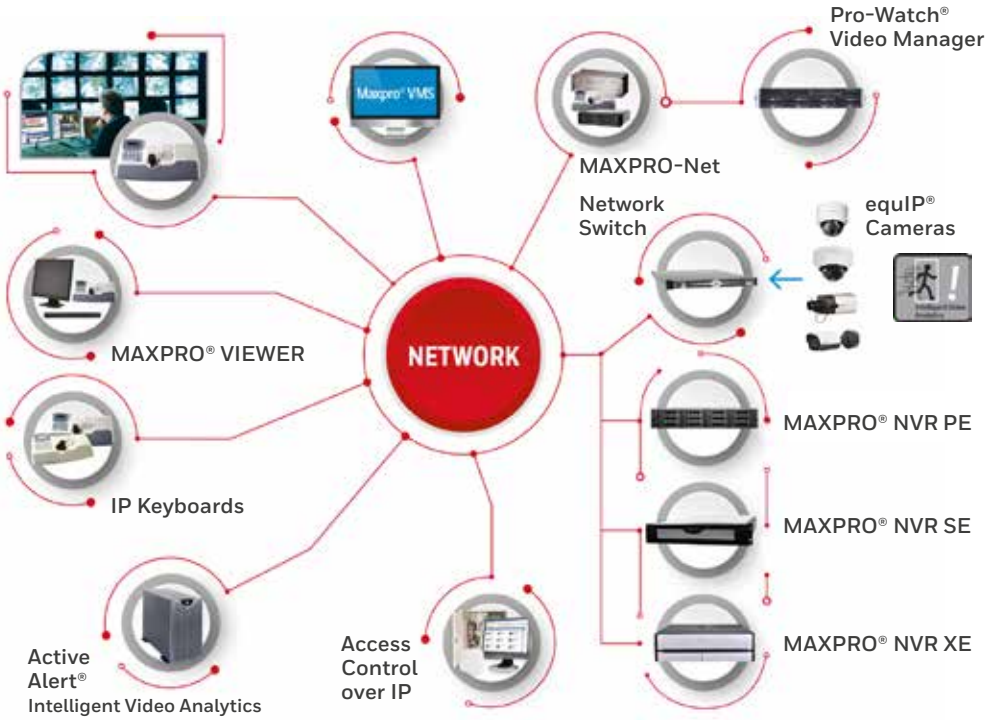
# MAXPRO® VMS

## 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 / Viewier 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

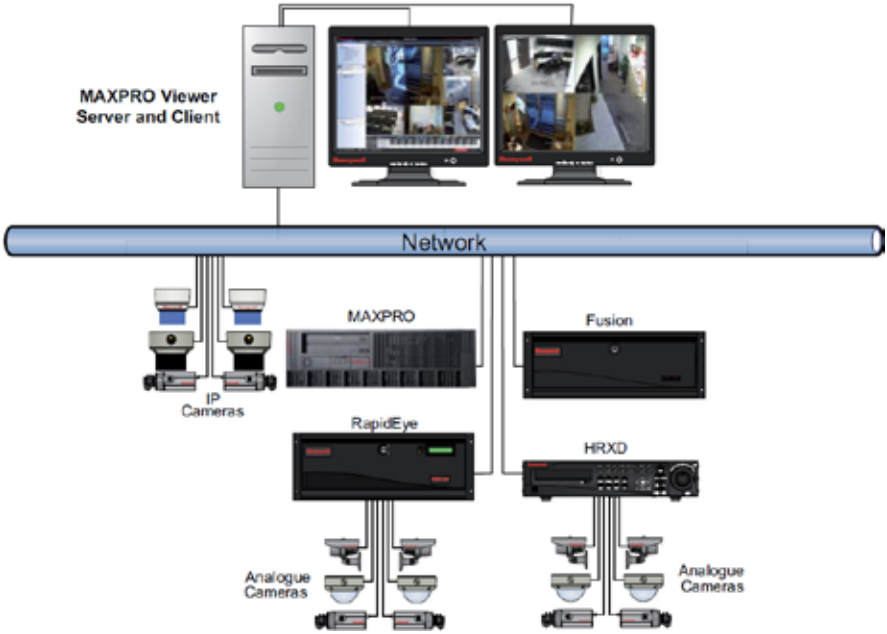
| VERSION | DESCRIPTION | IP CHANNELS (STREAMS) | COMPRESSION | STORAGE | PERFORM | POWER SUPPLY |
|---|---|---|---|---|---|---|
| MAXPRO NVR PE (Rev C) | 32/48/64/128-Channel Enterprise NVR | Up to 128 IP Channels (256 Streams) | H.265, H.264, MPEG-4, MJPEG | Up to 120TB (RAID5) or 109TB (RAID 6) | 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 NVR**
*Mobile App*
Available for iOS and Android devices

## 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† | Up to 32† | Up to 32† |
| 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 |

† Up to 32 high-definition analogue cameras over IP via Honeywell Performance Series HQA DVRs
* Via XO I/O Interface USB module
** 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.
*** 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.**

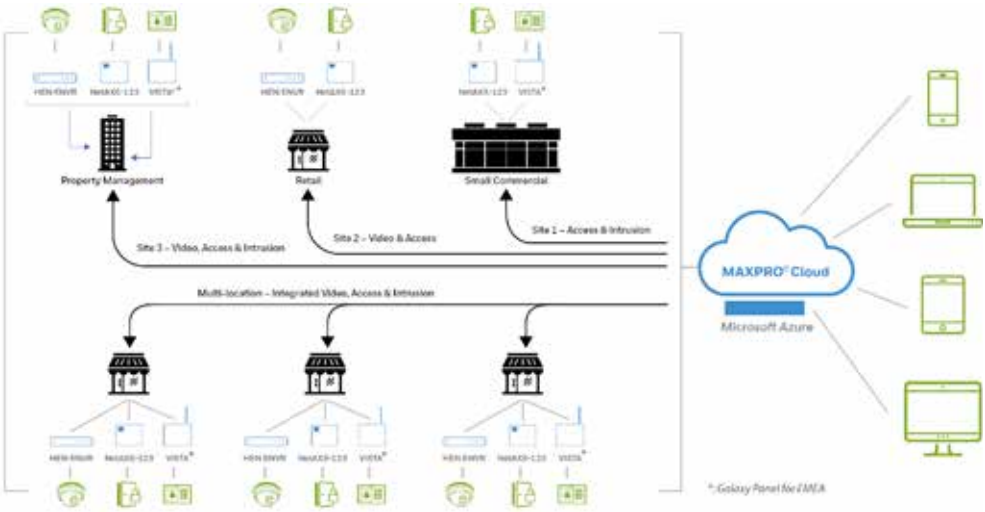
When it comes to security, cloud computing is changing how you can run your business. MAXPRO® Cloud hosted video service features the cloud-ready hybrid video appliance that lets users view live and recorded video over the Internet using a PC, Mac, tablet or Smartphone. It is ideal for entry into video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

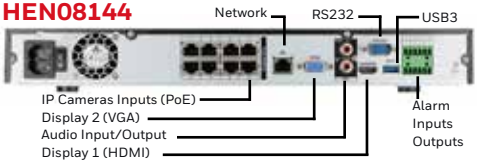
| MAXPRO CLOUD SERVICES - MONTHLY FEES | UP TO 1080P | | >1080P UP TO 5MP |
|---|---|---|---|
| For one camera without Cloud storage (free of charge) | | MPC-S000 | MPC-H000 |
| For any DVR or NVR unit management without Cloud storage | MPC-V000 | | |
| For one camera with 7-day storage | | MPC-S007 | 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 and liability cost for SMB customers.

**HEN08144**




| | | PART NUMBER | RESOLUTION | RECORDING RATE (TOT) | VIDEO OUTPUT | ALARM I/O | AUDIO I/O | PORTS / MAX TB | PoE | SATA/ eSATA | STORAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HENxxxx3 | 4 CHANNEL | HEN04103 * | 8 MP (4k) @ 1-15fps<br>6MP/5MP/ 4MP/ 3MP/ 1080p/720p ... @ 25/30fps | 120 fps (1080p) 80 Mbps | (4k) 1 HDMI 1 VGA | 4/2 | 1/1 | 1 x USB3.0, 1 x USB2.0, 1 x RS232,<br>Up to 16TB | 4 | 2/0 | no HDD |
| | | HEN04113 | | | | | | | | | 1 TB |
| | | HEN04123 | | | | | | | | | 2 TB |
| | 8 CHANNEL | HEN08103 * | | 240 fps (1080p)<br>200 Mbps | | | | | 8 | | no HDD |
| | | HEN08113 | | | | | | | | | 1 TB |
| | | HEN08123 | | | | | | | | | 2 TB |
| | | HEN08143 | | | | | | | | | 4 TB |
| | 16 CHANNEL | HEN16103 * | | 480 fps (1080p)<br>200 Mbps | | | | | 16 | | no HDD |
| | | HEN16123 | | | | | | | | | 2 TB |
| | | HEN16143 | | | | | | | | | 4 TB |
| | | HEN16163 | | | | | | | | | 6 TB |
| HENxx1xx4 | 8 CHANNEL | HEN08104 * | 12MP / 8 MP (4k) @ 1-15fps<br>6MP/5MP/ 4MP/ 3MP/ 1080p/720p ... @ 25/30fps | 240 fps | (4k) 1 HDMI, 1 VGA | 4/2 | 1/1 | 1 x USB3.0, 1 x USB2.0, 1 x RS232<br>Up to 16TB | 8 | 2/0 | no HDD |
| | | HEN08144 | | | | | | | | | 4 TB |
| | | HEN081124* | | | | | | | | | 12 TB |
| HENxx2xx4 | 16 CHANNEL | HEN16104 * | | 480 fps | | | | | 16 | | no HDD |
| | | HEN16144 | | | | | | | | | 4 TB |
| | | HEN16184 | | | | | | | | | 8 TB |
| HENxx3xx4 | | HEN16204 * | | | (4k) 2 HDMI, 1 VGA | 16/6 | | 2 x USB3.0, 1 x USB2.0, 1 x RS232 | | 4/1 | no HDD |
| | | HEN16284 | | | | | | | | | 8 TB |
| | | HEN162244 | | | | | | | | | 24 TB |
| | | HEN16304 * | | | | | | 2 x USB3.0, 2 x USB2.0, 1 x RS232 | | 8/1 | no HDD |
| | | HEN16384 | | | | | | | | | 8 TB |
| | 32 CHANNEL | HEN32104 * | | 960 fps | (4k) 1 HDMI, 1 VGA | 4/2 | | 1 x USB3.0, 1 x USB2.0, 1 x RS232 | | 2/0 | no HDD |
| | | HEN321124 | | | | | | | | | 12 TB |
| | | HEN32304 * | | | (4k) 2 HDMI, 2 VGA | 16/6 | | 2 x USB3.0, 2 x USB2.0, 1 x RS232 | | 8/1 | no HDD |
| | | HEN32384 | | | | | | | | | 8 TB |
| | | HEN323164 | | | | | | | | | 16 TB |
| | | HEN32204 * | | | | | | 2 x USB3.0, 1 x USB2.0, 1 x RS232<br>Up to 32TB | | 4/1 | no HDD |
| | | HEN32284 | | | | | | | | | 8 TB |
| | | HEN322164 | | | | | | | | | 16 TB |
| | 64 CHANNEL | HEN642104 * | | 1920 fps | | | | | | | no HDD |
| | | HEN64304 * | | | | | | 2 x USB3.0, 2 x USB2.0, 1 x RS232<br>Up to 64TB | | 8/1 | no HDD |
| | | HEN643164 | | | | | | | | | 16 TB |
| | | HEN643324 | | | | | | | | | 32 TB |
| | | HEN643484 | | | | | | | | | 48 TB |

## Embedded NVRs accessories

*: Not available in the US*

| PART NUMBER | DESCRIPTION |
|---|---|
| HENHQARC * | IR Remote Control for ENVR and HQA DVR |
| HEN48VPS4CH * | 48VDC Power Adapter for 4CH ENVR |
| HENHQA12VPS | 12VDC/5A Power Adapter for ENVR & HQA DVR |
| HENHQATRAY | eNVR & HQA DVR Rack Mount Tray for HENxxxx3 models |
| HEN4EC8 * | Storage Expansion Chassis, 8 SATA for HENxx2xx4 and HENxx3xx4 NVRs |

HonView Touch
Mobile App
Available for iOS and Android devices

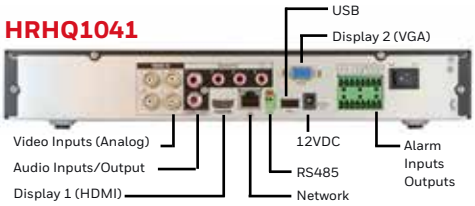
# PERFORMANCE HQA HYBRID DVRS

## 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**

**HRHQ1041**




| | | PART NUMBER | DESCRIPTION | RESOLUTION | RECORDING RATE (TOT) | VIDEO OUTPUT | ALARM I/O | AUDIO I/O | SATA PORTS | STORAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| | 4 CH | HRHT4040 * | HQA/CVBS/ IP Hybrid DVR, PAL/NTSC | **4 MP** ** @ 1-15fps, 1080p/720p/ 960H@25/30fps | **120 fps** (720p) 60 fps (1080p) 24 Mbps | 1 HDMI, 1 VGA | - | 1/1 | 1 | No HDD |
| | | HRHT4041 | | | | | | | | 1 TB |
| | | HRHT4042 | | | | | | | | 2 TB |
| | | HRHQ1040 * | HQA/TVI/ AHD/SD/IP Hybrid DVR, PAL/NTSC | **1080p** @ 1-15fps, 720p/ 960H... @ 25/30fps | | | 4/3 | 4/1 | | No HDD |
| | | HRHQ1041 | | | | | | | | 1 TB |
| | 8 CH | HRHT4080 * | HQA/CVBS/ IP Hybrid DVR, PAL/NTSC | **4 MP** ** @ 1-15fps, 1080p/720p/ 960H@25/30fps | **240 fps** (720p) 120 fps (1080p) 48 Mbps | 1 HDMI, 1 VGA | - | 1/1 | 2 | No HDD |
| | | HRHT4082 | | | | | | | | 2 TB |
| | | HRHT4084 | | | | | | | | 4 TB |
| | | HRHQ1080 * | HQA/TVI/ AHD/SD/IP Hybrid DVR, PAL/NTSC | **1080p** @ 1-15fps, 720p/ 960H... @ 25/30fps | | | 8/3 | 4/1 | | No HDD |
| | | HRHQ1081 | | | | | | | | 1 TB |
| | | HRHQ1082 | | | | | | | | 2 TB |
| | 16 CH | HRHT4160 * | HQA/CVBS/ IP Hybrid DVR, PAL/NTSC | **4 MP** ** @ 1-15fps, 1080p/720p/ 960H... @ 25/30fps | **480 fps** (720p) 240 fps (1080p) 96 Mbps | 1 HDMI, 1 VGA | - | 1/1 | 2 | No HDD |
| | | HRHT4162 | | | | | | | | 2 TB |
| | | HRHT4164 | | | | | | | | 4 TB |
| | | HRHT4166 | | | | | | | | 6 TB |
| | | HRHT41612 | | | | | | | | 12 TB |
| | | HRHQ1160 * | HQA/TVI/ AHD/SD/IP Hybrid DVR, PAL/NTSC | **1080p** @ 1-15fps, 720p/ 960H... @ 25/30fps | | | 16/3 | 4/1 | | 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 |

**HonView Touch** *Mobile App*
Available for iOS and Android devices

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

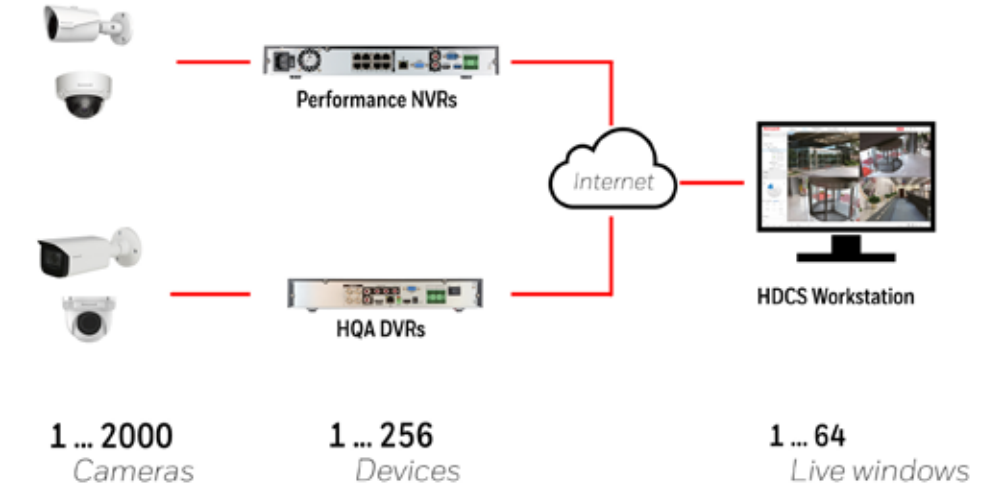
# HDCS

## 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® 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.

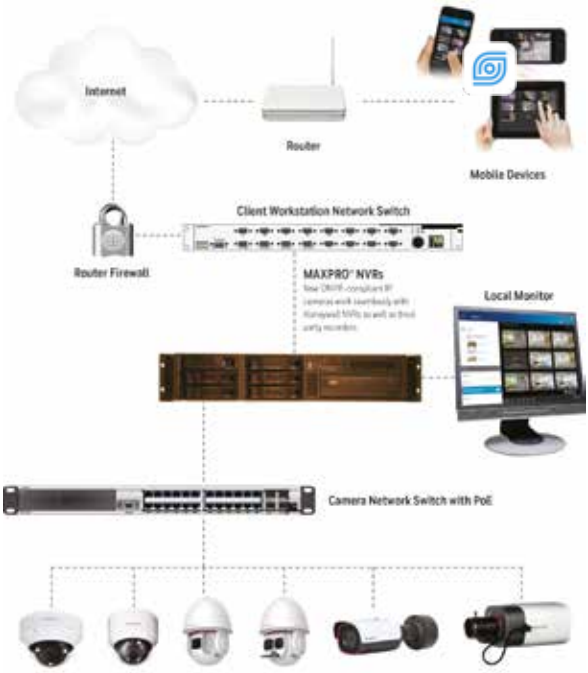
Now with intelligent video analytics at the edge on equIP models and the open Video Analytic Framework, Honeywell can deliver improved situational awareness and allow you to customize your solution utilizing additional integrations.

## 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 uninterruptible 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" | 1/3" | | 1/2.8" |
| Best Compression | H.264 | | H.265+ | 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 | F1.4 | F1.6 | F2.0 |
| Minimum Illumination | 0.01 lux | | 0.001 lux | 0.01 lux | | 0.001 lux |
| Smart IR LEDs range | 20m | | 30m | 20m | 30m | 15m |
| True WDR | 120dB | | 120dB (1) | 120dB | 120dB (1) | 120dB (1) |
| Power Input | 12VDC / 24VAC / PoE | | | | | 12VDC / PoE |
| Consumption (Max) | 9W | | 11W | 9W | 10.5W | 4.4W |
| Auxillary Power Supply Output | - | | 12VDC / 2W | - | 12VDC / 2W | - |
| PoE | PoE (Class 0) | | | | | PoE (Class 0) |
| Long distance PoE | 100m | | 300m (2) | 100m | 300m (2) | 100m |
| Temperature | -30°C +50°C | | -30°C +60°C | -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 | S, G, Q | S, G, Q |
| Audio | Built-in microphone | | | | | Built-in micro |
| Environemental | IK10 (Bubble only) | | | | | IP67/IK10 |
| In-Ceilling bracket supplied | ✓ | | | | | N/A |
| Other | | | UL CAP | | UL CAP | UL CAP |

*(1) With Smart Scene Adaptive Technology , (2): 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" | 1/2.7" | 1/3" | | 1/1.8" | 1/.7" |
| Best Compression | H.264 | H.265+ | 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 | F1.4 | | F1.6 | F1.53 | F1.53 |
| Minimum Illumination | 0.005 lux | 0.001 lux | 0.01 lux | 0.001 lux | 0.01 lux | | | 0.004 lux | 0.02 lux |
| Smart IR LEDs range | 50m | | | | | | | | 45m |
| True WDR | 140dB | 140dB (1) | 120dB | 120dB (1) | 120dB | | 120dB (1) | Digital WDR | |
| Power Input | 12VDC / 24VAC / PoE | | | | | | | | |
| Consumption (Max) | 12W | 20.5W | 12W | 22W | 12W | | 15W | 18W | |
| Auxillary Power Output | - | 12VDC-2W | - | 12VDC-2W | - | | 12VDC-2W | - | |
| PoE | Class 0 | Class 4 | Class 0 | Class 4 | Class 0 | | Class 4 | | |
| Long distance PoE | 100m | 300m (2) | 100m | 300m (2) | 100m | | 300m (2) | 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 |
| Other | | UL CAP | | UL CAP | | | UL CAP | | UL CAP |

*(1) With Smart Scene Adaptive Technology , (2): 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 separetly - 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 (1) | 120dB | 120dB (1) | 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 (2) | 100m | 300m (2) | 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 |

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

## Box Camera Lenses

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

*(**) Not compatible with HCD8G*

| | PART NUMBER | DESCRIPTION |
|---|---|---|
| | HLM5V50MPDE (**) | 6 MP, 1/2.7", F1.6, 5 – 50 mm CS Lens |
| | HLM105V42MPD | 12 MP, 1/1.7", F1.5, 10.5 – 42 mm CS Lens |
| | HLM30V120MPD | 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/.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 (1) | 120dB | 120dB (1) | 120dB | 120dB (1) | 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 (2) | 100m | 300m (2) | 100m | 300m (2) | 100m | 300m (2) | 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 |

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

# ACCESSORIES

## Long distance PoE switch

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

## IP/Coax converter

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

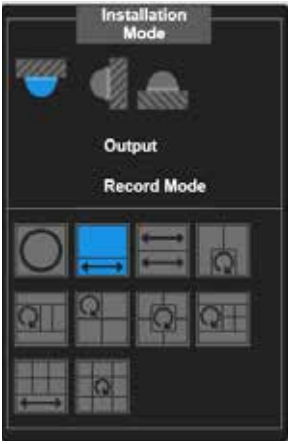
**: Not available in the US*

# EQUIP CAMERAS

## IR Fisheye IP Cameras

These fully featured attractive fisheye cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek modern design and offering the widest angle of view possible, the cameras are suited for a wide range of applications.

