

Honeywell Systems



ACCESS CONTROL AND VIDEO SURVEILLANCE

Product Catalog 2011-2012 North America Edition

Honeywell

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Customer Service.....800-796-2288 option 3
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Satisfy and retain customers by saying what you do and doing what you say.

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Access Control



Access control systems allow business owners to limit entry into selected departments based upon time, user authority and the armed state of the department's intrusion detection system.

State-of-the-art access control software integrates the most advanced security technologies with innovative networking capabilities to bring you full-featured security solutions serving any size facility. We are committed to continually developing state-of-the-art technology and providing you with total system solutions for your access control needs.

Software & Systems

WIN-PAK® Software

Honeywell's WIN-PAK access control software combines access control, digital video and intrusion into one powerful system.

WIN-PAK SE 2.0 improves scalability, capability and control.

WIN-PAK PE 2.0 combines all the features of SE plus intrusion, advanced video functions, unrestricted number of client workstations, multiple account support for multi-department/site applications and multiple communication servers, all inclusive.



WIN-PAK SE 2.0

Supporting multiple control panel platforms, WIN-PAK optimizes system performance and total cost of ownership. Seamless integration provides a common look and feel for access control hardware as well as video and intrusion solutions.

WPS2

WIN-PAK SE 2.0

WPS2V

WIN-PAK SE 2.0 with VISTA

WPS2U5

WIN-PAK SE 2.0 Five user

WPS2U5V

WIN-PAK SE 2.0 Five user with VISTA

WIN-PAK SE 2.0 UPGRADES

USXS2

Upgrade from WIN-PAK 2005/SE - Same options and users to WIN-PAK SE 2.0

US2S2V

Upgrade from WIN-PAK SE 2.0 Single user (WPS2) to WIN-PAK SE 2.0 Single user with VISTA (WPS2V)

US2S2U5

Upgrade from WIN-PAK SE 2.0 Single user (WPS2) to WIN-PAK SE 2.0 Five user (WPS2U5)

US2S25V

Upgrade from WIN-PAK SE 2.0 Single user (WPS2) to WIN-PAK SE 2.0 Five user with VISTA (WPSU52V)

US2VS25V

Upgrade from WIN-PAK SE 2.0 Single user with VISTA (WPS2V) to WIN-PAK SE 2.0 Five user with VISTA (WPSU52V)

US25S25V

Upgrade from WIN-PAK SE 2.0 Five user (WPS2U5) to WIN-PAK SE 2.0 Five user with VISTA (WPSU52V)

HARDWARE KEYS FOR RAID APPLICATIONS

WPS2K

WIN-PAK SE 2.0 hardware key only for RAID applications

WPS2U5K

WIN-PAK SE 2.0 Five user hardware key only for RAID applications

WIN-PAK SE 2.0 SYSTEM KITS



ROCKET4

Rocket Box 4 Door Access Control Starter Kit

Includes WIN-PAK SE 2.0 (WPS2), RS485 converter (PCI3), 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30GENR), transformer (X-4) and four suppressor kits (S-4).



BOOSTER2

2 Door Add-On Kit for Rocket Box

Includes 2 door control panel (N-1000-III), two OmniProx proximity readers (OP30HONR), transformer (X-4) and two suppressor kits (S-4).



BOOSTER2P

2 Door Add-On Kit for Rocket Box

Includes 2 door control panel (NS2P), two OmniProx proximity readers (OP30HONR), transformer (X-4), battery (BAT-3) and two suppressor kits.



BOOSTER4

4 Door Add-On Kit for Rocket Box

Includes 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30GENR), transformer (X-4) and four suppressor kits (S-4).



TSAP

4 Door Total Starter Access Package

The most complete system on the market, all you need to add is wire, locks and cards. This starter kit includes WIN-PAK SE 2.0 access control software (WPS2), N-1000 control panel (N-1000-IV-X) with transformer (X-4) and four surge suppressors (S-4), RS485 interface (PCI3), four OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WG-WH).

TEAP2

2 Door Total Expansion Package

2 door expansion kit for the Total Starter Package. This expansion kit includes an N-1000 control panel (N-1000-III) with transformer (X-4) and two surge suppressors (S-4), two OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), two request-to-exit devices (IS310WH) and two door contacts (7939WG-WH).

TEAP4

4 Door Total Expansion Package

4 door expansion kit for the Total Starter Package. This expansion kit includes N-1000 control panel (N-1000-IV-X) with transformer (X-4) and four surge suppressors (S-4), four OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WG-WH).

WIN-PAK® SE COMPUTER & BADGING SYSTEMS



PCAC202

WIN-PAK SE 2.0 Computer with 5-User Software
WIN-PAK computer and software only.



PCAC244

WIN-PAK SE 2.0 Badging System with Simplex Printer

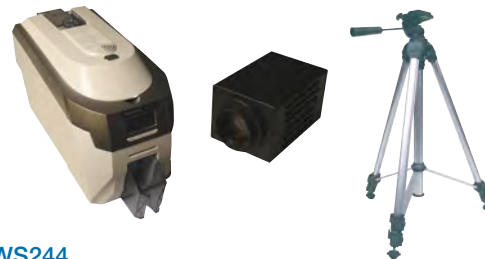
The system includes five user WIN-PAK SE 2.0 software (WPS2U5), camera (PBCAM21), lighting kit (PBLK3), tripod (PB-TRI-POD), standard parallel printer cable (CBL-3), event printer (PB-PRINTER), 25 no-technology PVC cards (PVC-NT-1), one communication adapter (PCI3), Rio Pro simplex PVC card printer (3652-0001), color ribbon (3633-130) and cleaning kit (3633-0053).



PCWS201

WIN-PAK SE 2.0 Workstation

Workstation computer. Does not include software.



PCWS244

WIN-PAK SE 2.0 Badging Workstation with Simplex Printer

The system includes Rio Pro simplex badging card printer (3652-0001), camera and power supply (PBCAM21), lighting kit (PBLK3), tripod (PB-TRI-POD), 25 no-technology PVC cards (PVC-NT-1), color ribbon (3633-130) and cleaning kit (3633-0053).



PCFS202

WIN-PAK SE 2.0 File Server Computer and 5-User Software

File server computer configured with five user WIN-PAK SE 2.0 (WPS2U5) and 5-user Windows 2008 R2 Server. Does not support badging kits.

 WIN-PAK® SE SYSTEMS

Included Components	5-User WIN-PAK SE 2.0 Computer (PCAC202)	5-User WIN-PAK SE 2.0 Badging System (PCAC244)	5-User OS WIN-PAK SE 2.0 File Server Computer (PCFS202) Badging Kits Not Supported	WIN-PAK SE 2.0 Workstation (PCWS201)	WIN-PAK SE 2.0 Badging Workstation (PCWS244)
Dell Standard CPU	✓	✓		✓	✓
Dell File Server CPU, 5-User OS			✓		
WIN-PAK SE 2.0, 5-User (WPS2U5)	✓	✓	✓		
Dell 17" Flat Screen LCD Monitor	✓	✓	✓	✓	✓
Rio Pro Simplex Printer (3652-0001)		✓			✓
Rio Pro Color Ribbon (3633-130)		✓			✓
Rio Pro Cleaning Kit (3633-0053)		✓			✓
PC Communication Interface (PCI3)		✓			
USB Badging Camera (PBCAM21)		✓			✓
Camera Tripod (PB-TRI-POD)		✓			✓
Badging Lighting Kit (PBLK3)		✓			✓
Dot-Matrix Event Printer (PB-PRINTER)		✓			
Printer Cable (CBL-3)		✓			
Blank PVC Cards, 25 Quantity (PVC-NT-1)		✓			✓
Quick Reference Guide (TD0074-02)	✓	✓	✓	✓	✓

WIN-PAK® PE 2.0

WPP2

WIN-PAK PE 2.0 with advanced video, VISTA intrusion and Galaxy intrusion

WIN-PAK PE 2.0 UPGRADES

UPP2

Upgrade from WIN-PAK PE (WPPE) to WIN-PAK PE 2.0 (WPP2)

US2P2

Upgrade from WIN-PAK SE 2.0 Single user (WPS2) to WIN-PAK PE 2.0 (WPP2)

US25P2

Upgrade from WIN-PAK SE 2.0 Five user (WPSU52) to WIN-PAK PE 2.0 (WPP2)

HARDWARE KEYS FOR RAID APPLICATIONS

WPP2K

WIN-PAK PE 2.0 hardware key only for RAID applications



WPPAC202

WIN-PAK PE 2.0 Server Access Control Computer with 5-User OS

WIN-PAK PE 2.0 file server computer with 5-user operating system

WIN-PAK® PE 2.0 WORKSTATIONS



WPPWS201
WIN-PAK PE 2.0 Workstation Computer



WPPWS244
WIN-PAK PE 2.0 Badging System with Simplex Printer
Badging ready workstation equipped with the Rio Pro simplex badging printer (3652-0001). Includes camera and power supply (PBCAM21), lighting kit (PBLK3), tripod (PB-TRI-POD), 25 no-technology PVC cards (PVC-NT-1), color ribbon (3633-130) and cleaning kit (3633-0053).

WIN-PAK PE SYSTEMS

	5-User WIN-PAK PE 2.0 File Server Computer (WPPAC202)	5-User WIN-PAK PE 2.0 Badging Workstation (WPPWS244)
Included Components		
Dell File Server CPU, 5-User OS	✓	
Dell Workstation CPU		✓
WIN-PAK PE 2.0 Software	✓	
Dell 17" Flat Screen LCD Monitor	✓	✓
Rio Pro Simplex Printer (3652-0001)		✓
Rio Pro Color Ribbon (3633-130)		✓
Rio Pro Cleaning Kit (3633-0053)		✓
USB Badging Camera (PBCAM21)		✓
Badging Lighting Kit (PBLK3)		✓
Camera Tripod (PB-TRI-POD)		✓
Blank PVC Cards, 25 Quantity (PVC-NT-1)		✓
Quick Reference Guide (TD0074-02)	✓	✓

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

Notes

Software & Systems

PRO2200

The PRO2200 is an advanced access control panel capable of providing solutions where installation space is at a premium. Designed to fit in tight spaces, it provides high-density installations for up to 16 doors in under two square feet of space.

The rack-mount design makes it ideal for applications where eight or more doors are needed.



PRO2200

Honeywell's PRO2200 Professional Series access control panel provides an ideal solution for installations where space is at a premium. Expandable door modules offer incremental protection to easily grow the system as needs change.

PRO22E1EN

- Intelligent Controller Kit* TCP/IP Communication
- Includes (1) PRO22IC, (1) PRO22EN, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant

**Software not included; order WPS2*

PRO22E1IC

- Intelligent Controller Kit* RS485 Communication
- Includes (1) PRO22IC, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant

PRO22E1D2

- 2-Door TCP/IP Kit*
- Includes (1) PRO22IC, (1) PRO22EN, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1, (1) PRO22R2, (2) S-4

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant

PRO22E1D4

- 4-Door TCP/IP Kit*
- Includes (1) PRO22IC, (1) PRO22EN, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1, (2) PRO22R2, (4) S-4

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant

PRO22E1D8

- 8-Door TCP/IP Kit*
- Includes (1) PRO22IC, (1) PRO22EN, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1, (4) PRO22R2, (8) S-4

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant

PRO22SKD8

- 8-Door TCP/IP Kit with WIN-PAK SE 2.0 Software
- Includes (1) PRO22IC, (1) PRO22EN, (1) PRO22DCC, (1) PRO32E1PS, (1) PRO22BAT1, (1) PRO22ENC1, (4) PRO22R2, (8) S-4

Enclosure dimensions:

- 13.9" H x 17" W x 9" D
(35.3 cm H x 43.2 cm W x 22.9 cm D)

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Humidity:

- 0 to 85% RHNC

Listings:

- UL Listed to UL294
- CE and FCC compliant





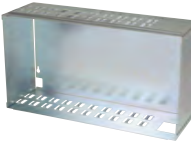


The PRO22SKD8 Kit comes with WIN-PAK SE 2.0 software!

