

**Honeywell** | Building Solutions

**MAKING  
THE WORLD  
SMARTER  
SAFER  
AND MORE  
SUSTAINABLE.**



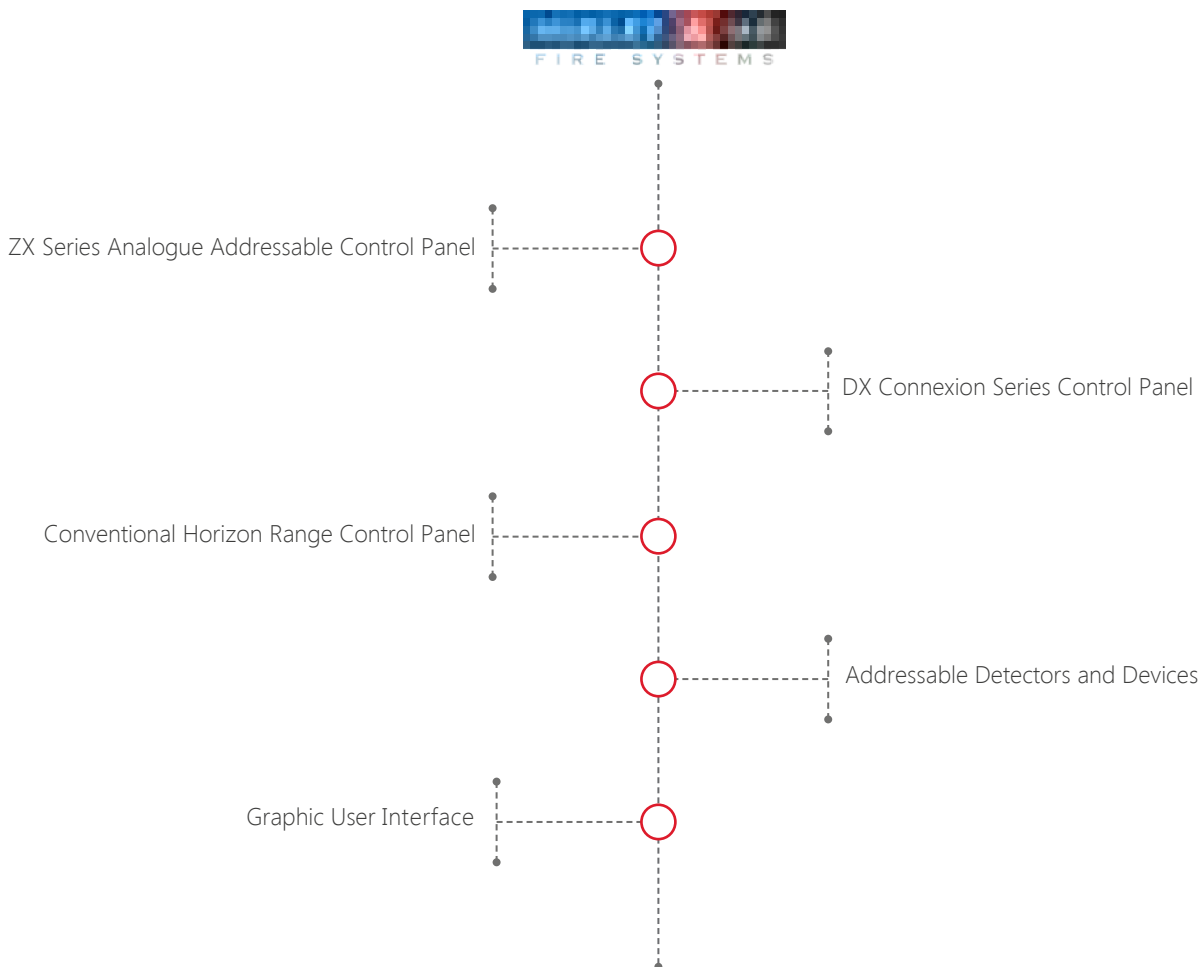


**THE FUTURE IS WHAT WE MAKE IT**  
**HONEYWELL CONNECTED ENTERPRISE**

# Honeywell Morley-IAS

Honeywell Morley-IAS has a well established reputation for quality products with first-class support. The wide range of products from Honeywell Morley-IAS offers you the freedom to design a system that best suits your needs with the option to create, add, and enhance, whenever and however you wish. Our extensive network of trained distributors and installers gives building owners and managers the freedom to choose the installer and/or maintenance provider that best meets their requirements.

Our ethos is to supply quality products that meet local legislation. All of our fire detection and alarm control panels are independently tested and certified by LPCB to ensure compliance with EN54 Part 2 and Part 4. The carefully planned evolution of our products over many years ensures that a system purchased yesterday meets the needs of today and can easily grow to satisfy the requirements of tomorrow.



# The New DX Connexion Range

## Multi-Protocol, Analogue Addressable, Networkable Fire Alarm Control Panels Available with 1, 2 or 4 Loops

The Morley-IAS DX Connexion panel is ideally suited for use in the protection of small to medium sized buildings.

A simple to use, compact, high performance, feature rich, economical fire alarm control panel designed to help both the installer and the end user.

This panel range replaces the current Dimension range, bringing additional features as well as a networking capability.

### Key Features

- Easy set-up – 5 button presses for a working fire alarm system
- Simple menu structure
- Large, easy to use display
- Networking options up to 16 loops
- Option to upload your company logo
- Mobile phone style keypad and navigation keys



# ZXSe Range

## Analogue Addressable Alarm Control Panels Available with 1, 2 or 5 Loops

The ZXSe range of intelligent fire alarm control panels has been designed to assist with the normal operation of a fire detection system. Standard weekly testing is available through a simple menu structure allowing selection of the zones to be tested either with or without activation of the output relays or sounders..

### Key Features

- Multi-protocol
- Modular concept
- Easy to install & maintain
- Easy to network & configure
- Up to 200 zone LEDs
- Up to 10 individual level 2 user access codes
- Networking Up to 99 Control Panels



## Detectors

The new series of Morley-IAS sensors incorporate major hardware and software technology driven developments. A completely new optical chamber design is proven in extensive testing to be more efficient, less liable to false alarm due to dust and insects and less susceptible to fault in high air velocities or back pressure. Extensive hydrodynamic modeling has confirmed the greater efficiency of the new chamber and housing shape combination. Large-scale integration of the all-new electronics, through the fully automated surface mount PCB assembly, coupled with in-line testing through the manufacturing process, laser PCB cutting along with a completely new compound of plastic offers improved quality and reliability

All detectors are environmentally friendly and meet the WEEE and RoHS legislative requirements which minimize the end of life disposal costs.



### FEATURES & BENEFITS

- Available with or without short circuit isolation.
- Isolator per device allows faster, more precise fault finding.
- Rotary decade address switches.
- Ivory color to harmonize with the modern built environment.
- 100% mechanical and electrical backwards compatibility.
- New base design to complement the detector and ease installation and wiring.

## Manual Call Point

These Series Manual Call Points are designed to provide a manual alarm interface to Morley IAS's fire alarm control panel.

Installation efficiency, flexibility and compliance with the latest standards are at the heart of the call point range.

The unique 'plug n play' concept is designed specifically to reduce installation time by using a terminal block which can be wired during the initial installation cabling with a link (P102) to provide continuity for testing. During the commissioning phase, the links are removed and the terminal block is simply inserted into the connector at the back of the unit. No re-termination is required.



### FEATURES & BENEFITS

- Unique plug and play installation concept
- Resettable, unbreakable flexible element option
- Analogue addressable communications
- Semi-flush and surface mount option Integrated LED
- Integral loop isolation
- Conforms to EN54-11
- LPCB approved

# Intelligent AV Devices

Morley-IAS's new modular range of Intelligent AV warning devices provides easier system configuration and flexibility. A common base across AV and detectors is available, allowing for easier installation and ordering.

These devices are all available with isolators, providing you with a flexible approach and allowing for easier fault-finding on the loop. Individual tone and volume settings and sounder tone synchronisation can be adjusted from the panel enabling the sound intensity to be adjusted to suit the application.



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- 32 built-in tones
  - Lower power requirements
  - Optional IP65 rating
  - Optional built-in isolator
  - Anti-Tamper feature
  - CPD approved
  - LPCB approved in accordance to EN54 part-3, EN54 part-17 & CPD

## GRAPHIC USER INTERFACE

### Visualeyez

Visualeyez is a pictorial and textual aid to help you manage an alarm activation within your work place. It can be programmed to suit any application including: Hospitals, Universities, Prisons, Hotels, Industrial and Commercial buildings. Visualeyez is designed to present the information in a simple, clear and user friendly way, allowing rapid comprehension of the situation.

In addition to the basic function of displaying alarms at a common location, the system also offers the ability to record and analyse both alarms and non-alarm events. This provides the building's engineers or management with the tools they need to analyse alarms, faults, review events, assess problems and plan their maintenance and false alarm prevention strategies.

### TG-DXC

TG-DXC is a graphic support software to manage and visualize DXc Fire Alarm control panels events easily, quickly and efficiently.

It is an intuitive software which allows a real knowledge of all the installation events with optimum performance.

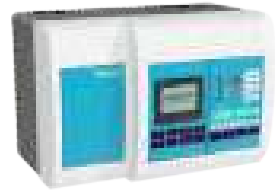


# VESDA Aspirating Smoke Detection(ASD)

**The world's leading ASD brand**

VESDA very early warning smoke detection solutions provide the earliest possible warning of an impending fire hazard. VESDA buys time to investigate an alarm and initiate an appropriate response to prevent injury, property damage or business disruption. And because VESDA has the industry's widest sensitivity range and multi-level alarms, even minute levels of smoke can be detected before a fire has time to escalate.

As the world's leading ASD brand specified by fire professionals around the world, VESDA is synonymous with reliable, high-performance fire detection.



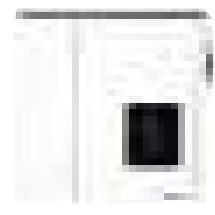
**VESDA VLP**



**VESDA-E VES**



**VESDA VLF**



**VESDA-E VEA**



**VESDA VLI**



**VESDA-E VEU**

# **PROTECTING PEOPLE, ASSETS AND CONTINUITY**







## Building Management Systems

Leverage the power integration to simplify your building management

## HVAC and Building Management Systems(BMS)

### Enable Smarter Buildings

In order to increase operational and energy efficiency, you are looking for new ways to make managing your facility easier. Honeywell can successfully integrate, install and maintain building management systems and provide life cycle support for facilities like yours, making it easier to increase comfort, safety and security for your occupants.

We offer a scalable range of building management and intelligent building solutions and services from individual subsystems to fully integrated intelligent buildings that reduce risk while delivering world class operating and energy efficiency.

- Open protocol management – all major global industry open standards supported
- Energy management dashboards and automated control algorithms
- Utility monitoring for electrical, steam, gas, oil and water
- ComfortPoint® Open BACnet HVAC controls
- BMS Hardware and Software Maintenance Service
- Direct support for prior generations of controls to protect your investment

### Simplify Your Facility Operations

Traditional building management systems typically have stand-alone applications with separate monitoring and control stations for HVAC Controls, energy metering and power management, central plant equipment and lighting. While each application is beneficial on its own, the real power lies in managing them as one, intelligent solution.