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



# EQUIP CAMERAS

## IR Muti-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 | |
| Auxillary Power Supply Output | N/A | |
| PoE | PoE+ (Class 4) | |
| Long distance PoE support (300m) | N/A | |
| Temperature | -40°C +60°C | |
| Video Analytics | See analytics compatibility table | |
| Onvif Profiles | S, G, Q | |
| Other | RJ45 Gigabit | |

HM4L8GR1

# EQUIP CAMERAS

## Hazardous and challenging environments cameras

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

**HCPB302 ***

**: Not available in the US*

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

**HEPB302W01Axx**

*Not available in the US, available in Canada*

| MODEL | ACCESSORIES | | |
|---|---|---|---|
| HEPWS | Washer system kit, 10 L | • | |
| HCPWM | AISI 316L stainless steel wall mount bracket | • | • |
| HCPPMA | AISI 316L stainless steel pole mount adapter | • | • |
| HCPCMA | AISI 316L stainless steel corner mount adapter | • | • |
| HCPPRM | AISI 316L stainless steel parapet mount bracket | • | |
| HCPPRMJ | AISI 316L stainless steel parapet mount joint | • | |
| HCPWK | AISI 316L Stainless Steel Wiper Kit, 24 VAC | | • |
| HCPWSK | Washer System Kit, 24 VAC | | • |

# EQUIP CAMERAS

## Explosion-proof PTZ cameras

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

| | HEPZ302W0 |
|---|---|
| Resolution | 2MP |
| Sensor | 1/2.8" |
| Best Compression | H.265 |
| Lens | 4.5–135mm MFZ |
| Angle of View (Horiz) | 62.35°–2.53° |
| Minimum Aperture | F1.6–F4.4 |
| Minimum Illumination | 0.005 lux in colour, 0.0005 lux in B&W |
| PAN/TILT | PAN 360° endless, TILT –90° to 90° |
| WDR | True WDR 120dB |
| Power Input | 24VAC |
| Consumption (Max) | 120W |
| ATEX-certified | EN60079-0; EN60079-1; EN60079-31 |
| IECEx-certified | IEC 60079-0; IEC 60079-1; IEC 60079-31 |
| Temperature | -40°C +60°C |
| Video Analytics | See analytics compatibility table |
| Onvif Profiles | S, Q |
| Housing | AISI 316L stainless steel |
| Other | Wiper |

| MODEL | ACCESSORIES |
|---|---|
| HEPZWM | Wall Mount Bracket, AISI 316L stainless steel |
| HEPZPMA | Pole Mount Adapter, AISI 316L stainless steel |
| HEPZCMA | Corner Mount Adapter, AISI 316L stainless steel |
| HEPZPRM | Parapet/Ceiling Mount Adapter, AISI 316L stainless stee |
| 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

| | 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 | |
| Environemental | IP67 | IP67 / IK10 |
| Other | Wiper | |

HDZ302LIW

# EQUIP PTZ CAMERAS

## HDZ IP PTZ Cameras

HDZ302IN-S1 / HDZ302IN-C1

HDZ302D

HDZ302DE

| | HDZ302IN-S1 | HDZ302IN-C1 | HDZ302D | HDZ302DE |
|---|---|---|---|---|
| Resolution | 2MP | | | |
| Sensor | 1/2.8" | | | |
| Best Compression | H.265 | | | |
| Lens | 4.5mm - 135mm | | | |
| Angle of View (Horiz) | 62.35° - 2.53° | | | |
| Minimum Aperture | F1.6-F4.4 | | | |
| PAN Travel | 360° endless | | | |
| TILT Travel | -20° to 90°, auto flip 180° | | 0° to 90°, auto flip 180° | |
| PRESETS | 250 | | | |
| PRESET Speed (PAN/TILT) | Up to 400°/s; / Up to 200°/s | | Up to 500°/s; / Up to 400°/s | |
| Minimum Illumination | 0.005 lux (colour)/0.0005 lux (B/W) @ F1.6 | | | |
| WDR | True WDR 120dB | | | |
| Power Input | 24 VAC / PoE+ | | | |
| Consumption : Min (Max) | 13W (13W) | | 13W (23W) | 13W (31W) |
| PoE | PoE+ (Class 4) | | | |
| Temperature | -10°C +70°C | | -40°C +60°C | -40°C +70°C |
| Video Analytics | See analytics compatibility table | | | |
| Onvif Profiles | S, G | | | |
| Environemental | IK10 (dome only) | | IP66 / IK10 | |
| Bubble type | Smoked | Clear | | |
| Other | UL CAP Certified | | | |

# EQUIP / HDZ CAMERAS MOUNTS

| | CAMERA TYPE | CAMERA MODEL/ PART #NUMBER | # HOLES | Ø | WALL MOUNTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HD4CHIP-WK2 | HD3-MK2 | HFG-WK | HDZWM1 | HDZWM2 | HDZGM |
| | Micro-dome Camera | H2W2GR1 | | Ø 91mm (28x86mm) | | | ✓ | | | |
| | INDOOR Mini-Domes | H3W2GR1V, H3W2GR2, H3W4GR1V | | | | ✓ | | | | |
| | OUTDOOR Mini-Domes | H4L2GR1V, H4W2GR1V, H4W2GR2, H4W4GR1V, H4D8GR1, H4L6GR2 | | Ø140mm | ✓ | | | | | |
| | BULLET CAMERAS | HBL2GR1V, HBW2GR1V, HBW2GR3V, HBW4GR1V, HBD8GR1, HBL6GR2 | | Ø 89mm (63x63mm) | | | | | | |
| | BOX CAMERAS | HCL2GV, HCW2GV, HCW4G, HCD8G | - | - | | | | | | |
| | INDOOR / OUTDOOR IR FISHEYE CAMERA | HFD6GR1, HFD8GR1 | | Ø130mm | | | ✓ | | | |
| | MULTI-IMAGER CAMERAS | HM4L8GR1 | - | | | | | ✓ | ✓ | |
| | | HMBL8GR1 | | Ø145mm (84x119mm) | | | | | | |
| | OUTDOOR PTZ CAMERAS | HDZ302LIW, HDZ302LIK, HDZ302DE | - | | | | | ✓ | ✓ | |
| | | HDZ302D | - | | | | | ✓ | ✓ | ✓ |
| | INDOOR PTZ CAMERAS | HDZ302DIN-C1 HDZ302DIN-S1 | - | | | | | | | |

HD4CHIP-WK2

HD3-MK2

HFG-WK

HDZWM1

HFG-PK

H4G-PK

HEPM *

HDZCM1

HDZCM2

HDZCM3

HDZJB

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

| | IN CELLING MOUNTS | | PENDENT MOUNT BRACKETS | | | | | JONCTION BOX | | POLE MOUNTS | | CORNER MOUNTS | | ADAPTER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HBC5WT-2 | HDZINPL | HD3IP-5K1** | HFG-PK | H4G-PK | HEPM* | HD4CHIP-PK2 | HDZCM1 HDZCM2 HDZCM3 | HDZJB | HBG-BB | HB4G-PM | HDZPMA | HB34G-CM | HDZCMA | HDZNPTA |
| | | | | | ✓ | | ✓ | | | | | | | |
| | | ✓ | | | | | | | | | | | | |
| | | | | ✓ | | ✓ | ✓ | | | ✓ | | ✓ | | |
| | | | | | | | | | ✓ | ✓ | | ✓ | | |
| ✓ | | | | | | | | | | | | | | |
| | | | ✓ | | | | ✓ | | | ✓ | | ✓ | | |
| | | | | | | | ✓ | with HDZWM1 HDZWM2 | | | with HDZWM1 HDZWM2 | | with HDZWM1 HDZWM2 | ✓ |
| | | | | | | | | ✓ | | | with HDZJB | | with HDZJB | |
| | | | | | | | with HDZNPTA | with HDZWM1 HDZWM2 | | | with HDZWM1 HDZWM2 | | with HDZWM1 HDZWM2 | ✓ |
| | | | | | | | with HDZNPTA | with HDZWM1 HDZWM2 HDZGM | | | with HDZWM1 HDZWM2 HDZGM | | with HDZWM1 HDZWM2 HDZGM | ✓ |
| | ✓ | | | | | | | | | | | | | |

**HDZWM2**

**HDZGM**

**HBC5WT-2**

**HDZINPL**

**HBG-BB**

**HB4G-PM**

**HDZPMA**

**HB34G-CM**

**HDZCMA**

**HDZNPTA**

# 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.

| | | PART NUMBER | DESCRIPTION | ONVIF | IMAGE SENSOR | LENS | RESOLUTION | MINIMUM ILLUMINATION |
|---|---|---|---|---|---|---|---|---|
| **IR DOME CAMERAS** | | | | | | | | |
| Fixed lens | 2MP | HC30W42R3 | 2MP WDR TDN IR Dome camera | S, G | 1/2.9" | 2.8mm fixed, F2.0 | 2MP | 0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| | 5MP | HC30W45R3 | 5MP WDR TDN IR Dome camera | | 1/2.7" | | 5MP | 0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| MFZ | 5MP | HC30W45R2 | 5MP WDR TDN MFZ IR Dome camera | | 1/2.7" | 2.8-12mm MFZ, F1.4-2.8mm | 5MP | 0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on) |
| **IR BULLET CAMERAS** | | | | | | | | |
| Fixed lens | 2MP | HC30WB2R1 | 2MP WDR TDN IR Bullet camera | S, G | 1/2.9" | 4mm fixed, F2.0 | 2MP | 0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| | 5MP | HC30WB5R1 | 5MP WDR TDN IR Bullet camera | | 1/2.7" | | 5MP | 0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| MFZ | 5MP | HC30WB5R2 | 5MP WDR TDN MFZ IR Bullet camera | | 1/2.7" | 2.8-12mm MFZ, F1.4-2.8mm | 5MP | 0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on) |
| **IR BALL CAMERAS** | | | | | | | | |
| Fixed lens | 2MP | HC30WE2R3 | 2MP WDR TDN IR Ball camera | S, G | 1/2.9" | 2.8mm fixed, F2.0 | 2MP | 0.065 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| | 5MP | HC30WE5R3 | 5MP WDR TDN IR Ball camera | | 1/2.7" | | 5MP | 0.03 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| MFZ | 5MP | HC30WE5R2 | 5MP WDR TDN MFZ IR Ball camera | | 1/2.7" | 2.8-12mm MFZ, F1.4-2.8mm | 5MP | 0.035 lux (colour)/0 lux (B/W) @ F1.4 (with IR LEDs on) |
| **IR FISHEYE CAMERA** | | | | | | | | |
| Fixed lens | 5MP | HC30WF5R1 | 5MP WDR TDN IR Fisheye camera built-in Microphone | S, G | 1/2.7" | 1.16mm fixed, F2.25 | 5MP | 0.05 lux (colour)/0 lux (B/W) @ F2.25 (with IR LEDs on) |

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 NDAA 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** = 352×240/288 **VGA** = 640×480 | **D1** = 704×480/576 **720P** = 1280×720 | **2MP** = 1920×1080 **5MP** = 2560×1920

| HORIZONTAL ANGLE OF VIEW | LOCAL STORAGE | IR DISTANCE | COMPRESSION | FRAMERATE | ENVIRON. RATINGS | POWER REQUIREMENTS | WORKING ENVIRONMENT |
|---|---|---|---|---|---|---|---|
| 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)<br>0% to 90% RH, non-condensing |
| 103° @5MP<br>108° @4MP | | | | | | PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on) | |
| 88° - 30° @5MP<br>93° - 32° @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 13W max. (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)<br>0% to 90% RH, non-condensing |
| 78° @5MP<br>82° @4MP | | | | | | PoE (802.3af), 12 VDC 6.5W max. (IR LEDs on) | |
| 88° - 30° @5MP<br>93° - 32° @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 13W max. (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)<br>0% to 90% RH, non-condensing |
| 103° @5MP<br>108° @4MP | | | | | | PoE (802.3af), 12 V DC 6.5W max. (IR LEDs on) | |
| 88° - 30° @5MP<br>93° - 32° @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 13W max. (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,

| | | PART NUMBER | DESCRIPTION | ONVIF | IMAGE SENSOR | LENS | RESOLUTION | MINIMUM ILLUMINATION |
|---|---|---|---|---|---|---|---|---|
| **IR BALL CAMERA** | | | | | | | | |
| Fixed lens | 2MP | | HED2PER3 | 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) |
| | | | HEW2PER3 | 2MP WDR TDN IR Ball camera white | S, G, Q | 1/2.8" | 2.8mm fixed, F1.6 | 2MP | 0.06 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on) |
| | 4MP | | HEW4PER3 | 4MP WDR TDN IR Ball camera | S, Q | 1/3" | 2.8mm fixed, F2.0 | 4MP | 0.08 lux (colour)/0 lux (B/W) @ F2.0 (with IR LEDs on) |
| | | | HEW4PER3B | 4MP WDR TDN IR Ball camera grey | S, G, Q | | 2.8mm fixed, F1.6 | 4MP | 0.4 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on) |
| MFZ | 2MP | | HEW2PER2 | 2MP WDR TDN IR Ball camera white | S, G, Q | 1/2.8" | 2.7-13.5mm MFZ, F1.4 | 2MP | 0.05 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on) |
| | 4MP | | HEW4PER2 | 4MP WDR TDN IR Ball camera **white** | S, G, Q | 1/3" | | 4MP | 0.3 lux, F1.4 (colour); 0 lux (with IR LEDs on) |
| | | | HEW4PER2B | 4MP WDR TDN IR Ball camera **grey** | S, G, Q | | | | |

Q and T our IP network cameras offer superb 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** = 352×240/288 **VGA** = 640×480 | **D1** = 704×480/576 **720P** = 1280×720 | **2MP** = 1920 x 1080 **3MP** = 2304×1296 | **4MP** = 2688 x 1520 **6MP** = 3072 x 2048 | **8MP/4K** = 3840 x 2160

| HORIZONTAL ANGLE OF VIEW | LOCAL STORAGE | IR DISTANCE (M) | COMPRESSION | FRAMERATE | ENVIRON. RATINGS | POWER REQUIREMENTS | WORKING ENVIRONMENT |
|---|---|---|---|---|---|---|---|
| 83° | N/A | 25 | H.265 H.264 | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps | IP66 rated | PoE (802.3af), 12 V DC 4.12 W max. (IR LEDs on) | –30°C to 55°C; 0% to 95% RH, non-condensing |
| 110° | MicroSDHC, up to 128GB | 30 | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps Third Stream: 720P (1~25/30fps | | PoE (802.3af), 12 V DC 5.5 W max. (IR LEDs on) | –30°C to 60°C; 0% to 95% RH, non-condensing |
| 87° | N/A | 25 | | Main Stream: 4MP (1~25/30fps Sub Stream: D1(1~25/30fps | | PoE (802.3af), 12 V DC 4.68 W max. (IR LEDs on) | –30°C to 55°C; 0% to 95% RH, non-condensing |
| 104° | MicroSDHC, up to 128GB | 50 | | Main Stream: 4MP (1~25/30fps Sub Stream: D1(1~25/30fps Third Stream: 720P (1~25/30fps | | PoE (802.3af), 12 V DC 4,5 W max. (IR LEDs on) | –30°C to 60°C; 0% to 95% RH, non-condensing |
| 108° - 30° | | 50 | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps | | PoE (802.3af), 12 V DC 9.5 W max. (IR LEDs on) | |
| 108° - 28° | | 50 | | Main Stream: 4MP (1~25/30fps Sub Stream: D1(1~25/30fps | | PoE (802.3af), 12 V DC 4.5 W max. (IR LEDs on) | |

# VIDEO SURVEILLANCE SYSTEMS

## Performance Series IP Cameras

| | | PART NUMBER | DESCRIPTION | ONVIF | IMAGE SENSOR | LENS | RESOLUTION | MINIMUM ILLUMINATION |
|---|---|---|---|---|---|---|---|---|
| **IR RUGGED DOME** | | | | | | | | |
| Fixed lens | 2MP | H2W2PER3 | 2 MP WDR TDN IR Micro-Dome Camera with built-in microphone | S, G, Q | 1/2.8" | 2.8mm fixed, F2.0 | 2MP | 0.07 lux, F2.0 (colour); 0 lux (B/W with IR LEDs on) |
| | | H2W2PC1M | 2 MP WDR TDN **people counting** Camera built-in microphone | S, G, Q | | 2.1mm fixed, F2.0 | | 0.08 lux, F2.0 (colour); 0.04 lux F2.0 (B/W) |
| | 4MP | H2W4PER3 | 4 MP WDR TDN IR Mini-Dome Camera with built-in microphone | S, G, Q | 1/3" | | 4MP | 0.3 lux, F2.0 (colour); 0 lux (B/W with IR LEDs on) |
| | 2MP | H4W2PER3 | 2 MP WDR IR Rugged Mini Dome Camera | S, G, Q | 1/2.8" | 2.8mm fixed, F2.0 | 2MP | 0.07 lux colour F2.0; 0 lux B/W with IR LEDs on @ F2.0 |
| | 4MP | H4W4PER3 | 4 MP WDR TDN IR Rugged Mini-Dome Camera | S, Q | 1/3" | | 4MP | 0.01 lux, F2.0 (colour); 0 lux (with IR LEDs on) |
| MFZ | 2MP | H4W2PER2 | 2 MP WDR TDN IR Rugged Mini-Dome Camera | S, G, Q | 1/2.8" | 2.7 – 13.5mm, MFZ, F1.4 | 2MP | 0.05 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4 |
| | 4MP | H4W4PER2 | 4 MP WDR TDN IR Rugged Mini-Dome Camera | S, G, Q | 1/3" | | 4MP | 0.03 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4 |
| | 8MP | H4W8PR2 | 8 MP (4K) WDR TDN IR Rugged Mini-Dome Camera | S, G, Q | 1/2" | 3.7 – 11mm, MFZ, F1.9 | 8MP | 0.09 lux (colour)/0 lux (B/W) @ F1.9 (with IR LEDs on) |
| **IR BULLET** | | | | | | | | |
| Fixed lens | 2MP | HBD2PER1 | 2 MP DWDR TDN IR Bullet Camera | S, Q | 1/2.9" | 3.6mm fixed, F2.0 | 2MP | 0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0 |
| | | HBW2PER1 | 2 MP WDR TDN IR Bullet Camera | S, Q | 1/2.8" | | | 0.07 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0 |
| | 4MP | HBW4PER1 | 4 MP WDR TDN IR Bullet Camera | S, Q | 1/3" | | 4MP | 0.08 lux colour @ F2.0; 0 lux B/W with IR LEDs on @ F2.0 |
| | | HBW4PGR1 | 4 MP WDR TDN IR Bullet Camera | S, G, T | 1/3" | 4mm fixed, F1.6 | | 0.01 lux colour @ F1.6; 0 lux B/W with IR LEDs on @ F1.6 |
| MFZ | 2MP | HBW2PER2 | 2 MP WDR TDN IR Bullet Camera | S, G, Q | 1/2.8" | 2.7 – 13.5mm, MFZ, F1.4 | 2MP | 0.05 lux, F1.4 (colour); 0 lux (B/W with IR LEDs on) |
| | 4MP | HBW4PER2 | 4 MP WDR TDN IR Bullet Camera | S, G, Q | 1/3" | | 4MP | 0.03 lux colour @ F1.4; 0 lux B/W with IR LEDs on @ F1.4 |
| | 8MP | HBW8PR2 | 8 MP (4K) WDR TDN IR Bullet Camera | S, G, Q | 1/2" | 3.7 – 11mm, MFZ, F1.9 | 8MP | 0.09 lux (colour)/0 lux (B/W) @ F1.9 (with IR LEDs on) |
| **PTZ CAMERAS** | | | | | | | | |
| MFZ - PTZ | 2MP | HDZP252DI | 2MP IR, DWDR Indoor / Outdoor PTZ, | S, G | 1/2.8" | 4.8–120mm, MFZ, F1.6–F4.4 | 2MP | 0.005 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on) |
| | 4MP | HDZP304DI | 4MP IR, WDR 120dB Indoor / Outdoor PTZ, | S, Q | 1/3" | 4.5–135mm, MFZ, F1.6–F4.4 | 4MP | 0.05 lux (colour)/0 lux (B/W) @ F1.6 (with IR LEDs on) |
| **PIN-HOLE** | | | | | | | | |
| Fixed lens | 2MP | HPW2P1 | 2 MP WDR IP Pin-hole Camera | S, Q | 1/2.7" | 2.8mm fixed F2.4 | 2MP | 0.082 lux (colour) 0.018 lux (B/W) @ F2.4 |

**CIF** = 352×240/288 **VGA** = 640×480 | **D1** = 704×480/576 **720P** = 1280×720 | **2MP** = 1920 x 1080 **3MP** = 2304×1296 | **4MP** = 2688 x 1520 **6MP** = 3072 x 2048 | **8MP/4K** = 3840 x 2160