**Software not included; order WPS2*

PRO2200 Professional Series Access Control Quick Reference Guide





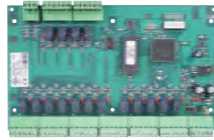







Enclosures & Kits

ENCLOSURES					
Description	Wall Mount High Density Enclosure Mount	19" Rack Mount Enclosure	Title Mount Remote Enclosure (Remote enclosure for two I/O boards)	Single Reader Board Mount (Small enclosure for single reader board)	Card Rack Mount
Part Number	PRO22ENC1	PRO22ENC2	PRO22ENC3	PRO22ENC4	PRO22ENC5
Specifications	The PRO22ENC1 is a high-density wall mount enclosure capable of housing up to nine PRO2200 modules. Power supply (PRO32E1PS) and battery (PRO22BAT1) sold separately.	The PRO22ENC2 is a high-density 19" rack mount enclosure capable of housing up to nine PRO2200 modules.	The PRO2200 tile mount enclosure is capable of housing and supplying battery backed power for two PRO2200 series modules. Contains 2.4 A power supply and 4 AH sealed lead acid battery.	Single reader board enclosure designed specifically for the PRO22R1.	Rack cage only for custom enclosures. Capacity: Nine PRO2200 modules (excluding PRO22R1).
Battery	Sold separately. Order Part Number: PRO22BAT1	Sold separately. Order Part Number: PRO22BAT1	Included. Contains 4 AH sealed lead acid battery.	Included. Contains 4 AH sealed lead acid battery.	Sold separately. Order Part Number: PRO22BAT1
Power Supply	Sold separately. Order Part Number: PRO32E1PS	Sold separately. Order Part Number: PRO32E1PS	Included. Contains 2.4 A power supply.	Included. Contains 2.4 power supply.	Sold separately. Order Part Number: PRO32E1PS
Dimensions	13.9" H x 17" W x 9" D (35.3 cm H x 43.2 cm W x 22.9 cm D)	13.9" H x 18.9" W x 9" D (35.3 cm H x 48.0 cm W x 22.9 cm D)	14" H x 16" W x 4" D (35.6 cm H x 40.7 cm W x 10.2 cm D)	8.37" H x 7.63" W x 7.63" D (21.3 cm H x 19.4 cm W x 19.4 cm D)	9.35" H x 16.85" W x 5.6" D (23.8 cm H x 42.8 cm W x 14.2 cm D)

KITS	INTELLIGENT CONTROLLER KITS		HARDWARE KITS			8-DOOR STARTER KIT
Description	Intelligent Controller Kit RS485 Communication	Intelligent Controller Kit TCP/IP Communication	Intelligent Controller Kit RS485 Communication	4-Door TCP/IP Kit	8-Door TCP/IP Kit	8-Door TCP/IP Kit with WIN-PAK SE 2.0 Software
Part Number	PRO22E1IC	PRO22E1EN	PRO22E1IC	PRO22E1D4	PRO22E1D8	PRO22SKD8
Included Items	(1) PRO22IC (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1	(1) PRO22IC (1) PRO22EN (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1	(1) PRO22IC (1) PRO22EN (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1 (1) PRO22R2 (2) S-4	(1) PRO22IC (1) PRO22EN (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1 (2) PRO22R2 (4) S-4	(1) PRO22IC (1) PRO22EN (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1 (4) PRO22R2 (8) S-4	(1) PRO22IC (1) PRO22EN (1) PRO22DCC (1) PRO32E1PS (1) PRO22BAT1 (1) PRO22ENC1 (4) PRO22R2 (8) S-4
Software	Not included. Order Part Number: WPS2	Not included. Order Part Number: WPS2	Not included. Order Part Number: WPS2	Not included. Order Part Number: WPS2	Not included. Order Part Number: WPS2	WPS2

PRO2200 Professional Series Access Control Quick Reference Guide

Communication & Accessories

COMMUNICATION DEVICES						
Description	Intelligent Controller	Two Reader Board	Single Reader Board	16 Input Module	16 Output Module	Ethernet Daughter Board
Part Number	PRO22IC	PRO22R2	PRO22R1	PRO22IN	PRO22OUT	PRO22EN
Specifications	<ul style="list-style-type: none">• Supports any combination of up to eight input/output or reader boards• Monitor alarm input points, relay output points and access control reader interface points• Accommodates a card database of 20,000 cards and a standard transaction buffer of 5,000	<ul style="list-style-type: none">• Supports two TTL, Wiegand or clock and data, readers• Supplies two Form-C contacts, 5 A @ 28 VDC (resistive) for controlling locks• Supplies four Form-C, 2 A @ 28 VDC (resistive) for auxiliary devices• Provides eight supervised inputs and two unsupervised dedicated inputs	<ul style="list-style-type: none">• Supports one TTL, Wiegand or clock and data) reader• Supplies one Form-C contact, 5 A @ 28 VDC (resistive) for controlling locks• Supplies one 1 A @ 28 VDC for controlling other devices along with two supervised inputs for door contact and REX device• Use PRO22ENC4 enclosure	<ul style="list-style-type: none">• 12 general purpose inputs with programmable circuit type• 16 are available when using PRO22ENC3 tile-mounted enclosure• Two dedicated alarm inputs for tamper detection and power loss (tile-mounted only)• Two general purpose, Form-C, 2 A @ 30 VDC relays, only one available when using PRO22ENC1, PRO22ENC2 and PRO22ENC5	<ul style="list-style-type: none">• 12 general purpose output relays, Form-C, 2 A @ 30 VDC• 16 are available when using PRO22ENC3 tile-mounted enclosure• Two dedicated alarm inputs for tamper detection and power-loss (tile-mounted only)	<ul style="list-style-type: none">• Offers TCP/IP (10 Base-T) interface that mounts directly on the PRO22IC• Does not requires external devices or wiring• Power is supplied by the PRO22IC• Use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network• Transmit, receive, and good link diagnostic TCP/IP status indicators
Dimensions	5.5" H x 9.0" W x 1.0" D 228.6 mm H x 139.7 mm W x 25.4 mm D	5.5" H x 9.0" W x 1.0" D 139.7 mm H x 228.6 mm W x 25.4 mm D	2.75" H x 4.25" W x 1.4" D 108 mm H x 70 mm W x 36 mm D	5.5" H x 9.0" W x 1.0" D 139.7 mm H x 228.6mm W x 25.4 mm D	5.5" H x 9.0" W x 1.0" D 139.7 mm H x 228.6 mm W x 25.4 mm D	1.574" H x 1.929" W x 1" D 40.0 mm H x 49.0 mm W x 25.4 mm D
Power Requirements	10-16 VDC @ 400 mA	12 VDC @ 400 mA	12 VDC 125 mA (175 mA max available for reader power)	12 VDC @ 350 mA	12 VDC @ 400 mA	
ACCESSORIES						
Description	RS232-RS485 Data Converter	4 A Rack Mounted Power Supply with Battery Backup	12 V, 7 A Backup Battery	Daisy Chain Cable	Suppressor Kit	WIN-PAK SE 2.0 Software
Part Number	PRO22CVT1	PRO32E1PS	PRO22BAT1	PRO22DCC	S-4	WPS2
Specifications	<ul style="list-style-type: none">• RS485 interface located between the computer and the PRO22IC• Converts the RS232 data coming from the serial port on the PC into RS485 data	<ul style="list-style-type: none">• Includes battery charger for use in PRO22ENC1 or PRO22ENC2 enclosures• This power supply is auto-switching and can accept 85 VAC to 230 VAC @ 50/60 Hz• Battery (PRO22BAT1) sold separately	<ul style="list-style-type: none">• 12 V, 7 AH sealed lead acid battery for use with the PRO32E1PS power supply	<ul style="list-style-type: none">• Prewired cable harness used to quickly route power and RS485 communications across up to nine PRO2200 series panels located in the PRO22ENC1 or PRO22ENC2 enclosure	<ul style="list-style-type: none">• One suppressor kit is required for every electrical switching device connected through a relay contact	<ul style="list-style-type: none">• Standalone – Single user version of WIN-PAK SE 2.0

Web-based Access Control

NetAXS®

Honeywell's web-based access control offering provides solutions for installations of any size. NetAXS® enables users to manage their system anywhere there's an Internet connection – with no dedicated PC costs. The user-friendly design makes it simple to install and easy to operate and maintain. Its superior scalability means you can purchase the exact amount of access control you need now, and add doors later as business needs change. NetAXS also integrates with Honeywell's fully-featured WIN-PAK software to enable more robust integrations.



NetAXS-123

NetAXS-123 starts at one, two or three doors – perfect for single sites and smaller facilities.

Simple. Scalable. Flexible.

NX1P

- 1-door, compact plastic enclosure with tamper switch
- PoE or externally powered

Enclosure dimensions:

- 7.75" H x 7.75" W x 2.75" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- Can/ULC-S319
- CE and FCC compliant

NetAXS-123 continued

NX1MPS

- 1-door, standard metal enclosure with power supply and battery
- Includes 4 A, 12 VDC output/100-240 VAC input power supply and 12 V, 7 AH battery

Enclosure dimensions:

- 13.9" H x 11.9" W x 4.7" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- Can/ULC-S319
- CE and FCC compliant

NetAXS-123 KITS

NX1P10

- 1-door, compact plastic enclosure with tamper switch
- PoE or externally powered
- (1) OmniProx mini-mullion reader

Enclosure dimensions:

- 7.75" H x 7.75" W x 2.75" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- Can/ULC-S319
- CE and FCC compliant

NX1MPS10

- 1-door, standard metal enclosure with power supply and battery
- Includes 4 A, 12 VDC output/100-240 VAC input power supply and 12 V, 7 AH battery
- (1) OmniProx mini-mullion reader

Enclosure dimensions:

- 13.9" H x 11.9" W x 4.7" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- Can/ULC-S319
- CE and FCC compliant

NetAXS-123 ADD-ON BOARDS

NXD1

- 1-door add-on board
- Adds 1 door to your existing 1-door system = 2 doors

NXD2

- 2-door add-on board
- Adds 2 doors to your existing 1-door system = 3 doors



NetAXS-4

NetAXS-4 is ideal for installations starting at four doors.
Simple. Scalable. Flexible.

NX4S1

- 4-door, standard metal enclosure
- Includes NetAXS controller, standard enclosure, suppressor, 12 VDC wall transformer and 7 AH battery

Enclosure dimensions:

- 18" H x 15" W x 4.5" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- CE and FCC compliant

NX4L1

- 4-door, deluxe metal enclosure
- Includes NetAXS controller, deluxe enclosure, fire alarm interlock fused output module, (2) 7 AH backup batteries, 24 VDC 6 A built-in power supply and power for up to four door locks – everything you need to power the system.