With Honeywell, you can adopt a single point of control by integrating new and existing building systems through affordable, customized solutions and realize many benefits, including:

- Enterprise-wide view and automated building control processes
- Information sharing between departments
- Increased productivity and operational efficiency
- Improved response time to events
- Reduced installation and life cycle costs

Our cost-effective open architecture supports leading open industry standards including BACnet®, Niagara™, OPC®, LonWorks® and Modbus™.

# Increase Occupant Comfort and Safety

Honeywell building control technology helps meet the comfort and safety needs of your occupants while also increasing your operational and energy efficiency through a full range of HVAC, energy, lighting, air quality, gas detection, and smoke management solutions. The single coordinated view of these systems, and their synchronized response, promotes a safer and more energy efficient building every day and better response in the event of an emergency. Modern buildings today contain diverse technical subsystems to automate or monitor the different aspects of the building. Most common subsystems include :

- Heating, Ventilation, and Air Conditioning systems (HVAC) to maintain a comfortable indoor climate
- Fire and smoke detection systems to ensure safety of the building users
- Intrusion detection and video surveillance systems to prevent unauthorized access to the building
- Access control systems to grant or revoke access of building users to defined areas of the building
- Lighting and blind control system



## Field devices

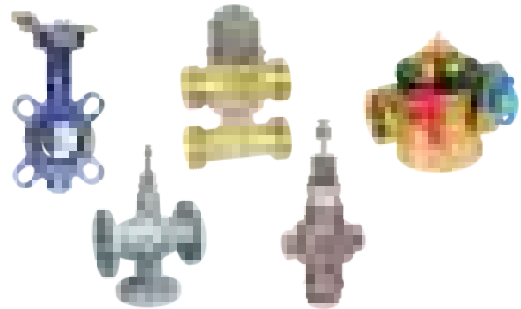
The energy efficient operation of any facility is based on the precise and reliable operation of field devices, such as sensors, valves and actuators. Exact measurement of temperature, humidity, air quality, pressure, presence and many more builds the basis for any control strategy. In addition, a wide range of valves and actuators is needed to manage the flow of air and fluids in the most energy efficient way.

Honeywell is supplying the complete range of field devices. Being tested and approved for usage with Honeywell controllers and workstations they ensure precise and reliable measurement and operation of a building's control strategy.

### Valves

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Accurate control valves, including 2-way and 3-way linear valves, with sizes up to DN200. Made from high quality materials for several mediums with extended temperature and pressure ranges up to 220°C and 40 bar.



### Actuators

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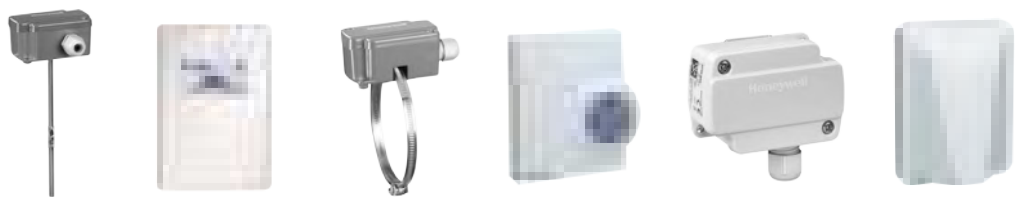
Complete choice of actuators from thermic, linear and rotary through to direct coupled actuators for air dampers, ventilation flaps, louvres and VAV-units. Spring return function for safety applications as options for direct-coupled actuators.



### Sensors

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Honeywell sensors, proven reliability, offering a wide range of sensors to fit almost any HVAC application need. A range of precise sensors for temperature, humidity, air quality and pressure measurement.



### Thermostats

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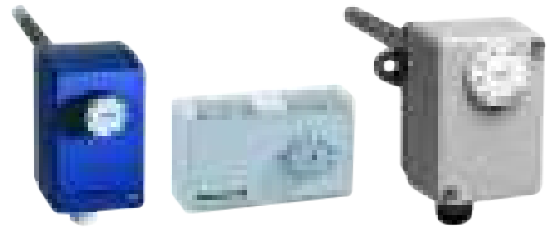


Complete thermostat portfolio, ranging from simple mechanical and digital room thermostats for basic room climate control to advanced thermostats for integration into building automation systems.

## Humid & Thermal Switches

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The duct and room hygrostat are designed for monitoring relative humidity in air conditioning systems and climatic chambers and for controlling air humidifiers and dehumidifiers in buildings.



## Pressure Switches & Sensors

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This universal pressure switch can be used in general mechanical engineering and the printing machine industry, as well as in pneumatics and hydraulics. Differential pressure switches e.g. for monitoring filter, fan, fire damper, or air flow status of air handling systems.

## Frequency Inverters

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Honeywell variable frequency drives (VFDs) maximize energy savings by modulating the speed of fans and pumps in HVAC systems.



## Metering

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Honeywell sub meters provides instant information right at the installed location and work seamlessly with other controllers so compatibility with the BMS is never an issue.

## Controllers

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Comprehensive line of connected building management controllers for a variety of applications including HVAC and non-HVAC systems (e.g. lighting, security, life safety) in a building and across multiple buildings. It therefore supports all common communication protocols, such as BACnet, LON, Modbus, M-BUS, KNX IP, Fidelio, SNMP, C-Bus and many more.

### **Simply Smart Comfort Point® Open BMS**

The Honeywell Comfort Point Open Building Management System (BMS) is a building automation system with open native BACnet® integration capability, designed to help streamline processes, simplify operations, reduce cost through actions from energy consumption reporting, and deliver results with enhanced consistency. For both new build and retrofit projects, the powerful, scalable system supports new levels of efficiency and functionality in today's buildings, while providing an informative and accessible building and energy management system to optimize building performance.

### **Why specify ComfortPoint Open BMS?**

- Easy to integrate
- Reduce energy consumption
- Sets industry standards
- Increase client productivity and operational savings
- Specifying made simple
- Flexibility to grow and expand
- Optimize building performance



## Plant Controller - CPO-PC-6A

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Native BACnet IP Plant Controller

BTL listed, (B-BC) Building Controller profile

Four RS-485 interfaces for BACnet MS/TP, ModBus, Panel Bus, Field Bus and I/O Bus

Two Ethernet ports

One RS232 serial port

24 Vac/DC power supply

256 hardware points, 1500 software points, 100 time schedules and 64 control loops

Built-in BACnet router, no need to add external BACnet router

Built-in web server for browser connectivity

LEDs indicating the transmission/reception, Alarm LED and power LED

Built-in advanced diagnostics



## CP-IPC & CP - Core

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Native BACnet IP Plant Controller

BTL listed, (B-BC) Building Controller profile Built-in

BACnet Router & BBMD support

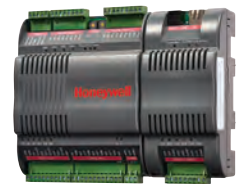
Built-in Web Browser Interface & Diagnostics

(CP-IPC only) 24 I/O On-Board: 8UI, 6BI, 6AO, 4 DO

(CP-IPC only) 256 I/O supported via I/O modules

BACnet MS/TP for 30 devices/bus; total of 90 devices

Modbus Serial communication support



## Expansion I/O - CP-EXPIO

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DIN-rail or wall mount

24 VAC  $\pm$  20%, 50/60 Hz, 15 VA

Mix of 24 input and outputs

- 8 Universal inputs
- 6 Binary inputs
- 6 Analog outputs
- 4 Digital outputs (24VAC triacs with LED)

Maximum fifteen CP-EXPIO modules per one plant controller

Powerful processor to support faster I/O scanning

Flexible and easy configuration with ComfortPoint Open Studio



## Digital I/O Controller - CPO-DIO

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DIN-rail or wall mount

BACnet, BTL listed, (B-AAC) profile Expansion I/O

Bus comm. for CPO Plant Controllers 24 VAC  $\pm$

20%, 50/60 Hz, 15 VA Mix of 32 onboard I/Os

- 8 Universal inputs
- 8 Binary inputs
- 16 Digital outputs (Triac™ outputs)

Enhanced performance with 32-bit technology

Maximum fifteen CPO-DIO modules per one plant controller

Flexible and easy configuration with ComfortPoint Open Studio



## Field Bus Adapter Modules

Microprocessor-controlled bus interfaces, providing additional bus capability (with communication and power)

Supports four connected field devices such as sensors or actuators

Plug-and-play functionality

Screw terminals for fast wiring

Suitable for wall mounting, DIN-rail-mounting and junction-box mounting

Two LEDs for visual trouble indication

Up to 30 modules on a bus

Four models with variety of input and output options:

- CPO-FBA-1A (Field Bus Adapter with 2 Universal Inputs and 2 Analog Outputs)
- CPO-FBA-2A (Field Bus Adapter with 2 Universal Inputs and 2 Digital Outputs)
- CPO-FBA-3A (Field Bus Adapter with 2 Universal Inputs, 1 Analog Output, and 1 Digital Output)
- CPO-FBA-4A (Field Bus Adapter with 4 Universal Inputs)



## Compact VAV Controller (CPO-VAV2A)

BACnet, BTL listed, (B-AAC) profile Fully programmable

Sylk support for TR40/TR42

Series 60 floating controller actuator

Integral I/O (4UI, 3 AO, 6 DO, (4+2 wired to actuator))

Removable terminal blocks

Internal-powered digital outputs



## VAV & SPC II Unitary Controllers

Native BACnet series of controllers

BACnet, BTL listed, (B-AAC) profile

Enhanced performance with 32-bit technology

Use standard VAV/FCU application or flexible custom programming

Flexible and easy configuration with ComfortPoint Open Studio Tool

Connects to one of three BACnet MS/TP channels in the plant controller

BACnet schedule function support

Quicker VAV balancing with ComfortPoint Open Studio online tool



## CPO-Room Controller (CPO-Rxx family)

BACnet, BTL listed, (B-AAC) profile (rev 1.12)

14 models available for various applications Up to 24 I/O onboard

Fully programmable

Powered outputs with onboard relays & triacs

Sylk TR40/TR42 wall module support

Control multiple rooms with a single controller Automatic MAC addressing

Basic lighting control (CPO-RL8)

Removable terminals (CPO-RL5)

Extended temperature range (CPO-RL7U)



TCP/IP

MANAGEMENT LEVEL



**ComfortPoint Open Studio**

ComfortPoint Open Studio  
 ComfortPoint Open On-Line  
 ComfortPoint Open Studio LIVE & Simulation  
 ComfortPoint Open Balancing Tool  
 Install, Commissioning and Service (ICS) Tool  
 Global Library



**EBI Building Manager Server or Virtual Machine**

BACnet Advanced Workstation (B-AWS)  
 Software Update Service (SUS)  
 Acronis® Backup and Recovery™  
 McAfee® VirusScan® Enterprise



**EBI Building Manager / User Interface**

Microsoft® Internet Explorer® based workstation client  
 Simple displays with easy access to operator resources



**EBI with DSA License**

Enterprise LAN/WAN  
 Connected to ComfortPoint Open Manager via DSA  
 Security Manager  
 Life Safety Manager  
 Building Manager  
 Digital Video Manager  
 Energy Manager