| HOR. ANGLE OF VIEW | LOCAL STORAGE | IR DISTANCE | COMPRESSION | FRAMERATE | ENVIRON. RATINGS | POWER REQUIREMENTS | ENVIRONMENT |
|---|---|---|---|---|---|---|---|
| 110° | MicroSDHC, up to 128GB | 20m 65ft | H.265 H.264 | Main Stream: 2MP (1~50/60fps Sub Stream: D1 (1~25/30fps Third Stream: 2MP (1~25/30fps | IP66 rated IK10 vandal resistant | PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on) | −30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing |
| 128° | | No IR LEDs | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps Third Stream: 2MP (1~25/30fps | | PoE (802.3af), 12 V DC 4.5 W max. | |
| 104° | | 20m 65ft | | Main Stream: 4MP (1~25/30fps Sub Stream: D1 (1~25/30fps Third Stream: 720P (1~25/30fps | | PoE (802.3af), 12 V DC 5.0 W max. (IR LEDs on) | |
| 107° | | 30m 98ft | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps | | PoE (802.3af), 12 V DC 4.6 W max. (IR LEDs on) | |
| 104° | N/A | 25m 82ft | | Main Stream: 4MP (1~20fps Sub Stream: D1 (1~25/30fps) | | PoE (802.3af), 12 V DC 4.7 W max. (IR LEDs on) | |
| 108°–30° | MicroSDHC, up to 128GB | 30m 98ft | | Main Stream: 2MP : 1~25/30fps Sub Stream: D1 : 1~25/30fps | | PoE (802.3af), 12 V DC 9 W max. (IR LEDs on) | |
| 104°–28° | | 45m 148ft | | Main Stream: 4MP (1~20fps Sub Stream: D1 (1~25/30fps) | | PoE (802.3af), 12 V DC 8.5 W max. (IR LEDs on) | |
| 113° - 50° | | 30m 98ft | | Main Stream: 4K (1~25/30fps) Sub Stream: D1(1~25/30fps) | | PoE (802.3af), 12 V DC 10.9 W max. (IR LEDs on) | |
| 83° | - | 30m 98ft | H.265 H.264 | Main Stream: 2MP : 1~25/30fps Sub Stream: D1 : 1~25/30fps; | IP66 rated | PoE (802.3af), 12 V DC 5.03 W max. (IR LEDs on) | −30°C to 60°C; (-22° F ~ +140° F) 0% to 95% RH, non-condensing |
| 88° | - | | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps | | PoE (802.3af), 12 V DC 5.2 W max. (IR LEDs on) | |
| 87° | - | | | Main Stream: 4MP (1~20fps Sub Stream: D1 (1~25/30fps; | | PoE (802.3af), 12 V DC 5.7 W max. (IR LEDs on) | |
| 78° | - MicroSD, up to 128GB | 50m 164ft | | Main Stream: 4MP (1~25/30fps Sub Stream: VGA (1~25/30fps Third Stream: 720P (1~25/30fps | | PoE (802.3af), 12 V DC 5.2 W max. (IR LEDs on) | |
| 108° - 30° | | 50m 164ft | | Main Stream: 2MP (1~25/30fps Sub Stream: D1 (1~25/30fps | | PoE (802.3af), 12 V DC 9.5 W max. (IR LEDs on) | |
| 104°–28° | | 50m 164ft | | Main Stream: 4MP (1~20fps Sub Stream: D1 (1~25/30fps Third Stream: 720P (1~25/30fps | | PoE (802.3af), 12 V DC 11.74 W max. (IR LEDs on) | |
| 113° - 50° | | 60m 197ft | | Main Stream: 4K (1~25/30fps) Sub Stream: D1(1~25/30fps) | | PoE (802.3af), 12 V DC 14.3 W max. (IR LEDs on) | |
| 59.2° – 2.4° | MicroSD, up to 128GB | 100m 328ft | H.265 H.264 | Main Stream: 2MP (50/60fps) Sub Stream: D1 (1~25/30fps Third Stream: 720P (1~25/30fps | IP66 rated | 12 VDC / 20W Max PoE+ | −40°C to 70°C; (-40° F ~ +158° F) 0% to 95% RH, non-condensing |
| 60° - 2.2° | | | | Main Stream: 4MP (1~25/30fps or 2MP (50/60fps) Sub Stream: D1 (1~25/30fps Third Stream: 2MP (1~25/30fps | | 24VAC ± / 10% / 23W Max PoE+ | |
| 108° | - | No IR LEDs | H.265 H.264 | Main Stream: 2MP (1 ~ 25/30fps) Sub Stream: D1 (1 ~ 25/30fps); | N/A | 12 VDC 1.5 W max | −30°C to 60°C; (-22° F ~ +140° F) 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 |
|---|---|---|---|---|---|---|---|---|---|
| | HD30XD2 | 2 MP (HQA, TVI, AHD, SD) IR Mini Dome | 1/2.9", 3.6mm fixed, F2.0 | 0.02 lux @ F2.0(colour), 0 lux (B/W with IR LEDs on) | IP66, IK10 vandal resistant, | 12 IR LEDs up to 30 m (100') | DWDR | 12 VDC, 2.6W Max | 1-channel BNC CVI/TVI/AHD/ CVBS video output |
| | HD41XD2 | | 1/2.9", 2.7 – 13.5mm, vari-focal lens, F1.4 | | | 2 IR LEDs up to 30 m (100') | | 12 VDC, 3.4W Max | |
| | HD42XD2 | 2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome | 1/2.1", 2.7 – 13.5mm, MFZ, F1.3 | 0.02 lux @ F1.3(colour), 0 lux (B/W with IR LEDs on) | | 2 IR LEDs up to 30 m (100') | WDR (120 dB) | 12 VDC, 5.4W Max | |
| | HD273XD2 | 2 MP (HQA, TVI, AHD, SD) WDR IR Mini Dome | 1/2.9", 2.8 – 12mm, VF, F1.4 | 0.01 lux @ F1.4(colour), 0.014 lux (B/W with IR LEDs on) | | 24 IR LEDs up to 30 m (100') | DWDR | 12 VDC, 24 VAC 5.6W | |
| | HD72HD4* | 4 MP HQA WDR IR Mini Dome | 1/3", 2.8mm fixed, F1.5 | 0.01 lux @ F1.5(colour), 0 lux (B/W with IR LEDs on) | | 12 IR LEDs up to 30 m (100') | | 12 VDC, 4.4W Max | 1-channel BNC high definition video output and 1-channel BNC CVBS video output |
| | HD274HD4 | | 1/3", 2.7-12mm MFZ, F1.3 | 0.01 lux @ F1.3 (colour), 0 lux (B/W with IR LEDs on) | | 2 IR LEDs up to 30 m (100') | WDR (120 dB) | 12 VDC, 24 VAC, 10.1W Max | |
| | H4D42HD8 | 8 MP HQA/ CVI, TVI, AHD, SD WDR IR Mini Dome | 1/2", 3.7-11mm MFZ, F1.5 | 0.01 lux @ F1.5 (colour), 0 lux (B/W with IR LEDs on) | | 2 IR LEDs up to 30 m (100') | | 12 VDC, 24 VAC, 8.4W Max | 1-channel BNC CVI/TVI/AHD/ CVBS video output |

## PTZ Camera

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

*: Not available in the US*

# HIGH QUALITY ANALOGUE CAMERAS

## Bullet Camera

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

## Ball Camera

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

## Box Camera

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

| | PART NUMBER | DESCRIPTION |
|---|---|---|
| | HBC5WT-2 | Mounting bracket |

## PIR Camera

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

## Temperature & Humidity Camera

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

## Pin-hole Camera

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

## Fisheye Camera

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

*: Not available in the US*

## Brackets compatibility table

***for Performance and 30 Series Cameras***

| | # HOLES | D | IP | HQA | JUNCTION BOX | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HQA-BB1 | HQA-BB2<br>HQA-BB2G | HQA-BB3<br>HQA-BB3G | HQA-BB4 | HQA-BB5 | HBS2-BB |
| | | Ø 110mm | H4W2PER2,<br>H4W4PER2,<br>H4W8PR2 | H4D42HD8,<br>HD274HD4,<br>HD41XD2,<br>HD42XD2 | | ✓<br>HQA-BB2 | | ✓ | | |
| | | | HC30W45R2 | | | | | | | |
| | | Ø 98mm | H4W2PER3,<br>H4W4PER3<br>HC30W42R3<br>HC30W45R3 | HD30XD2,<br>HD72HD4 * | | ✓<br>HQA-BB2 | | | | |
| | | Ø 55mm | HBD2PER1,<br>HBW4PER1 | HB30PHD2<br>HB30THD2 *<br>HB30XD2 | | | | | | ✓ |
| | | Ø 70mm | HBW2PER2<br>HBW4PER2<br>HBW8PR2<br>HC30WB2R1<br>HC30WB5R1<br>HC30WB5R2 | HB276HD4,<br>HB41XD2<br>HB42XD2<br>HBD42HD8 | | | | | | ✓ |
| | | Ø 69mm | | HB74HD4 | ✓ | | | | | |
| | | Ø 88.5mm | HBW4PGR1 | | | | | | ✓ | |
| | | Ø 69mm | HEW2PER3<br>HC30WE2R3<br>HC30WE5R3 | HD30HD4,<br>HE30XD2 | ✓ | | ✓<br>HQA-BB3 | | | |
| | | Ø 69mm | HEW2PER3B | HE30XD2G | ✓ | | ✓<br>HQA-BB3G | | | |
| | | Ø 84mm | - | HE41XD2 * | | | | | | |
| | | Ø 68mm | HED2PER3,<br>HEW4PER3 | - | ✓ | | | | | |
| | | Ø 84mm | - | HE42XD2<br>HE42XD2G | | | | | | |
| | | Ø 84mm | HEW2PER2,<br>HEW4PER2<br>HC30WE5R2 | - | | ✓<br>HQA-BB2 | | ✓ | | ✓ |
| | | Ø 84mm | HEW4PER2B | - | | ✓<br>HQA-BB2G | | | | ✓ |
| | | Ø 98mm | HFD5PR1 | HFD40HD4 | | ✓ | | | | |
| | | Ø 98mm<br>Ø 110mm | HC30WF5R1 | | ✓ | ✓ | | ✓ | | |
| | | Ø 91mm | H2W2PER3,<br>H2W4PER3<br>H2W2PC1M | - | | | ✓<br>HQA-BB3 | | | |

*: Not available in the US

| HEJB | HQA-WK<br>HQA-WKB | HQA-WK2<br>HQA-WK2G | HQA-IC | HQA-RS | HQA-PK | HQA-CB | HQA-CBE | HQA-PM2<br>HQA-PM2B | HB34S2-CM<br>HB34S2-CMB |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | WALL MOUNT | | IN-CEILING BRACKET | RAIN SHIELD | PENDANT MOUNT CAP | CEILING MOUNT | 780 MM EXTEND | POLE MOUNT | CORNER MOUNT |
| | ✓ HQA-WK | | ✓ | ✓ | ✓ | with HQA-PK | with HQA-CB | with HQA-WK, HQA-BB2/G or HQA-BB4 | with HQA-BB2/G or HQA-BB4 |
| | ✓ HQA-WK | | | ✓ | ✓ | with HQA-PK | with HQA-CB | with HQA-WK or HQA-BB2/G | with HQA-BB2/G |
| ✓ | | | | | | | | with HBS2-BB or HEJB | with HBS2-BB or HEJB |
| | | | | | | | | with HBS2-BB | with HBS2-BB |
| | | | | | | | | with HQA-BB1 | with HQA-BB1 |
| | | | | | | | | | |
| | | ✓ HQA-WK2 | | | ✓ | with HQA-PK | with HQA-CB | with HQA-BB1, HQA-WK2 or HQA-BB3 | with HQA-BB1 or HQA-BB3 |
| | | ✓ HQA-WK2G | | | ✓ | with HQA-PK | with HQA-CB | with HQA-BB1, HQA-WK2G or HQA-BB3G | with HQA-BB1 or HQA-BB3G |
| | | ✓ HQA-WK2 | | | | | | | |
| | | ✓ HQA-WK2 | | | ✓ | with HQA-PK | with HQA-CB | with HQA-WK2/G or HQA-BB1 | with HQA-BB1 |
| ✓ | ✓ HQA-WK<br>✓ HQA-WKB | | | | | | | with HEJB | with HEJB |
| ✓ | ✓ HQA-WK | | | ✓ | ✓ | with HQA-PK | with HQA-CB | with HQA-WK, HQA-BB2 or HBS2-BB | with HQA-BB2 or HBS2-BB |
| ✓ | ✓ HQA-WKB | | | ✓ | ✓ | with HQA-PK | with HQA-CB | with HQA-WK, HQA-BB2G or HBS2-BB | with HQA-BB2G or HBS2-BB |
| | ✓ HQA-WK | | | | ✓ | with HQA-PK | with HQA-CB | with HQA-WK or HQA-BB2/G | with HQA-BB2/G |
| | | | | | ✓ | with HQA-PK | with HQA-CB | with HQA-BB1, HQA-BB2 or HQA-BB4 | with HQA-BB1, HQA-BB2 or HQA-BB4 |
| | | ✓ HQA-WK2 | | | ✓ | with HQA-PK | with HQA-CB | with HQA-WK2/G or HQA-BB3/G | with HQA-BB3/G |

# VIDEO ANALYTICS

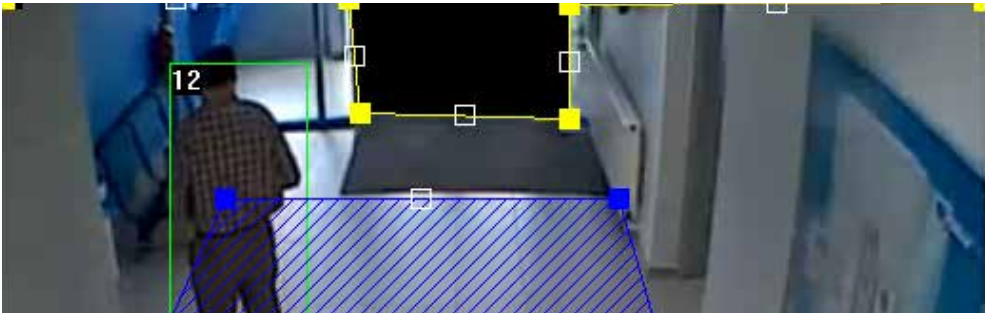
Today's security market demands highly sophisticated technologies, and Honeywell's innovative analytics solutions deliver the required functionality to solve customer problems. Honeywell's analytic capabilities increase security, reduce shrinkage, enhance customer service and increase operational efficiencies. 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 | HBWxGRxV | HCL2G / HCWxG | HCL2GV | HCW2GV | HCPB302, HEPB302W01Ax4 | HDZ302Dxx | HDZ302Lix | HEPZ302W0 | HFDxGR1 | HM4L8GR1, HMBL8GR1 | CATEGORY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Audio detection | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | ✔ | | ✔ | ✔ | |
| Auto-tracking | | | | | | | | | | | | | | | | | ✔ | ✔ | ✔ | | | |
| Face detection | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | |
| Heat Map | | | | | | ✔ | | | | ✔ | | | | ✔ | | | | | | | | |
| Intrusion | ✔ | | ✔ | | | | | ✔ | | | | ✔ | | | ✔ | | | | | | | |
| Motion detection | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |
| Object Abandoned | ✔ | | ✔ | | | ✔ | | ✔ | | ✔ | | ✔ | | ✔ | ✔ | | | | | | | |
| Object Missing | ✔ | | ✔ | | | ✔ | | ✔ | | ✔ | | ✔ | | ✔ | ✔ | | | | | | | |
| People counting | | | | | ✔ | ✔ | | | ✔ | ✔ | | | | ✔ | | | | | | | | |
| Scene change | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | ✔ | | ✔ | ✔ | |
| SD Card full/failure | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | | ✔ | ✔ | | ✔ | ✔ | |
| Tripwire | ✔ | | ✔ | | | | | ✔ | | | | ✔ | | | ✔ | | | | | | | |
| Video tampering | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |
| Intrusion Detection (1) | | | | | | ✔ | | | | ✔ | | | | ✔ | | | | | | | | |
| Loitering Detection (1) | | | | | | ✔ | | | | ✔ | | | | ✔ | | | | | | | | |
| Trigger Line Detection (1) | | | | | | ✔ | | | | ✔ | | | | ✔ | | | | | | | | |
| Xtralis IntrusionTrace™ (2) | | | | ✔ | ✔ | | | | ✔ | | | | | | | ✔ | ✔ | | ✔ | ✔ | | |
| Xtralis LoiterTrace™ (2) | | | | ✔ | ✔ | | | | ✔ | | | | | | | | ✔ | | ✔ | ✔ | | |
| Xtralis VehicleTrace™ (3) | | | | | | | | | ✔ | | | | | | | | | | | | | |

(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




CATEGORY

BUILT-IN VIDEO ANALYTICS (free of charge)

UPLOADABLE VIDEO ANALYTICS - BASIC (free of charge)

UPLOADABLE VIDEO ANALYTICS - ADVANCED (licence required)

| |
|---|
| Cameras can be configured to detect sounds that are above a selected threshold (4). |
| PTZ cameras can be configured to detect people or vehicles in the image and can follow the movement of the detected object automatically. |
| Detects a human face moving towards it, triggering a response. The camera can only detect a face looking directly into the camera, not side views. |
| It represents people motion traffic density in a specific area within a time period, using colors to display different densities of frequent traffic flow. |
| Detects when intrusion occurs in a pre-defined area (4). |
| Cameras can be configured to detect motion in the image (4). |
| Cameras can be configured to detect any object abandoned in a predefined area beyond a set period of time (4). |
| Cameras can be configured to detect an object missing from a predefined area (4). |
| Cameras can be configured to count people entering and leaving thru a predefined line (4). |
| Cameras can be configured to trigger an alarm when there is a change in the scene caused by movement of the camera (4). |
| The installed microSD card is full / not working (4). |
| Detects people, vehicles and objects crossing a predefined line in the image (4). |
| Cameras can detect when the lens is covered (4). |
| Improved detection of intrusion in a predefined area in the image (4). |
| Improved detection of people loitering with in an area for a predefined period of time (4). |
| Improved detection of people, vehicles and objects crossing a predefined line in the image (4). |
| Provides high performance intrusion detection using video analytics specifically designed for 24/365 low false alarms operation. |
| Provides high performance Loiter detection using video analytics specifically designed for 24/365 low false alarms operation. |
| Detects and captures the image of license/number plate of a vehicle, convert the image into characters, then generate an event for MAXPRO NVR/VMS |

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

### • How does Honeywell secure customer data?

Honeywell has always been committed to securing our customers' data. Accordingly, the requirement in Article 32 GDPR to take steps to ensure the security of the data we process is not new, and we are continuously evolving to keep pace with changing technologies and cyber security threats. Honeywell keeps our customers' data secure by enforcing policies and procedures outlined in regulatory requirements and by implementing industry best practices and critical control frameworks, including NIST SP 800-171 and ISO 27001. Obligations include topics such as access management, asset and change management, data protection, vulnerability management, incident response, responsible disclosure, and business continuity and physical security. Applications and products are developed and implemented in accordance with these control obligations and Honeywell's secure software development lifecycle. Honeywell employs a defense-in-depth strategy, including several levels and types of protection and monitoring technologies to protect the confidentiality and integrity of customer data. Honeywell IT and security controls undergo regular testing from internal and external assessments and audits. Honeywell maintains the Cyber Essentials Scheme certification.

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

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

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

As a global Company, we operate in 1,250 sites in 70 countries. Our global scope is a key competitive advantage. Therefore, our data management practices reflect our strategic goals. Many of our customers ask what steps we take to transfer personal data outside the EU. Aligned with many other organizations, we rely on the EU Model Clauses for this purpose (available at: **https://ec.europa.eu/info/strategy/justice-and-fundamental-rights/data-protection/data-transfers-outside-eu/model-contracts-transfer-personal-data-third-countries_en**). The EU Model Clauses are a legal instrument designed by the European Commission to ensure that personal data is treated in compliance with European data privacy laws – even after it has left the EU. Honeywell enters into the EU Model Clauses with its group companies, suppliers, and other third parties outside the EU to ensure the legality of its international data transfers. Some of our customers are concerned that the GDPR prohibits transfers of personal data outside the EU. This is incorrect. In fact, the preamble to the GDPR expressly recognizes that "*Flows of personal data to and from countries outside the Union are necessary for the expansion of international trade and international cooperation.*" Chapter V GDPR confirms the continued validity of the EU Model Clauses, while introducing several new and innovative mechanisms that organizations can use to facilitate international data transfers. We intend to continue using the EU Model Clauses as its preferred means of transferring personal data outside the EU.

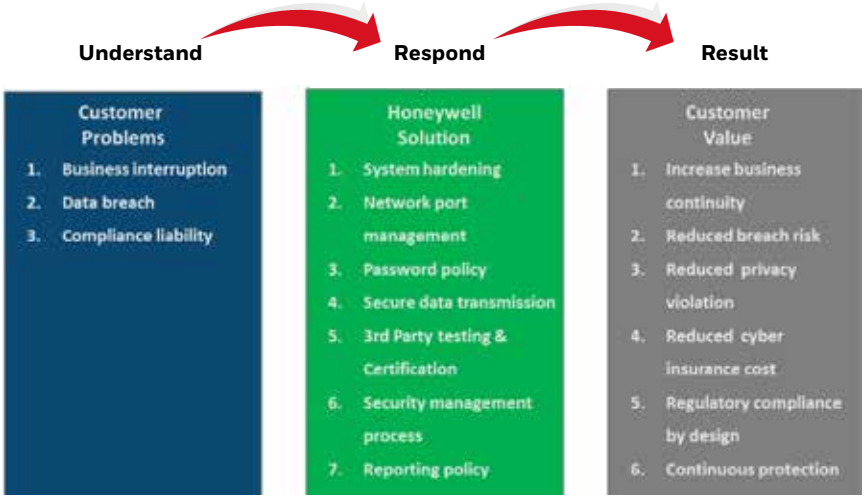
# CYBERSECURITY

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

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

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

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



# ACCESS
## CONTROL SYSTEMS

As a leading developer of access control solutions, our range of products varies from single door access control and stand-alone web-hosted access control to integrated systems capable of managing thousands of doors and alarm monitoring points globally.

CONTENTS


| | |
|---|---|
| **Stand-alone, Web-hosted Access Control**<br>NetAXS®-123<br>NetAXS-4 | 49 |
| **Software for Access Control and Integrated Systems**<br>WIN-PAK Software Family<br>WIN-PAK 4.7 For Galaxy<br>Integrated Access Control, Video and Intrusion | 50-52 |
| **Managed Access Control**<br>WIN-PAK Central Station | 53 |
| **WINMAG PLUS V06**<br>Alarm Management System | 54-55 |
| **Global Readers**<br>OmniAssure Touch<br>luminaxs and credentials | 56-59 |
| **Proximity Readers**<br>OmniProx™ Proximity Readers<br>HID® Prox Compatible Cards | 60-61 |
| **Smart Card Readers & Smart Credentials**<br>Omniassure™ 2.0 XS Smart Card Readers<br>Omniassure 2.0 XS Multismart Readers<br>20 Smart Card Readers | 62-69 |
| **Multi Technology Readers**<br>OmniAssure Multi Technology Credentials<br>OmniClass 2.0 Multi Technology Readers | 70-72 |
| **HL Series** | 73 |

**Scan for more information about access control systems**

http://www.security.honeywell.com/uk/products/access/

# STAND-ALONE, WEB-HOSTED
## ACCESS CONTROL

NetAXS® is a fully featured, compact stand-alone access control solution that can be easily installed and managed via a web browser without the need to be connected to a network or the internet.

The NetAXS-123 is applicable in small access solutions for 1, 2 or 3 doors or in medium solutions connecting multiple panels via TCP/IP Ethernet (EVL) or RS485. The NetAXS family also includes a 4 door controller version which seamlessly integrates with Honeywell's WIN-PAK software to enable more sophisticated installations. You can manage NetAXS-123 using the embedded browser, MAXPRO Cloud's secure cloud infrastructure, or WIN-PAK®'s integrated security suite.

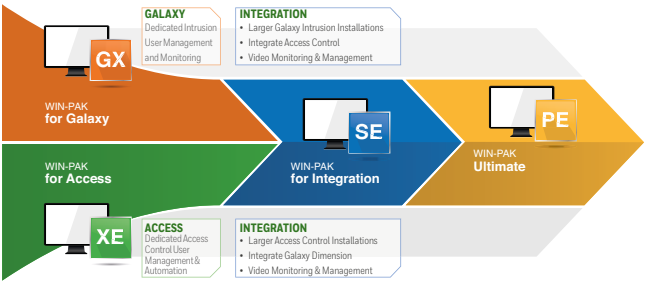
**Access control has never been this easy.**

### NetAXS-123

### NetAXS-4

| PART NUMBER | NUMBER OF DOORS | NUMBER OF READERS | ENCLOSURE | POWER SUPPLY / BATTERY | DIMENSIONS |
|---|---|---|---|---|---|
| NX1P | 1 | 2 readers (in/out) using readers with hold wires | Plastic | External 12V / 3A PSU or Power over Ethernet | 19.5 x 19.5 x 5.8 cm |
| NX2P | 2 | 4 readers (in/out) using readers with hold wires | | External 12V / 3A PSU | |
| NX1MPS | 1 | 2 readers (in/out) using readers with hold wires | Metal | Internal 12V / 4A PSU with 12V / 7AH battery for controller and locks | 35.6 x 30.5 x 12.7 cm |
| NX2MPS | 2 | 4 readers (in/out) using readers with hold wires | | | |
| NX3MPS | 3 | 6 readers (in/out) using readers with hold wires | | | |
| NXD1 | Expansion from 1 to 2 | 2 additional readers (in/out) using readers with hold wires | ⊗ | Requires external power when used in plastic enclosure | Mountable in plastic and metal housing |
| NXD2 | Expansion from 1 to 3 | 4 additional readers (in/out) using readers with hold wires | | Uses internal power from metal enclosure | Mountable in metal housing only |
| NX4S1E | 4 | 4 readers | Metal | Internal transformer with 12V / 7AH battery for controller | 45.7 x 36.8 x 11.2 cm |

# WIN-PAK SOFTWARE FAMILY




The WIN-PAK range comprises four editions to meet all security needs. Designed to evolve to meet changing business needs, WIN-PAK for Access (XE) provides a cost-effective access control only solution. The new WIN-PAK for Galaxy edition (GX) provides easy user management for Galaxy Dimension intruder alarm panels. WIN-PAK for Access and WIN-PAK for Galaxy can be easily expanded into integrated security solutions with WIN-PAK for Integration (SE) or WIN-PAK Ultimate (PE). Integrators also benefit from a single software solution for all of their customers security needs.