Enclosure dimensions:

- 23.9" H x 17.7" W x 4" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- FCC compliant

NX4OP30S

- 4-door, standard metal enclosure
- Includes (4) OP30HONR OmniProx Readers

Enclosure dimensions:

- 18" H x 15" W x 4.5" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- CE and FCC compliant

NX4OP40S

- 4-door, standard metal enclosure
- Includes (4) OP40HONR OmniProx Readers

Enclosure dimensions:

- 18" H x 15" W x 4.5" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- CE and FCC compliant

NX4OP30L

- 4-door, deluxe metal enclosure
- Includes (4) OP30HONR OmniProx Readers

Enclosure dimensions:

- 23.9" H x 17.7" W x 4" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- CE and FCC compliant

NX4OP40L

- 4-door, deluxe metal enclosure
- Includes (4) OP40HONR OmniProx Readers

Enclosure dimensions:

- 23.9" H x 17.7" W x 4" D

Temperature ratings:

- 32° F to 120° F (0° C to 49° C) Operating
- -67° F to 185° F (-55° C to +85° C) Storage

Listings:

- UL Listed to UL294
- FCC compliant

NetAXS® Quick Reference Guide

Web-based access control for installations of any size.

NetAXS-123



NX1P

1 Door Compact Plastic Enclosure



NX1MPS

1 Door Standard Metal Enclosure



NXD1

1 Door Add-on Board



NXD2

2 Door Add-on Board

NetAXS-4



NX4S1

4 Door Standard Metal Enclosure



NX4L1

4 Door Deluxe Metal Enclosure

Readers



OP10HON

Mini Mullion Mount



OP40HON

Wall Mount



OP30HON

Mullion Mount

NetAXS Web-based Access Control

Part Number	Doors				
	1	2	3	4	>4 doors
NX1P*	✓				For systems greater than 4 doors and mixing NetAXS-123 and NetAXS-4 door controllers, the NetAXS-123 must be configured as the first panel or gateway. This allows a maximum system size of 123 doors. (31 panels)
NX1MPS	✓				
NX1P + NXD1*		✓			
NX1MPS + NXD1		✓			
NX1MPS + NXD2			✓		
NX4S1				✓	
NX4L1				✓	

* 450 mA @12 VDC is the maximum current available to power strike, reader(s) and input devices when using a 802.3af PoE connection. If additional current is required, an external power supply is needed.

NetAXS Web-based Access Control: Reader Kits

Part Number	Doors				
	1	2	3	4	>4 doors
NX1P10 (1) NX1P + (1) OP10HONR	✓				For systems greater than 4 doors and mixing NetAXS-123 and NetAXS-4 door controllers, the NetAXS-123 must be configured as the first panel or gateway. This allows a maximum system size of 123 doors. (31 panels)
NX1MPS10 (1) NX1MPS + (1) OP10HONR	✓				
NX1P10 + NXD1OP10 (1) NX1P + (1) NXD1 + (1) OP10HONR + (1) OP10HONR		✓			
NX1MPS10 + NXD1OP10 (1) NX1MPS + (1) NXD1 + (1) OP10HONR + (1) OP10HONR		✓			
NX1MPS10 + NXD2OP10 (1) NX1MPS + (1) NXD2 + (1) OP10HONR + (2) OP10HONR			✓		
NX4OP30S (1) NX4S1 + (4) OP30HONR				✓	
NX4OP40S (1) NX4S1 + (4) OP40HONR				✓	
NX4OP30L (1) NX4L1 + (4) OP30HONR				✓	
NX4OP40L (1) NX4L1 + (4) OP40HONR				✓	

Accessories

Part Number	Description
OmniClass Readers (supports hold line)	
OM30BHONC	R10 mini-mullion reader, black
OM40BHONC	R40 U.S. single gang reader, black
Request-to-Exit	
IS310WH	IS310WH entry level RTE, white
IS310BL	IS310BL entry level RTE, black
IS320WH	IS320WH fully featured RTE, white
IS320BL	IS320BL fully featured RTE, black
Cards	
PVCH4	34-bit, printable card, proximity
PX4H	34-bit, proximity card with logo (HID)
PXKEYH	34-bit, key fob, proximity

Visitor Management

LobbyWorks®

The lobby is your first line of defense and your visitor's first impression. With increased threats, the traditional method of using a log book and generic visitor tags leaves you vulnerable. LobbyWorks® is a simple and effective way to gain better control of your visitor traffic. With LobbyWorks, visitors are identified, potential threats are flagged, expected visitors are pre-authorized, badges are issued, sponsors are notified, and visitors are tracked while on the premises.



LOBBYWORKS — GETTING STARTED

The LobbyWorks Visitor Management Suite enhances your investment in access control and perimeter security by providing a simple and effective way to register, badge and track visitors.

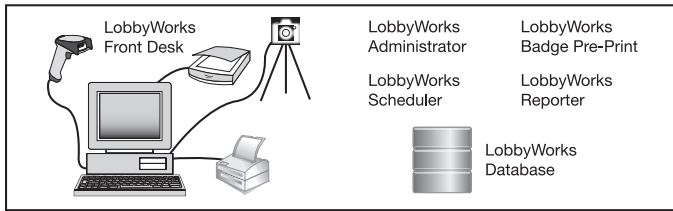
LobbyWorks is available in two editions:

- 1. LobbyWorks Express Edition** is a single-workstation reception-desk license that supports connectivity to registration devices such as cameras, signature pad, barcode scanner, business card scanner, driver license and passport scanner, and card reader. Express Edition supports up to 500 hosts/employees.
- 2. LobbyWorks Premier Edition** is a networked system license (client-server) that supports connectivity to registration devices such as cameras, signature pad, barcode scanner, business card scanner, driver license and passport scanner, and card reader. Premier Edition includes your first Front Desk (e.g. reception desk) license, first Reporter license and support for 5000 hosts/employees.

Available system add-ons include:

- Front Desk (reception desk) licenses
- Kiosk (self-service software) licenses
- Notify (desk top notification) license
- Reporter (reports) licenses
- Web Center (pre-registration web) license
- Add-on host licenses
- Pro-Watch integration license

LobbyWorks® EXPRESS EDITION



EXPRESS EDITION BASE PARTS

(select one):

LWVMSKEX

Express Edition kit includes:

- One (1) LWVMSEED Express Edition license with media
- One (1) LWVMSBP Thermo printer
- One (1) LWVMSVB2 Thermal labels (total 2 rolls of 300 labels each)
- One (1) LWVMSDOME Logitech camera

LWVMSEED

Express Edition license includes:

500 hosts, one (1) Front Desk license, one (1) Reporter license, Badge Re-print license, Scheduler license, and Administrator license. Includes media

EXPRESS EDITION ADD-ONS

LWVMSSNAP

Snapshell IDR business card and driver license scanner



LWVMSEEPR

License upgrade from Express Edition to Premier Edition

Also see sections Compatible Hardware and Consumables

LobbyWorks Front Desk

LobbyWorks Front Desk facilitates reception-assisted registration and tracking of visitors. For an expected visitor, the Front Desk user pre-loads a visitor's information including name, contact details, date(s) of visit, and planned host into the Windows based application. The Front Desk operator may also register a large number of people as a group by importing group members from a text file.

For an unexpected visitor, Front Desk automatically compares visitor information against a pre-determined watch list and if a match is found, the Front Desk user may choose whether to continue with registration.

LobbyWorks Administrator

LobbyWorks Administrator taps into the flexibility and power of LobbyWorks to tailor it to your specific facility and business needs. Control security policies for visitors and contractors, user permissions, badge and report templates, and much more.

Scheduler

The Scheduler application coordinates and executes automation activities within LobbyWorks such as employee list synchronization, calendar integration, and closing or signing out of temporary hosts and visitors at the end of the day. Calendar integration is only available in the LobbyWorks Premier Edition.

Badge Pre-Print

Pre-prints badges for pre-registered visitors expected that day.

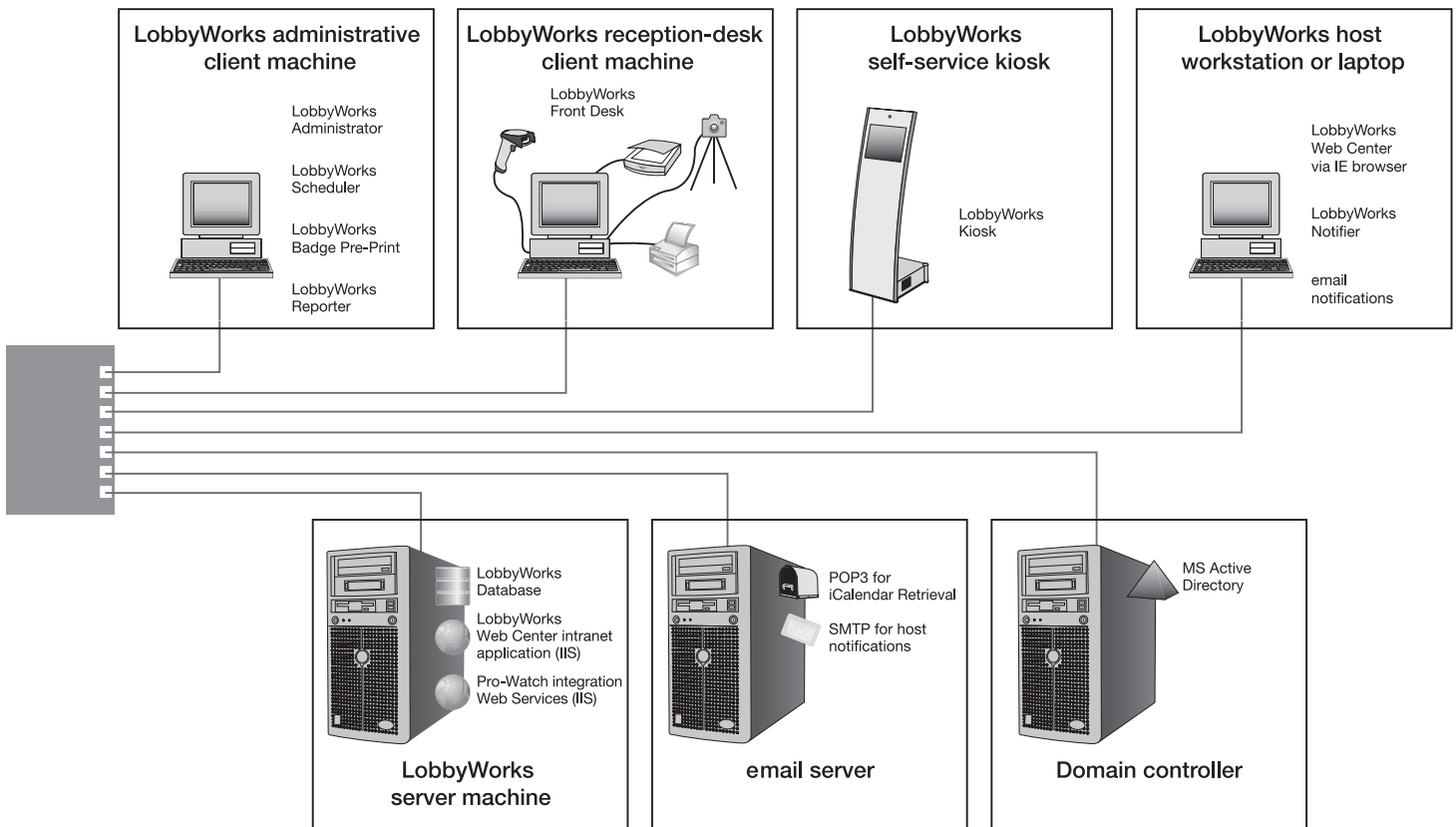
Reporter

Allows authorized personnel to generate detailed visitor traffic reports and graphs for each day, week, month or year for true reporting flexibility at your fingertips. View traffic per employee, visitor, department, location, building or company. One license of LobbyWorks Reporter is included in Express and Premier Editions and can save reports in HTML, PDF, CSV or RTF formats.