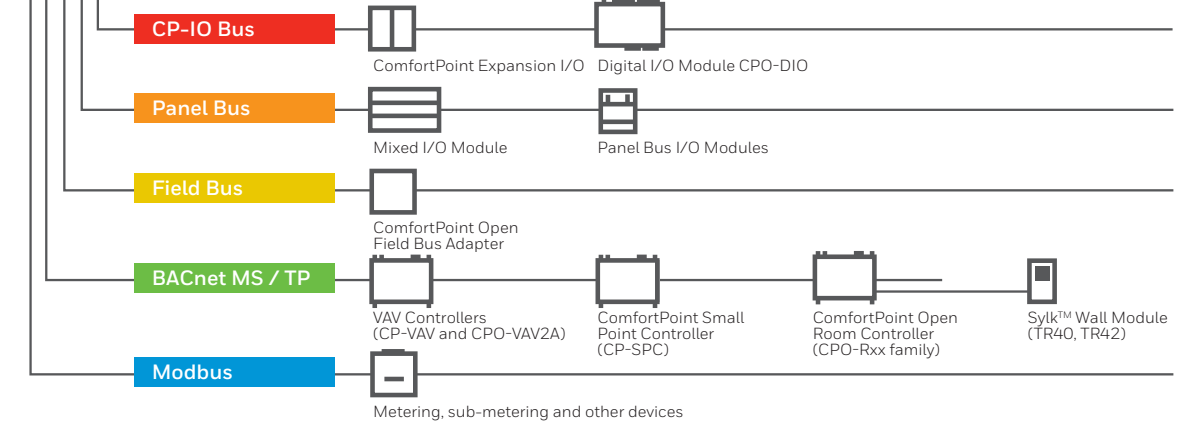
**Internet**

- Web browser
- Phone/SMS/Email
- Smart Phone/Tablet
- Attune™ Advisory Services

BACNET/IP



**ComfortPoint Open CPO-PC-6A Plant Controller**



**ComfortPoint CP-IPC Controller**



**ComfortPoint CP-Core**



**ComfortPoint JACE**

Connected to EBI Building Manager via BACnet / IP  
 Simple LON  
 FTT-10 and other integration drivers

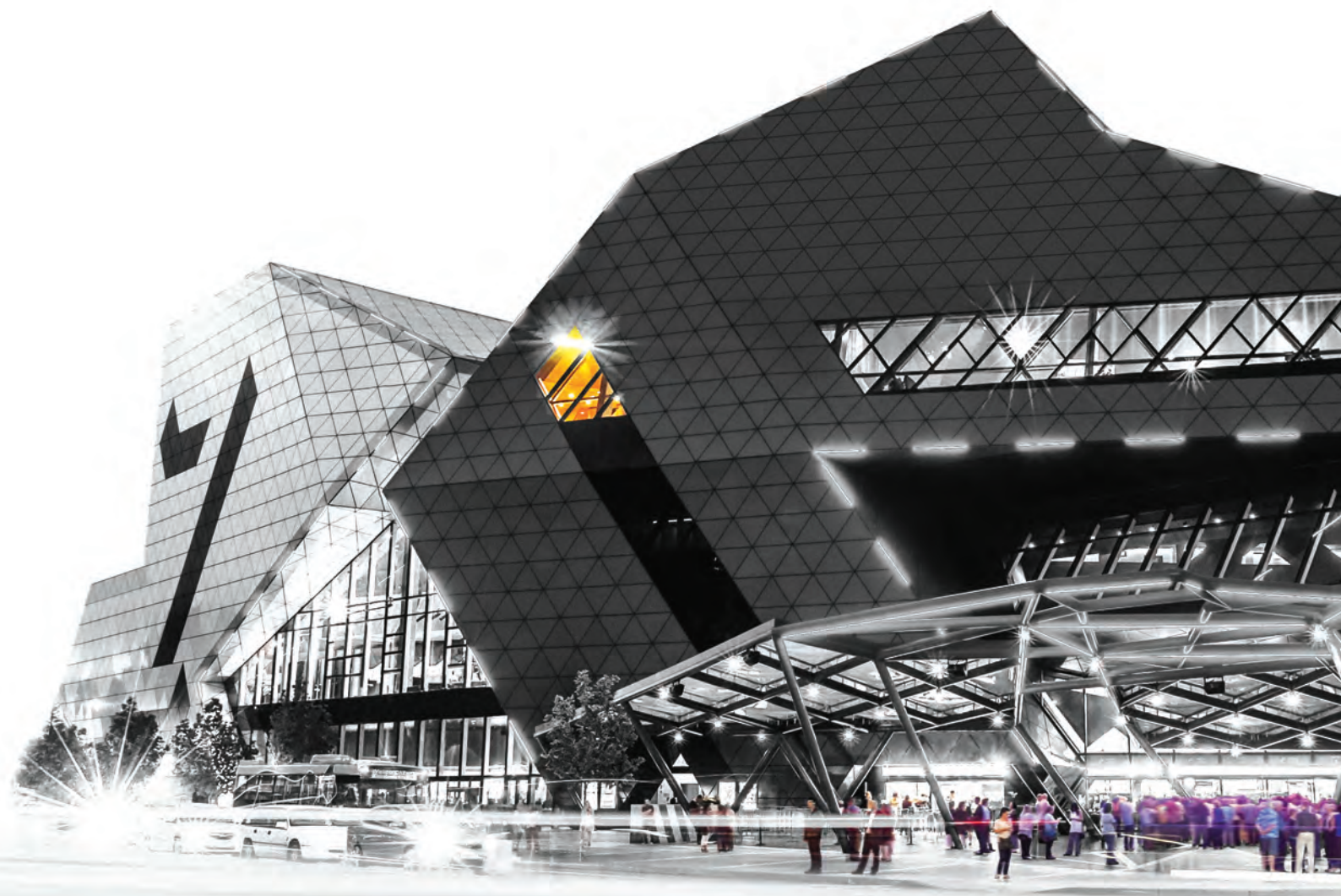
Other Honeywell and third-party BACnet devices and BACnet gateways



## Introducing the EBI Suite

Honeywell Enterprise Buildings Integrator (EBI) is a comprehensive, network-based solution for intelligent building automation and enterprise management. Using flexible architecture and open industry standards, EBI integrates existing building systems to streamline processes and optimize building performance.

- Leverage and integrate the individual strengths of separate building systems into one platform for greater control of building, security, energy and life safety systems
- Increase productivity and flexibility while reducing operational, energy and maintenance costs
- Enable increased efficiency and decision-making capabilities, and gain a better understanding of your entire facility using a single operator interface
- Enhance safety, security and comfort for building occupants
- Customize the system to meet your facility's needs, and gain a scalable and flexible platform to allow for changes over time
- Support for mobile devices and web browser access for higher productivity and response
- Reduce risk with clearly defined migration paths, improved functionality and cost reduction



# Complete Integration with One Platform

## Honeywell Building Manager

Interfaces with leading open system solutions to provide HVAC monitoring and control, maintenance management, lighting control and regulatory compliance

## Honeywell Energy Manager

Helps collect, analyze and act on data to reduce energy consumption, costs and carbon emissions across your facility, and monitors, validates and optimizes energy usage to help the environment and save you money

## Honeywell Security Manager

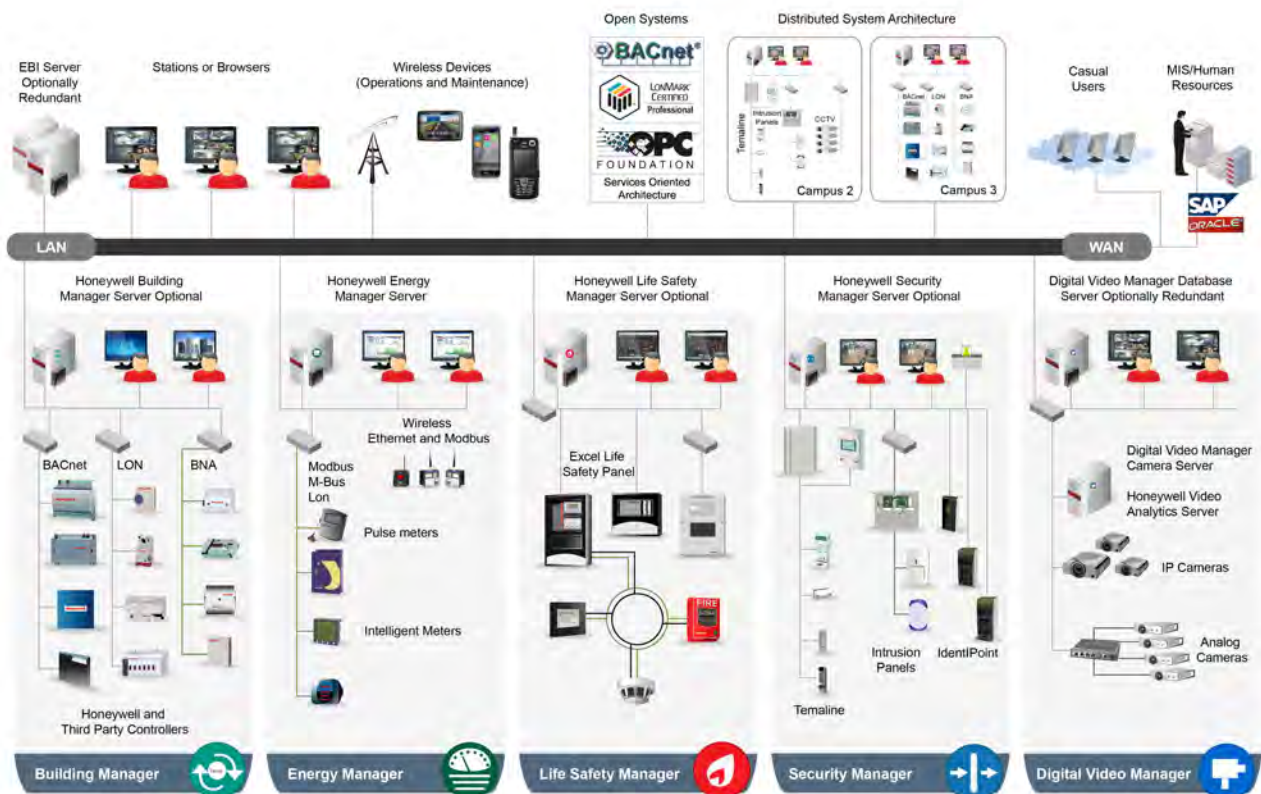
Helps protect people, assets and intellectual property through security monitoring, access control and surveillance devices, including time and attendance monitoring, visitor management, and asset and personnel tracking

## Honeywell Life Safety Manager

Monitors and controls alarm systems for fire detection and smoke controls, as well as public address and voice announcements

## Honeywell Digital Video Manager (DVM)

Provides analog and digital CCTV surveillance, including video analytics and event-based recording and viewing, using existing or new cameras connected directly to your network



## 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.



Access control has never been this easy.