## WIN-PAK Software Suite

The WIN-PAK software range is compatible with Windows 10, Windows 8, 2016 server and is qualified for VMWare

## WIN-PAK for Access (XE)

Access Control Software
- Web interface for access control
- Functionality through a single work station
- Easily expandable to other editions

| PART NUMBER | DESCRIPTION |
|---|---|
| WPX47 | WIN-PAK SINGLE USER LICENSE |

## WIN-PAK Ultimate (PE)

Access Control Software combining access control, advanced video and intrusion functions into one integrated solution
- Unrestricted number of users
- Galaxy intrusion support
- Advanced video support
- Up to 50 accounts for a multi-tenant application

| PART NUMBER | DESCRIPTION |
|---|---|
| WPP47G | WIN-PAK PROFESSIONAL LICENSE |

## WIN-PAK for Integration (SE)

Access Control Software ideal for small to medium integrated security applications.
Software for five users and advanced video
- Web interface for access control
- Galaxy intrusion module support

| PART NUMBER | DESCRIPTION |
|---|---|
| WPS47G | WIN-PAK FIVE USER LICENSE WITH INTRUSION AND ADVANCED VIDEO |

## WIN-PAK PE API
### (Application Programming Interface)

Access Control based integration interface
- Compatible with third party, multi brand platforms
- Compatibility with Human Resources and other administrative systems
- Compatible from WIN-PAK XE 4.7, SE 4.7 and PE 4.7, build 1050.10 onwards
- Control and monitor access control hardware and devices from host platform

| PART NUMBER | DESCRIPTION |
|---|---|
| SRVWPPAPI | WIN-PAK API DEVELOPER SUPPORT (NDA REQUIRED) |

# WIN-PAK 4.7 FOR GALAXY®

Honeywell's WIN-PAK 4.7 software solution provides a cost-effective way to integrate and manage access control, video surveillance and intrusion detection through a single interface.

Building upon WIN-PAK's legendary and robust workstation-based management system, WINPAK 4.7 provides an intuitive browser-based interface allowing users to perform common access control actions from virtually anywhere.

WIN-PAK 4.7 can be easily scaled from a single site up to a multi-region, enterprise level solution without placing restrictions on the number of users or sites being managed.

WIN-PAK 4.7 supports third party integrations such as HID's Mobile Access®, BioConnect® Suprema® and Morpho biometrics, pointof- sale systems, visitor management, and HR applications. Using WIN-PAK's API your software developers can create custom integrations to meet your integration needs

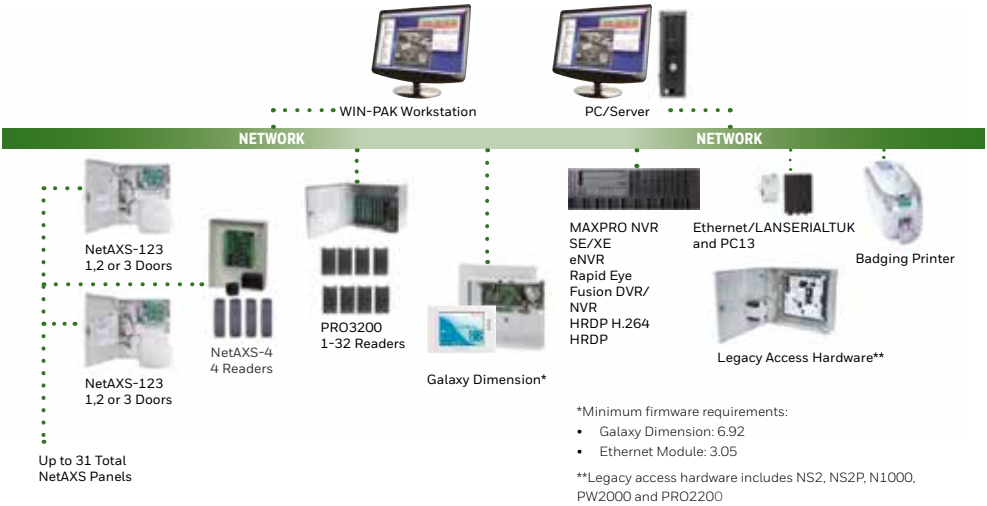
## WIN-PAK 4.7

| PART NUMBER | DESCRIPTION |
|---|---|
| WPG47 | WIN-PAK GX 4.7 for Galaxy |
| WPX47 | WIN-PAK XE 4.7 for Access |
| WPS47G | WIN-PAK SE 4.7 for Integration mount reader |
| WPP47G | WIN-PAK PE 4.7 Ultimate |
| **UPGRADES FROM WIN-PAK GX 4.7FORM FACTOR** | |
| OM55BHONDT | Upgrade from WPG47 to WPS47G |
| UG45P47G | Upgrade from WPG47 to WPP47G |

# INTEGRATED ACCESS CONTROL
## VIDEO AND INTRUSION

### Integrated Access Control, Video and Intrusion

WIN-PAK SE/PE Release 4 with Galaxy integration brings together Honeywell's WIN-PAK access control system and the leading Honeywell Digital and Network Video Recorders using the enhanced Trinity video platform. The ability to integrate these technologies from one manufacturer now makes it easier for major enhancements to be made to existing systems or to significantly improve the operation of new security systems.




*Minimum firmware requirements:
- Galaxy Dimension: 6.92
- Ethernet Module: 3.05

**Legacy access hardware includes NS2, NS2P, N1000, PW2000 and PRO2200

### Access Control Features

- Fully featured access control system, unrestricted licence to control up to 30,000 doors
- Complement WIN-PAK with PRO3200, PRO2200, NetAXS-4 and NetAXS-123 access control hardware.

### Key Integration Benefits

- Save time and money by managing three separate systems with one easy-to-use software interface
- Reduce employee down-time by only requiring training on one system
- Expand to meet current and future needs. Start with access and add video or intrusion later as requirements change
- Support of MAXPRO NVR XE/SE and eNVR in addition to Fusion NVR/DVR , RapidEye DVR, and HRDP 'Performance Series' DVRs
- WIN-PAK SE/PE software interface allows users to retrieve and play back video associated with intrusion and access control alarms
- Advanced video provides automated PTZ control of up to 4 (PTZ) cameras upon incoming alarms
- Automated reporting allows users to send up-to-date reports on intrusion and access events hourly, daily, weekly or monthly
- Align WIN-PAK SE/PE with Galaxy integration and with existing system needs for an added level of security
- Increase security by using a unique card to disarm a Galaxy intrusion system and grant access at the door

# MANAGED ACCESS CONTROL

WIN-PAK Central Station remotely managed access control provides a cost effective, easy-to-manage security solution for businesses and recurring revenue stream opportunities for security installers.

The system allows end users to use their access control worry free whilst the security installer spends more effective time on maintenance and support.

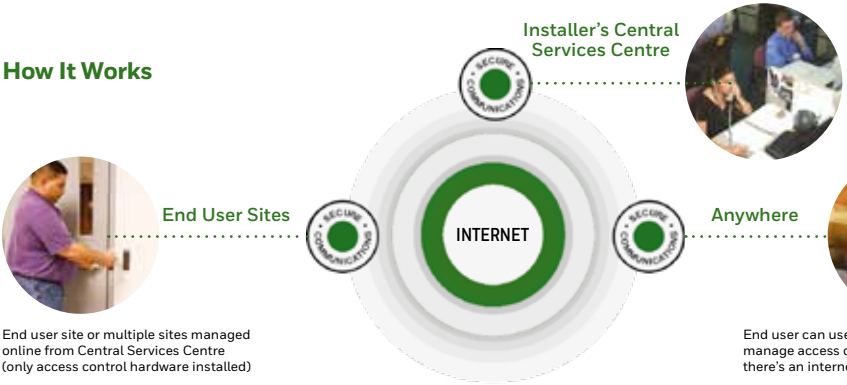
### Key Benefits

- Provide cloud applications for your access control customers
- Reduce bid costs, win more business
- Reduce installation training and service costs
- Provide value-added services that keep customers longer
- Help prevent competition from targeting your customers
- End users can manage their own system via a web browser

## WIN-PAK Central Station

Managed Access Control Software for multiple end user installations including Web Browser functionality for end user's Monitoring, Control, Management and Reporting.

### How It Works




End user site or multiple sites managed online from Central Services Centre (only access control hardware installed)

End user can use web browser to manage access control from anywhere there's an internet connection

# WINMAG PLUS V06
## ALARM MANAGEMENT SYSTEM

### Alarm management system with new design

WINMAG PLUS is a PC based management system, a technology specifically designed to meet high security, integration, workflows for integrators and end users.

WINMAG plus manages and controls the following applications under one common interface:

- Intrusion
- Fire
- Video
- Access control
- Rescue route technology
- Escape door control
- Building management systems
- Public address and Voice evacuation
- Open Technology such as OPC ans BACNET
- HTML, AutoCAD

WINMAG plus V06 sets new standards in functionality, flexibility and quality. The large installed base around the globe demonstrates its outstanding quality and high customer satisfaction.

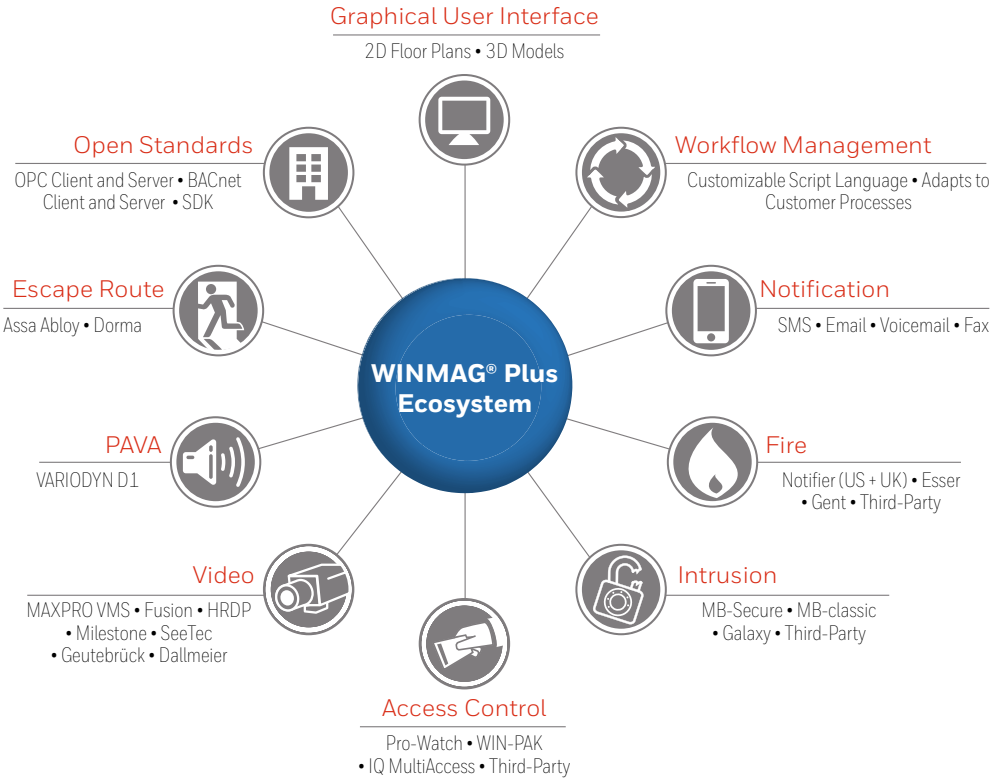
### Advantages at a glance

Comprehensive building security through the integration of various sub-systems. The merging of all security sub-systems permits the immediate evaluation of an alarm situation, and predefined interaction between all the necessary measures. The unique performance features of WINMAG plus mean that you are in control. Combining intuitive system operation with advanced visualisation of emergency situations, WINMAG plus delivers a management system in which all workflows interact seamlessly via all sub-systems.

- Visualisation and active control of alarm components in intrusion and fire detection technology, access control and video technology, as well as control systems for escape route systems and emergency exits via a standard user interface
- Integration of voice alarm activation
- Building visualisation in 3D with the support of camera tracking through the building
- Import of AutoCAD graphics and 3D models
- Detector points are integrated in the 3D view
- Control of the camera angle permits a realistic assessment of the situation
- Multi-monitor operation
- Integrated via 150 interfaces
- Better integration of Honeywell video and fire detection systems
- Simplified preparation of action sequences via the script language SIAS
- Use of external tools, for instance Word, via user- configurable names and icons
- Hybrid operation permits independent control of individual locations
- Integration with visitor administration, video analysis, perimeter and guard control systems
- Configurable logging for optimum evaluation of all events via a web browser
- OPC add-ons
- New module for notification with delivery via e-mail, SMS and voice messages
- New pay-as-you-go licensing offers bespoke licensing of the scope of performance actually used, as well as ease of upgrading and conversion

# WINMAG PLUS: A SYSTEM FOR ALL EVENTUALITIES

WINMAG plus adapts to the circumstances of the building, the requirements of the property as well as the respective security requirements. In high-value private residences as well as in company-wide buildings, even if multiple sites are to be centrally monitored.



# OMNIASSURE™ TOUCH

## Mobile Ready Multi-Technology Readers

OmniAssure Touch™ from Honeywell is a powerful range of access control readers that support highfrequency 13.56 MHz smart credentials, multiple low-frequency prox credential technologies as well as mobile credentials via 2.4 GHz BLE.

OmniAssure Touch is available in mullion and wall switch sizes both with and without keypad for installations requiring two-factor authentication. Providing a powerful platform for not only migrating legacy prox, OmniAssure Touch also supports a wide variety of panel communication protocols including Wiegand, Clock-and-Data, TTL, RS-485 and OSDP Secure Channel Protocol (SCP).

With integrations to Honeywell's integrated security suites including WINMAG, WIN-PAK and Pro- Watch, OmniAssure Touch provides a comprehensive solution that helps deliver next generation technology in an easy to deploy and manage platform.

The integrations mean no third-party web portals to navigate when deploying mobile credentials, simply provision credentials directly from the software's badging section similar to a physical credential.

OmniAssure Touch readers are field configurable via mobile app for changing individual reader settings such as panel communication mode, credential support, and customizing LED and buzzer settings meaning no more configuration cards as well as no more complicated part numbering and ordering process. Pick a form factor, keypad option, housing color and which credential technologies that need to be supported and that's it. Simple. Adaptable. Secure.

## Key Features & Benefits

- **Ultra Secure**
  End-to-end encryption using the latest cryptography standards of DESFire EV2 and OSDP Secure Channel Protocol (SCP)
- PKI and certifi cate based mobile credentials ensure mobile, BLE-based credentials are protected and secure
- Multi-factor authentication with capacitive touch keypad to suit multiple applications available on all form factors
- **Comprehensive Solution**
  Save time deploying mobile credentials directly through Honeywell's WINMAG, WIN-PAK and Pro-Watch integrated security suites
- Real-time revocation of mobile credentials via over-the-air (OTA) updates with Honeywell's Vector Occupant App
- Utilize Honeywell's Vector Occupant App for indoor wayfinding, one-click temperature feedback and real-time space ratings*
- **Exceptional Adaptability**
  User friendly mobile credentials eliminate the hassle of presenting a phone to the reader to gain access
- Upgrade friendly allows for easily migrating legacy prox to smart and mobile technologies
- Maximum flexibility with ISO14443-compliant credentials and readers that are interoperable with third-party devices and compatible with Wiegand and RS-485 cabling

## OmniAssure™ Touch, Mobile Ready Multi-TechnologyReaders

| POWER SUPPLY (ALL MODELS): | | | | 7.0 V TO 18 V DC (12 V RECOMMENDED) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | WATTS | | mA | | | | | |
| | | | | | | AT 7 V DC | | AT 12 V DC | | AT 18 V DC | |
| | PART NUMBER | DESCRIPTION: | MAX READ RANGE: | AVG | PEAK | AVG | PEAK | AVG | PEAK | AVG | PEAK |
| | OT3300BHONG | OmniAssure Touch MultiTech Mullion 0k | 2.5" / 63 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT3312BHONG | OmniAssure Touch MultiTech Mullion 12k | 2.5" / 63 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT4800BHONG* | OmniAssure Touch MultiTech Square 0k | 2.5" / 63 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT4816BHONG* | OmniAssure Touch MultiTech Square 16k | 2.5" / 63 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT3200BHONG | OmniAssure Touch SmartTech Mullion 0k | 3.0" / 76 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT3212BHONG | OmniAssure Touch SmartTech Mullion 12k | 3.0" / 76 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |
| | OT4700BHONG* | OmniAssure Touch SmartTech Square 0k | 3.0" / 76 mm | 3* | 3.85 | 0.43* | 0.55* | 0.25* | 0.32* | 0.17* | 0.21* |
| | OT4716BHONG* | OmniAssure Touch SmartTech Square 16k | 3.0" / 76 mm | 3 | 3.85 | 0.43 | 0.55 | 0.25 | 0.32 | 0.17 | 0.21 |

*Not available in US, CAN, or LATAM

# GLOBAL READERS
## LUMINAXS AND CREDENTIALS

Touchless reader with 2, 16 or without keys The “luminAXS” reader is suitable for access control systems and for arming and disarming intruder systems. The narrow, flat and rugged housing allows the reader meet modern architectural design requirements. Readers with the illuminated ring can be programmed according to the customer‘s requirements.

The readers are available with a wiegand interface to ensure that a wide range of applications are possible.

### LED displays/ light ring

The colours of the light ring (green, yellow and red) are controlled by the panel during normal operation. However,this can be customised using the optional Configuration Tool.

In addition, the keypad backlight and integrated buzzer provide the user with clear feedback during operation.

### Interfaces

The luminAXS series readers can be easily integrated with Honeywell access control and intrusion detection systems via the standard wiegand interface.

### Mounting Frames

The readers are supplied with a mounting frame, meaning that the reader can be mounted quickly and simply, without a European gangbox.

### Optinal accesories

The functional housing is supplemented by the optional visual cover and a wall plate for surface mounting

Option visual cover

# LUMINAXS

| SPECIFICATIONS | |
|---|---|
| Rated operating voltage | +12 V DC |
| Rated operating voltage range | 9 to 15 V DC |
| Power consumption (stand by) Mifare | <40mA |
| Interface | Wiegand |
| Reading technology | MIFARE DESFire EV1/EV2, MIFARE Classic |
| Type of protection EN 60529 | IP65 |
| Environmental class as per VdS | III |
| Operating temperature | -25 °C to +65 °C |
| Storage temperature | -30 °C to +70 °C |
| Reading distance | ≥ 3 cm with ID card EV2<br>≥ 1,5 cm with Key ring EV2 |
| Dimensions reader (W x H x D) | 80,4 x 80,4 x 13,5 mm |
| Dimensions wallplate (W x H x D) | 80,4 x 80,4 x 6 mm |
| Dimensions visual cover (W x H x D) | 95 x 89,2 x 50 mm |
| Colour | graphitegray (similar to RAL 7024) |

| ORDER INFORMATION PRODUCTS | |
|---|---|
| **PART NUMBER** | **DESCRIPTION** |
| **LU4500BHONA** | luminAXS MifareD wiegand reader |
| **LU4516BHONA** | luminAXS MifareD 16key wiegand reader |
| **LU4502BHONA** | luminAXS MifareD 2key wiegand reader |
| **LU45BHONA** | luminAXS MifareD wiegand reader no LR |

| ORDER INFORMATION ACCESSORY | |
|---|---|
| **LU45BB** | luminAXS wall plate for surface mounting |
| **LU45COV** | luminAXS visual cover |
| **LU45USBCONF** | Configuration tool usb |
| **LU45SCR** | Cap, screw cover, set, luminAXS |

| ORDER INFORMATION CREDENTIALS | |
|---|---|
| **ODPEV28N38** | Mifare DesFEV2 8k Card 38bit-OmniAss&lum |
| **ODKEV28N38** | Mifare DesFEV2 8k Key 38bit-OmniAss&lum |

# PROXIMITY READERS

OmniProx is a range of 125 kHz HID and EM4102 compatible proximity readers.

The OmniProx credentials are available in 125 kHz HID Prox only. All OmniProx readers (except the OP90 and OP95) include three bezels: black, charcoal grey and ivory and are suitable for both indoor and outdoor applications.

For locations that require a proximity reader able to withstand vandal-prone environments, the OP90 and OP95 (with Keypad) vandal resistant readers come standard in a zinc die-cast metal housing.

# PROXIMITY READERS

## OmniProx Proximity Readers

All readers have Wiegand output for use with Honeywell access panels and intrusion door control modules.

| | PART NUMBER | FORM FACTOR | MAX READ RANGE* | COLOUR | CONNECTION | COMPATIBLE CREDENTIALS | TAMPER | HOLD WIRE |
|---|---|---|---|---|---|---|---|---|
| | OP10HONS | Mini Mount reader | 7.6 cm | Black, grey and ivory coloured bezels<br>With embossed Honeywell logo | Pigtail | 125kHz HID Prox compatible and EM4102 technology | Optical | Available suitable for IN / OUT reader in NetAXS-123 |
| | OP30HONS | Mullion mount reader | 8.9 cm | Black, grey and ivory coloured bezels<br>With embossed Honeywell logo | | | | |
| | OP40HONS | US single-gang back box compatible reader | 10.2 cm | Black, grey and ivory coloured bezels<br>With embossed Honeywell logo | | | | |
| | OP45HONS | UK / EU single-gang back box compatible square reader | 8.9 cm | Black, grey and ivory coloured bezels<br>With embossed Honeywell logo | | | | |
| | OP90HONS | Vandal resistant wall mount reader | 5.1 cm | Zinc- diecast metal<br>With embossed Honeywell logo | | | | |
| | OP95HONS | Vandal resistant wall mount keypad reader | 3.5 cm | Zinc- diecast metal<br>With embossed Honeywell logo | | | | |

* Maximum read range is affected by environmental conditions, surface the reader is mounted on and credential form factor.

## OmniProx and HID Prox Compatible Cards

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | OHP0N34 | PVC credit card size card | ✓ | White | HID Prox compatible technology, no memory available | According to your requirements on site code and card number range | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | OmniProx readers<br>OmniClass 2.0 Multi Technology readers<br>OmniAssure Multi Technology readers |
| | OHP0N26 | | | | | | 26 bit | | |
| | OHP0M34 | PVC credit card size card with unprogrammed magnetic stripe | | | | | 34 bit | | |
| | OHP0M26 | | | | | | 26 bit | | |
|  | OHC0V34 | Clamshell card with slot punch | ✗ | | | | 34 bit | | |
| | OHC0V26 | | | | | | 26 bit | | |
| | PXKEY3H | Key fob | | Grey and Black | | | 34 bit | | |
| | PXKEY3H26 | | | | | | 26 bit | | |

# OMNIASSURE™ 2.0 XS
## SMART READERS

The Honeywell OmniAssure 2.0 XS Smart readers provides a flexible range of access control readers for reading high frequency 13.56 MHz credentials. Honeywell OmniAssure 2.0 XS readers come with and without PIN keypad, with software controlled interface for Wiegand, Clock and Data, TTL and RS485. The field programmable capabilities future proof your investment.

### Technologies

Honeywell OmniAssure 2.0 XS MultiSmart readers support:

- Modbus RTU y Modbus IP
- Permite la configuración de los parámetros de red NFC: Peer-to-peer and support for passive credentials and devices.