Database

LobbyWorks is compatible with SQL 2008 Express 32/64-bit (included on Media), SQL 2005 Express 32-bit, SQL 2005 32-bit and SQL 2008 32/64bit.

LobbyWorks® PREMIER EDITION



PREMIER EDITION BASE PARTS

LWVMSKPRS

Premier Edition kit includes:

- One (1) LWVMSPRE Premier Edition license with media
- One (1) LWVMSBP Thermo printer
- One (1) LWVMSVB Thermal labels (total 12 rolls of 300 labels each)
- One (1) LWVMSDOME Logitech camera
- One (1) LWVMSSNAP driver license/business card scanner

LWVMSPRE

Premier Edition license includes:

5,000 hosts, one (1) Front Desk license, one (1) Reporter license, Badge Re-print license, Scheduler license, and Administrator license. Includes media.

PWVMSKPRS (Available to HIS-authorized integrators only)

Premier Edition kit includes:

- One (1) LWVMSPRE Premier Edition license with media
- One (1) PWLW4 Pro-Watch connector license
- One (1) LWVMSBP Thermo printer
- One (1) LWVMSVB Thermal labels (total 12 rolls of 300 labels each)
- One (1) LWVMSDOME Logitech camera
- One (1) LWVMSSNAP driver license/business card scanner

PWVMSPRE (Available to HIS-authorized integrators only)

Kit includes:

- One (1) LWVMSPRE Premier Edition license with media
- One (1) PWLW4 Pro-Watch connector license

Note: A Customer Information Form (CIF) must be completed before the order can be processed.

PREMIER EDITION ADD-ONS

LWVMSKFRS

Front Desk kit includes:

- One (1) LWVMSFRD Front Desk license
- One (1) LWVMSBP Thermo printer
- One (1) LWVMSVB Thermal labels (total 12 rolls of 300 labels each)
- One (1) LWVMSDOME Logitech camera
- One (1) LWVMSSNAP driver license/business card scanner

LWVMSFRD

Front Desk license for one concurrent workstation

LWVMSRPR

Reporter license for one concurrent workstation

LWVMSKIO

Kiosk license facilitates visitor self-registration and can also provide information such as safety videos and visit agreements. Licensed per concurrent workstation.

LWVMSWEB

Web Center license is used by employees to pre-register their visitors, and by authorized security personnel to view visitor traffic and validate visitor badges. Runs on IIS 5.1 and 6.0. Supports browsers IE6, 7, and 8. Licensed per system.

LWVMSNOT

Notify license informs host upon visitor's arrival via a pop-up application installed on each host's PC. Licensed per system.

LWVMSADD

Host license for one host

You can purchase more licenses to increase the number of supported hosts above the 5,000 included in the Premier Edition. The maximum number of hosts in Premier Edition cannot exceed 50,000. Each person who may receive visitors is a host. Licensed per host.

PWLW4 (Available to HIS-authorized integrators only)

The Pro-Watch 3.7/3.8 connector allows Front Desk operators to assign access privileges to visitors within Pro-Watch for a visitor badge. The connector also imports hosts from Pro-Watch and allows the Front Desk operator to issue a temp card to a host who has forgotten their access control card. A host's permanent card is automatically disabled in Pro-Watch when a host temp card is issued. Licensed per system.

LobbyWorks® AVAILABLE SOFTWARE SUPPORT AGREEMENTS

Services Offerings	Standard SSA	End User SSA
Software upgrades	X	X
Priority integrator technical support	X	X
24/7/365 integrator technical support		X
24/7/365 end user technical support		X
Unique site identification	X	X
Honeywell online training program	X	X
Discounted on-site support services	X	X
Discounted system optimization program	X	X
Remote access diagnostic sessions to the system		X
Remote access for customizing features and expanding functionality		X
Access to Honeywell global support infrastructure		X

STANDARD SSA

SSALWVMSPRE

1 year standard SSA for part LWVMSPRE

SSALWVMSFRD

1 year standard SSA for part LWVMSFRD

SSALWVMSKIO

1 year standard SSA for part LWVMSKIO

SSALWVMSRPR

1 year standard SSA for part LWVMSRPR

SSALWVMSWEB

1 year standard SSA for part LWVMSWEB

SSALWVMSNOT

1 year standard SSA for part LWVMSNOT

SSALWVMSADD

1 year standard SSA for part LWVMSADD

END USER SSA

SSAEULWVMSPRE

1 year maintenance for part LWVMSPRE

SSAEULWVMSFRD

1 year maintenance for part LWVMSFRD

SSAEULWVMSKIO

1 year maintenance for part LWVMSKIO

SSAEULWVMSRPR

1 year maintenance for part LWVMSRPR

SSAEULWVMSWEB

1 year maintenance for part LWVMSWEB

SSAEULWVMSNOT

1 year maintenance for part LWVMSNOT

SSAEULWVMSADD

1 year maintenance for part LWVMSADD

LobbyWorks® HARDWARE

Note: LobbyWorks 4.0 utilizes standard Windows drivers for printing so any printer that is capable of printing from the Windows OS may be used. Honeywell offers black and white thermal printers for convenience.

LWVMSSNAP

Snapshell IDR business card and driver license scanner with OCR recognition

Recommended for newer licenses with holograms.



LWVMSPPS

Passport scanner with OCR recognition



LWVMSDOME

Logitech camera



LWVMSBP

Dymo LabelWriter 450 thermal printer for basic quality, black and white images

Note: For applications requiring higher quality images, Honeywell recommends standard ink jet printers.



LWVMSOBS

Barcode scanner



LWVMSSIG

Topaz signature capture pad



LWVMSSHUB

4-port USB hub



PCPRXUSBH

USB wedge reader for HID prox cards



BR-7

Infrared barcode swipe reader with Wiegand output



BR-VL

Visible light barcode swipe reader with Wiegand output (recommended for thermal printers)



LobbyWorks® CONSUMABLES

LWVMSVB

Thermal labels for Dymo,
12 rolls of 300 labels each



Also Available:

LWVMSVB2

Thermal labels for Dymo, 2 rolls of 300 labels each

LWVMSCVB

Fold and clip badges,
pack of 1000
For use with ink jet/laser printers



BC-1

Badge clips

Badge clips for photo ID cards. Metal clip with plastic band and metal snap.



BC-3

Badge clips with adhesive

Badge clip with adhesive back for use with proximity cards. The badge clip may interfere with insertion or swipe card readers depending on mounting location.



BCRETRACT

Retractable Coil Badge Holder with Clip
Retractable coil badge holder with clip



NCKCHN30

30" Neck Chain, Silver
Neck chain with silver finish
Length: 30" (.76m)



Also Available:

NCKCHN36

Badge clips

Badge clips for photo ID cards. Metal clip with plastic band and metal snap

NCKLNRDBA

35" Break Away Neck Lanyard, Royal Blue

Break away, flat woven neck lanyard. Dimensions: .375" W x 35" L (9.5mm W x 889mm L).

NCKLNRDBK

35" Break Away Neck Lanyard, Black

NCKLNRDNB

35" Break Away Neck Lanyard, Navy Blue



LWVMSETSB

TIME EXPIRING TIMESPOT-1 DAY-BLUE, 1000 units

Each consisting of two pieces, front and back. To activate, place front over back and apply to badge. 0.875" (22 mm) diameter.



OTHER

LWVMSMEDIA4

Replacement LobbyWorks 4.0 software media



Upgrades from LobbyWorks 3.2

Contact factory for quote

You will need a valid LobbyWorks 3.2 CD key to qualify.
A completed CIF form is required to process the order.

LobbyWorks® SYSTEM MINIMUM REQUIREMENTS

LobbyWorks Client

Feature	Requirement
Recommended Processor	Intel Pentium IV or equivalent
PC Model Used for Testing	DELL Optiplex GX280
Recommended Operating System ³	Windows 7 32-bit Windows XP SP3 or Windows Vista SP2 Windows 2003 ¹ R2 Server Enterprise or Standard edition ²
Recommended PC Type (Server or Workstation)	Workstation or Server
Recommended System Memory (RAM) ²	2 GB
CD and DVD Drive	Yes
Hard Drives	Capacity: 40 GB Software: Windows Operating System, Microsoft Office software
USB Connection	2.0
Network Connection	100 Mbps/sec or greater
Video Resolution	1024x768 pixels; 24-bit color or higher
Multimedia	Standard VGA Graphics Adapter [Display adapter]

¹ Windows Server 2003 is supported for Administrator and Scheduler only.

² Includes RAM required by the client machine to run the Windows operating system.

³ Consult Microsoft® for operating system and database license terms.

LobbyWorks Server^{1,2}

Feature	Small System Requirement	Larger System Requirement
Recommended Processor	Intel Pentium IV 2.8 GHz or equivalent	Dual-Core Intel® Xeon® 5160 3.0GHz or equivalent
PC Model Used for Testing	DELL Optiplex GX280	Dell Power Edge 2900
Recommended Operating System	Windows XP SP3 Windows 2003 R2 Server Enterprise or Standard edition Windows Vista SP2	Windows 2003 R2 Enterprise/Standard Server Windows XP SP3 Professional Windows Vista SP2
Recommended PC Type (Server or Workstation) ⁴	Workstation or Server	Server recommended Workstation supported
Recommended System Memory (RAM)	2 GB	4 GB
CD and DVD Drive	Yes	Yes
Hard Drives ^{3,4}	Capacity: 40 GB Software: Windows Operating System, Microsoft SQL 2005/2008 SQL Express Software Microsoft Office Software	<u>Disk Set 1</u> Capacity: 40 GB Software: Windows operating system, Microsoft SQL 2005/2008 (32-bit)/SQL Express Software, Microsoft Office (if needed) <u>Disk Set 2</u> Capacity: 220 GB Software: None
Network Connection	100 Mbps/sec or greater	100 Mbps/sec or greater
Video Resolution	1024x768 pixels; 24-bit color or higher	1024x768 pixels; 24-bit color or higher
	Standard VGA Graphics Adapter [Display adapter]	Standard VGA Graphics Adapter [Display adapter]
Multimedia	SoundMAX Integrated Digital Audio	SoundMAX Integrated Digital Audio

¹ For a system to be considered small, the LobbyWorks system must have fewer than 1,500 hosts, fewer than 5 clients, and fewer than 400 visitors per day.

² To install LobbyWorks on a server with Pro-Watch, you must add the LobbyWorks recommended memory and RAM requirements for the larger system server specification to those of Pro-Watch and MS-SQL.

³ RAID technology used for the larger system server – disk set 1 and 2. When several physical disks are set up to use RAID technology, the operating system will be installed as on single disk.

⁴ Consult Microsoft for operating system and database license terms.