NET AXS-123



NET AXS-4



PART NUMBER	NUMBER OF DOORS	NUMBER OF READERS	ENCLOSURE	POWER SUPPLY / BATTERY	DIMENSIONS
<b>NX1P</b>	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
<b>NX2P</b>	2	4 readers (in/out) using readers with hold wires		External 12V / 3A PSU	
<b>NX1MPS</b>	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
<b>NX2MPS</b>	2	4 readers (in/out) using readers with hold wires			
<b>NX3MPS</b>	3	6 readers (in/out) using readers with hold wires			
<b>NXD1</b>	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
<b>NXD2</b>	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
<b>NX4S1E</b>	4	4 readers	Metal	Internal transformer with 12V / 7AH battery for controller	45.7 x 36.8 x 11.2 cm

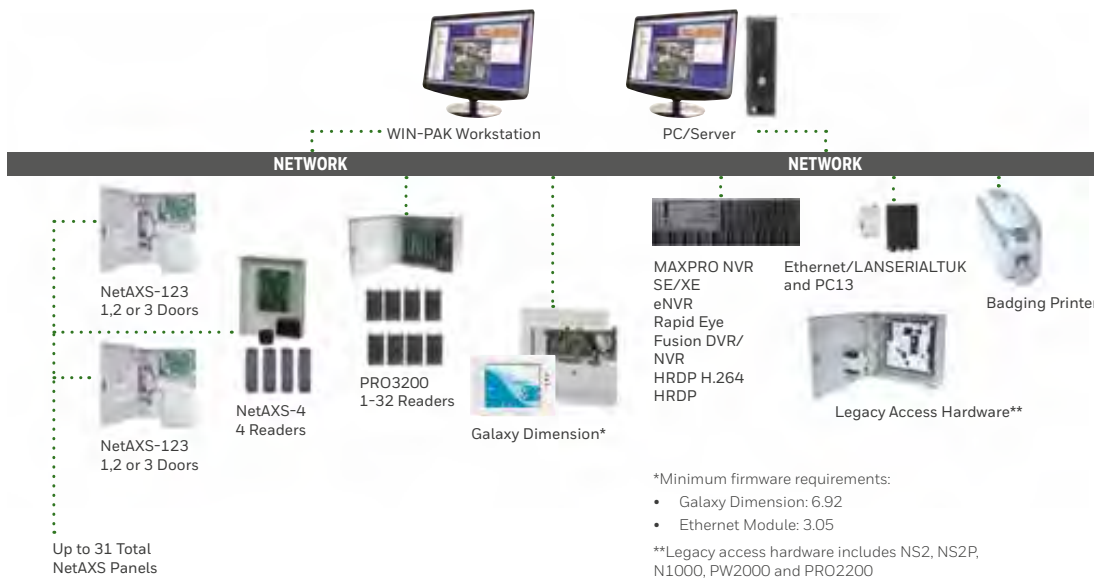
# WIN-PAK for Galaxy®

WIN-PAK for Galaxy is an end-user software package that is designed to ease user management 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.

## 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.




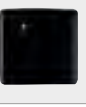




# Proximity Readers



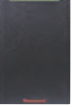

OmniProx is a range of 125 kHz HID compatible proximity readers and credentials. All OmniProx readers (except the OP90) include three bezels: black, charcoal grey and ivory and are suitable for both indoor and outdoor applications. For locations that require a proximity reader able to withstand vandal-prone environments, the OP90 vandal resistant readers come standard in a zinc die-cast metal housing.



## OmniProx Proximity Readers

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

## OmniClass 2.0 Smart Card Readers

	PART NUMBER	FORM FACTOR	MAX READ RANGE*	COLOUR	CONNECTION	COMPATIBLE CREDENTIALS	TAMPER	HOLD WIRE
	OM15BHOND	Long mullion mount reader	7.6 cm	Black	Pigtail	13.56 MHz OmniClass, iCLASS, iClass SE, iClass SR, SEOS, SE for Mifare and SE for DESFire EV1	Optical	Available suitable for IN / OUT reader in NetAXS-123
	OM15BHOND T				Terminal block			
	OM30BHOND	Mullion mount reader	7.6 cm		Pigtail			
	OM30BHOND T				Terminal block			
	OM40BHOND	EU, UK and US single-gang back box compatible reader	11.4 cm		Pigtail			
	OM40BHOND T				Terminal block			
	OM55BHOND	EU, UK and US single-gang back box compatible reader with Keypad	12.7 cm		Pigtail			
	OM55BHOND T				Terminal block			

# Professional Series Access Modules

## PRO3200

The PRO3200 professional series family of access control modules is designed for high density installations. Supporting up to 16 readers per enclosure and 32 readers per intelligent controller along with up to 100,000 card capacity provides a combination of small installation footprint and superior cost per door ratio.

The PRO22R1 provides I/O support for one card access reader, while the PRO32R2 supports two card access readers.

Both interface with the intelligent control module (PRO32IC).

In the event that communication to the intelligent control module is lost, the card access readers can be individually configured to allow entrance based on security needs. This customization allows for a door to be configured as locked, unlocked, or access only via valid facility code.

The PRO32OUT interfaces with the intelligent control module (PRO32IC) providing up to 12 or 16, Form C, 12 VDC, 2A relay output controls depending if the board is rack or tile-mounted and power fail and panel tamper when tile mounted. Relays may be used for elevator control, status annunciation and for general facility control, such as door monitoring.

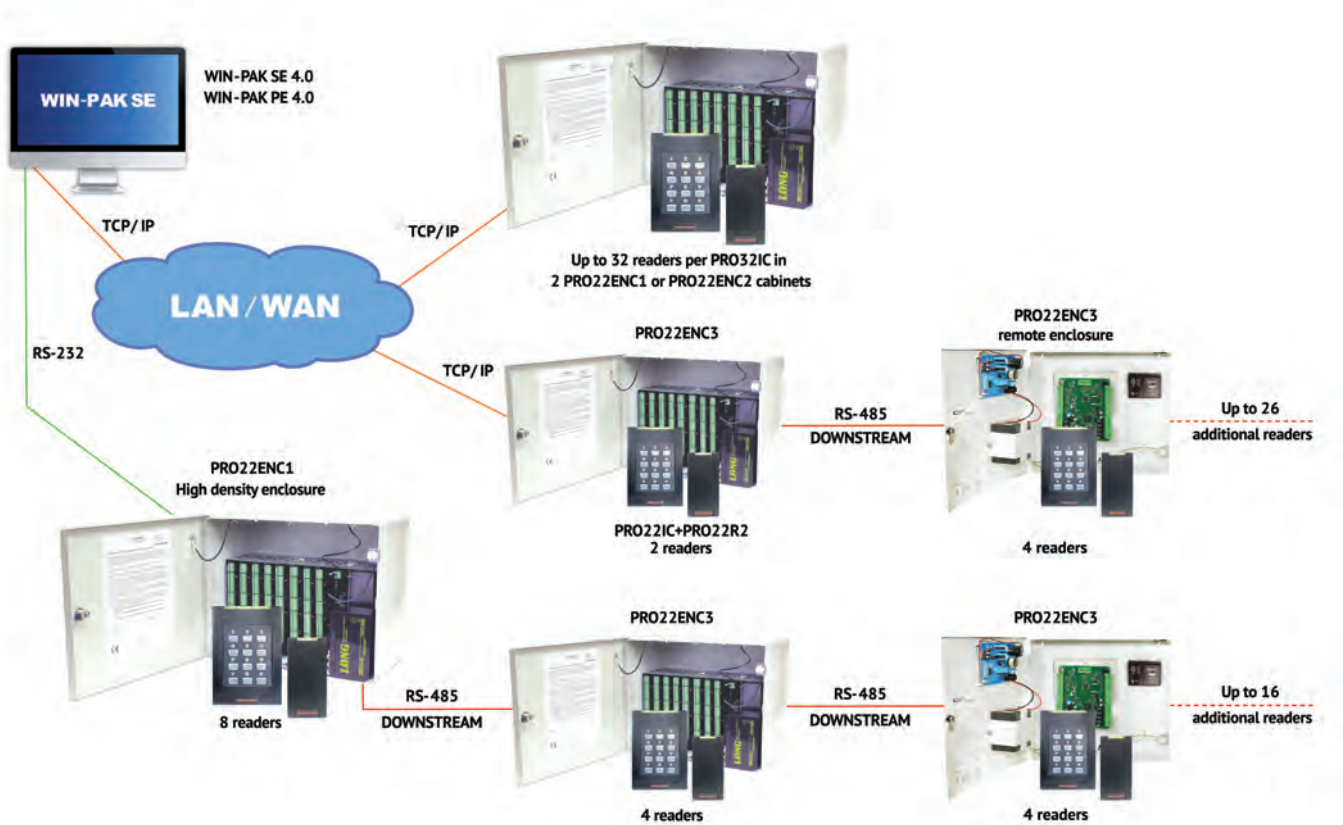
The PRO32IN interfaces with the intelligent control module (PRO32IC) providing 16 supervised alarm inputs and a dedicated power fail and panel tamper when tile mounted. An analog to digital converter samples the input values and the digitized result is filtered and processed. Filter parameters are configurable for each input point, resulting in the ability to specify a custom End-Of-Line (EOL) resistance value, sensitivity range and timing parameter.

The PRO3200 Series of access modules are designed to accommodate various mounting options. Units can be mounted in a rack configuration (PRO22ENC1, PRO22ENC2 and PRO22ENC5) when space is limited, or in a tile-mount configuration (PRO22ENC3).

- The PRO22ENC1 is a wall-mounted enclosure rack unit
- The PRO22ENC2 is a 19" rack-mounted enclosure rack unit
- The PRO22ENC5 is a rack unit which fits inside a customer's enclosure



## TYPICAL SYSTEM CONFIGURATION



Module	Reader	PRO22ENC1 and PRO22ENC2		PRO22ENC3	
		Inputs	Outputs	Inputs	Outputs
PRO32R2	2	6	4	10**	6
PRO32OUT	0	0	12	2**	16
PRO32IN	0	16	1	18**	2