### Multi-Credential Capabilities

The Honeywell OmniAssure 2.0 XS Smart reader can be configured to support up to five different credential sets. Each set defines: credential type, input data handling, output data format. This feature enables the use of a mixed credential population with different credential types, data encodings and security settings, making the Smart Reader XS ideal for transitioning credential populations to new systems.

### Security Features

Honeywell OmniAssure 2.0 XS readers provide standard security features:

- Tamper Detection: To detect opening of the reader housing, signaling is provided through customer defined actions.
- Key Store: Each reader contains uniquely AES encrypted key storage for reader and credential security keys.
- Key Diversification: Available on all supported technologies to provide higher security by uniquely securing the data on the credential.

# OmniAssure™ 2.0 XS Smart Readers Technical Specifications

| ENVIRONMENT | |
|---|---|
| USAGE | Indoor and Outdoor |
| HUMIDITY | 0 – 95% non-condensing |
| TEMPERATURE | –15°F to 150°F (–25°C to 65°C) |
| PROTECTION CLASS | IP55<br>IP54 for PIN models |

| MECHANICAL | |
|---|---|
| DIMENSIONS | 5.63" × 1.8" × 1.0" (H × W × D) 143.0 mm × 46.0 mm × 25.0 mm |
| MATERIALS | UL94 V0 LEXAN |

| TECHNOLOGIES | |
|---|---|
| ISO14443-3A | MIFARE Classic, MIFARE Ultralight |
| ISO14443-4A | MIFARE DESFire EV1 and EV2 (and version 0.6), SmartMX |
| ISO14443-4B | Infineon, Atmel, STMicroelectronics |
| NFC | Active mode on all models |
| LOW FREQUENCY-PROX | HID Prox, AWID, QuadraKey, EM4102 and GE/CASI® ProxLite |

## ORDERING

| READERS | |
|---|---|
| OT30BHONCST | OmniAssure 2.0 XS Smart Reader |
| OT35BHONCST | OmniAssure 2.0 XS Smart Reader with PIN |

| ACCESSORIES | |
|---|---|
| OT3XBHONCBB | 5mm Back plate with cable drain for OT3x reader |
| OT3XBMOUNTC | OmniAssure mullion to back box adapter mount with PIN |
| OT3XBMOUNTC | 5mm Back plate with cable drain for OT3XBMOUNTC |

# OMNIASSURE™ 2.0 XS
## MULTISMART READERS

The Honeywell OmniAssure 2.0 XS MultiSmart readers provides a flexible range of access control readers for reading high frequency 13.56 MHz and low frequency 125 kHz Prox credentials. Honeywell OmniAssure 2.0 XS readers come with and without PIN keypad, with software controlled interface for Wiegand, Clock and Data, TTL and RS485. The field programmable capabilities future proof your investment.

### Technologies

Honeywell OmniAssure 2.0 XS MultiSmart readers support:

- ISO14443-3A: MIFARE® Classic, MIFARE Ultralight®.
- ISO14443-4A: MIFARE DESFire® EV1, EV2 and V0.6, SmartMX.
- ISO14443-4B: Infineon, Atmel and STMicroelectronics.
- NFC: Peer-to-peer and support for passive credentials and devices.
- Low Frequency - LF Prox: EM4102 and credentials programmed for HID®, AWID®, QuadraKey and GE/CASI® ProxLite® LF Proximity credentials.

### Multi-Credential Capabilities

The Honeywell OmniAssure 2.0 XS MultiSmart reader can be configured to support up to five different credential sets with up to two low frequency credentials. Each set defines: credential type, input data handling, output data format. This feature enables the use of a mixed credential population with different credential types, data encodings and security settings, making the MultiSmart XS ideal for transitioning credential populations to new systems.

### Security Features

Honeywell OmniAssure 2.0 XS readers provide standard security features:

- Tamper Detection: To detect opening of the reader housing, signaling is provided through customer defined actions.
- Key Store: Each reader contains uniquely AES encrypted key storage for reader and credential security keys.
- Key Diversification: Available on all supported technologies to provide higher security by uniquely securing the data on the credential.

## OmniAssure™ 2.0 XS MultiSmart Readers Technical Specifications

| ENVIRONMENT | |
|---|---|
| USAGE | Indoor and Outdoor |
| HUMIDITY | 0 – 95% non-condensing |
| TEMPERATURE | –15°F to 150°F (–25°C to 65°C) |
| PROTECTION CLASS | luminAXS MifareD 2key wiegand reader |

| MECHANICAL | |
|---|---|
| DIMENSIONS | 5.63" × 1.8" × 1.0" (H × W × D) 143.0 mm × 46.0 mm × 25.0 mm |
| MATERIALS | UL94 V0 LEXAN |

| TECHNOLOGIES | |
|---|---|
| ISO14443-3A | MIFARE Classic, MIFARE Ultralight |
| ISO14443-4A | MIFARE DESFire EV1 and EV2 (and version 0.6), SmartMX |
| ISO14443-4B | Infineon, Atmel, STMicroelectronics |
| NFC | Active mode on all models |
| LOW FREQUENCY-PROX | HID Prox, AWID, QuadraKey, EM4102 and GE/CASI® ProxLite |

## ORDERING

| | |
|---|---|
| OT31BHONCSQT | OmniAssure 2.0 XS MultiSmart |
| OT36BHONCSQT | OmniAssure 2.0 MultiSmart XS PIN |

# 20 SMART CARD READERS

OmniClass 2.0 from Honeywell is a range of 13.56 MHz contactless secure smart card readers that offers superb reliability,

consistent read range and ease of installation. They are available in several sizes and each OmniClass reader incorporates smart card technology allowing the user to support biometric profiles and multiple applications on each card simultaneously.

OmniClass can retro-fit any Wiegand output reader, including standard HID® or Honeywell proximity readers. Smart card technology is ideally suited for access control,

logical (PC) access, storage of biometric templates, parking, secure ID's with embedded tamper-proof digital photos, ePurse and many other applications requiring secure and reliable read/write cards.

Leveraging HID's Mobile Access™ platform, OmniClass now offers optional Bluetooth® capability allowing users to use a compatible smartphone as a credential. Readers can be ordered in either mobile-ready (ready for mobile credential use except mobile keys are not loaded) or mobile-enabled (mobile keys are loaded and enabled for use with mobile credentials) configurations.

## OmniClass 2.0 Smart Card Readers

| | PART NUMBER | MOBILE READY | FORM FACTOR | MAX READ RANGE* | COLOUR | CONNECTION | COMPATIBLE CREDENTIALS | TAMPER | HOLD WIRE |
|---|---|---|---|---|---|---|---|---|---|
| | OM15BHOND | Mobile enabled | Long mullion mount reader | 8 cm | Black | Pigtail | 13.56 MHz OmniClass, iCLASS, iClass SE, iClass SR, SEOS, SE for Mifare and SE for DESFire EV1 | Optical | Yes |
| | OM15BHONDT | | | | | Terminal block | | | |
| | OM17BHOND | | | | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM17BHONDT | | | | | Terminal block | | | |
| | OM30BHOND | Mobile enabled | Mullion mount reader | | | Pigtail | Mullion mount reader | | |
| | OM30BHONDT | | | | | Terminal block | | | |
| | OM32BHOND | | | | | Pigtail | Mini-mullion size suited for mullion-mounted | | |
| | OM32BHONDT | | | | | Terminal block | | | |
| | OM40BHOND | Mobile enabled | EU, UK and US single-gang back box compatible reader | 12 cm | | Pigtail | EU, UK and US single-gang back box compatible reader | | |
| | OM40BHONDT | | | | | Terminal block | | | |
| | OM42BHOND | | | | | Pigtail | Wall switch size | | |
| | OM42BHONDT | | | | | Terminal block | | | |
| | OM55BHOND | | EU, UK and US single-gang back box compatible reader with keypad | | | Pigtail | EU, UK and US single-gang back box compatible reader with keypad | | |
| | OM55BHONDT | | | | | Terminal block | | | |
| | OM57BHOND | Mobile enabled | Wall switch size | | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM57BHONDT | | | | | Terminal block | | | |

* Based on iClass Credential maximum read range is affected by environmental conditions, surface the reader is mounted on and credential form factor and technology.

# SMART CREDENTIALS

## OmniClass 2.0 compatible smart credentials

The cost-effective OmniClass smart credentials are ideal for the majority of access control applications and are delivered with a programmed card number printed on the surface. As smart cards can also store data for other applications, such as cashless vending and storing biometric data, the 16kb OmniClass credentials become suitable for campuses and other facilities where a single card is issued. Off the shelf pre-programmed Mifare Classic and Mifare DESFire EV1 credentials are also compatible with the OmniClass 2.0 reader range. Custom programmed Mifare Classic and DESFire EV1 is optional, available for both credentials and readers.

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | OKP0N34 | PVC credit card size card | ✓ | White With Honeywell logo | OmniClass 2k2; 2kb, for 2 partitions | According to your requirements on site code and card number range | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | OmniClass 2.0 Smart Card readers<br>OmniClass 2.0 Multi Technology readers |
| | OKP0N26 | | | | | | 26 bit | | |
|  | OKP2N34 | PVC credit card size card | | | OmniClass 16k16; 16kb, for 16 partitions | | 34 bit | | OmniClass 2.0 Smart Card readers<br>OmniClass 2.0 Multi Technology readers |
| | OKP2N26 | | | | | | 26 bit | | |
| | PXKEYH16K16 | Key fob | ✗ | Purple and Black | | | 34 bit | | |
| | PXKEYH16K1626 | | | | | | 26 bit | | |

### Mifare Classic and Mifare DESFire EV1 credentials for OmniClass 2.0

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | PVCHMF1KSE | PVC credit card size card | ✓ | White | Mifare Classic 1kb, for 15 sectors | According to your requirements on site code and card number range; programmed in one of the sectors | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | OmniClass 2.0 smart card readers<br>OmniClass 2.0 Multi Technology readers |
| | PVCHMF1KSE26 | | | | | | 26 bit | | |
| | PVCHDF8KSE | | | | DESFire EV1 8kb, multiple applications | | 34 bit | | |
| | PVCHDF8KSE26 | | | | | | 26 bit | | |

# SMART CREDENTIALS

## OmniClass Multi Technology Credentials

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | OKP2M34 | PVC credit card size card with unprogrammed magnetic stripe | ✓ | White With Honeywell logo | OmniClass 16k16; 16kb, for 16 partitions | According to your requirements on site code and card number range | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | OmniClass 2.0 Smart Card and Multi Technology readers |
| | OKP2M26 | | | | | | 26 bit | | |
|  | OKH2N34 | PVC credit card size card | | | | According to your requirements on site code and card number range; Smart and prox have same number | 34 bit | | OmniClass 2.0 Smart Card readers OmniProx and HID prox compatible readers |
| | OKH2N26 | | | | | | 26 bit | | |
| | OKH2M34 | PVC credit card size card with unprogrammed magnetic stripe | | | | | 34 bit | | OmniClass 2.0 Smart Card readers OmniProx and HID prox compatible readers |
| | OKH2M26 | | | | | | 26 bit | | |

## OmniAssure Mifare Classic Credentials

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | OFP1N34 | PVC credit card size card | ✓ | White With Honeywell logo | Mifare Classic 1kb, for 15 sectors | According to your requirements on site code and card number range; programmed in one of the sectors | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | Legacy OmniAssure OT3 x HONBM Mifare Multi Technology readers |
| | OFP1N26 | | | | | | 26 bit | | |
| | OFK1N34 | Key fob | ✗ | Blue | | | 34 bit | | |
| | OFK1N26 | | | | | | 26 bit | | |
| | OFP1N00 | PVC credit card size card | ✓ | White With Honeywell logo | | Unprogrammed Mifare | ✗ | ✗ | Legacy OmniAssure OT3 x HONBS (CSN*) OmniClass 2.0 (CSN*) |
| | OFK1N00 | Key fob | ✗ | Blue | | | | | |

* CSN : Card Serial Number

# 24 MULTI TECHNOLOGY READERS

Technology is changing the way buildings operate – and it's changing business risks and opportunities along with it.

### OMNIASSURE™ TOUCH FROM HONEYWELL

our multi-technology readers provide piece of mind by leveraging the latest in encryption standards with PKI based mobile credentials and DESFire EV2 based smart cards that utilize 128-bit AES encryption with key diversification providing cutting edge protection against replay attacks and credential cloning. This powerful line of readers supports a wide variety of panel communication protocols including Wiegand, Clock-and-Data, TTL, RS-485 and OSDP Secure Channel Protocol (SCP). Rest assured that your building is ultra-secure.

### HASSLE FREE

User friendly mobile credentials eliminate presenting your phone to the reader.

### TAMPER RESISTANT

Intelligently wipes encryption and certificate data when reader tamper is detected.

### MAXIMUM FLEXIBILITY

Global standards based credential and panel communications (ISO14443, OSDP), customize reader settings via mobile app.

### UPGRADE FRIENDLY

Easily migrate legacy prox to smart and mobile technologies.

### MULTI-FACTOR AUTHENTICATION

Capacitive touch keypad available on all models for a variety of applications.

# MULTI TECHNOLOGY READERS

## OmniClass 2.0 Multi Technology Readers

| | PART NUMBER | MOBILE READY | FORM FACTOR | MAX READ RANGE* | COLOUR | CONNECTION | COMPATIBLE CREDENTIALS | TAMPER | HOLD WIRE |
|---|---|---|---|---|---|---|---|---|---|
| | OM16BHOND | | Long Mullion mount reader | 6.4 cm | Black | Pigtail | 13.56 MHz OmniClass, iCLASS, iClass SE, iClass SR, SEOS, SE for Mifare and SE for DESFire EV1 125kHZ HID Prox compatible technology, EM4102 and AWID | Optical | Yes |
| | OM16BHONDT | | | | | Terminal block | | | |
| | OM17BHOND | Mobile enabled | Long Mullion mount reader | 8.0 cm | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM17BHONDT | | | | | Pigtail | | | |
| | OM31BHOND | | Mullion mount reader | 6.4 cm | | Pigtail | 13.56 MHz iClass SE / SR, iClass SEOS, Mifare Classic, Mifare and DESFire EV1, 125kHZ HID Prox EM4102 and AWID EM4102 and AWID | | |
| | OM31BHONDT | | | | | Terminal block | | | |
| | OM32BHOND | Mobile enabled | | 8.0 cm | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM32BHONDT | | | | | Terminal block | | | |
| | OM41BHOND | | US and EU single-gang back box compatible reader | 11.4 cm | | Pigtail | 13.56 MHz iClass SE / SR, iClass SEOS, Mifare Classic, Mifare and DESFire EV1, 125kHZ HID Prox EM4102 and AWID OM41BHONDT Terminal EM4102 and AWID | | |
| | OM41BHONDT | | | | | Terminal block | | | |
| | OM42BHOND | Mobile enabled | | 12 cm | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM42BHONDT | | | | | Terminal block | | | |
| | OM56BHOND | | US and EU single-gang back box compatible reader with keypad | 11.4 cm | | Pigtail | 13.56 MHz iClass SE / SR, iClass SEOS, Mifare Classic, Mifare and DESFire EV1, 125kHZ HID Prox EM4102 and AWID | | |
| | OM56BHONDT | | | | | Terminal block | | | |
| | OM57BHOND | Mobile enabled | | 12 cm | | Pigtail | Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic Standard iCLASS Access Control Application ISO14443A (MIFARE, DESFire, NFC) CSN, ISO14443B CSN, ISO15693 CSN | | |
| | OM57BHONDT | | | | | Terminal block | | | |

* Maximum read range is affected by environmental conditions, surface the reader is mounted on and credential form factor and technology.

# MULTI TECHNOLOGY READERS

## OmniAssure Multi Technology Credentials

| | PART NUMBER | FORM FACTOR | SUITABLE FOR PRINTING | COLOUR | MEMORY SIZE | PROGRAMMED NUMBER | NUMBER OF BITS IN CARD FORMAT | CARD NUMBERS VISIBLE | COMPATIBLE READERS |
|---|---|---|---|---|---|---|---|---|---|
| | OFH1N34 | PVC credit card size card | ✓ | White with Honeywell logo | Mifare Classic 1kb, for 15 sectors | According to your requirements on site code and card number range; Smart and prox have same number | 34 bit | Card number inkjet printed on the credential for easy identification and enrolment | OmniAssure OT3 x HONBM and OmniProx |
| | OFH1N26 | | | | | | 26 bit | | |
| | OFP1N0034SP | | | | | Prox only according to your requirements on site code and card number range; Smart unprogrammed | 34 bit (Prox only) | | OmniAssure OT3 x HONBS (CSN*) and OmniClass 2.0 (CSN*) and OmniProx |
| | OFP1N0026SP | | | | | | 26 bit (Prox only) | | |

* CSN : Card Serial Number

# HL SERIES

## 600lbs / 1200lbs Electric Locks

Honeywell HL Series electric locks include 600lbs and 1200lbs locks for different requirements. The HL locks are suitable for various door types – single, dual, inswing, outswing, wooden, glass, frameless glass doors.

## HL Series Locks

| | PART NUMBER | MOUNT | HOLDING FORCE | VOLTAGE/ CURRENT | DOOR CONTACT | ACCESSORIES |
|---|---|---|---|---|---|---|
| | HL-M0600 | Surface Mount | About 600lbs | 500mA/12 VDC, 250mA/24 VDC | | HL-A2185 Armature Housing<br>HL-A2006L L Bracket<br>HL-A2006LZ L&Z Bracket<br>HL-A2006AC Angle Bracket<br>HL-A2185G Glass Door Bracket |
| | HL-M0600LS | | | | Built-in | HL-A2185 Armature Housing<br>HL-A2006L L Bracket<br>HL-A2006LZ L&Z Bracket<br>HL-A2006AC Angle Bracket<br>HL-A2185G Glass Door Bracket |
| | HL-M0600LS-D | | | | | HL-A2185 Armature Housing<br>HL-A2006L L Bracket<br>HL-A2006LZ L&Z Bracket<br>HL-A2006AC Angle Bracket<br>HL-A2185G Glass Door Bracket |
| | HL-M1200 | | About 1200lbs | | | HL-A2012L Adjustable L Bracket<br>HL-A2012LZ L&Z Bracket |
| | HL-M1200LS | | | | Built-in | HL-A2012L Adjustable L Bracket<br>HL-A2012LZ L&Z Bracket |

* Maximum read range is affected by environmental conditions, surface the reader is mounted on and credential form factor and technology.

# INTRUDER
## DETECTION SYSTEMS

Our intruder systems range from control panels and motion sensors, to fully integrated intrusion and door control security installations. They include environmental protection and life safety devices and perimeter protection products including glassbreak, seismic and shock sensors.

Some of our systems have a modular design and different communications options, so you can tailor them to your needs. You can choose from wired, wireless or hybrid solutions.

CONTENTS


| | |
|---|---|
| **Intruder Detection Systems**<br>Galaxy® Dimension<br>Galaxy® User Manager – WIN-PAK for Galaxy<br>Galaxy® Grade 2<br>Galaxy® Flex+ | 75-81 |
| **Galaxy Systems Accessories**<br>Galaxy® Accessories Compatibility<br>GX Remote Control App<br>Galaxy® TouchCenter Plus<br>Galaxy® User Interfaces<br>Galaxy® Modules and Accessories<br>Wireless peripherals range<br>MAXPRO Cloud | 82-93 |
| **Sensors**<br>Wireless Sensors<br>Wired Sensors<br>Wired Sirens<br>ADPRO PRO E Sensors | 94-107 |


**Scan for more information about intruder detection systems**

http://www.security.honeywell.com/uk/products/intruder/

# GALAXY® DIMENSION

The Galaxy Dimension series of security systems is a fully integrated intrusion and door control security solution for mid to large commercial security installations. It offers your customers a user-friendly system in a cost-effective and fully compliant package.

An innovative wireless capability offers high quality, reliable security solutions, with the flexibility to meet the needs of every commercial and industrial application.

## Galaxy Dimension Intruder System (Grade 3)

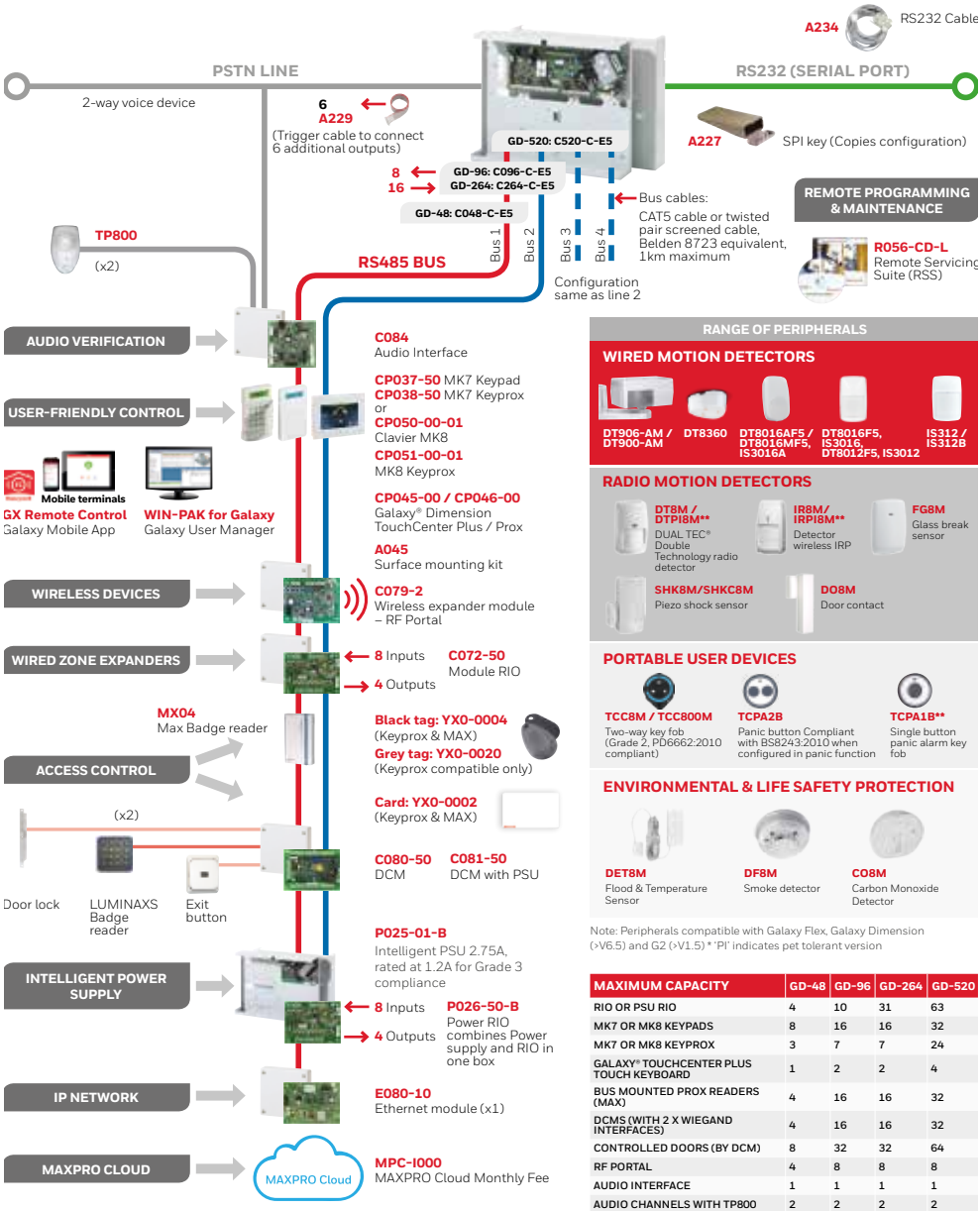
PD6662:2010 | BS8243 | EN50131-1

COMPLIANT

| PART NUMBER | DESCRIPTION | WIRED/WIRELESS ZONES | KEYPAD (KEYPROX) | CONTROLLED DOORS | WIRELESS PORTALS | USERS | LOGS | GROUPS | MULTI-PATH |
|---|---|---|---|---|---|---|---|---|---|
| C048-D-E1 | GD-48 Control Panel with PSTN dialler | 16 - 48 zones, including 32 wireless | 8 (3 keyprox) | 8 | 4 | 100 | 1000 event log 500 access log | 8 | Communications via GPRS, Ethernet, PSTN |
| C096-D-E1 | GD-96 Control Panel with PSTN dialler | 16 – 96 zones, including 80 wireless | 16 (7 keyprox) | 32 | 8 | 250 | 1000 event log 500 access log | 16 | Communications via GPRS, Ethernet, PSTN |
| C264-D-E1 | GD-264 Control Panel with PSTN dialler | 16 - 264 zones, including 192 wireless | 16 (7 keyprox) | 32 | 8 | 1000 | 1000 event log 500 access log | 32 | Communications via GPRS, Ethernet, PSTN |
| C520-D-E1 | GD-520 Control Panel with PSTN dialler | 16 - 520 zones, including 192 wireless | 32 keypads (24 keyprox) | 64 | 8 | 1000 | 1000 event log 500 access log | 32 | Communications via GPRS, Ethernet, PSTN |

# GALAXY® DIMENSION

## Hybrid intruder systems for larger installations




Note: Peripherals compatible with Galaxy Flex, Galaxy Dimension (>V6.5) and G2 (>V1.5) * 'PI' indicates pet tolerant version

| MAXIMUM CAPACITY | GD-48 | GD-96 | GD-264 | GD-520 |
|---|---|---|---|---|
| RIO OR PSU RIO | 4 | 10 | 31 | 63 |
| MK7 OR MK8 KEYPADS | 8 | 16 | 16 | 32 |
| MK7 OR MK8 KEYPROX | 3 | 7 | 7 | 24 |
| GALAXY® TOUCHCENTER PLUS TOUCH KEYBOARD | 1 | 2 | 2 | 4 |
| BUS MOUNTED PROX READERS (MAX) | 4 | 16 | 16 | 32 |
| DCMS (WITH 2 X WIEGAND INTERFACES) | 4 | 16 | 16 | 32 |
| CONTROLLED DOORS (BY DCM) | 8 | 32 | 32 | 64 |
| RF PORTAL | 4 | 8 | 8 | 8 |
| AUDIO INTERFACE | 1 | 1 | 1 | 1 |
| AUDIO CHANNELS WITH TP800 | 2 | 2 | 2 | 2 |
| ETHERNET MODULE | 1 | 1 | 1 | 1 |

Visit: **honeywell.com/security/uk/intruder**

# GALAXY USER MANAGER

## WIN-PAK® for Galaxy®

WIN-PAK for Galaxy is an end-user software package that is designed to ease user management and monitoring of Galaxy intruder security systems. It is the perfect solution if you only require intruder user management, yet offers the ability to expand to a fully integrated security solution as business needs grow.