LobbyWorks® 4.0 Quick Reference Guide

Scalable Visitor Management System for Security, Compliance and Productivity

LobbyWorks is a simple and cost effective way to:

- ✓ Determine who is in your facility at all times
- ✓ Identify unwanted visitors
- ✓ Eliminate abuse of visitor badges
- ✓ Protect visitor confidentiality
- ✓ Facilitate communication between hosts, visitors, and security personnel
- ✓ Comply with CFATS
- ✓ Report on visitor activity



LobbyWorks 4.0

	Part	Description
Visitor management software that runs on a single reception desk PC (Express Edition)		
Base Part:	LWVMSKEX	Kit with Express license, camera, thermal printer and 2 rolls of thermal labels for a single reception desk deployment at a site with 500 employees
Add-on Options:	LWVMSSNAP	Snapshell IDR driver license/business card scanner
	LWVMSEEPR	Upgrade from Express Edition to Premier Edition
Visitor management software that runs on a server with connected PCs (Premier Edition)		
Base Part:	LWVMSKPRS	Kit with Premier license, camera, thermal printer, 12 rolls of thermal labels and a Snapshell IDR driver license/business card scanner for a first reception desk deployment. Base license is for a visitor system with 5,000 employees. Additional employee capacity sold separately
Add-on Options:	LWVMSKFRS	Reception desk kit with license, camera, thermal printer, 12 rolls of thermal labels and a Snapshell IDR driver license/business card scanner for an additional reception desk deployment
	LWVMSRPR	LobbyWorks Reporter License (per PC) – Reporting
	LWVMSKIO	LobbyWorks Kiosk License (per PC) – Self-service visitor registration
	LWVMSWEB	LobbyWorks Web Center License (per System) – Web pre-registration
	LWVMSNOT	LobbyWorks Notify License (per System) – Employee desktop notification
See datasheet for accessories and additional options.		

Target Customers

- Financial/insurance institutions
- Data centers
- Software or engineering companies
- Hospitals
- Government facilities
- Court/correctional facilities
- Manufacturing facilities, labs and warehouses
- Agricultural and food processing facilities
- Utilities (water, energy, etc.)
- Sites with numerous employees
- Any end user that currently has a locked lobby or uses a log book

Your Lobby is Your First Line of Defense.

Notes

[illegible]

Managed Access Control

WIN-PAK® CS 4.1 Software

Honeywell's WIN-PAK® CS access control product provides a cost effective and easy-to-manage security solution for businesses, while providing security dealers with multiple recurring revenue streams. WIN-PAK CS is a departure from traditional access control systems by removing the hassle of installing software, training employees, managing operating systems, computer compatibility problems and dealing with virus protection. The total cost of ownership is reduced to a manageable service fee, which results in a higher closing rate and more recurring revenue.



WIN-PAK CS 4.1 SOFTWARE

Managed access is ideal for professional services companies, commercial offices, property managers, industrial, manufacturing and warehousing, but can be applied to almost any type of customer that wants to save on management costs.

WCS1

50 Accounts, 5 Concurrent Users, 1st Year SSA

WCS2

100 Accounts, 5 Concurrent Users, 1st Year SSA

WCS3

250 Accounts, 5 Concurrent Users, 1st Year SSA

WCS4

500 Accounts, 5 Concurrent Users, 1st Year SSA

WCS5

1,000 Accounts, 5 Concurrent Users, 1st Year SSA

WCS6

2,500 Accounts, 5 Concurrent Users, 1st Year SSA

WCSW

Web interface for WIN-PAK CS 4.1, unrestricted accounts and users. Allows a user from an IE browser to manage cards, card holders, access levels, time schedules, holidays, manual and schedule control of doors and generate reports based on assigned privileges

REMOTE SITE STARTER KITS

NX1P10

NetAXS-123 – 1-door, compact plastic enclosure with reader NX1P and (1) OP10HONR OmniProx reader

NX1MPS10

NetAXS-123 – 1-door, standard metal enclosure with reader NX1MPS and (1) OP10HONR OmniProx reader

RPESKR

PRO2200 Remote Site Ethernet Starter Kit

Managed Access Control Playbook

How Honeywell Can Help You Be Successful

From tools and resources to help you launch managed access services, to sales and marketing support, we teach you how to sell managed access and build and maintain RMR. Honeywell's Managed Access Control Playbook covers:

- Step 1: What is managed access
- Step 2: How to implement
- Step 3: How to sell

Contact your Honeywell RSM to get one today.

Visit honeywellaccess.com/mac/ for more information about Managed Access Control.



Legacy Access Control Solutions

While we provide new solutions and systems that incorporate changing technology and industry demands, we continue to offer our legacy solutions that have provided quality service and reliability to our customers for years.



N-1000 CONTROL PANEL

Versatility, reliability and expandability are the three main features that make the N-1000 one of the most popular access control panels ever. The N-1000's distributed database stores all card, time zone, relay control and alarm point information in its memory.

N-1000-IV Intelligent 4 Door Controller

4 reader access control panel. Supports proximity, smart, Wiegand, magnetic stripe, keypad, barcode, vehicle ID and biometric devices.

5,000 code capacity, 10,200 buffer capacity, four relays (DPDT), 16 supervised alarm inputs, 20 mA or RS485 communications (RS485 requires PCI3 or LAN485KIT interfaces). Includes 12 V battery backup, detachable terminal blocks, locking enclosure with tamper switch. 12 V 500 mA output for external readers. Requires 16.5 VAC transformer (X-4) or 12 VDC power supply (HPS123) for panel power and one suppressor kit (S-4) per used (active) relay.



Also Available:

N-1000-IV-X

Expanded Intelligent 4 Door Controller

Same as the N-1000-IV with 8 total relays and expanded memory (25,000 codes and 6,600 buffers).



N-1000-IV-CB

N-1000-IV Circuit Board Only

Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).



N-1000-IV-X-CB

N-1000-IV-X Circuit Board Only

Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).



N-1000-III

Intelligent 2 Door Controller

2 reader/keypad access control panel. Supports proximity, smart, Wiegand, magnetic stripe, keypad, barcode, vehicle ID and biometric devices. 5,000 code capacity, 10,200 buffer capacity, 4 relays (DPDT), 16 supervised alarm inputs standard, 20 mA or RS485 communications (RS485 requires the use of PCI3 or N-485-HUB-2 or N-485-PCI-2 interfaces). Includes 12 V battery backup, detachable terminal blocks, locking enclosure with tamper switch. 12 V 500 mA output for external readers. Requires 16.5 VAC transformer (X-4) or 12 VDC power supply (HPS123) for panel power and one suppressor kit (S-4) per used (active) relay.



Also Available:

N-1000-III-X

Expanded Intelligent 2 Door Controller

Same as the N-1000-III with 8 total relays and expanded memory (25,000 codes and 6,600 buffers).

N-1000-III-CB

N-1000-III Circuit Board Only

Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).



N-1000-III-X-CB

N-1000-III-X Circuit Board Only

Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).



UGN1K3807

V8.07.01 N-1000-III/IV

Firmware Upgrade

N-1000-III/IV version 8.07.01 firmware upgrade kit. Contains the PROM and PAL chips.



UGN1K2807

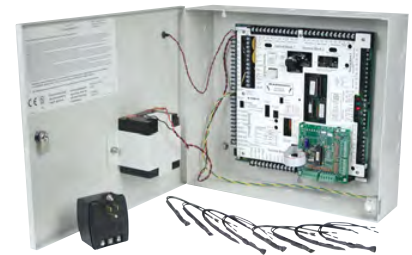
V8.07.01 N-1000-II Firmware Upgrade

N-1000-II version 8.07.01 firmware upgrade kit. Contains the PROM and PAL chips.

N-1000K4

N-1000-IV Control Panel Kit

Complete N-1000-IV assembly with enclosure (N-1000-IV) transformer (X-4) and four suppressor kits (S-4)



Also Available:

N1000K4X

N-1000-IV-X Control Panel Kit

N1000K3

N-1000-III Control Panel Kit

N1000K3X

N-1000-III-X Control Panel Kit

N-1000 SERIES ACCESSORIES

ENC-3

Enclosure for N-1000-III

Enclosure for N-1000-III with knockouts, hinged cover and lock and key. Tamper switch provided.

Also Available:

ENC-4

Enclosure for N-1000-IV



N-1000 SERIES KITS

ROCKET4

Rocket Box 4 Door Access Control Starter Kit

Includes WIN-PAK SE 2.0 (WPS2), RS485 converter (PCI3), 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30GENR), transformer (X-4) and four suppressor kits (S-4).



BOOSTER2

2 Door Add-On Kit for Rocket Box

Includes 2 door control panel (N-1000-III), two OmniProx proximity readers (OP30HONR), transformer (X-4) and two suppressor kits (S-4).



BOOSTER4

4 Door Add-On Kit for Rocket Box

Includes 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30GENR), transformer (X-4) and four suppressor kits (S-4).



TSAP

4 Door Total Starter Access Package

Includes WIN-PAK SE 2.0 access control software (WPS2), N-1000 control panel (N-1000-IV-X) with transformer (X-4) and four surge suppressors (S-4), RS485 interface (PCI3), four OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WG-WH).



TEAP2

2 Door Total Expansion Package

2 door expansion kit for the Total Starter Package. This expansion kit includes an N-1000 control panel (N-1000-III) with transformer (X-4) and two surge suppressors (S-4), two OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), two request-to-exit devices (IS310WH) and two door contacts (7939WG-WH).

TEAP4

4 Door Total Expansion Package

4 door expansion kit for the Total Starter Package. This expansion kit includes N-1000 control panel (N-1000-IV-X) with transformer (X-4) and four surge suppressors (S-4), four OmniProx HID compatible mullion mount readers (OP30HONR), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WG-WH).



NStar

NStar is a cost-effective solution for entry level applications with the ability to seamlessly expand and adapt to future growth needs. The solution is composed of the NS2 control panel and NStar access control software. It allows you to start small and easily upgrade your access control system as your security requirements evolve.

NSSKR

NStar Access Starter Kit with OmniProx Readers

The NSSKR is an NStar starter kit with readers. The kit contains NStar software, NS2 controller (NS2), two HID compatible OmniProx readers (OP10HONR), locking enclosure (ENC10), accessory kit (NS2ACC), 50' communications cable (CBL50), transformer (X-4) and two suppressor kits (S-4). Optional 485 or onboard TCP/IP available. Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.89 cm D).

Also Available:

NSSK

NStar Access Starter Kit without Readers

Readers are sold separately



NSEKR

NStar Access Expansion Kit with OmniProx Readers

The NSEKR is an expansion kit with readers that adds two doors to an existing NStar installation. The kit contains the NS2 controller (NS2), locking enclosure (ENC10), NS2 accessory kit (NS2ACC), two HID compatible OmniProx readers (OP10HONR), transformer (X-4) and two suppressor kits (S-4). Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.89 cm D).



Also Available:

NSEK

NStar Access Expansion Kit without Readers

Readers are sold separately

NSOPT1

NStar Software Upgrade

Enhances NStar by activating the following features: Networking to 5 concurrent NStar users; photo ID badging production includes layout utility that includes bar codes, magnetic stripe encoding and two-sided printing; auto card pop-up; Rapid Eye and Rapid Eye LT DVR; VISTA 128FBP or VISTA 250FBP support allows a pop-up of the live view, retrieve stored events and control PTZ camera(s); alarm popup view with up to 99 priority levels.

NS2

NS2 Control Panel, Board Only

Two reader/keypad access control panel for NStar only. 2,000 code capacity, 10,000 buffer capacity, four relays (SPDT) 12 A @ 28 VDC, eight supervised alarm inputs, RS485 communications or TCP/IP interface module (optional). 600 mA 12 VDC output for readers and auxiliary devices. Current draw is 1.25A maximum. Power requirements: 16.5 VAC (X-4) or 24 VDC @ 1.25A. Dimensions: 5.75" H x 9" W x 1.5" D (14.61 cm H x 22.86 cm W x 3.81 cm D).