\*\*Two are used to monitor Power and Tamper

PRO22ENC1 and PRO22ENC2=9 Board Capacity / PRO22ENC3=2 Board Capacity

# Sound Security

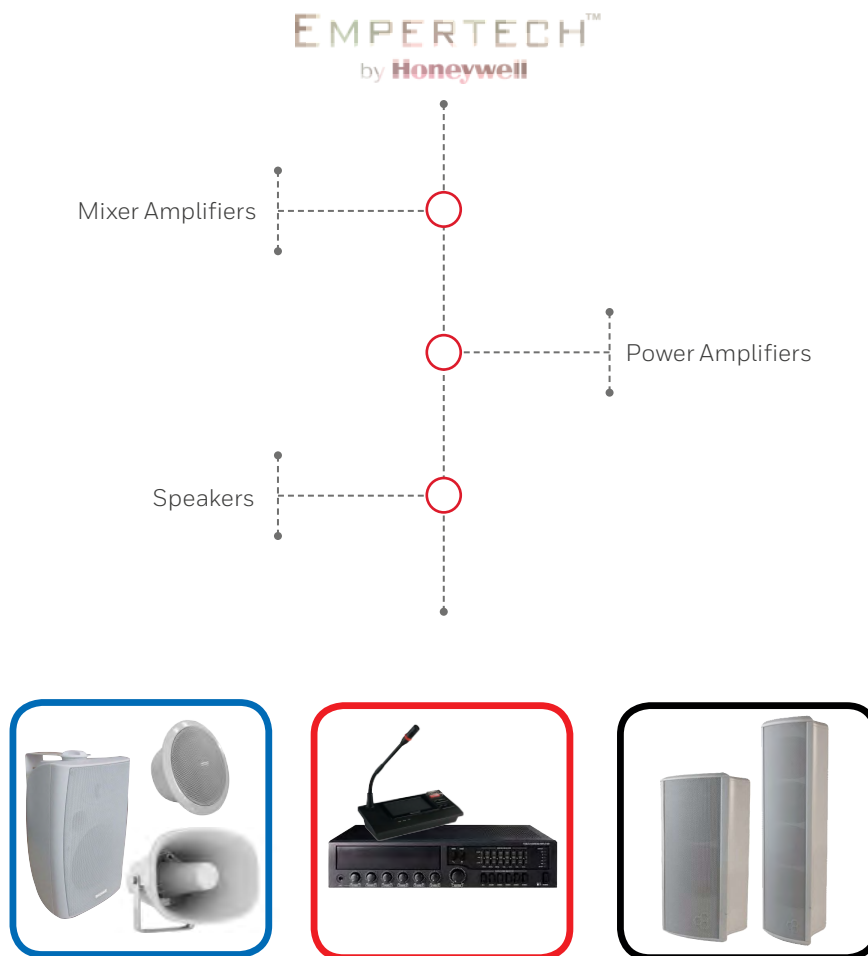
## HONEYWELL COMPACT PUBLIC ADDRESS SYSTEMS

EMPERTECH, a brand owned by Honeywell Audiovisuals, is committed to provide customers around the globe an internationally compliant, reliable, user-friendly, and cost-competitive public address solution for small-to-mid-sized locations focus on versatility, reliability and ease of use

### FEATURES & BENEFITS

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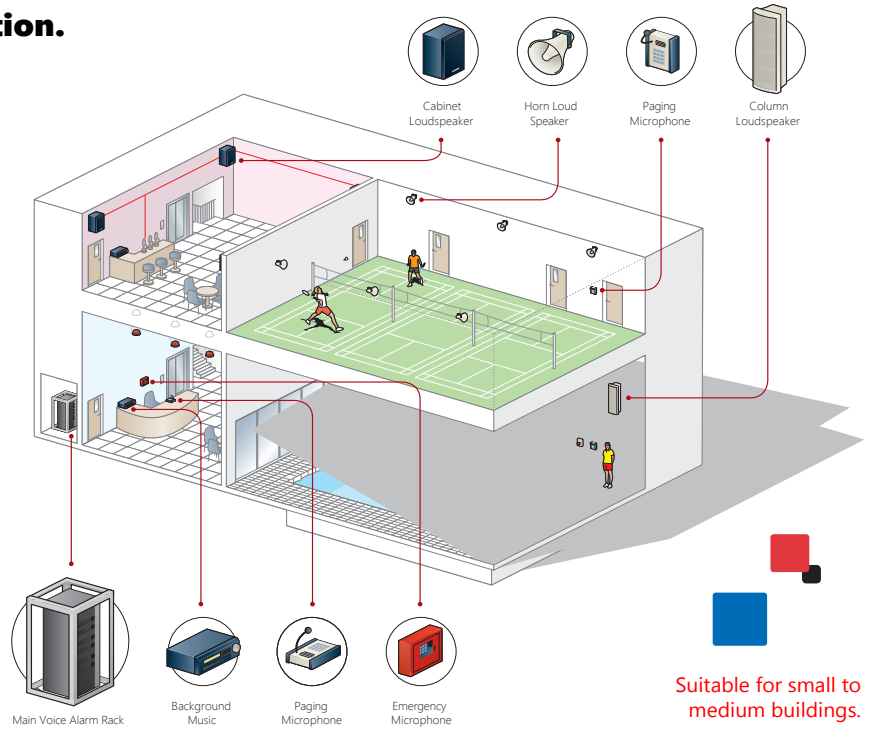
- Ideal for small-to-largesized applications
- High-performance sound system at an affordable price
- Easy operation
- Easy to install and maintain
- Out-of-box functionality with no training required
- Superb sound and speech reproduction
- Reliability: System with high stability, reliability, and safety suit to long duration consecutive operation





# Stand Alone

An easy-to-install VA/PA solution.



Suitable for small to medium buildings.

### Applications

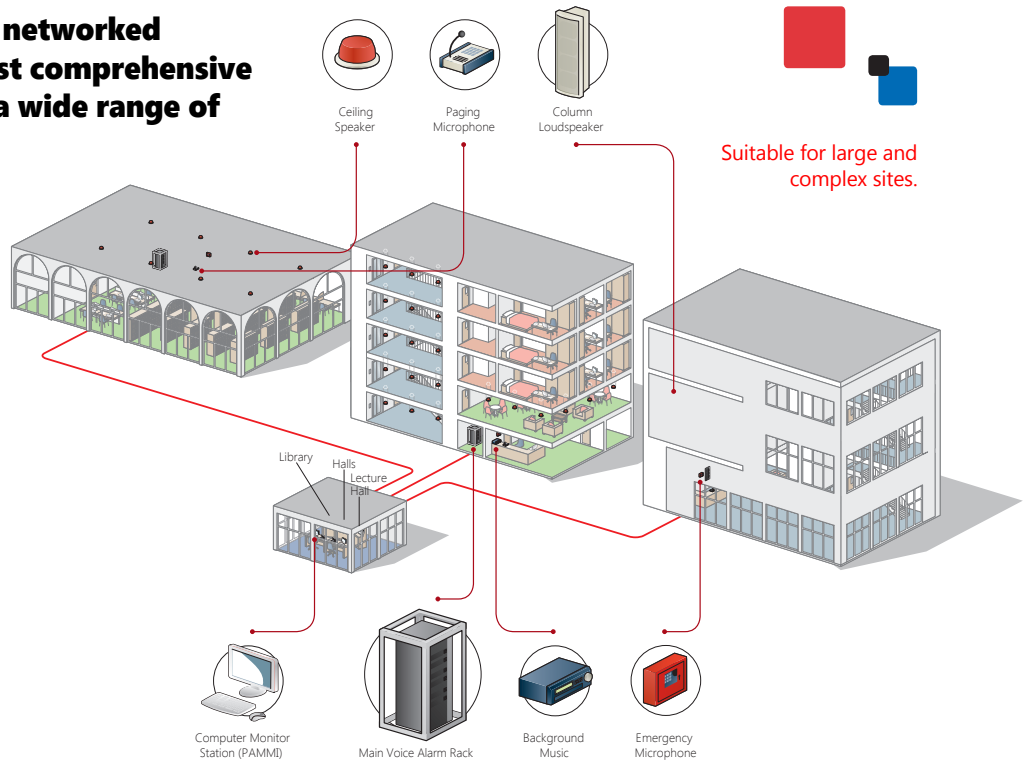
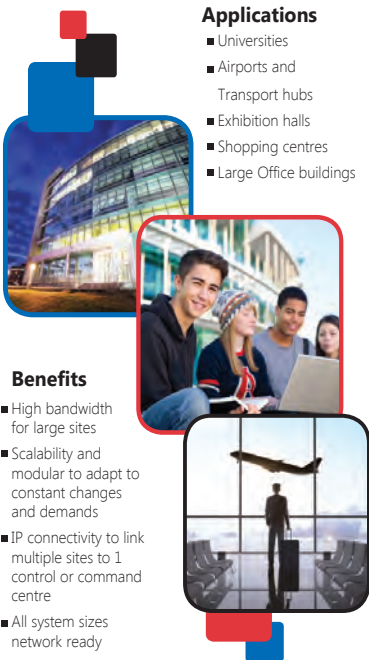
- Leisure complexes
- Schools
- Small hotels
- Theatres
- Offices

### Benefits

- Off the Shelf
- Package
- Easy to install
- Small and compact
- Ensured compliance to BS/EN standards

# Scalable

Our VA/PA systems can be networked together to deliver the most comprehensive and powerful solution for a wide range of applications.



Suitable for large and complex sites.

### Applications

- Universities
- Airports and Transport hubs
- Exhibition halls
- Shopping centres
- Large Office buildings

### Benefits

- High bandwidth for large sites
- Scalability and modular to adapt to constant changes and demands
- IP connectivity to link multiple sites to 1 control or command centre
- All system sizes network ready

# INTEVIO Public Address System

The INTEVIO Public Address System is an ideal solution for retail shops, offices, hotels, factories, and K-12 schools that need a robust and economical paging solution.

It supports business operation with effective voice communication and promotes customer experience with delightful background music. INTEVIO features an intuitive user interface, flexible paging configuration, and extra system reliability – all of which result in cost savings and improved efficiency.

## INTEVIO Controller

### RKMCU

The INTEVIO Public Address Controller features audio storage, signal processing, routing, control, and supervision functions for the entire system. This solution is dedicated to single building upgrades that offer stability, cost savings, optimal user experience, and enhanced performance.



#### Features:

- Complies with international standards.
- Plug-and-play options for easy commissioning.
- Fully configurable keys to complete any task at the press of a button.
- Modular architecture, expandable up to 128 speaker zones.
- Dual channel audio capability.
- Flexible amplifier backup modes that ensure low cost of ownership and high reliability.
- Digital volume control on all inputs or outputs.
- Comprehensive fault detection and indication.

## INTEVIO Amplifier

### RKAMP500

The INTEVIO High Efficiency Power Amplifier provides audio signal amplification for the INTEVIO Public Address System. This lightweight platform offers reliability and efficiency, as its design is focused on easy installation and adding a power boost to any application.



#### Features:

- ClassD technology, high efficiency, and low power consumption.
- Maximum 500W rated output power.
- Supports 70V/100V audio outputs.
- Supports balanced or unbalanced audio inputs.
- Supports 100V audio input.
- Programmed air cooling.
- Automatically limits the output voltage.
- Supports automatic protection and fault detection.

## INTEVIO Call Station

### RKMIC

The INTEVIO Call Station allows users to deliver live paging, enable background music and service announcements, and broadcast emergency messages to selected speaker zones. It further enhances the user experience by allowing volume control, message recording, and audio monitoring all from a remote location.



#### Features:

- Built-in speaker for audio channel monitor.
- Temporary recording function for instant message recording and broadcasting.
- Audio line to facilitate background music from an external audio source.
- Separate volume controller for mic input, line-in, and speaker.
- 8 freely programmable buttons.
- Expandable with HMCK4/HMCK8 keypad modules if required.
- Automatic fault detection.
- CAT5 cable connection with RKMICU. Maximum distance is 600m.
- Powered by RKMICU or external power.
- Up to 6 RKMIC can be connected in one system.

## INTEVIO 8-Zone Expander

### RKZONE8

The INTEVIO 8-Zone Expander integrates additional speaker lines - while achieving a broader reach in new and retrofit applications.



#### Features:

- Supports up to 8 speaker zones.
- Dual channel operation to support two audio channels simultaneously.
- Independent volume control for each audio channel.
- Up to 500 W output capacity on any zone.
- Can connect up to 4 main amplifiers and 1 backup amplifier.
- Flexible amplifier backup mode that can support all other system amplifiers.
- 8 monitored dry contact inputs.
- 8 dry contact outputs.
- Supports 3-wire and 4-wire volume controllers.
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs, and network.
- Can be used with 1 line input port in standalone mode or if the controller CPU fails.
- 24DC output to power external devices.
- Can work as standalone (for PA announcements in case system fails) or in network mode along with the main controller RKMICU.
- Ability to connect up to 15 units of RKZONE8 providing a system with up to 128 speaker zones.