WIN-PAK for Galaxy allows users to manage up to five Galaxy control panels, across multiple sites from one location, reducing the need for costly site visits. It provides a more secure solution by reducing the time required to implement system changes, with automatic updates to control panels required.

### Key Benefits

- Multiple control panel management: simplifies management of users across up to five Galaxy control panels, enabling common tasks to be carried out in just a few clicks
- Add and delete users in no more than 3 clicks
- Auto-update to all Galaxy panels including notification
- Galaxy user name, PIN and card number management
- Group choice and groups
- Enable card for arming and disarming in schedules
- Easy to use interface: provides specific Galaxy floor plans that clearly present key information, allowing quick identification of and response to alarms
- Advanced reporting: automate predefined or customised reports for less resource intensive management
- Highly scalable: allows users to start managing one Galaxy panel and can easily expand to command and control many Galaxy panels, full access control and video surveillance systems

| PART NUMBER | DESCRIPTION |
|---|---|
| WPG4X1 | WIN-PAK for Galaxy – single user – 1 Galaxy panel support |
| WPG4X5 | WIN-PAK for Galaxy – single user – 5 Galaxy panel support |
| | **UPGRADES** |
| UG4X1GX5 | WIN-PAK for Galaxy – single user upgrade from 1 to 5 Galaxy panels. Card with unprogrammed magnetic stripe |
| UG4X1S4G | WIN-PAK for Galaxy – single panel upgrade to WIN-PAK for Integration 1 user (more than 5 panels and access and video integration) |
| UG4X1S45GA | WIN-PAK for Galaxy – single panel upgrade to WIN-PAK for Integration 5 user (more than 5 panels and access and advanced video integration) |
| UG4X1P4 | WIN-PAK for Galaxy – single panel upgrade to WIN-PAK Ultimate (more than 5 panels and access and video integration) |
| UG4X5S4G | WIN-PAK for Galaxy – 5 panel upgrade to WIN-PAK for Integration 1 user (more than 5 panels and access and video integration) |
| UG4X5S45GA | WIN-PAK for Galaxy – 5 panel upgrade to WIN-PAK for Integration 5 user (more than 5 panels and access and video integration) |
| UG4X5P4 | WIN-PAK for Galaxy – single panel upgrade to WIN-PAK Ultimate (more than 5 panels and access and video integration) |

# GALAXY® GRADE 2

Galaxy Grade 2 is a feature rich, fully compliant control panel offering ease and flexibility. With the latest enhancements users can go where they want, when they want, with total peace of mind. Innovative, intuitive and easy to use, Galaxy Grade 2 is a fully equipped hybrid intruder alarm for residential and commercial applications. Now with added benefits to the already proven reliable and cutting-edge security solution, including three housing options, the introduction of a 'night-set' mode, and the GX Remote Control, a dedicated Mobile App allowing remote control at the touch of a button.

## Galaxy Grade 2 Control Panels

PD6662:2010 | BS8243 | EN50131-1
COMPLIANT

| PART NUMBER | DESCRIPTION | WIRED / WIRELESS ZONES | KEYPAD (KEYPROX) | CONTROLLED DOORS | WIRELESS PORTALS | USERS | LOGS | GROUPS | MULTI-PATH |
|---|---|---|---|---|---|---|---|---|---|
| C005-S-E1 | Galaxy Grade 2 FX020 small box, 1A | 12-20 zones including 20 wireless | 4 (4 keyprox) | 4 | 4 | 25 | 500 event log 500 access log | 3 | Communications via GPRS, Ethernet, PSTN |
| C005-M-E1 | Galaxy Grade 2 FX020 | | | | | | | | |
| C006-M-E1 | Galaxy Grade 2 FX050 | 12-52 zones, including 52 wireless | 8 (8 keyprox) | 8 | 8 | 100 | | 8 | |
| C007-M-E1 | Galaxy Grade 2 FX100 | 12-100 zones including 100 wireless | 8 (8 keyprox) | 16 | 8 | 250 | 1000 event log 500 access log | 16 | |
| C005-L-E1 | Galaxy Grade 2 FX020 large box, 2A | 12-20 zones, including 20 wireless | 4 (4 keyprox) | 4 | 4 | 25 | 500 event log 500 access log | 3 | |
| C006-L-E1 | Galaxy Grade 2 FX050 large box, 2A | 12-52 zones including 52 wireless | 8 (8 keyprox) | 8 | 8 | 100 | | 8 | |
| C007-L-E1 | Galaxy Grade 2 FX100 large box, 2A | 12-100 zones including 100 wireless | 8 (8 keyprox) | 16 | 8 | 250 | 1000 event log 500 access log | 16 | |

# GALAXY® GRADE 2

## Galaxy Grade 2 Kits

| PART NUMBER | DESCRIPTION | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| C005-E1-K01 | Medium panel with MK7 Keypad | C005-E1-K11 | Large panel with MK7 Keypad |
| C005-E1-K02 | Medium panel with MK7 Keyprox | C005-E1-K12 | Large panel with MK7 Keyprox |
| C005-E1-K03 | Medium Panel with MK8 Keypad | C005-E1-K13 | Large panel with MK8 Keypad |
| C005-E1-K04 | Medium Panel with MK8 Keyprox | C005-E1-K14 | Large panel with MK8 Keyprox |
| | | C005-E1-K21 | Small panel with MK7 Keypad |
| | | C005-E1-K22 | Small panel with MK7 Keyprox |
| | | C005-E1-K24I | Small panel with MK8 Keyprox and Ethernet |

For more kit options, please contact your local distributor.

## Visual Verification – ISN3010B4 Camera PIR

In addition to sequential and audio verification, Galaxy Grade 2 offers image sequence verification to confirm alarms. Using the ISN3010B4 camera PIR and Honeywell PE 1800IP alarm receiver, the Alarm Receiving Centre (ARC) receives a sequence of pre- and post alarm images to distinguish between real and false alarm signals, avoiding penalties and costs associated with false alarms.

COMPLIANT

- Visually confirm alarms without the cost of a CCTV solution
- Fast reaction to record alarm images with pre-alarm frames
- Low bandwidth of video clips mean transmission over GPRS is possible

# GALAXY® FLEX+

With Galaxy Flex+ you can now switch between security Grade 2 and Grade 3 – providing the right level of security for local regulatory compliance and automatic configuration for both security grades. Additional benefits include a lower inventory, reduced storage requirements and visible cost savings.

Galaxy Flex+ provides access to up to 100 zones through three powerful and feature rich control panel options. The highly versatile series has three different form factor options including robust polycarbonate housings with unique slots for expansion, RF and communication modules for easy and efficient installation and maintenance. With Remote Servicing Suite Flex+ offers unique management of multiple sites with remote maintenance and programming options. Integration options deliver the ability to combine Security with Building Management Systems and different 3rd party end user focused management tools.

PD6662:2010 | BS8243 | EN50131-1
COMPLIANT

## Hybrid Grade 2/Grade 3 Intruder Control Panel Series

| PART NUMBER | DESCRIPTION | WIRED / WIRELESS ZONES | KEYPADS / KEYPROXES | CONTROLLED DOORS | WIRELESS TRANSCEIVER/ RF PORTAL (GRADE 2 ONLY) | USERS | LOGS | GROUPS/ ZONES | MULTI-PATH |
|---|---|---|---|---|---|---|---|---|---|
| C015-L-E1 | Galaxy Flex FX020+ large box, 2A | 12-20 zones including 20 wireless | 4 (4 keyprox) | 4 | 4 | 25 | 1000 event log 500 access log | 3 | Communications via GPRS, Ethernet, PSTN |
| C016-L-E1 | Galaxy Flex FX050+ large box, 2A | 12-52 zones including 52 wireless | 8 (8 keyprox) | 8 | 4 | 100 | | 8 | |
| C017-L-E1 | Galaxy Flex FX100+ large box, 2A | 12-100 zones including 100 wireless | 8 (8 keyprox) | 16 | 8 | 250 | 1500 event log 500 access log | 16 | |

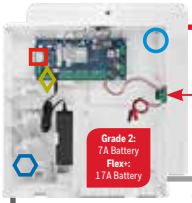
### Galaxy Flex+ Kits

| PART NUMBER | DESCRIPTION |
|---|---|
| C015-E1-K11 | Large panel with MK7 Keypad |
| C015-E1-K12 | Large panel with MK7 Keyprox |
| C015-E1-K13 | Large panel with MK8 Keypad |
| C015-E1-K14 | Large panel with MK8 Keyprox |

# GALAXY® FLEX+

## Galaxy® Grade 2/Flex+ Architecture

Hybrid Grade 2/Grade 3 intruder control panel series for small to mid-sized installations




**INTELLIBUS**

Deep discharge battery protection module (standard in Galaxy Flex+ / optional in Galaxy Grade 2)

**ISN3010B4** Camera PIR

**A081-00-01** GSM/GPRS Module

**PSTN**

**RS485 BUS**

**A074-00-01** Output Option Board (Relay Interface)

**A071-00-01** Trigger Module

**Control Panel Ordering Guide:**

| |
|---|
| C0X5-Y-EZ – Grade 2/Flex+ 20 |
| C0X6-Y-EZ – Grade 2/Flex+ 50 |
| C0X7-Y-EZ – Grade 2/Flex+ 100 |

* X = Grade variant (0=Grade 2; 1=Grade 2/3)
Y = panel size (Small, Medium, Large)
Z = language variant

**C080** DCM | **C081** DCM with PSU

### WIRELESS DEVICES

**C079-2** RF portal in plastic housing (Grade 2)

**A073-00-01** Direct mount RF portal PCB (Grade 2)

### USER-FRIENDLY CONTROL

**CP037/CP038** MK7 Keypad/ Keyprox

**CP050-00-01** **CP051-00-01** MK8 Keypad/Keyprox

**CP045/CP046** Galaxy® TouchCenter Plus Keypad/Prox

**GX Remote Control** Galaxy Mobile App

### EXPANSION OPTIONS

**C072** RIO Grade 3 expander module

**C071-01** RIO Grade 2 expander module

**4 Outputs** **8 Inputs**

### DOOR CONTROL

**MX04** MAX badge reader

**Black tag:** YX0-0004 (Keyprox & MAX)
**Grey tag:** YX0-0020 (Keyprox only)

**Card:** YX0-0002 (Keyprox & MAX)

### WIRELESS PERIPHERALS

#### INTRUDER DETECTION

**DT8M** DUAL TEC® Motion Sensor

**IR8M/ IRPI8M**** PIR Motion Sensor

**FG8M** Glass break Sensor

**SHK8M/ SHKC8M** Piezo shock sensor

**DO8M** Door contact

#### PORTABLE USER DEVICES

**TCC8M** Two-way key fob (Grade 2, PD6662:2010 compliant)

**TCPA2B** 2 button Panic alarm key fob (Grade 2. BS8243: 2010 compliant when configured in panic function)

**TCPA1B***** 1 button panic button

#### ENVIRONMENTAL & LIFE SAFETY PROTECTION

**DET8M** Flood and Temperature Sensor



**DFS8M** Smoke Detector

**CO8M** Carbon monoxide detector

| MAXIMUM CAPACITY | FX020 (+) | FX050 (+) | FX100 (+) |
|---|---|---|---|
| On-board zones | 12 | 12 | 12 |
| Maximum zones | 20 | 52 | 100 |
| Wireless zones | 20 | 52 | 100 |
| MK7/MK8 keypad/keyprox | 4 | 8 | 8 |
| Galaxy® TouchCenter Plus | 1 | 1 | 1 |
| Wired zone expander – RIO or PSU RIO | 1 | 5 | 11 |
| Wireless transceiver/ RF portal | 8 | 8 | 8 |
| Users | 25 | 100 | 250 |
| Groups | 3 | 8 | 16 |
| Links | 5 | 64 | 128 |
| Ethernet Module | 1 | 1 | 1 |
| GSM/GPRS Module | 1 | 1 | 1 |
| Trigger module | 1 | 1 | 1 |
| BUS mounted proximity readers (MAX) | 4 | 8 | 8 |
| DCMs | 2 | 4 | 8 |
| DCM controlled doors | 4 | 8 | 16 |

### INTELLIGENT POWER SUPPLY

**P026-01-B** Power RIO combines RIO and intelligent PSU 2.75A, rated at 1.0A for Grade 2 compliance

**4 Outputs** **8 Inputs**

### AUDIO VERIFICATION

**C084** – Audio Interface (2 channels)
**C085** – Audio MUX Extension (4 channels)
**TP800** – Two-way voice device (x2)

### REMOTE PROGRAMMING & MAINTENANCE

**R058-CD** User Management Suite

**R056-CD/R057-CD** Remote Servicing Suite (RSS)

***Visit: honeywellgalaxyflex.com for more information on Galaxy Grade 2 and Flex+***

# GALAXY ACCESSORIES

## Compatibility

**The table below offers a compatibility overview of the Galaxy accessories listed in this catalogue**

| PART NUMBER | DESCRIPTION | GALAXY DIMENSION | GALAXY GRADE 2 |
|---|---|---|---|
| A071-00-02 | Galaxy Grade 2 trigger module | | ✓ |
| A073-00-01 | Galaxy Grade 2 Direct mount RF Portal PCB | | ✓ |
| A074-00-01 | Output option board/Relay module | | ✓ |
| A077-00-01 | Galaxy Grade 2 Mounting kit for Ethernet module | | |
| A079-00 | Dual Battery Monitor | ✓ | |
| A081-00-01 | Galaxy Grade 2 GSM/GPRS module. High Speed | | ✓ |
| A083-00 | Galaxy Grade 2 Ethernet Module. High Speed | | ✓ |
| A233 | G2 2 way voice/audio device | | |
| A303-S | Mounting bracket for GT-20/40 & E080-08 modules | ✓ | |
| C072 | Galaxy RIO Grade 3 (Remote Input/Output) | ✓ | ✓ |
| C071-01 | Galaxy RIO Grade 2 (Remote Input/Output) | ✓ | ✓ |
| C079-2 | RF Portal | ✓ | ✓ |
| C080 | Galaxy door control module (DCM) | ✓ | ✓ |
| C081 | Galaxy door control module (DCM) with PSU | ✓ | ✓ |
| C084 | Audio interface module for Galaxy Dimension | ✓ | ✓ |
| C085 | Audio MUX Module | ✓ | ✓ |
| C086 | Card reader interface | ✓ | ✓ |
| C087 | SPI KEY programmer control system | ✓ | |
| CP037-01 | Galaxy MK7 LCD keypad | ✓ | ✓ |
| CP038-01 | Galaxy MK7 LCD keyprox with integrated ASK/HID reader | ✓ | ✓ |
| CP050-00-01 | Galaxy MK8 LCD keypad | ✓ | ✓ |
| CP051-00-01 | Galaxy MK8 LCD keyprox with integrated ASK/HID reader | ✓ | ✓ |
| E080-10 | Galaxy ethernet module | ✓ | |
| GT00-NG | Galaxy GPRS/GSM Module | | |
| GT20-NG | IP Communications Module | ✓ | |
| GT40-NG | GPRS/IP Communications Module | ✓ | |
| MX04 | MAX4 Prox reader | ✓ | ✓ |
| P026-01-B | Boxed 2.75A power supply unit (PSU) with integrated RIO | ✓ | ✓ |
| R056-CD-L | Galaxy Remote Service Suite (RSS) with licence | ✓ | ✓ |
| R057-CD-DG | Galaxy Remote Service Suite (RSS) with dongle | ✓ | ✓ |
| R058-CD-DG | Galaxy User Management Suite (UMS) with dongle | ✓ | ✓ |
| TP800* | 2 Way voice speaker-mic | ✓ | ✓ |
| YX0-0004 | MAX Keytag | ✓ | ✓ |
| YX0-0020 | ASK Proximity keytag (grey) | ✓ | ✓ |

| COMPATIBILITY KEY | |
|---|---|
| Galaxy Dimension | ✓ |
| Galaxy Grade 2 | ✓ |

*Galaxy Grade 2 and Dimension when used with the Audio Interface (Order Code: C084)
G2-44+ when used with the Audio Terminal Board (Order Code: A233)

# GX REMOTE CONTROL

## Free Galaxy Mobile App

**Now with Push notification!**

Access your Galaxy systems remotely anytime, anywhere for simpler security management. Home and business automation at your fingertips via the App.

- Control any electrical system such as air-conditioning/heating, gate/garage door and lighting with output control
- Manage up to 20 sites effortlessly
- Receive instant Push notifications to your mobile device
- One App for all your systems

### SECURE, FAST & SIMPLE TO USE

- 10 second secure login
- Single touch event history
- Single touch system health

### EASY TO LEARN AND OPERATE

- Easy to use interface, with built-in help
- Easy to operate on both smartphones and tablets

### CONVENIENT

- Manage up to 20 sites from one smart device
- Single tap switch between sites and groups
- Effortless system arming/disarming in 3 modes (Full / Part / Night)
- System reset
- Customizable trigger selection for Push Notification

## System requirements

| PRODUCT TYPE | PRODUCT REF | PANEL FIRMWARE REQUIREMENTS | ADDITIONAL HARDWARE REQUIRED |
|---|---|---|---|
| GALAXY GRADE 2 | C005-xx<br>C006-xx<br>C007-xx | 3.17 for full functionality | A083-00-10 Galaxy Ethernet Module |
| GALAXY FLEX+ | C015-xx<br>C016-xx<br>C017-xx | 3.17 or 3.37 for full functionality | E080-10 Galaxy Ethernet Module |
| GALAXY DIMENSION | C048-xx<br>C096-xx<br>C264-xx<br>C520-xx | 6.92 for full functionality | E080-10 Galaxy Ethernet Module |

**Note:** Compatible with Galaxy Dimension and Galaxy Grade 2. Requires security installer support.

## Three easy download options

1. Search for 'GX Remote Control' on either Google Play (for Android) or Apple App store (for iPad and iPhone).
2. Click on the app store icon to download the app now to your smart device.
3. Scan the QR code with your smart device to link directly to your app store.

# GALAXY® TOUCHCENTER PLUS

## Intuitive Touchscreen Keypad with Live Camera View

Galaxy TouchCenter Plus is a colour touchscreen keypad through which users can easily interact and operate Grade 2 and Grade 3 Galaxy Grade 2/Flex+ and Galaxy Dimension intruder alarm systems. Gain control at one's fingertips.

The intuitive touchscreen display has clear icons and menu driven prompts. TouchCenter Plus features a faster installation, reduced training needs and fewer service callouts – reducing operational errors and subsequent false alarms.

### Clear and simple system management

TouchCenter Plus gives users the choice of operation via touchscreen, key tags, or RFID cards, making it easy to operate both intrusion and access control functions of the system. Even the largest multi-site systems are simple to manage. The intuitive interface and overview screens display system and zone status, groups, and events.

### Keep in touch with home or business

The real-time Cam view features live streaming on demand, from local or remote IP cameras – giving users the ability to keep an eye on the interior and exterior of their homes and businesses. The convenient built-in Cam live view gives users the flexibility to monitor activity in a wide variety of areas.

### Efficient building control

Through the building/home control feature, operating systems such as lighting, air-conditioning, and heating becomes easy.

### Elegant design

The modern design of Galaxy TouchCenter Plus includes flush mount options to fit today's contemporary interiors and to ensure a sleek and slim look when mounted.

# GALAXY® TOUCHCENTER PLUS

## Picture the possibilities

The high-resolution (800x400p) touchscreen also doubles as a digital picture frame for residential and commercial customers. With the ability to display family photos, create slideshows, utilise MP4 video and audio players, and display advertisements, employee communications and logos, the Galaxy TouchCenter Plus is a true multi-purpose solution that adds value to any installation. Just picture the possibilities.