NSLAN1

Ethernet Adapter for NS2

The NSLAN1 is a TCP/IP (10BASE-T) interface that mounts directly on the NS2 and requires no external devices or wiring and receives power from the NS2. Simply use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network. Use one NSLAN1 for each NS2. Transmit, receive and good link diagnostic TCP/IP status indicators. Dimensions: 1.574" H x 1.929" W x 1" D (40.0 mm H x 49.0 mm W x 25.4 mm D).



NS2MEM

NS2 Memory Expansion Module

Expands the NS2 to 10,000 card holders and 100,000 buffers.



CBL50

RJ45 to DB9F Serial Cable for NS2 Control Panel

50' RJ45 to DB9F serial cable for use with the NS2 control panel. Included with NSSK and NSSKR.



ENC10

Universal Beige Cabinet

Beige enclosure for NS2. Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.9 cm D).



ENC30

NS2 High Density Enclosure Only

A high-density wall mount enclosure capable of housing up to nine NS2 panels. Power supply and battery sold separately. Dimensions: 13.9" H x 17" W x 9" D (35.3 cm H x 43.2 cm W x 22.9 cm D).



NS2ACC

NS2/NS2+ Accessory Kit

Includes cabinet lock and key, terminating resistors, LED, battery leads, surge suppressors, panel tamper and grounding block.



NS2+ CONTROL PANEL



The NS2+ is an intelligent 2 door controller with the feature set and processing power comparable to many advanced controllers yet it's user-friendly, installs quickly and is highly economical for entry to mid-level solutions. The NS2+ boasts a 32-bit processor and memory capacity to simultaneously support 10,000 cardholders and 100,000 transactions. With an optional on-board TCP/IP interface, the NS2+ is capable of meeting the growing demand for Ethernet-based solutions.

NS2P

NS2+ Intelligent 2 Door Controller

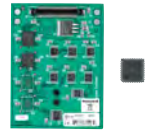
2 reader/keypad access control panel. 10,000 card capacity, 100,000 buffer capacity, four relays (SPDT) 12 A @ 28 VDC, 8 supervised alarm inputs, RS485 communications or TCP/IP interface module (optional). Requires WIN-PAK SE 2.0, WIN-PAK PE 2.0, WIN-PAK PRO 2005 or WIN-PAK PRO Central Station. Includes locking enclosure with tamper switch, transformer (X-4) and two surge suppressors (S-4). 600 mA @ 12 VDC output for readers and auxillary devices.



NS2UPG1

NS2+ Upgrade Kit

Upgrade from NS2 to NS2+ control panel



NSLAN1

Ethernet Adapter for NS2+

The NSLAN1 is a TCP/IP (10Base-T) interface that mounts directly on the NS2+ and requires no external devices or wiring and receives power from the NS2+. Simply use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network. Use one NSLAN1 for each NS2+. Transmit, receive and good link diagnostic TCP/IP status indicators. Dimensions: 1.57" H x 1.93" W x 1.0" D (40.0 mm H x 49.0 mm W x 25.4 mm D).



CBL50

RJ45 to DB9F Serial Cable for NS2+ Control Panel

50' RJ45 to DB9F serial cable for use with the NS2+ control panel



BAT-3

12 V, 4 AH Backup Battery

12 V battery for the N-1000-III, N-1000-IV, NS2 and NS2+ panels



NS2ACC

NS2/NS2+ Accessory Kit

Includes cabinet lock and key, terminating resistors, LED, battery leads, S-4 surge suppressors, panel tamper and grounding block.



NS2+ KITS

ROCKET2P

ROCKET2P 2 Door Starter Kit with OP30 Readers

2 door Starter Kit includes WIN-PAK SE 2.0 software, NS2+ Control Panel, (2) OP30HONR OmniProx proximity readers, transformer, RS485 interface (PCI3), battery (BAT-3), transformer (X-4) and accessories.



BOOSTER2P

2 Door Add-On Kit for Rocket Box

Includes 2 door control panel (NS2P), two OmniProx proximity readers (OP30HONR), transformer (X-4), battery (BAT-3) and two suppressor kits.



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Readers, Cards & Accessories

Honeywell offers a comprehensive selection of readers, cards and accessories. From basic badging components to cards or key tags, you can find the exact products to personalize an access control system to fit your needs.



OMNIPROX™ PROXIMITY READERS

The OmniProx™ family is a complete line of 125 kHz HID® compatible proximity readers. All OmniProx readers (except the OP90) include three bezels: black, charcoal gray and ivory and are potted 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 zinc die-cast metal housing.

OP10HONR

OmniProx Mini Mullion Mount Reader with Honeywell Logo

Mini mullion, HID compatible reader with up to a 3" (7.62 cm) read range and includes black, charcoal gray and ivory bezels.

This reader features a built-in tamper and Wiegand output. Dimensions: 3.15" H x 1.57" W x 0.50" D (8.0 cm H x 4.0 cm W x 1.28 cm D).



3 colored bezels included

Also Available:

OP10GENR

OmniProx Mini Mullion Mount Reader with No Logo

OP30HONR

OmniProx Mullion Mount Reader with Honeywell Logo

Mullion, HID compatible reader with up to a 5" (12.7 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 5.71" H x 1.69" W x 0.79" D (14.5 cm H x 4.3 cm W x 2.0 cm D).



3 colored bezels included

Also Available:

OP30GENR

OmniProx Mullion Mount Reader with No Logo

OAMAP30

OP30 Single Gang Adapter Plate – Set of 3

Set of 3 adapter plates (black, charcoal gray and ivory) for covering a U.S. gangbox prior to mounting a mullion reader. The adapter plate is compatible with all OP30 models. Use to retrofit existing HID MiniProx® readers.



OP40HONR

OmniProx Wall Mount Reader with Honeywell Logo

U.S. gangbox, HID compatible reader with up to a 4" (10.16 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 4.33" H x 2.95" W x 0.59" D (11.0 cm H x 7.5 cm W x 1.5 cm D).



3 colored bezels included

Also Available:

OP40GENR

OmniProx Wall Mount Reader with No Logo

OP90HONR

OmniProx Vandal Resistant Mount Reader with Honeywell Logo

Stainless steel, vandal-resistant reader with up to a 1.5" (3.81 cm) read range. This reader features a built-in tamper and Wiegand output. Dimensions: 4.75" H x 3" W x 0.82" D (12.1 cm H x 7.6 cm W x 2.1 cm D).



OMNIPROX KITS

OP30RTEWH

OmniProx Mullion Mount Reader and PIR Kit

Includes an OmniProx mullion mount reader (OP30HONR) and a white PIR (IS310WH). Mullion, HID compatible reader with up to a 5" (12.7cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 5.71" H x 1.69" W x .79" D (14.5 cm H x 4.3 cm W x 2.0 cm D).



Also Available:

OP30RTEBK

OmniProx Mullion Mount Reader and PIR Kit

Includes an OmniProx reader (OP30HONR) and a black PIR (IS310BK).

OP40RTEWH

OmniProx Wall Mount Reader and PIR Kit

Includes an OmniProx wall mount reader (OP40HONR) and a white PIR (IS310WH). Single gangbox, HID compatible reader with up to a 4" (10.16 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 4.33" H x 2.95" W x .59" D (11.0 cm H x 7.5 cm W x 1.5 cm D).



Also Available:

OP40RTEBK

OmniProx Wall Mount Reader and PIR Kit

Includes an OmniProx reader (OP40HONR) and a black PIR (IS310BK).

HID® PROXIMITY READERS

HU/5355AGN00 (formerly PR-P-PRO)

HID ProxPro® Reader, Charcoal Gray

Exterior or interior proximity reader with up to an 8" (20.3 cm) read range. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).



HU/5355AGK00 (formerly PR-PROXPRO-K) HID ProxPro Reader with Keypad, Charcoal Gray

Exterior or interior keypad/proximity reader with up to an 8" (20.3 cm) read range. For use with NS2, NS2+, NetAXS, PRO2200 and PTDEK control panels. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).



PR-PROXPRO-K2 HID ProxPro Reader with Keypad, Charcoal Gray

Exterior or interior keypad/proximity reader with up to an 8" (20.3 cm) read range. For use with the N-1000-II, N-1000-III and N-1000-IV control panels only. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).



HU/5375AGN00 (formerly PR-MAX-PRO) HID Maxi-Prox® Reader, Charcoal Gray

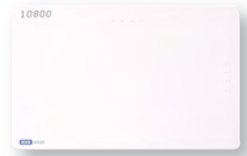
Exterior or interior proximity reader with up to a 22" (55.9 cm) read range. Requires 12-24 VDC linear power supply (HPS123). Dimensions: 12" H x 12" W x 1" D (30.48 cm H x 30.48 cm W x 2.54 cm D).



PVC-H-4

HID PVC ProxCaRd® (34-bit)

HID PVC proximity card sequentially numbered where encoded number equals printed number. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers.



Also Available:

PVC-H-4-26

HID PVC ProxCaRd (26-bit)

PX-ISOPROX

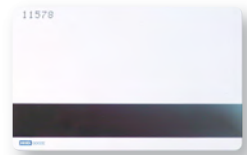
HID ISOProx® PVC Access Control Card (26-bit)

HID artwork

PVC-H-5

HID PVC ProxCaRd (34-bit) with Magnetic Stripe (Not Encoded)

HID PVC proximity card with magnetic stripe (not encoded) sequentially numbered where encoded number equals printed number. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers.



Also Available:

PVC-H-5-26

HID PVC ProxCaRd (26-Bit) with Magnetic Stripe (Not Encoded)

PX-4-H

HID ProxCARD with Logo (34-bit)

HID proximity card (34-bit) with logo and a slot hole punch on the short side.
Dimensions: 2.125" H x 3.375" W x 0.070" T
(5.398 cm H x 8.573 cm W x .178 cm T).



Also Available:

PX-4-H-PW

HID ProxCARD, Plain White (34-bit)

Plain white with no logo

PX-26-H

HID ProxCARD with Hot Stamp (26-bit) and Logo

PX-26-H-PW

HID ProxCARD, Plain White (26-bit)

Plain white with no logo

PX-PROXCARDII

HID ProxCARD II Card (26-bit)

PX-KEY-H

HID Proximity Card Key Fob (34-bit)

HID proximity key fob (34-bit) designed to be carried on a user's key ring. Read ranges may be reduced by 50% when using the fob versus a card. Dimensions: 1.87" H x .925" W x .395" T
(4.75 cm H x 2.350 cm W x 1 cm T).



Also Available:

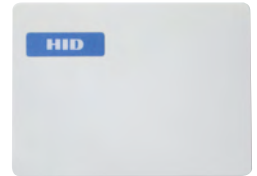
PX-KEY-H-26

HID Proximity Card Key Fob (26-bit)

PROX-PASS

HID Active Automobile Tag, 6-8' Read Range (34-bit)

HID active automobile tag (34-bit). Works in conjunction with the PR-MAX-PRO. Read range: 6-8'. Dimensions: 2.625" H x 3.625" W x .30" T (6.75 cm H x 9.25 cm W x .76 cm T).