# 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.



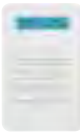



## Galaxy® TouchCenter Plus

### 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 Flex /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
- Keep in touch with home or business
- Efficient building control
- Elegant design

PART NUMBER	DESCRIPTION	BUTTONS	CONTROL & DISPLAY	TAMPER PROTECTION	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<sup>®</sup> Flex

Galaxy Flex 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 Flex 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 Flex Control Panels (Grade 2)

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.

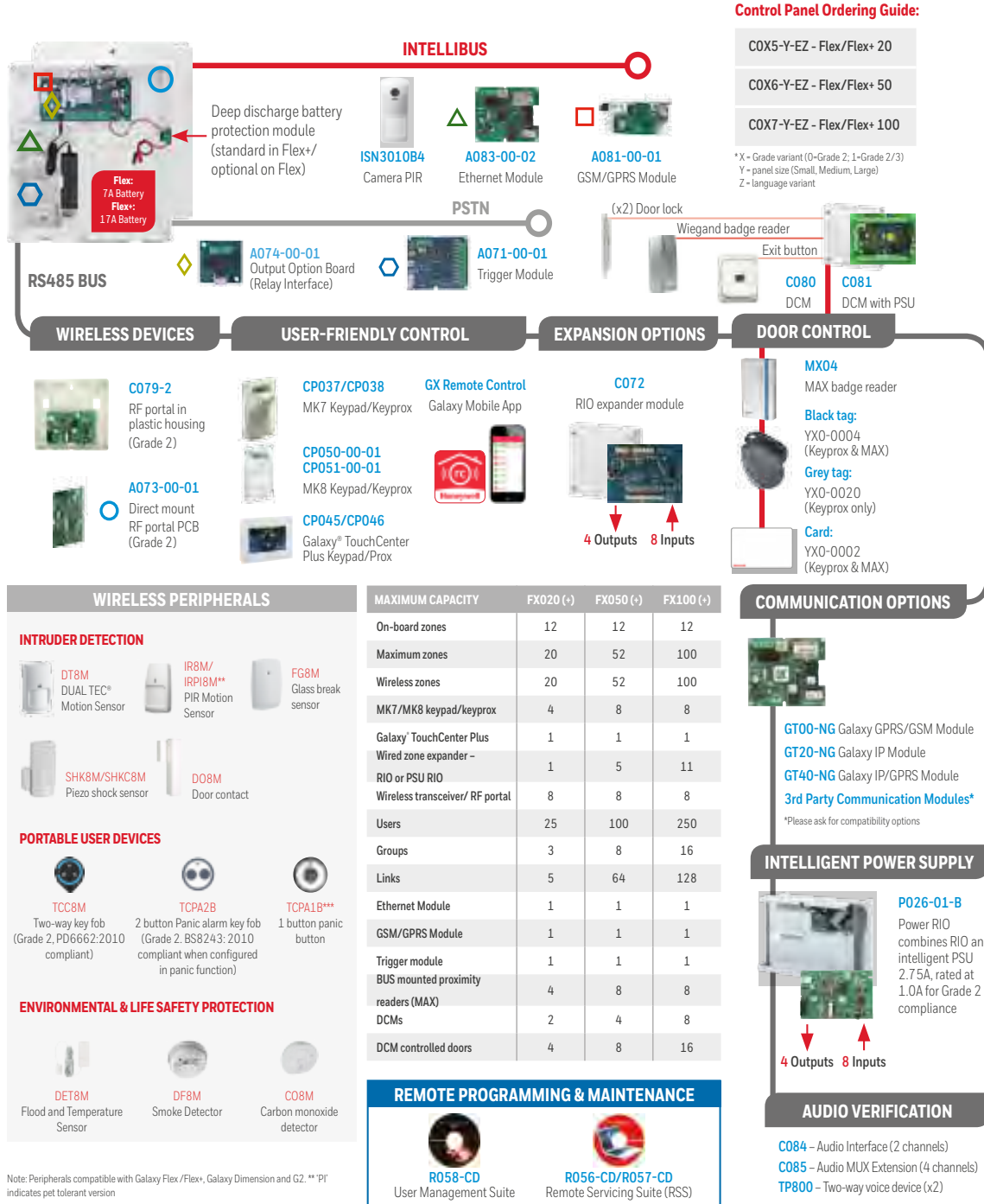


PART NUMBER	DESCRIPTION	WIRED / WIRELESS ZONES	KEYPADS / KEYPROXES	CONTROLLED DOORS	WIRELESS PORTALS	USERS	LOGS	GROUPS	MULTI PATH
<b>C005-S-E1</b>	Galaxy Flex FX020 small box, 1A	12 - 20 zones including 20 wireless	4 (4 KEYPROXES)	4	4	25	500 event log 500 access log	3	Communications via GPRS, Ethernet,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

# Galaxy® Flex+

## Galaxy® Flex/Flex+ Architecture

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



**Control Panel Ordering Guide:**

- COX5-Y-EZ - Flex/Flex+ 20
- COX6-Y-EZ - Flex/Flex+ 50
- COX7-Y-EZ - Flex/Flex+ 100

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

Note: Peripherals compatible with Galaxy Flex/Flex+, Galaxy Dimension and G2. \*\* PI indicates pet tolerant version

Visit [www.honeywellgalaxyflex.com](http://www.honeywellgalaxyflex.com) for more information on Galaxy Flex and Flex+

# 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 FLEX V1	C001-xx	1.17	E080-08 Galaxy Ethernet Module
	C002-xx		
	C003-xx		
GALAXY FLEX V3	C005-xx	3.17 for full functionality	A083-00-02 Galaxy Ethernet Module
	C006-xx		
	C007-xx		
GALAXY FLEX+	C015-xx	3.17 or 3.37 for full functionality	E080-08 Galaxy Ethernet Module
	C016-xx		
	C017-xx		
GALAXY DIMENSION	C048-xx	6.92 for full functionality	E080-08 Galaxy Ethernet Module
	C096-xx		
	C264-xx		
	C520-xx		

Note: compatible with Galaxy Dimension and Galaxy Flex 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.

## equiP<sup>®</sup> IP Cameras

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

Now with the addition of the equiP range, Honeywell can deliver a more powerful and versatile solution that allows you to customise your installation to your customer's needs.



## 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

## Performance Series IP Cameras

Upgrading to IP has never been so easy and affordable. Honeywell's Performance Series

IP cameras are fully featured, competitively priced cameras that pair perfectly with a

4/8/16 32/64-channel Performance Series Embedded NVR.

Choose from a full range of IP cameras that includes up to Ultra HD 4k definition True Day/Night IR mini-dome, bullet and ball cameras to give you greater flexibility to get the solution that's right for your installation. Designed with open IP standards, including ONVIF Profile S, our IP network cameras offer superb picture quality and seamless integration to our Honeywell video NVR solutions.