## Features & Benefits

- Intuitive Galaxy security and access system management

- View live video streaming from IP cameras via Wi-Fi/ cable connection (monitor traffic, car parking, employee activity, kids playground etc)

- Aesthetic design with flush or wall mount options

- MP4 video & audio player with advertisement/ photo frame option

- Output control enabling automation of building & home systems

## Intruder Alarm Control Panels Compatibility

| DESCRIPTION | KEYPADS | SOFTWARE |
|---|---|---|
| Alarm system | Max. No. keypads | Min. panel software version |
| Galaxy Grade 2/Flex+ 20/50/100 | 1 | 3.xx |
| Galaxy Dimension 48 | 1 | 6.xx |
| Galaxy Dimension 96/264 | 2 | 6.xx |
| Galaxy Dimension 520 | 4 | 6.xx |

## IP Cameras

| DESCRIPTION | |
|---|---|
| equIP Series IP Cameras | Complete range of fully featured IP Cameras for medium to large installations |
| HDZ Series IP Cameras | Indoor and outdoor HDZ PTZ cameras |
| Performance IP Cameras | Affordable IP camera series for small to medium installations |

NOTE: Please consult your Honeywell representative for details on specific IP cameras supported

## Ordering and compatibility

| PART NUMBER | DESCRIPTION |
|---|---|
| CP045-00 | Galaxy TouchCenter Plus flush mount |
| CP046-00 | Galaxy TouchCenter Plus flush mount (with prox) |
| A045 | Wall mount for Galaxy TouchCenter Plus |

# GALAXY USER INTERFACES

The Galaxy control panels are supported by a common set of LCD keypads and keyproxes, minimising the inventory installers need to hold. In addition to the tried and trusted Mark 7 keypad design, a contemporary Mark 8 LCD keypad and keyprox design offers an attractive alternative solution for installations where style and aesthetics are particularly important.

The Mark 8 keypad is fully backward compatible with all Galaxy ranges.

## Galaxy Keypads and Keyproxes

| | PART NUMBER | DESCRIPTION | BUTTONS | CONTROL & DISPLAY | TAMPER PRO-TECTION | DISTANCES | SET/ UNSET WITH PIN | EASY INSTALLATION | APPROVALS |
|---|---|---|---|---|---|---|---|---|---|
| | CP050-00-01 | MK8 Keypad | Tactile backlit buttons | Full system control 32 alphanumeric backlit display | ✓ | Working distance up to 1000m | ✓ | ✓ | PD6662: 2004/2010 EN50131-1 Security Grade 3, Environmental Class II |
| | CP051-00-01 | MK8 Keyprox with combined LCD Keypad proximity card reader | Tactile backlit buttons | Full system control 32 alphanumeric backlit display | ✓ | Working distance up to 1000m | ✓ | ✓ | PD6662: 2004/2010 EN50131-1 Security Grade 3, Environmental Class II |
| | CP037-01 | MK7 Keypad | Tactile backlit rubber buttons | Full system control 32 alphanumeric backlit display | ✓ | Working distance up to 1000m | ✓ | ✓ | PD6662: 2004/2010 EN50131-1 Security Grade 3, Environmental Class II |
| | CP038-01 | MK7 Keyprox with combined LCD Keypad proximity card reader | Tactile backlit rubber buttons | Full system control 32 alphanumeric backlit display | ✓ | Working distance up to 1000m | ✓ | ✓ | PD6662: 2004/2010 EN50131-1 Security Grade 3, Environmental Class II |

# GALAXY USER INTERFACES

## Galaxy Keytags and Panic Buttons

| | PART NUMBER | DESCRIPTION | ROLLING CODE ENCRYPTION | FEEDBACK ON ALL ACTIONS | INTRUDER WARNING | FUNCTIONS/ SOFTWARE | POWER | DIMENSIONS (MM) | APPROVALS | COM-PATIBILITY |
|---|---|---|---|---|---|---|---|---|---|---|
| | YX0-0004 | Black MAX keytag (Keyprox and MAX) | ⊗ | ⊗ | ⊗ | Set/Unset | N/A | 45 x 30 x 2 | N/A | ✓✓ |
| | YX0-0020 | Grey ASK proximity keytag (Keyprox only) | ⊗ | ⊗ | ⊗ | Set/Unset | N/A | 50 x 30 x 7 | N/A | ✓✓ |
| | TCC8M | 4-button bi-directional key fob | ✓ | ✓ | Warning in event of intruder alarm when unset | Functions: Set/Unset, Partial set, Panic Alert and system status on request | 3V CR2032 x 1 Low battery warning | 56 x 48 x 9 | EN50131 Grade 2, Class II Compliant with DD6662: 2010/ BS8243:2010 | ✓✓ |
| | TCC800M | 4-button bi-directional keyfob with panic function | ✓ | ✓ | Warning in event of intruder alarm when unset | Functions: Set/Unset, Partial set, Panic Alert and system status on request | 3V CR2032 x 1 Low battery warning | 56 x 48 x 9 | EN50131 Grade 2, Class II | ✓✓ |
| | TCE800M | Compact 4-button bi-directional key fob with panic function | ✓ | ⊗ | ⊗ | Functions: Set/Unset, Partial set, Panic Alert | 3V CR2032 x 1 | 57 x 31.75 x 12.7 | EN50131 Grade 2, Class II | ✓✓ |
| | TCPA2B | 2-button multi-action panic alarm key fob | ⊗ | ⊗ | ⊗ | Programmable setting/ unsetting | 3V CR2032 x 1 | 40 x 14.5 | EN50131 Grade 2, Class II Compliant with DD6662: 2010/ BS8243:2010 when configured in panic function | ✓[3] ✓[2] |
| | TCPA1B | Single button panic alarm key fob with one LED | ⊗ | ⊗ | ⊗ | ⊗ | 3V CR2032 x 1 | 40 x 14.5 | EN50131 Grade 2, Class II | ✓[4] ✓[4] |

| COMPATIBILITY KEY | |
|---|---|
| Galaxy Dimension[1] | ✓ |
| Galaxy Grade 2 & Flex+ | ✓ |

**Note:** (1) using C079-2 RF portal, (2) from firmware V3.13 onwards, (3) from firmware V6.84 onwards, (4) with RF portal Firmware V3 onwards, (5) for G2 from firmware version 1.56 onwards.

# GALAXY MODULES AND ACCESSORIES

A wide range of Galaxy modules allow expansion of the Galaxy control panels, providing fully flexible and customisable security solutions to meet specific customer needs.

Module options include access control functionality, wireless expansion, via GSM/GPRS, Ethernet and PSTN communications and audio capabilities.

## Wireless Devices

Bi-directional wireless interface providing support for the V2 and Alpha protocol with a full range of intrusion and environmental detectors.

| | DESCRIPTION | FREQUENCY | PORTALS | BI-DIRECTIONAL | SENSORS |
|---|---|---|---|---|---|
| | RF portal | 868MHz | Up to 8 RF portals on Dimension/ Galaxy Grade 2. Up to 2 RF portals on G2. | Full bi-directional agile routing (patented technology) | Compatible with all Honeywell Alpha protocol sensors |

### Order references

| PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|
| C079-2 | RF portal in standalone enclosure | ✓✓ |
| A073-00-01 | Galaxy Grade 2 direct mount RF portal PCB | ✓ |

## Wired Zone Expanders

This module provides zone and output expansion for Galaxy systems offering 8 fully programmable zones and 4 programmable outputs.

| | PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|---|
| | C071-01 | Galaxy RIO Grade 2 (Adds 8 zones and 4 outputs) | ✓✓ |
| | C072 | Galaxy RIO Grade 3 (Adds 8 zones and 4 outputs) | ✓✓ |

| COMPATIBILITY KEY | |
|---|---|
| Galaxy Dimension | ✓ |
| Galaxy Grade 2 & Flex+ | ✓ |

# GALAXY MODULES AND ACCESSORIESRIES

## Communications

| | PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|---|
| | A081-00-01 | Galaxy Grade 2 GSM/GPRS module | ✓ |
| | A071-00-02 | Galaxy Grade 2 Trigger module<br>(Adds 8 programmable trigger outputs) | ✓ |
| | A074-00-01 | Output option board<br>(Converts one output to Relay operation) | ✓ |

| PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|
| E080-10 | Galaxy Ethernet module | ✓ ✓ |
| A083-00-10 | Galaxy Grade 2 direct mount Ethernet module | ✓ |

## IP and GPRS communications modules

Offering fail-safe alarm signalling and remote servicing support for Galaxy.

| | PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|---|
| | GT20-NG | IP Communications module | ✓ ✓ |
| | GT40-NG | GPRS/IP Communications module | ✓ ✓ |
| | GT00-NG | GPRS Communications module<br>(no ethernet) | ✓ ✓ |

| PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|
| A077-00-01 | Galaxy Grade 2 mounting kit for the Ethernet module | ✓ |
| A232 | Trigger lead for G2 and Dimension | ✓ |
| A303-S | Mounting bracket for GT and E080 modules | ✓ |

| COMPATIBILITY KEY | |
|---|---|
| Galaxy Dimension | ✓ |
| Galaxy Grade 2 & Flex+ | ✓ |

# GALAXY MODULES AND ACCESSORIES

## Door Control

A combined intrusion and door control system offers the end user a system which retains maximum convenience whilst maintaining the highest level of security at all times. The Door Control Module (DCM) enables Galaxy Dimension and Galaxy Grade 2's versatile access control facilities to be exploited. Each DCM provides fully integrated security for up to two doors.

| | PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|---|
| | C080<br>Door Control Module (DCM) | Dual door controller (DCM) in stand-alone box.<br>Compatible with OmniClass and OmniProx proximity and smart card readers | |
| | C081<br>Door Control Module (DCM) | Dual door controller (DCM) with Power Supply Unit (12V- 2.75A) and RIO in a metallic case.<br>Compatible with OmniClass and OmniProx proximity and smart card readers | |
| | C086<br>USB Card reader interface | This reader allows easy learning of new access cards via a PC when used in conjunction with the User Management Suite (UMS) | |
| | MX04 – MAX4<br>Proximity Reader | Complete door control in a single unit.<br>Can be used as stand-alone or integrated into the Galaxy control system.<br>Connected on RS485 bus.<br>Also compatible with G2 | |

## Programming/Maintenance

The Galaxy Remote Servicing Suite (RSS) provides complete remote servicing capability including off-line programming, real-time control and diagnostic reporting across the Galaxy range. The User Management Suite (UMS) software is a powerful PC package that can control and administer an installed Galaxy system locally via a PC Network, or multiple systems remotely around the globe using phone line connections or wide area networks (WAN).

| PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|
| R056-CD-L | Standalone Galaxy Remote Service Suite software with licence | |
| R057-CD-DG | Galaxy Remote Service Suite software with USB dongle and client/server version | |
| R058-CD-DG | Galaxy User Management Suite software with USB dongle | |
| WPG4X1 | WIN-PAK for Galaxy – Single user – 1 Galaxy panel support | |
| WPG4X5 | WIN-PAK for Galaxy – Single user – 5 Galaxy panel support | |
| C087 | SPI KEY programmer control system Connects to a PC via USB Cable | |
| A227 | Galaxy Dimension S.P.I. Key – Blank | |
| SOF-048-E1 | Galaxy Dimension 48 S.P.I. Key – Programmed | |
| SOF-096-E1 | Galaxy Dimension 96 S.P.I. Key – Programmed | |
| SOF-264-E1 | Galaxy Dimension 264 S.P.I. Key – Programmed | |
| SOF-520-E1 | Galaxy Dimension 520 S.P.I. Key – Programmed | |

# GALAXY MODULES AND ACCESSORIESRIES

## Audio Verification

Audio verification allows the Alarm Receiving Centre (ARC) to listen in using independent audio channels to identify the specific location where the alarm has been triggered and verify source and cause. This reduces false alarms and increases system reliability.

| | PART NUMBER | DESCRIPTION | COMPATIBILITY |
|---|---|---|---|
| | C084 | Audio interface module for Galaxy Dimension and Galaxy Grade 2 | ✓ ✓ |
| | C085 | Audio MUX module for Galaxy Dimension | ✓ ✓ |
| | TP800 | 2 way voice speaker-mic | ✓ ✓ |

| | PART NUMBER | DESCRIPTION | POWER SUPPLY | BATTERY | COMPATIBILITY |
|---|---|---|---|---|---|
| | P026-01-B | Galaxy Power RIO | Rated at 1.2A for Grade 3 compliance, combines power supply and RIO in one enclosure (2.75A) | Up to 24Ah battery capacity (2 x 12Ah batteries) | ✓ ✓ |

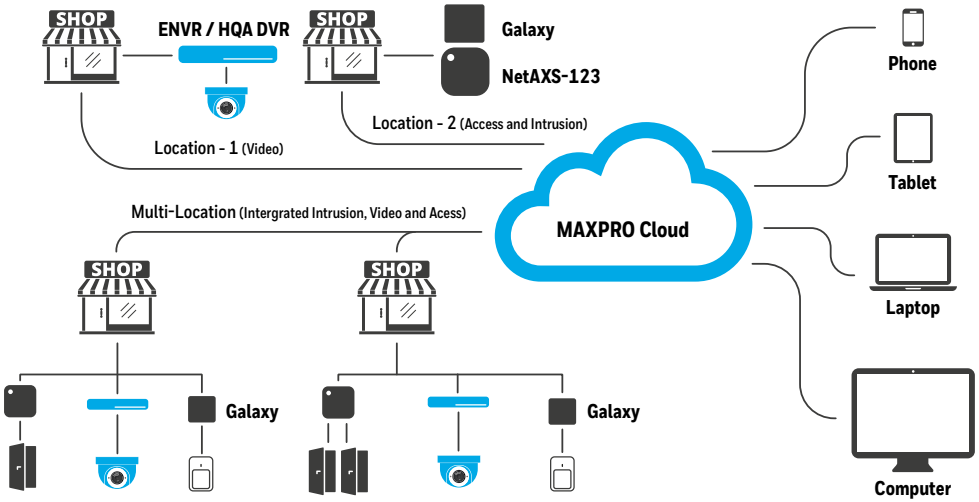
| COMPATIBILITY KEY | |
|---|---|
| Galaxy Dimension | ✓ |
| Galaxy Grade 2 | ✓ |

# MAXPRO CLOUD

## Integrated Video, Access and Intrusion management and monitoring

Honeywell's MAXPRO Cloud - a cloud based security solution integrates your Video, Access Control and Intrusion security in one easy to use platform. MAXPRO Cloud supports Galaxy Dimension and Flex, enabling you to control and monitor your intrusion security across installations, sites and locations from anywhere and from almost any device.

### HOW DOES IT WORK?




### WHAT DEVICES CAN I CONNECT?

NX1P NX1MPS

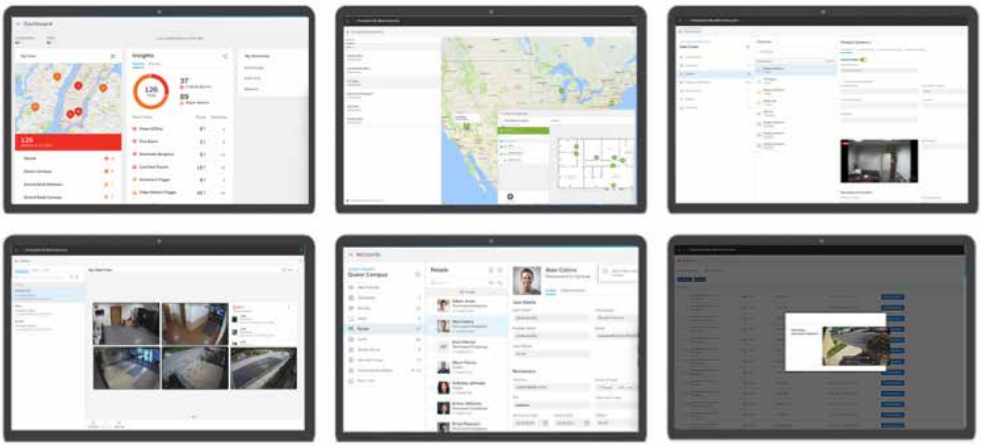
Performance NVRs and HQA DVRs

Galaxy Flex and Dimension (Requires the relevant communications module)

# MAXPRO CLOUD

## Key Benefits

- Manage your security across sites from one platform
- Integrates Video, Access Control and Intrusion
- Easy to use user interface
- Visual verification – can reduce false alarms
- Cloud based for enhanced availability and secure storage
- Expandable – grow with your needs, pay only for what you need
- Powerful and flexible account management
- Customisable event alerts and notifications
- Reduces management and maintenance times and costs
- Minimises up-front software and hardware costs



**View your Dashboard** | **Manage Multiple sites** | **View Live Video** | **Live Control** | **View Alarms**

For more information, please visit **www.maxprocloud.com/uk**

# WIRELESS SENSORS

Honeywell's wireless sensors range offers customers a single range of wireless solutions to suit all applications, from residential to large commercial installations allowing wireless security to be fully exploited for commercial environments.

## IRPI8M / IR8M Wireless Passive Infrared Motion Sensor

| | |
|---|---|
| Detection Range | 11 x 12m (at 2.30m mounting height) |
| Technology | Patented Look-down Mirror available on IR8M only. 10 minute Auto test with active LED. Advanced dual slope temperature compensation. |
| Sensitivity | Selectable pulse count and sensitivity |
| Pet Friendly | Selectable pet immunity (0, 18 or 36 kg) available on IRPI8M only |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x CR123 Lithium 3V (LI03V) battery (supplied) Domonial: 4.5 years Galaxy: 3 years | EN/TS50131-2-2, EN50131-5- 3:2005, Grade 2, Environmental Class II | Front & rear cover | 112 x 60 x 40mm | -10°C to 55°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

## DT8M Wireless DUAL TEC® Motion Sensor

| | |
|---|---|
| Detection Range | 15m x 18m range with wide angle lens installed, 11m x 12m range with pet immune lens (supplied) |
| Technology | K-band microwave technology |
| Sensitivity | 4 programmable levels |
| Pet Friendly | Up to 45 kg |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 4 x 1.5V AA Lithium Batteries (supplied) V2GY: 3.5 years ALPHA: 5 years | CE, PD6662, EN 50131-1 and EN 50131-2-4, Security Grade 2, Environmental Class II | Case opening, Wall and Corner mounting | 125 x 75 x 52mm | -10°C to 40°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2), Domonial, Sucre Box and Total Connect Box |

# WIRELESS SENSORS

## SHK8M / SHKC8M Wireless Piezo Shock Sensor

| | |
|---|---|
| **Detection Range** | Radius of 2.5 m (depending on the type of mounting surface) |
| **Technology** | State of the art piezo sensing technology |
| **Sensitivity** | By potentiometer and DIP Switch |
| **Colour options** | **SHK8M** – White **SHKC8M** – White, with contact |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x CR123A Lithium 3V (LI03V) battery (supplied)<br>ALPHA: 5 years<br>V2GY: 4 years | CE; EN50131-5- 3:2005, EN50131-2-6, Security Grade 2, EN50131-1, Environmental Class II | Front cover and wall mounting | 88.9 x 40.6 x 30mm | -10°C to 55°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

## FG8M Wireless Glassbreak Sensor

| | |
|---|---|
| **Detection Range** | Up to 7.6m |
| **Technology** | FlexCore™ and Flexguard™ technologies offer advanced post sensing signal processing capabilities for unequalled false alarm immunity |
| **Sensitivity** | Four levels (7.6m – 4.6m – 3m – 1.5m) |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 2 x CR123A Lithium 3V (LI03V) batteries (supplied)<br>ALPHA: 7 years<br>V2GY: 6 years | CE; EN50131-1, EN50131-5- 3, Grade, 2 Environmental Class II | Front cover and wall mounting | 115 x 720 x 27mm | -10°C to 55°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

* Protocol dependent

| | |
|---|---|
| **Detection Range** | Built-in temperature sensor: Cold : 8°C (adjustable 2°C to 14°C) Hot : 26°C (adjustable 20°C to 32°C) Alarm signalling within 10 mins<br>Temperature external probe (T280R optional): Freezer : -12°C (adjustable from -18°C to -6°C)<br>Refrigerator : 11°C (adjustable from 2°C to 20°C) Alarm signalling within 10 mins<br>Flood probe (one FP280 supplied): Alarm signalling within 60 secs |
| **Technology** | Patented 'Agile Routing', the system works with RF portals to automatically find the strongest bi-directional signal path and will continue to communicate until it gets an acknowledgment |
| **Sensitivity** | Precision range: +/- 1.75°C |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x CR123 Lithium 3V (LI03V) battery (supplied)<br>ALPHA: 7 years<br>V2GY: 6 years | CE; EN50131-1, EN50131-5- 3, Grade 2, Environmental Class II | Front cover and wall mounting | 89 x 40 x 30mm | -10°C to 40°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

# WIRELESS SENSORS

## DO8M DO800M2 Compact Wireless Door/Window Magnetic Contacts



| | |
|---|---|
| **Technology** | DO8M : white, DO800M2 : brown 'Alpha' radio protocol |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x CR123 Lithium 3V (LI03V) battery (supplied) 5 year | EN50131-1 Security Grade 2, Environmental Class II | Front cover and wall mounting | 100 x 22 x 23mm | -10°C to 55°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

## DFS8M Wireless Smoke Sensor with Built in Sounder

| | |
|---|---|
| **Detection Range** | Detection 100m² (coverage area may vary depending on room layout) |
| **Technology** | Optical smoke detection |
| **Sounder level** | Built-in siren 85dB(A) @ 3m |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x sealed Lithium battery (supplied) 10 years | EN14604 - NF292 | N/A | Ø120 x 45mm | 0° to 40°C | Domonial, Sucre Box and Total Connect Box |

* Protocol dependent

## C08M Electrochemical Wireless Carbon Monoxide Sensor

| | |
|---|---|
| **Technology** | Electrochemical sensor |
| **Sounder level** | Piezoelectric siren 85dB(A) @ 3m |

### Specification

| POWER/BATTERY LIFE* | APPROVALS | ANTI-TAMPER | DIMENSIONS | OPERATING TEMP. RANGE | COMPATIBILITY |
|---|---|---|---|---|---|
| 1 x sealed Lithium battery (supplied) Up to 6 years | BS EN 50291- 1:2010 standard | N/A | 120 x 105 x 45mm | -10°C to 40°C | Galaxy Dimension, Galaxy Grade 2 and G2 with wireless receiver (C079-2) Domonial, Sucre Box and Total Connect Box |

# WIRED SENSORS

The Honeywell range of internal motion detectors offers a simple, reliable and cost effective solution to meet the requirements of most installation needs.

The full range of wired sensors includes Grade 2 and Grade 3 PIR and K-band DUAL TEC® sensors, in wall ceiling or flush mount versions and quad, pet tolerant, anti-masking, and temperature compensation options.