Also Available:

PROX-PASS26

Automobile Active Tag (26-bit)

Proximity Card Quick Reference Guide

	26-Bit	34-Bit	Printable Card	Non-Printable Card	Key Fob	Magstripe (Un-encoded)	Notes
PVC-H-4		✓	✓				
PVC-H-4-26	✓		✓				
PVC-H-4-SPEC		✓	✓				Special Order Card
PVC-H-4-26-SPEC	✓		✓				Special Order Card
PX-4-H		✓		✓			Northern Logo
PX-26-H	✓			✓			Northern Logo
PX-4-H-PW		✓		✓			Plain White
PX-26-H-PW	✓			✓			Plain White
PX-4-H-SPEC		✓		✓			Special Order Card
PX-26-H-SPEC	✓			✓			Special Order Card
PX-4-H-PW-SPEC		✓		✓			Special Order Card, Plain White
PX-26-H-PW-SPEC	✓			✓			Special Order Card, Plain White
PX-KEY-H		✓			✓		
PX-KEY-H-26	✓				✓		
PX-KEY-H-SPEC		✓			✓		Special Order Key Fob
PX-KEY-H-26-SPEC	✓				✓		Special Order Key Fob
PVC-H-5		✓	✓			✓	
PVC-H-5-26	✓		✓			✓	
PVC-H-5-SPEC		✓	✓			✓	Special Order Card
PVC-H-5-26-SPEC	✓		✓			✓	Special Order Card

Note For Special Card Orders:

If you are requesting specific facility code(s) and/or card number(s), you must order the cards with the following added to the part number: -SPEC. For example, when ordering PX-4-H cards for a specific range of card numbers, you would specify PX-4-H-SPEC. (This does not include cards requiring custom artwork. Please consult Honeywell Systems for quotation and minimum order requirements.)

1. Include facility code(s) or card number(s)
2. Additional cost for cards
3. Lead times vary. Check with your sales representative to confirm
4. A minimum order of 100 is required on all special cards, except Indala PVC cards which require a minimum of 500
5. Wiegand special order cards vary approximately 5% over or under when ordered

INDALA® PROXIMITY READERS

Indala's line of 125 kHz readers combines intelligent programming technology with interchangeable components including uniform modules and a range of stylish cover designs. Indala readers are UL rated for indoor and outdoor applications and feature Wiegand output wiring. Indala readers are compatible with Indala credentials.

FP503BK

Indala FlexPass Linear Slim, Black

FlexPass Linear style slim mount proximity reader. Up to 4" (10 cm) read range. Single stage, low profile door frame mullion mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 88 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 5.5" H x 1.65" W x 0.75" D (14 cm H x 4.2 cm W x 1.9 cm D).



FP505BG

Indala FlexPass Linear Wall, Beige

FlexPass Linear style wall switch mount proximity reader. Up to 4" (10 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 89 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.7" H x 3" W x .9" D (11.8 cm H x 7.6 cm W x 2.3 cm D).



Also Available:

FP505BK

Indala FlexPass Linear Wall, Black

FP505WH

Indala FlexPass Linear Wall, White

FP603BK

Indala FlexPass Arch Slim, Black

FlexPass Arch style slim proximity reader. Up to 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 0.85" D (11.42 cm H x 4.37 cm W x 2.16 cm D).



Also Available:

FP603GY

Indala FlexPass Arch Slim, Charcoal Gray

FP605BG

Indala FlexPass Arch Wall, Beige

FlexPass Arch style wall switch proximity reader. Up to 5" (12.7 cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Operating temperature range: -31° to 149° F (-35° to 65° C). Dimensions: 4.5" H x 2.99" W x 0.85" D (11.42 cm H x 7.59 cm W x 2.16 cm D).



Also Available:

FP605BK

Indala FlexPass Arch Wall, Black

FP605GY

Indala FlexPass Arch Wall, Charcoal Gray

FP605WH

Indala FlexPass Arch Wall, White

FP610BG

Indala FlexPass Arch Mid-Range, Beige

FlexPass Arch style mid-range proximity reader. Up to 12" (30.5 cm) read range. Single stage, low profile wall mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-14 VDC linear power supply. Maximum current: 140 mA @ 12 VDC, 82 mA @ 5 VDC. Operating temperature range: -31° to 149° F (-35° to 65° C). Dimensions: 5.10" H x 6.10" W x 1.00" D (12.95 cm H x 15.49 cm W x 2.54 cm D).



Also Available:

FP610WH

Indala FlexPass Arch Mid-Range, White

FP610BK

Indala FlexPass Arch Mid-Range, Black

FP703BK

Indala FlexPass Curve Slim, Black

FlexPass Curve style slim proximity reader. Up to a 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 1.1" D (12.1 cm H x 4.4 cm W x 2.8 cm D).



FP705BK

Indala FlexPass Curve Wall, Black

FlexPass Curve style wall switch proximity reader. Up to a 5" (12.7cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.75" H x 3.24" W x 1.1" D (12.1 cm H x 8.2 cm W x 2.8 cm D).



FP803BK

Indala FlexPass Wave Slim, Black

FlexPass Wave style slim proximity reader. Up to a 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 1.1" D (12.1 cm H x 4.4 cm W x 2.8 cm D).



Also Available:

FP803MA

Indala FlexPass Wave Slim, Marine

FP805BK

Indala FlexPass Wave Wall, Black

FlexPass Wave style wall switch proximity reader. Up to a 5" (12.7 cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.75" H x 3.24" W x 1.1" D (12.1 cm H x 8.2 cm W x 2.8 cm D).



Also Available:

FP805MA

Indala FlexPass Wave Wall, Marine

FP810BK

Indala FlexPass Wave Mid-Range, Black

FlexPass Wave style mid-range proximity reader. Up to a 12" (30.5 cm) read range. Single stage, low profile wall mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-14 VDC linear power supply. Maximum current: 140 mA @ 12 VDC, 82 mA @ 5 VDC. Dimensions: 5.6" H x 6.5" W x 1.5" D (14.2 cm H x 16.5 cm W x 3.8 cm D).



PR-ASR-620

Indala FlexPass Long Range, Black

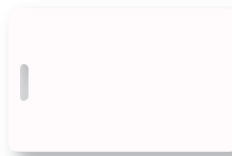
Proximity card reader. Up to 28" (71 cm) read range using the FlexCard™ standard card. Single piece construction for easy installation. Reads bidirectionally. Weather resistant and field programmable. Requires 12-24 VDC linear power supply. Requires 12 VDC @1.0A nominal/1.2 A maximum or 24 VDC @ 750 mA nominal/900 mA maximum. Dimensions: 11.2" H x 11.2" W x 1.8" D (28.4 cm H x 28.4 cm W x 4.6 cm D).



PX-121-I

Indala Proximity Card with Hot Stamp (26-Bit)

Standard Indala proximity card for ASR series readers. Includes hole punch on short side and printed card number. Dimensions: 2.13" H x 3.38" W x .09" T (5.41 cm H x 8.585 cm W x .229 cm T).



PVC-I-5

Indala Imaging Proximity Card (26-Bit)

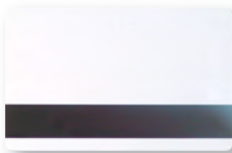
Indala PVC proximity card (26-bit) sequentially numbered with standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).



PVC-I-6

Indala Imaging Proximity Card with Magnetic Stripe

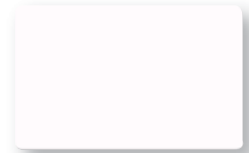
Indala PVC proximity card sequentially numbered with magnetic stripe and standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).



PVC-I-7

Indala Imaging Proximity Card, Printable on 2 Sides

Indala PVC proximity card sequentially numbered 2 side printable with standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).



PX-115-I

Indala Proximity Key Tag with Hot Stamp (26-Bit)

Indala proximity key tag made of durable ABS plastic, designed to be carried on a key ring. Includes label with encoded number. Reader read ranges may be reduced by 50% when using the tag versus a card. Dimensions: 2.2" H x 1.3" W x .25" T (5.588 cm H x 3.302 cm W x .635 cm T).



SMART CREDENTIALS

ODP4N00

PVC DESFire Card

Unprogrammed DESFire card. This card has a 56-bit unique serial number and 4K of memory. Printable white glossy finish on both sides.



Also Available:

ODP4M00

PVC DESFire Card with Magnetic Stripe

OFP1N00

PVC Mifare 1K Card

Unprogrammed Mifare 1K card. This card has a 32-bit unique serial number and 1K of memory. Printable white glossy finish on both sides.



Also Available:

OFP1M00

PVC Mifare 1K Card with Magnetic Stripe

Unprogrammed Mifare 1K card with an un-encoded magnetic stripe. This card has a 32-bit unique serial number and 1K of memory. Printable white glossy finish on both sides.

OFP4N00

PVC Mifare 4K Card

Unprogrammed Mifare 4K card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish on both sides.

Also Available:

OFP4M00

PVC Mifare 4K Card with Magnetic Stripe



OFP1N0026

Dual Tech PVC Mifare 1K Card and HID Prox

Unprogrammed Mifare 1K and programmed 26-bit HID proximity card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish on both sides.

Also Available:

OFP1N0034

Dual Tech PVC Mifare 1K Card and HID Prox (34-bit)

Unprogrammed Mifare 1K and programmed 34-bit HID proximity card.

OFP1M0026

Dual Tech PVC Mifare 1K Card with Magnetic Stripe and HID Prox

Unprogrammed Mifare 1K with unencoded magnetic stripe and programmed 26-bit HID proximity card.

OFP1M0034

Dual Tech PVC Mifare 1K Card with Magnetic Stripe and HID Prox (34-bit)

Unprogrammed Mifare 1K with unencoded magnetic stripe and programmed 34-bit HID proximity card.



OFP4N0026

Dual Tech PVC Mifare 4K Card and HID Prox

Unprogrammed Mifare 4K and programmed 26-bit HID proximity card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish on both sides.

Also Available:

OFP4N0034

Dual Tech PVC Mifare 4K Card and HID Prox (34-bit)

Unprogrammed Mifare 4K and programmed 34-bit HID proximity card.

OFP4M0026

Dual Tech PVC Mifare 4K Card with Magnetic Stripe and HID Prox





Unprogrammed Mifare 4K with unencoded magnetic stripe and programmed 26-bit HID proximity card.

OFP4M0034

Dual Tech PVC Mifare 4K Card with Magnetic Stripe and HID Prox (34-bit)











Unprogrammed Mifare 4K with unencoded magnetic stripe and programmed 34-bit HID proximity card.



Readers Quick Reference Guide				
OmniProx® 125 kHz Proximity Readers				
				
Description	Mini Mullion Mount	Mini Mullion Mount	Wall Mount (U.S. Gang Box)	Vandal Resistant
Part Number	OP10HONE	OP30HONE	OP40HONE	OP90HONE
Color	Black, Charcoal Gray and Ivory (all three bezels included)	Black, Charcoal Gray and Ivory (all three bezels included)	Black, Charcoal Gray and Ivory (all three bezels included)	Silver (Stainless Steel)
Read Range	2.0 - 3.0" (5.1 - 7.6 cm)	2.5 - 4.0" (6.4 - 10.2 cm)	2.5 - 4.0" (6.4 - 10.2 cm)	1.0 - 2.0" (2.5 - 5.1 cm)
Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper
Dimensions	3.15" x 1.57" x .50" (8.0 cm x 4.0 cm x 1.3 cm)	5.71" x 1.69" x .79" (14.5 cm x 4.3 cm x 2.0 cm)	4.33" x 2.95" x 0.59" (11.0 cm x 7.5 cm x 1.5 cm)	4.5" x 3.15" x 0.59" (11.4 cm x 8.0 cm x 1.5 cm)
Operating Current	35 mA typ/50 mA max	35 mA typ/100 mA max	35 mA typ/50 mA max	50 mA typ/50 mA max
Operating Voltage	5.0 - 16 VDC	5.0 - 16 VDC	5.0 - 16 VDC	5.0 - 16 VDC
Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Temperature	-25° F to 145° F (-31° C to 63° C)	-25° F to 145° F (-31° C to 63° C)	-25° F to 145° F (-31° C to 63° C)	-25° F to 145° F (-31° C to 63° C)
Warranty	Lifetime	Lifetime	Lifetime	Lifetime
Supported Credentials	PVCH4, PVCH426, PVCH5, PVCH526, PXISOPROX, PX4H, PX4HPW, PX26H, PX26HPW, PXPROCII, PXKEYH, PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391			
Readers for virtually any application.				