**equiP® IP Cameras**

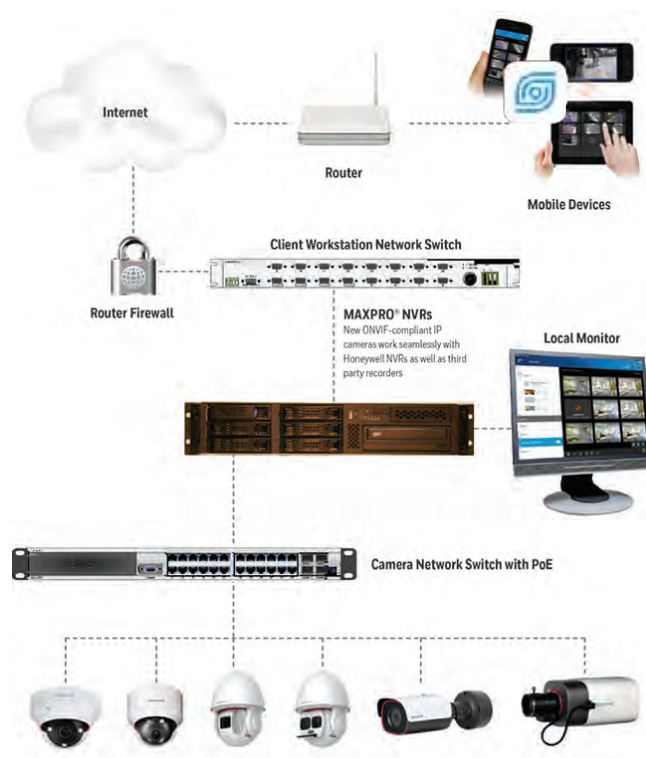
DESCRIPTION		DESCRIPTION	
OUTDOOR DOMES	H4D8GR1	Network TDN Ultra 4K HD IR Rugged Dome Camera, 1/1.7" CMOS, 12 MP, 4.1–12.8 mm MFZ, 3 IR LEDs, PoE+, H.265, IK10, IP67	
	H4L2GR1	Network TDN Ultra Low-Light, 140 dB WDR, IR Rugged Dome Camera, 1/2.8" Imager, 2 MP, 2.7–12 mm MFZ, 3 IR LEDs, PoE, H.264, IK10, IP67	
	H4W2GR1	Network TDN Low-Light, 120 dB WDR, IR Rugged Dome Camera, 1/2.7" Imager, 2 MP, 2.7–12 mm MFZ, 3 IR LEDs, PoE, H.264, IK10, IP67	
	H4W2GR2	Network TDN Ultra Low-Light, 120 dB WDR, IR Rugged Dome Camera, 1/2.7" Imager, 2 MP, 7–22 mm MFZ, 3 IR LEDs, PoE, H.264, IK10, IP67	
	H4W4GR1	Network TDN Low-Light, 120 dB WDR, IR Rugged Dome Camera, 1/3" Imager, 4 MP, 2.7–12 mm MFZ, 3 IR LEDs, PoE, H.264, IK10, IP67	
	H4L6GR2	Network TDN Ultra Low-Light, DWDR, IR Rugged Dome Camera, 1/1.8" Imager, 6 MP, 4.1–16.4 mm MFZ, 3 IR LEDs, PoE+, H.265, IK10, IP67	
	H4L2GR1V	Network TDN Ultra low-light, 140dB WDR, IR Rugged Dome Camera, (1) 1/2.8" Imager, 2MP, 2.7-13.5mm MFZ, 3 IR LEDs, POE (2), H265+, IK10, IP67	
	H4W2GR1V	Network TDN low-light, 120dB WDR, IR Rugged Dome Camera, 1/2.8" Imager, 2MP, 2.7-13.5mm MFZ, 3 IR LEDs, POE+, H265+, IK10, IP67	
	H4W4GR1V	Network TDN low-light, 120dB WDR, IR Rugged Dome Camera, 1/3" Imager, 4MP, 2.7-13.5mm MFZ, 3 IR LEDs, POE (2), H265+, IK10, IP67	
INDOOR DOMES	H3W2GR1	Network TDN Low-Light, 120 dB WDR, IR Indoor Dome Camera, 1/2.7" Imager, 2 MP, 2.7–12 mm MFZ, 3 IR LEDs, PoE, H.264	
	H3W2GR2	Network TDN Low-Light, 120 dB WDR, IR Indoor Dome Camera, 1/2.7" Imager, 2 MP, 7–22 mm MFZ, 3 IR LEDs, PoE, H.264	
	H3W4GR1	Network TDN Low-Light, 120 dB WDR, IR Indoor Dome Camera, 1/3" Imager, 4 MP, 2.7–12 mm MFZ, 3 IR LEDs, PoE, H.264	
	H3W2GR1V	Network TDN low-light, 120dB WDR, IR Indoor Dome Camera, 1/2.8" Imager, 2MP, 2.7-13.5mm MFZ, 3 IR LEDs, POE (2), H265+	
	H3W4GR1V	Network TDN low-light, 120dB WDR, IR Indoor Dome Camera, 1/3" Imager, 4MP, 2.7-13.5mm MFZ, 3 IR LEDs, POE (2), H265+	
	H2W2GR1	Network TDN low-light, 120dB WDR, IR Micro Dome Camera, 1/2.8" Imager, 2MP, 2.8mm MFZ, POE, H265+, IK10, IP67	
PTZ DOMES	HDZ302LIW	Network TDN Indoor/Outdoor IR PTZ Dome, 1080p, 30x Zoom, 120dB WDR, 6–180 mm Lens, H.264, NTSC/PAL, High PoE, Wiper, IP67	
	HDZ302LIK	Network TDN Indoor/Outdoor IR PTZ Dome, 1080p, 30x Zoom, 120dB WDR, 6–180 mm Lens, H.264, NTSC/PAL, High PoE, IK10, IP67	
	HDZ302DE	Network TDN PTZ 6" Indoor/Outdoor Dome, 1080p, 30x Zoom, 120dB WDR, 4.5–135 mm Lens, H.264/H.265, NTSC/PAL, PoE+, IK10, IP67	
	HDZ302D	Network TDN PTZ 5" Indoor/Outdoor Dome, 1080p, 30x Zoom, 120dB WDR, 4.5–135 mm Lens, H.264/H.265, NTSC/PAL, PoE+, IK10, IP66	
	HDZ302DIN	Network TDN PTZ Indoor In-Ceiling Dome, 1080p, 30x Zoom, 120dB WDR, 4.5–135 mm Lens, H.264/H.265, NTSC/PAL, PoE+, IK10	
MULTI-IMAGER	HMBL8GR1	Network TDN Low-Light, DWDR, IR Multi-Imager Bullet Camera, 4x1/2.8" Imager, 8 MP, 3 mm/M12 Fixed, 8 IR LEDs, PoE+, H.265, IK10, IP67	
	HML4L8GR1	Network TDN Low-Light, DWDR, Rugged IR Multi-Imager Dome Camera, 4x1/1.9" Imager, 8 MP, 5 mm/M12 Fixed, 6 IR LEDs, PoE+, H.265, IK10, IP67	
OUTDOOR BULLETS	HBD8GR1	Network TDN Ultra 4K HD IR Bullet Camera, 1/1.7" CMOS, 12 MP, 5.1–12.8 mm MFZ, 4 IR LEDs, PoE+, H.265, IK10, IP67	
	HBL2GR1	Network TDN Ultra Low-Light, 140 dB WDR, IR Bullet Camera, 1/2.8" Imager, 2 MP, 2.7–12 mm MFZ, 4 IR LEDs, PoE+, H.264, IK10, IP67	
	HBW2GR1	Network TDN Low-Light, 120 dB WDR, IR Bullet Camera, 1/2.7" Imager, 2 MP, 2.7–12 mm MFZ, 4 IR LEDs, PoE, H.264, IK10, IP67	
	HBW2GR3	Network TDN Low-Light, 120 dB WDR, IR Bullet Camera, 1/2.7" Imager, 2 MP, 5–50 mm MFZ, 4 IR LEDs, PoE, H.264, IK10, IP67	
	HBW4GR1	Network TDN Low-Light, 120 dB WDR, IR Bullet Camera, 1/3" Imager, 4 MP, 2.7–12 mm MFZ, 4 IR LEDs, PoE, H.264, IK10, IP67	
	HBL6GR2	Network TDN Ultra Low-Light, 140dB WDR, IR Bullet Camera, 1/1.8" Imager, 6 MP, 4.1–16.4 mm MFZ, 4 IR LEDs, PoE+, H.265, IK10, IP67	
	HBL2GR1V	Network TDN Ultra low-light, 140dB WDR, IR Bullet Dome Camera, 1/2.8" Imager, 2MP, 2.7-12mm MFZ, 4 IR LEDs, POE+, H265+, IK10, IP67	
	HBW2GR1V	Network TDN low-light, 120dB WDR, IR Bullet Dome Camera, 1/2.8" Imager, 2MP, 2.7-13.5mm MFZ, 4 IR LEDs, POE+, H265+, IK10, IP67	
	HBW2GR3V	Network TDN low-light, 120dB WDR, IR Bullet Dome Camera, 1/2.8" Imager, 2MP, 5-60mm MFZ, 4 IR LEDs, POE+, H265+, IK10, IP67	
	INDOOR BULLETS	HCD8G	Network TDN Ultra 4K HD Box Camera, 1/1.7" CMOS, 12 MP, PoE, H.265 DWDR
		HCL2G	Network TDN Ultra Low-Light, 140 dB WDR, Box Camera, 1/2.8" Imager, 2 MP, PoE, H.264
		HCW2G	Network TDN Low-Light, 120 dB WDR, Box Camera, 1/2.7" Imager, 2 MP, PoE, H.264
HCW4G		Network TDN Low-Light, 120 dB WDR, Box Camera, 1/3" Imager, 4 MP, PoE, H.264	
HCL2GV		Network TDN Ultra low-light, 140dB WDR, Box Camera, 1/2.8" (1) Imager, 2MP, POE (2), H265+	
HCW2GV		Network TDN low-light, 120dB WDR, Box Camera, 1/2.8" (1) Imager, 2MP, POE (2), H265+	
FISHEYE	HFD6GR1	Network TDN Superior HD IR Rugged Fisheye Camera, 1/1.8" CMOS, 6 MP, 1.7 mm fisheye Lens, 3 IR LEDs, PoE, H.265, IK10, IP67	
	HFD8GR1	Network TDN Superior HD IR Rugged Fisheye Camera, 1/1.7" CMOS, 12 MP, 1.98 mm fisheye Lens, 3 IR LEDs, PoE, H.265, IK10, IP67	
EXPLOSION-PROOF & CORROSION-PROOF	HEPB302W01A04	2 MP explosion-proof, 30x optical Zoom, 1/2.8" image sensor, 4.5-135 mm, MFZ, 120 db WDR, IP68, with wiper and 4 m armoured cable, 12/24 VDC, 24 V AC, H265/H264, ATEX/IECEX	
	HEPB302W01A10	2 MP explosion-proof, 30x optical Zoom, 1/2.8" image sensor, 4.5-135 mm, MFZ, 120 db HEPB302W01A10 WDR, IP68, with wiper and 10 m armoured cable 12/24 VDC, 24 V AC, H265/H264, ATEX/IECEX	
	HEPZ302W0	2 MP Explosion-Proof PTZ camera, 30x optical Zoom, 1/2.8" image sensor, 4.5–135 mm MFZ, 120 db WDR, IP66, with Wiper 24 VAC, H.265/H.264, ATEX/IECEX	
	HCPB302	2 MP corrosion-proof, 30x optical Zoom, 1/2.8" image sensor 4.5-135 mm, MFZ, 120 db WDR, IP68, 24 V AC, H265/H264	

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









# We're Open to Unlimited Possibilities














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.













## Performance Series IP Cameras

	PART NUMBER	DESCRIPTION	LENS	FRAMERATE	IR DISTANCE (M)
<b>IR BALL CAMERA</b>					
	<b>HEW2PER3</b>	2MP DWDR TDN IR ,Ball camera PoE (802.3af), 12 V DC IP66 rated	2.8mm fixed, F2.0	2 MP at 1 – 25/30fps D1/CIF at 1 – 25/30fps	25 Smart IR
	<b>HEW2PR2</b>	2MP WDR TDN IR ,Ball camera MicroSD, up to 128GB PoE (802.3af), 12 V DC IP66 rated	2.7-12mm MFZ, F1.4	2MP (1-25/30 fps) 1080p (1-25/30fps) D1, CIF (1-25/30 fps)	60 Smart IR
	<b>HEW4PR2</b>	4MP WDR TDN IR ,Ball camera MicroSD, up to 128GB PoE (802.3af), 12 V DC IP66 rated	2.7-12mm MFZ, F1.4	4MP (1-25/30 fps) 1080p (1-20fps) D1, CIF (1-25/30 fps)	60 Smart IR
	<b>HEW4PRW3</b>	4MP WDR TDN IR ,Ball camera PoE (802.3af), 12 V DC IP66 rated	2.8mm fixed, F2.0	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-20 fps)	40 Smart IR
	<b>HEW4PER3</b>	4MP WDR TDN IR ,Ball camera PoE (802.3af), 12 V DC IP66 rated	2.8mm fixed, F2.0	4 MP at 1 – 20fps, 3 MP at 1 – 25/30fps, D1/CIF at 1 – 25/30fps	25 Smart IR
	<b>HEW8PR1</b>	8MP (4k) WDR TDN IR ,Ball camera MicroSD, up to 128GB PoE (802.3af), 12 V DC IP66 rated	4.0mm fixed, F1.6	8M (3840×2160) 1-15 fps; 6M (3072×2048) 1-20 fps; 4M (2688×1520) / WQHD (2560×1440) 1-25 fps; 3M (2304×1296) or lower resolution at 1-25/30 fps	50 Smart IR