## Security Grade 3 Motion Sensors

| | PART NUMBER | DESCRIPTION | RANGE | POWER | DUALCORE™ & TAMPER | TECHNOLOGY & DIAGNOSTICS | OPERATING TEMPERATURE | RELAY |
|---|---|---|---|---|---|---|---|---|
| | DT900AM-UK | Intellisense DUAL TEC® Dual Technology Detector | 27m x 21m - 15m x 12m (selectable to 15m x 12m) | 10~15V DC, 50mA @ 12V DC | Advanced DualCore™ Signal Processing Cover and pry-off tamper switch | X-Band technology, frequency: 10,687 Ghz | -10°C to 49°C | Separate trouble relay |
| | DT906AM-UK | Intellisense DUAL TEC® Dual Technology Detector | 61m x 6m - 37m x 3m (selectable to 37m x 3m) | 10~15V DC, 50mA @ 12V DC | Advanced DualCore™ Signal Processing Cover and pry-off tamper switch | X-Band technology, frequency: 10,687 Ghz | -10°C to 49°C | Separate trouble relay |
| | DT8016AF5 | Intellisense Anti-Mask DUAL TEC® Dual Technology Detector with MaskAlert™ | 16 x 22m | 9 ~ 15V DC, 9mA @ 14V DC | Advanced DualCore™ Signal Processing | X-Band technology Concurrent diagnostics, Built in EOL resistors | -10°C to 55°C | Separate trouble relay |
| | IS3016A | PIR Motion Sensor with Anti-Mask | 16 x 22m | Current 7mA @ 12V DC | Cover and pry-off tamper switch | Built in EOL resistors | -10°C to 55°C | Separate trouble relay |

# WIRED SENSORS

## Security Grade 2 Motion Sensors

Honeywell has a wide range of Security Grade 2 motion sensors including PIR and DUAL TEC® options to complement the Galaxy Grade 2 and G2 ranges of hybrid control panels.

| | PART NUMBER | DESCRIPTION | RANGE | POWER | TECHNOLOGY | TEMPERATURE | TAMPER | OTHERS |
|---|---|---|---|---|---|---|---|---|
| | DT7360-UK | Ceiling Mount DUAL TEC® detector | 360° - 15m diameter | 10 - 14.5V DC, 40mA @ 12V DC | K-Band technology, advanced DualCore™ Signal Processing | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | N/A |
| | DT8016MF5 | DUAL TEC® Dual technology detector | 16m x 22m | 9 - 15V DC, 9mA @ 12V DC | X-Band technology, advanced DualCore™ Signal Processing, Passive infrared part with Mirror optics | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | Adjustable microwave, plug-in electronics and built in EOL resistors |
| | DT8016F5 | DUAL TEC® Dual technology detector | 16m x 22m | 9 - 15V DC, 9mA @ 12V DC | X-Band technology, advanced DualCore™ Signal Processing | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | Adjustable microwave, plug-in electronics and built in EOL resistors |
| | DT8012F5 | DUAL TEC® Dual technology detector with Pet Immunity to 45 kg | 12m x 17m | 9 - 15V DC, 9mA @ 12V DC | X-Band technology, advanced DualCore™ Signal Processing | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | Adjustable microwave, plug-in electronics |
| | IS3016 | PIR Motion Sensor | 16m x 22m | 9 - 15V DC, 7mA @ 12V DC | Passive infrared Fresnel lens | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | Built in EOL resistors, plug-in electronics |
| | IS3012 | PIR Motion Sensor with Pet Immunity to 45 kg | 12m x 17m | 9 - 15.4V DC, 7mA @ 12V DC | Passive infrared Fresnel lens | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | Plug-in electronics |
|  | IS312 / IS312B | PIR Motion Sensor with Pet Immunity up to 36 kg | 12m x 17m | 9 - 15VDC, 9mA @ 12V DC | Passive infrared Fresnel lens | Operating temperature: -10°C to 55°C | Cover tamper switch | Wall and ceiling mount bracket (IS312B) |
| | IS25100TC | PIR Motion Sensor | 30m x 6m | 8.5 - 15V DC, 11mA @ 12V DC | Passive infrared Fresnel lens | Operating temperature: -10°C to 55°C | Cover and pry-off tamper switch | N/A |

# Honeywell | Full range of wired motion sensors

**DT7360-UK**

**DT906AM-UK**

**DT900AM-UK**

**DT8016AF5**

**DT8016MF5**

**IS3016A**

**DT8016F5**

**IS3016**

**DT8012F5**

**IS3012**

**IS312**

**IS312B**

More details on the symbols

# WIRED MOTION SENSOR IS3000 AND DT8000 SERIES

Interactive presentation of the new wired PIRs and DUALTEC® sensor range. It shows the features and benefits, and includes a replacement tool to migrate from the existing IS2500/DT7000 range to the new range. Available in English.

https://play.google.com/store/apps/details?id=air.sensors.uk

Download on the App Store

GET IT ON Google Play

https://itunes.apple.com/gb/app/honeywell-security-is3000/id1120635447?mt=8

# WIRED SENSORS

## Accessories

| PART NUMBER | DESCRIPTION |
|---|---|
| ECO1000BREL12L | PIR with dual slope temperature compensation |
| ECO1000BREL12NL | PIR with dual slope temperature compensation and built in microphone to facilitate alarm verification |

## Water Detector and Temperature Sensor

| | PART NUMBER | DESCRIPTION | TECHNOLOGY | TEMPERATURE | POWER / OUTPUT | DIMENSIONS |
|---|---|---|---|---|---|---|
| | TS300 | Dual Temperature Sensor | Monitor the temperature at the unit and at a remote location (using a T280R) simultaneously | - 0° to +60°C With T280R probe: -40° to +60°C | 7 to 16V DC / Form A reed relay | 102 x 66 x 23mm (h x w x d) |
| | 470-12 | Water Sensor | Designed to allow water or any conductive non-flammable liquid to be detected (Includes one remote water probe 470PB ) | -5° to +55°C | 12V DC / Form C Relay | 57 x 101 x 70mm (470-12) 25 x 51 x 13mm (470PB) (h x w x d) |

## Glassbreak Sensors

Honeywell's trusted and versatile FlexGuard® glassbreak sensors are among the toughest in the industry providing reliable protection for glass areas which are most vulnerable to attack. Seismic and shock sensors complement the range of wired sensors and are compatible across the Galaxy range.

| | PART NUMBER | DESCRIPTION | RANGE | SENSITIVITY | GLASS | TECHNOLOGY | POWER | TAMPER |
|---|---|---|---|---|---|---|---|---|
| | FG1625TAS | FlexGuard Glassbreak Detector | 7.6m - 360° (adjustable range up to 7.6m) | Selectable | All glass types | Mount anywhere, surface mount design | Power requirements: 6~18V DC, 12mA @ 12VDC | ✓ |
| | FG1615T | FlexGuard Glassbreak Detector | 4.6m maximum, omnidirectional no minimum range | Selectable | All glass types | Mount anywhere, surface mount design Compatible with the FG701 Glassbreak simulator | Power requirements: 6 ~ 18 VDC, 12mA typical @ 12 VDC | ✓ |
| | FG1025Z | Glassbreak Detector with Exclusion Zone | 7.6m range / no minimum range | Four adjustable sensitivity settings | All glass types | Patented Time-of-Arrival processing with dual microphones improves false alarm immunity in its 'Exclusion Zone' | Remote test mode activation 18 VDC, 12mA typical @ 12 VDC | ✓ |
| | FG701 | Glassbreak Simulator | Up to 4.6m | ✗ | All glass types | Compatible for testing all Honeywell glassbreak detectors | ✗ | ✗ |

# WIRED SENSORS

## Seismic Sensors

| | DESCRIPTION | REMOTE TEST OPTIONS | INTEGRATED TEMPERATURE ALARM | SMALLEST SENSOR ON THE MARKET | TECHNOLOGY | POWER | REMOTE TEST ELECTRONICS |
|---|---|---|---|---|---|---|---|
| | Universal seismic sensor which can be used to protect vaults, strong rooms, doors, fixed ATMs, safes and other solid structures | ✓ | ✓ | ✓ | Easy to set with diagnostic LED ATM/vault selection by switch | Low current consumption | Remote test electronics or test with external test transmitter |

## Order references

| PART NUMBER | DESCRIPTION |
|---|---|
| SC100 | Seismic sensor for safes, vaults, ATMs, night deposit safes |
| SC105 | Seismic sensor for portable ATMs, ticket/vending machines etc |
| SC110 | Mounting plate |
| SC111 | Movable mounting kit |
| SC112 | Keyhole protection kit |
| SC113 | Internal test transmitter |
| SC114 | 1.80m armed cable kit (8 wires) |
| SC115 | External test transmitter |
| SC116 | Wall recess mounting kit |
| SC117 | Floor recess mounting kit |
| SC118 | Spacer for SC112 |

# SEISMIC MULTI-LINGUAL PRESENTATION

Interactive presentation of the SC100/SC105 seismic sensors and their accessories. It gives the main features and benefits of the product for the installers and for the end-users. It includes English, French, Dutch, Italian, Spanish, Czech, German and Russian versions in one App with flags to select the language from the home page.

https://play.google.com/store/apps/details?id=air.sc100demo.animation

Download on the App Store

GET IT ON Google Play

https://itunes.apple.com/gb/app/honeywell-security-sc100-seismic/id1122093907?mt=8

# WIRED SENSORS

## Viper Shock Sensors

The Viper perimeter products offer an extensive range of shock sensors tailored to the needs of both the installer and the end user. When it comes to Perimeter Protection, Viper has become a "household name" accepted by all as the market leader with over two million units fitted worldwide.

| | PART NUMBER | DESCRIPTION | WALK TEST | SENSITIVITY | 5MA QUIESCENT | TECHNOLOGY | FIRST TO ALARM CAPABILITY |
|---|---|---|---|---|---|---|---|
| | VIPER GLX | ASIC controlled shock sensor | Walk test facility LED can be left to flash for deterrent if desired/held off or controlled remotely | Dual sensitivity control, auto reset of relay contacts | ✓ | Switch selectable patented Double Knock and Remote LED reset option | ✓ |

### Order references

| PART NUMBER | DESCRIPTION |
|---|---|
| PC.09000.20 | Viper GLX White |
| PC.09000.50 | Viper GLX Brown |

| | PART NUMBER | DESCRIPTION | WALK TEST | SENSITIVITY | 5MA QUIESCENT | TECHNOLOGY | FIRST TO ALARM CAPABILITY |
|---|---|---|---|---|---|---|---|
| | VIPER GL | ASIC controlled shock sensor | Walk test facility LED can be left to flash for deterrent if desired/held off or controlled remotely | Dual sensitivity control, auto reset of relay contacts | ✓ | Switch selectable patented Double Knock and Remote LED reset options via link | ✓ |

### Order references

| PART NUMBER | DESCRIPTION |
|---|---|
| PC.09003.20 | Viper GL White |
| PC.09003.50 | Viper GL Brown |

| | PART NUMBER | DESCRIPTION | WALK TEST | SENSITIVITY | 5MA QUIESCENT | TECHNOLOGY | FIRST TO ALARM CAPABILITY |
|---|---|---|---|---|---|---|---|
| | VIPER GLX + Contact | ASIC controlled shock sensor with integral door contact fitted within the alarm loop | Walk test facility LED can be left to flash for deterrent if desired/held off or controlled remotely | Dual sensitivity control, auto reset of relay contacts | ✓ | Switch selectable patented Double Knock and Remote LED reset options via link | ✓ |

### Order references

| PART NUMBER | DESCRIPTION |
|---|---|
| PC.09004.20 | Viper GLX White with contact |

# WIRED SIRENS

## Sirens

| | PART NUMBER | DESCRIPTION | SOUNDER LEVEL | LENS COLOUR | POWER SUPPLY | BATTERY LIFE | FRONT & REAR ANTI-TAMPER | DIMENSIONS |
|---|---|---|---|---|---|---|---|---|
| | SP20ST | Indoor Siren | 94.4dB @1m | No lens | 9-18V DC | N/A | Cover tamper protected | 110 x 95 x 46mm (h x w x d) |

# ADPRO PRO E PIR FOR OUTDOOR PERIMETER APPLICATIONS

## Passive infrared detection

The ADPRO PRO E series of passive infrared detectors delivers exceptional perimeter protection. The PIR's are available in short and medium range volumetric models as well as medium and long range curtain models, so provide a high level of flexibility.

Via alarm outputs the PRO E PIRs work with Honeywell intruder detection systems. The full integration into the ADPRO FastTrace 2E, iFT and iFTE or HeiTel CamDisc(+) E and ipVG NVR platforms offer additional features and an alarm transmission with a full audit trail.

### Suitable applications

- Critical Infrastructure
- Construction
- Power Generation
- Solar and Wind Farms
- Warehousing and Production
- Retail Supply Chain
- Logistics
- Sports Facilities
- Healthcare
- Education
- Government Buildings

### Sophisticated Tamper Protection

All ADPRO PRO E-detectors monitor:

- Opening of detector housing and mounting bracket cover
- Horizontal, vertical and pitch alignment
- Slow horizontal movements with the help of an integrated switchable digital compass
- Removal from mounting surface
- Anti Masking

These features fullfill the highest tamper protection requirements and ensure reliable operation in the highest graded security applications.

### Key Features and Benefits

- Up to 40% cost savings in comparison to other Outdoor PIR systems
- 360PROtect® - In-built creep zone detection that delivers 360º protection
- Short, medium and long ranges available, so ideal with large complex projects to small and compact
- Can be mounted up to 4 meters in height for greater protection against tamper and vandalism
- Universal cable managed bracket for both wall and pole mounting
- One man commission capability using the iCommission tool and free iCommission app
- H version available with up to 25% improved detection patterns and heater for installations where moisture and/or large variations in temperature can happen
- IP66 capability for a maximum outdoor protection against dust and water ingress
- Full IP integration possible though PoE IP modules

# ADPRO PRO E PIR FOR OUTDOOR PERIMETER APPLICATIONS

## Order references

| PART NUMBER | DESCRIPTION |
|---|---|
| CH10055001 | PRO E-18, PIR-PID, VOL, 24x21m, AA50 , BSS CMB HDPE filter |
| CH10055101 | PRO E-18H, PIR-PID, VOL, 30x27m, AA50 , BSS, CMB, heater, SIWA filter |
| CH10053001 | PRO E-18W, PIR-PID, VOL, 21x24m, AA90, CMB, HDPE filter |
| CH10053101 | PRO E-18WH, PIR-PID, VOL, 27x30m, AA90, BSS, CMB, heater, SIWA filter |
| CH10063001 | PRO E-30, PIR-PID, VOL, 30x20m, AA50 , BSS CMB HDPE filter |
| CH10073001 | PRO E-40, PIR-PID, VOL, 40x10m, AA15 , BSS CMB HDPE filter |
| CH10023001 | PRO E-45, PIR-PID, CUR, 50x3.3m, AA3.8 , BSS CMB HDPE filter |
| CH10023101 | PRO E-45H, PIR-PID, CUR, 60x3.9m, AA3.8, BSS, CMB, heater, SIWA filter |
| CH10033001 | PRO E-100, PIR-PID, CUR, 120x2.7m, AA1.3 , BSS CMB HDPE filter |
| CH10033101 | PRO E-100H, PIR-PID, CUR, 150x3.3m, AA1.3, BSS, CMB, heater, SIWA filter |
| CH10100001 | PRO E-400H, PIR-PID, CUR, 200x3.3m, AA1.3, BSS, CMB, heater, SIWA filter |

## Accesories

| PART NUMBER | DESCRIPTION |
|---|---|
| CH12003001 | iCommission, remote PRO E- series vertical alignment tool, WLAN controlled, cased |
| CH19000301 | IFM-485-ST - Interface Module, bi-directional communication, w/ cables, w/ FW-/SW-CD. Please order article 2203 separately in case of using the interface module in conjunction with HeiTel Video Gateways. |
| CH12005001 | PRO E-IPM- Pluggable IP module for connecting the ADPRO PRO E detector to a network, power is supplied via Power-over-Ethernet (PoE) |
| CH18000101 | Telescope for precise adjustment of medium and long range PRO E detectors |
| CH12100001 | PRO E-IFM-RF - USB Interface Module for PRO E-RF-detector configuration |
| 49975600 | PRO PIR Detector HLI (PIR-HLI) - License to enable the connection of up to 32 PRO PIR Detectors on RS485 datalink to FastTrace 2, FastTrace 2X, iFT, iFTE or iFT Gateway. Note: This license is needed in conjunction with the ADPRO iPIR (iPhone/iPad) Walktester App. |
| 202483 | CT PRO 2 - Walk Tester, 150m, 2.4GHz |
| CH11001201 | Adapter for Alignment Telescope PRO E-Series PIR Detectors |

# INTEGRATED SECURITY

Scan for more information about HIS Integrators

security.honeywell.com/uk/systems/ss/dealer

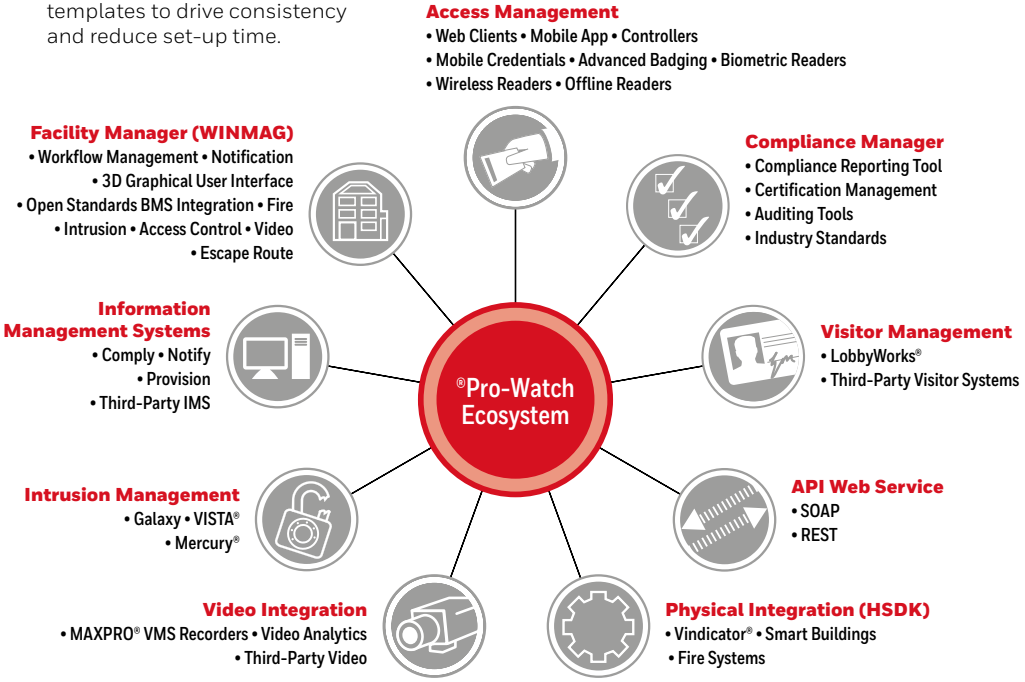
CONTENTS


| | |
|---|---|
| **Pro-Watch** | **109-111** |
| Pro-Watch Ecosystem | |
| Pro-Watch® 4.3.5 Security Management | |

# PRO-WATCH ECOSYSTEM

Honeywell's Pro-Watch® suite provides comprehensive and powerful security solutions to meet the needs of the most demanding security management requirements. The Pro-Watch® platform is composed of an interconnected ecosystem that enables organisations to optimise their security system to best fit their needs and goals. From logical and physical integration, to management of intrusion, access control and video surveillance, the Pro-Watch® ecosystem provides practical applications to manage every aspect of a security installation.

- **Alarm and Event Management**
  View alarms and video data across multiple inputs using a single user interface while reducing training costs.
- **Video Surveillance**
  Integrate IP and analogue components—cameras, DVRs, NVRs—and associate with entry points to view live or recorded video.
- **Logical Integration**
  Configure and display device connectivity using predesigned templates to drive consistency and reduce set-up time.
- **Visitor Management**
  Manage access control for employee/visitor badgeholders with built-in pre-registration, desktop notifications and watch lists.
- **Mass Notification**
  Automate notification of informational or mission critical messages to individuals, groups or large communities.
- **Physical Integration**
  Honeywell Software Development Kit (HSDK) ties building automation systems with security technology without the need to write code.



# PRO-WATCH® 4.3.5 SECURITY MANAGENT

Honeywell's Pro-Watch® equips organisations with the right tools to protect people, secure assets and ensure regulatory compliance by combining access control, digital video, intrusion and other functions into one powerful system.

The Pro-Watch® suite offers base software licenses that address security needs from small sites to global enterprises.

### Pro-Watch Lite Edition

- Basic functionality for the small business
- Support for up to 32 doors on PW-series panels
- Badging not included

### Pro-Watch Professional Edition

- Complete security functionality for medium-sized organisations
- Support for up to 64 doors
- Suitable for organisations requiring integrated processes or regulatory compliance

### Pro-Watch Corporate Edition

- Complete security for larger organisations and campuses
- Additional high availability options make this edition the optimal choice for organisations requiring 24/7 business continuity plans for their security system

### Pro-Watch Enterprise Edition

- Global security system
- Merges multiple Pro-Watch Corporate Edition systems to efficiently manage badgeholder data and report on events across the organisation

**Scan for more information about ProWatch 4.3.5**

**security.honeywell.com/uk/systems/ss/dealer**

# PRO-WATCH® 4.3.5 SECURITY MANAGENT

The PW-Series modular control system is an advanced access control hardware architecture capable of providing solutions for large enterprise applications whilst the Intelligent Controller provides power and flexibility with its 32-bit architecture, TCP/IP support, flash memory, large local cardholder database and large reader and I/O module support. The new PW6K1ICE and PW6K1R1E form an Ethernet ready, cost effective system capable of controlling a single opening. The controller and reader module are configurable for either Wiegand or OSDP.

### PW6K1ICE Single Door POE Intelligent Controller

- PoE or standalone power supply
- Supports one doors worth of I/O with IN and OUT readers
- PoE can power all door I/O devices such as readers, door position switch, request to exit and door strike
- Sized to be mounted at the door in an appropriate enclosure
- Supports up to 16 PW6K1R1E PoE reader modules on the same network subnet
- Supports up to 32 time zones per panel
- Triggers and procedures support
- Hard/soft/timed anti-passback

### PW6K1IC Intelligent Controller

- Up to 12 intervals per time zone
- 9-digit (32-bit) user ID standard / 15-digit maximum
- Activation and deactivation dates by card
- Up to 32 access levels per card or individual time zones per readers
- Anti-passback support
- Up to eight card formats per reader
- Operating modes include locked, unlocked, facility code, card only, card and PIN, card or PIN, and PIN only PW6K1R2, PW6K1OUT, PW6K1IN Access Modules User programmable relay and alarm outputs
- RS485 communication to all modules
- Any combination of 32 I/O or reader modules may be connected to the PW6K1IC RS485 port
- Analogue to digital converter technology provides digital filtering and input conditioning
- Supports multiple reader and card formats for maximum flexibility and security options
- Supports Normally Open/Normally Closed supervised and nonsupervised circuits

### PW6K1R1E Single Door POE Reader Module

- PoE or standalone power supply
- Supports one doors worth of I/O with IN and OUT readers
- PoE can power all door I/O readers, door position, request-to-exit and door strike
- Sized to be mounted at the door in an appropriate enclosure
- Can be linked to either a PW6K1ICE or PW6K1IC controller
- Up to 16 PW6K1R1E single door PoE reader modules can be connected to a controller on the same network subnet

### Enclosures and Power Supply

- **PW5K2ENC1** PW-Series high density enclosure (power supply and battery not included)
- **PW5K2ENC2** PW-Series high density enclosure for 19" rack installations (power supply and battery not included)
- **PW5K1ENC3** PW-Series remote enclosure
- **PW6K2E2PS** 12v 4Amp Power supply for PW6000 systems in PW5K2ENC1 and PW5K2ENC2 housings

**For additional information,**
please visit www.honeywell.com/security/uk

All other company names and products are trade names, trademarks or registered trademarks of their respective companies.

Honeywell is a registered trademark of Honeywell International, Inc.

PRODUCT SHOWCASE **v16**

**Honeywell Security Group**
Aston Fields Road
Whitehouse Industrial Estate
Runcorn
Cheshire
WA7 3DL
Tel: 08448 000 235
www.honeywell.com

HSG-SHOWCASE-09-UK(0919)SB-C
September 2019
© 2019 Honeywell International Inc.

THE FUTURE IS WHAT WE MAKE IT

Honeywell