## Performance Series IP Cameras

PART NUMBER	DESCRIPTION	LENS	FRAMERATE	IR DISTANCE (M)
<b>IR RUGGED DOME</b>				
 <b>H2W2PRV3</b>	2 MP WDR TDN IR Micro-Dome Camera with built-in microphone MicroSD, up to 128GB PoE (802.3af), 12 V DC, IP66 rated ,IK10	2.8mm fixed, F1.4	2MP/1080p (1-25/30fps) D1, CIF (1-25/30 fps)	20 Smart IR
 <b>H2W4PRV3</b>	4 MP WDR TDN IR Mini-Dome Camera with built-in microphone MicroSD, up to 128GB PoE (802.3af), 12 V DC, IP66 rated ,IK10	2.8mm fixed, F1.4	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-25/30 fps)	20 Smart IR
 <b>H4W4PER2</b>	4 MP WDR TDN IR Rugged Mini-Dome Camera MicroSD, up to 128GB PoE (802.3af), 12 V DC, IP66 rated ,IK10	2.7 – 13.5mm, MFZ, F1.4	4 MP (2688x1520) 1 – 20 fps; 3 MP (2304x1296) 1 – 25/30 fps	45 Smart IR
 <b>H4W4PER3</b>	4MP WDR IR Rugged Mini-Dome Camera PoE (802.3af), 12 V DC, IP66 rated ,IK10	2.8mm fixed, F2.0	4 MP (2688x1520) 1 – 20 fps; 3 MP (2304x1296) 1 – 25/30 fps	45 Smart IR
 <b>H4W4PRV3</b>	4 MP WDR TDN IR Rugged Mini-Dome Camera PoE (802.3af), 12 V DC, IP66 rated ,IK10	2.8mm fixed, F2.0	4MP (1-20 fps) 3MP (1-25/30fps) D1, CIF (1-25/30 fps)	30 Smart IR
 <b>H4D8PR1</b>	8 MP (4k) WDR TDN IR Rugged Mini-Dome Camera MicroSD, up to 128GB PoE (802.3af), 12 V DC, IP66 rated ,IK10	4.0mm fixed lens, F1.6	8MP (3840x2160) 1-15 fps; 6MP (3072x2048) 1-20 fps; 4MP (2688x1520) / WQHD (2560x1440) 1-25 fps; 3MP (2304x1296) or lower resolution at 1-25/30 fps	30 Smart IR
<b>IR BULLET</b>				
 <b>HBD2PER1</b>	2MP DWDR TDN IR Bullet Camera PoE (802.3af), 12 V DC, IP66 rated	3.6mm fixed, F2.0	2 MP (1920x1080) 1 – 25/30 fps; D1 (704x576) 1 – 25/30 fps; CIF (352x288) 1 – 25/30 fps;	30 Smart IR
 <b>HBW2PR2</b>	2 MP WDR TDN IR ,Bullet Camera MicroSDHC, up to 128GB PoE (802.3af), 12 V DC,	2.7-12mm MFZ, F1.4	2 MP (1920x1080) 1-25/30fps), D1, CIF (1-25/30 fps)	60 Smart IR
 <b>HBW4PER1</b>	4 MP WDR TDN IR Bullet Camera PoE (802.3af), 12 V DC, IP66 rated	3.6mm fixed, F2.0	4 MP (2688x1520) 1 – 20 fps; 3 MP (2304x1296) 1 – 25/30 fps	30 Smart IR
 <b>HBW4PER2</b>	4 MP WDR TDN IR ,Bullet Camera MicroSD, up to 128GB, IP66 rated	2.7 – 13.5mm, MFZ, F1.4	4 MP (2688x1520) 1 – 20 fps; 3 MP (2304x1296) 1 – 25/30 fps	50 Smart IR
 <b>HBD8PR1</b>	8 MP (4k) WDR TDN IR Bullet Camera MicroSD, up to 128GB PoE (802.3af), 12 V DC, IP66 rated	4.0mm fixed, F1.6	8MP (3840x2160) 1-15 fps; 6MP (3072x2048) 1-20 fps; 4MP (2688x1520) / WQHD (2560x1440) 1-25 fps; 3MP (2304x1296) or lower resolution at 1-25/30 fps	30 Smart IR
<b>FISHEYE</b>				
 <b>HFD5PR1</b>	5MP DN DWDR Rugged Fisheye Camera with built-in microphone MicroSD, up to 64GB PoE (802.3af), 12 V DC,	1.42mm fixed F2.6	5M (3072x2048) 1-12 fps; UXGA (1600x1200) at up to 25/30 fps	-
<b>PTZ CAMERAS</b>				
 <b>HDZP252DI</b>	2MP IR, DWDR Indoor / Outdoor PTZ, MicroSD, up to 128GB 12 V DC, IP66 rated	4.8-120mm, MFZ F1.6-F4.4	2MP (1920x1080)/720p @ 60/50 fps	100m Smart IR
 <b>HDZP304DI</b>	4MP IR, WDR 120dB Indoor / Outdoor PTZ, MicroSD, up to 128GB 24VAC ± IP66 rated	4.5-135mm, MFZ F1.6-F4.4	4 MP, 3 MP at 30 fps or 1080p, 1.3 MP, 720p at 60 fps	100m Smart IR

# MAXPRO®NVRs

ART NUMBER	DESCRIPTION	IP STREAMS	COMPRESSION	STORAGE	PERFORMANCE	DVD-RW	USB PORTS	INTERFACE	SYSTEMS
 <b>MAXPRO NVR PE</b>	Boxed NVR	Up to 64 IP streams	MJPEG, MPEG-4, H.265, H.264 Compression (IP Camera dependent)	From 1TB to 64TB Storage RAID5/6	Up to 1920 fps @ 1080p (4 Mbps bitrate) HD		6	User interface mimics MAXPRO VMS	Migration to larger MAXPRO VMS
 <b>MAXPRO NVR SE</b>	Boxed NVR	Up to 64 IP streams	MJPEG, MPEG-4, H.265, H.264 Compression (IP Camera dependent)	From 1TB to 48TB Storage	Up to 1280 fps @ 1080p (4 Mbps bitrate) HD		6	User interface mimics MAXPRO VMS	Migration to larger MAXPRO VMS
 <b>MAXPRO NVR XE</b>	Boxed NVR	Up to 16 IP streams	MJPEG, MPEG-4, H.265, H.264 Compression (IP Camera dependent)	From 1TB to 12TB Storage	Up to 480 fps @ 1080p (4 Mbps bitrate) HD		6	User interface mimics MAXPRO VMS	Migration to larger MAXPRO VMS
 <b>MAXPRO NVR Software Only</b>	Flexible, scalable and open IP video surveillance system	Up to 64 IP streams	All required software applications and a licence for 4, 8, 16, 32 or 64 channels		Up to 1920 fps @ 1080p (4 Mbps bitrate) HD			End user's IT department chooses appropriate hardware platform	Supports third party device integrations (PSIA and ONVIF)

## Performance series embedded H.265 NVRs

	PART NUMBER	RESOLUTION	RECORDING RATE (TOT)	VIDEO OUTPUT	ALARM I/O	AUDIO I/O	PORTS	PoE	SATA/eSATA	STORAGE									
4 CHANNEL		8 MP (4k) @ 1-15fps	120 fps (1080p) 80 Mbps				1 x USB3.0, 1 x USB2.0, 1 x RS232	4		no HDD									
	<b>HEN04103</b>									1 TB									
	<b>HEN04113</b>									2 TB									
8 CHANNEL		6MP/5MP/4MP/ 3MP/ 1080p/720p	240 fps (1080p) 200 Mbps	(4k) 1 HDMI 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232	8	2/0	no HDD									
	<b>HEN08103</b>									1 TB									
	<b>HEN08113</b>									2 TB									
16 CHANNEL		@ 25/30fps	480 fps (1080p) 200 Mbps				1 x USB3.0, 1 x USB2.0, 1 x RS232	16		no HDD									
	<b>HEN16103</b>									2 TB									
	<b>HEN16123</b>									4 TB									
8 CHANNEL		12MP / 8 MP (4k) @ 1-15fps	240 fps	(4k) 1 HDMI, 1 VGA	4/2		1 x USB3.0, 1 x USB2.0, 1 x RS232	8	2/0	no HDD									
										<b>HEN08104</b>	4 TB								
										<b>HEN08114</b>	12 TB								
										<b>HEN08124</b>	no HDD								
										<b>HEN16104</b>	4 TB								
										<b>HEN16114</b>	8 TB								
										<b>HEN16184</b>	no HDD								
										<b>HEN16204</b>	8 TB								
16 CHANNEL		6MP/5MP/4MP/ 3MP/ 1080p/720p @ 25/30fps	480 fps	(4k) 2 HDMI, 1 VGA	16/6		2 x USB3.0, 1 x USB2.0, 1 x RS232	4/1	no HDD										
									<b>HEN16284</b>	8 TB									
									<b>HEN162244</b>	24 TB									
									<b>HEN16304</b>	no HDD									
									<b>HEN16384</b>	8 TB									
									32 CHANNEL		6MP/5MP/4MP/ 3MP/ 1080p/720p @ 25/30fps	960 fps	(4k) 1 HDMI, 1 VGA	4/2	1/1	1 x USB3.0, 1 x USB2.0, 1 x RS232	2/0	no HDD	
																		<b>HEN32104</b>	12 TB
																		<b>HEN321124</b>	no HDD
<b>HEN32304</b>	8 TB																		
<b>HEN32384</b>	16 TB																		
<b>HEN323164</b>	no HDD																		
<b>HEN32204</b>	8 TB																		
<b>HEN32284</b>	16 TB																		
64 CHANNEL		6MP/5MP/4MP/ 3MP/ 1080p/720p @ 25/30fps	1920 fps	(4k) 2 HDMI, 1 VGA	16/6		2 x USB3.0, 1 x USB2.0, 1 x RS232	4/1	no HDD										
									<b>HEN64204</b>	no HDD									
									<b>HEN64304</b>	16 TB									
									<b>HEN643164</b>	32 TB									
									<b>HEN643324</b>	no HDD									
									<b>HEN643484</b>	48 TB									

# 30 SERIES IP CAMERAS

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 risk and their total cost of ownership – ensuring complete compliance with all industry standards and regulations.

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

## MEET THE BENEFITS



INDUSTRY-COMPLIANT SOLUTION



FIRST-CLASS IMAGE QUALITY



SECURE STREAM VIDEO ENCRYPTION



ENHANCED STORAGE SPACE



VIDEO ANALYTICS FEATURE

## Ordering Information

IR DOME CAMERAS		
	HC30W42R3	2MP Network Dome Camera, TDN, WDR, 1/2.9" CMOS, 2.8mm, 2 IR LEDs, H.265, PoE, IP66/IK10
	HC30W45R3	5MP Network Dome Camera, TDN, WDR, 1/2.7" CMOS, 2.8mm, 2 IR LEDs, H.265, PoE, IP66/IK10
	HC30W45R2	5MP Network Dome Camera, TDN, WDR, 1/2.7" CMOS, 2.8mm-12mm MFZ Lens, 2 IR LEDs, H.265, PoE, IP66/IK10
IR BULLET CAMERAS		
	HC30WB2R1	2MP Network Bullet Camera, TDN, WDR, 1/2.9" CMOS, 4mm, 2 IR LEDs, H.265, PoE, IP66
	HC30WB5R1	5MP Network Bullet Camera, TDN, WDR, 1/2.7" CMOS, 4mm, 2 IR LEDs, H.265, PoE, IP66
	HC30WB5R2	5MP Network Bullet Camera, TDN, WDR, 1/2.7" CMOS, 2.8mm-12mm MFZ Lens, 2 IR LEDs, H.265, PoE, IP66
IR BALL CAMERAS		
	HC30WE2R3	2MP Network Ball Camera, TDN, WDR, 1/2.9" CMOS, 2.8mm, 2 IR LEDs, H.265, PoE, IP66/IK10
	HC30WE5R3	5MP Network Ball Camera, TDN, WDR, 1/2.7" CMOS, 2.8mm, 2 IR LEDs, H.265, PoE, IP66/IK10
	HC30WE5R2	5MP Network Ball Camera, TDN, WDR, 1/2.7" CMOS, 2.8mm-12mm MFZ Lens, 2 IR LEDs, H.265, PoE, IP66/IK10
IR FISHEYE CAMERA		
	HC30WF5R1	5MP Network Fisheye Camera, TDN, WDR, 1/2.7" CMOS, 1.16mm, 6 IR LEDs, H.265, PoE, IP66/IK10, built-in microphone



Explore the Future of  
Your Life and Business

**THE  
FUTURE  
IS WHAT  
WE  
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