Readers Quick Reference Guide

OmniClass® 13.56 MHz Smart Proximity Readers

										
Description	Mullion Mount	Mullion Mount	Mullion Mount	Mini-Mullion Mount	Wall Mount (U.S. Gang Box)	Wall Mount (U.S. Gang Box)	Wall Mount (U.S. Gang Box)	Mullion Mount with keypad	Wall Mount with keypad	Wall Mount with keypad
Part Number	OM15xHONC	OM16xHONC	OM17xHONC	OM30xHONC	OM40xHONC	OM41xHONC	OM42xHONC	OM55xHONC	OM56xHONC	OM57xHONC
Color	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray	Black or Gray
Read Range	Up to 3.5" (8.9 cm)	Up to 3.5" (8.9 cm)	Up to 3.5" (8.9 cm)	Up to 3.25" (8.4 cm)	Up to 4.25" (10.8 cm)	Up to 4.25" (10.8 cm)	Up to 4.25" (10.8 cm)	Up to 4.0" (10.2 cm)	Up to 4.0" (10.2 cm)	Up to 4.0" (10.2 cm)
Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper	Built-in Optical Tamper
Dimensions	6.0" x 1.9" x .90" (15.3 cm x 4.8 cm x 2.3 cm)	6.1" x 1.9" x .90" (15.6 cm x 4.8 cm x 2.3 cm)	6.1" x 1.9" x .90" (15.6 cm x 4.8 cm x 2.3 cm)	4.0" x 1.9" x .90" (10.3 cm x 4.8 cm x 2.3 cm)	4.8" x 3.3" x 1.0" (12.2 cm x 8.4 cm x 2.5 cm)	4.8" x 3.3" x .95" (12.2 cm x 8.4 cm x 2.4 cm)	4.8" x 3.3" x .95" (12.2 cm x 8.4 cm x 2.4 cm)	4.8" x 3.3" x 1.1" (12.2 cm x 8.4 cm x 2.8 cm)	4.8" x 3.3" x 1.05" (12.2 cm x 8.4 cm x 2.7 cm)	4.8" x 3.3" x 1.05" (12.2 cm x 8.4 cm x 2.7 cm)
Operating Current	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	50 mA typ/75 mA max @ 12 VDC	85 mA typ/116 mA max @ 12 VDC	80 mA typ/100 mA max @ 12 VDC	80 mA typ/100 mA max @ 12 VDC
Operating Voltage	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)	5.0 - 16 VDC (linear supply recommended)
Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Temperature	-40° F to 150° F (-40° C to 65° C)	-35° F to 150° F (-37° C to 65° C)	-35° F to 150° F (-37° C to 65° C)	-40° F to 150° F (-40° C to 65° C)	-40° F to 150° F (-40° C to 65° C)	-35° F to 150° F (-37° C to 65° C)	-35° F to 150° F (-37° C to 65° C)	-40° F to 150° F (-40° C to 65° C)	-35° F to 150° F (-37° C to 65° C)	-35° F to 150° F (-37° C to 65° C)
Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Supported Technologies	OmniClass/iCLASS HIDProx	OmniClass/iCLASS HIDProx	OmniClass/iCLASS IndalaProx	OmniClass/iCLASS	OmniClass/iCLASS	OmniClass/iCLASS HIDProx	OmniClass/iCLASS IndalaProx	OmniClass/iCLASS	OmniClass/iCLASS HIDProx	OmniClass/iCLASS IndalaProx
Supported Credentials	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz HID Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz Indala Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz Indala Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz HID Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz Indala Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	PKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz HID Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	PKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz Indala Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391	OKP0N34 OKP0N26 OKP2N34 OKP2N26 OKP2M34 OKP2M26 OKH2N34 OKH2N26 OKH2M34 OKH2M26 OKS2N34 OKS2N26 OKK2N34 OKK2N26 HU-2000 thru HU-2074 iCLASS plus (125 kHz Indala Prox) PVCH4 PVCH426 PVCH5 PVCH526 PXISOPROX PX4H PX4HPW PX26H PX26HPW PXPROCI PXKEYH PXKEYH26 HU-1386, HU-1336, HU-1326, HU-1346, HU-1391

Readers for virtually any application.

Notes

Locks & Egress Devices

Through a strategic working relationship, Honeywell offers locking and egress solutions to fit any application. All products have been tested with Honeywell products and provide an excellent opportunity for dealers to increase their revenue on their next installation.



MAGNETIC LOCKS

Honeywell magnetic locks provide reliable and affordable locking options. Our magnetic locks have been tested with all Honeywell control panels to assure that they will work properly every time. Additionally, Honeywell locks include standard mounting templates that take the fear out of drilling into a door. All locks are UL Listed and meet the needs of most applications.

ML-8005

Single Door Small Magnet, 650 lbs

Designed to accommodate low door clearance or minimum security applications. Holding force: 650 lbs

(295 kg) Current draw: 415 mA @

12 VDC, 215 mA @ 24 VDC. Lock

size: 1.625" H x 10" W x 1" D (4.2

cm H x 25.0 cm W x 2.5 cm D). Armature dimensions: 1.5" H

x 7.25" W x .5" D (3.8 cm H x 18.5 cm W x 1.2 cm D).



ML8011-LC-US28

Magnetic Lock, 1,200 lbs

UL Listed magnetic door lock for a single door with 1,200 lbs (544 kg) holding force, operates on 12/24 VDC .2 A current draw and comes with a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 10.5" W x 1.625" D (6.67 cm H x 26.67 cm W x 4.13 cm D). Armature dimensions: 2.5" H x 7" W x .375" D (6.35 cm H x 17.78 cm W x .95 cm D).



Also Available:

ML8011-LC-US40

Magnetic Lock, 1,200 lbs

US40 (brown aluminum) finish



ML8011-LCR-US28

Magnetic Lock, 1,200 lbs with Bond Sensor

US28 (satin stainless) finish

ML8011-LCR-US40

Magnetic Lock, 1,200 lbs with Bond Sensor

US40 (brown aluminum) finish

ML8022-LC-US28

Magnetic Lock for Double Doors, 1,200 lbs

UL Listed magnetic door lock for a double door with 1,200 lbs (544 kg) holding force, operates on 12/24 VDC .5 A current draw and a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 21" W x 1.625" D (6.68 cm H x 53.6 cm W x 4.13 cm D). Armature dimensions: 2.375" H x 7.25" W x .625" D (6.0 cm H x 19.0 cm W x 1.6 cm D).



ML8022-002-US28

Magnetic Lock for Double Doors, 1,500 lbs

UL Listed magnetic door lock for a pair of doors with 1,500 lbs (544 kg) holding force, operates on 12/24 VDC .4 A current draw and a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 21" W x 1.625" D (6.68 cm H x 53.6 cm W x 4.13 cm D). Armature dimensions: 2.375" H x 7.25" W x .625" D (6.0 cm H x 19.0 cm W x 1.6 cm D).



Also Available:

ML8022-002-US40

US40 (brown aluminum) finish

MOUNTING ACCESSORIES

MB21021-2-US28

Adjustable Angle Bracket for ML8011 Series Locks

Adjustable angle bracket for ML8011 series locks in a US28 satin aluminum finish. Dimensions: 1.5" H x 2.375" W (3.81 cm H x 6.03 cm W).



MB21021-US28

Angle Bracket for ML8011 Series Locks

Angle bracket for ML8011 series locks in a US28 satin aluminum finish. Dimensions: 1" H x 1.5" W x .3125" D (2.54 cm H x 3.8 cm W x .795 cm D).



MB21031-US28

Z-Bracket for ML8011 Series Locks

Angle bracket for ML8011 series locks. US28 satin aluminum finish. Dimensions: 1" H x 1.5" W x .3125" D (2.54 cm H x 3.8 cm W x .795 cm D).



Also Available:

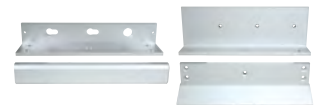
MB21031-US40

US40 (brown aluminum) finish

MB21034-US28

Tamper-proof Z-Bracket for ML8011 Series Locks

Tamper-proof Z-bracket for in-swinging or out-swinging doors using the ML8011 series locks. US28 satin aluminum finish.



MB21001-US28

Filler Plate for ML8011 Series Locks, 1/2" X 3/4"

1/2" x 3/4" or 3/4" x 1/2" filler plate for ML8011 series locks. US28 satin aluminum finish.



MB21005-US28

Filler Plate for ML8011 Series Locks, 5/8" X 3/4"

5/8" x 3/4" or 3/4" x 5/8" filler plate for ML8011 series locks. US28 satin aluminum finish.

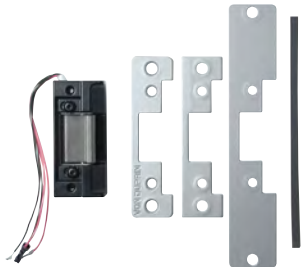


DOOR STRIKES

NS5100

Dual Voltage Electric Door Strike, 3 Face Plates

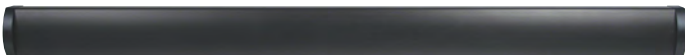
Dual voltage electric door strike providing over 1,300 lbs. of holding force. Fail-secure/fail-safe field reversible. The NS5100 is .38A @ 12 VDC or .19A @ 24 VDC. Strike includes three face plates for use with hollow metal, wood or aluminum frames. Adjustable keeper and small backbox fit almost any application. Retrofit existing doors or lock replacements with included neoprene filler. Backbox: 3.375" H x 1" W x 1.345" D. Keeper pocket: 1.4375" H x .5" D x .6875-.8125" W (adjustable).



SMART-BAR

36" Electronic Smart Touch Sensor Bar Exit Device, 12/24 VDC, IR Beam Activation

The smart touch sensor bar provides a clean, contemporary design. The bar uses two redundant detection systems to sense an exit request. The first is a capacitance touch sense when a person touches the metal portion of the bar. The second is an invisible infrared light beam, which is directed across the front of the bar. The bar is constructed of heavy-duty aluminum extrusion. Requires 12/24 VDC linear power supply. Dimensions: 2.5" H x 36" W x 3.25" D (6.4 cm H x 91 cm W x 8.3 cm D).



EGRESS

0-000-361-01 (formerly IS310WH)

Curtain PIR, White

Request to exit PIR with up to 10' (3.05m) coverage. Two Form C contacts can be adjusted from .25 to 60 seconds. Temperature range: -20° to 120° F (-29° to 49° C). UL 294 Listed. Power requirements: 12/24 VAC or VDC. Dimensions 1.5" H x 6.25" W x 1.5" D (3.8 cm H x 15.8 cm W x 3.8 cm D).



Also Available:

0-000-361-02 (formerly IS310BL)

Curtain PIR, Black

PEXBHON1

Piezoelectric Request to Exit Button - Single Gang (Honeywell Logo)

U.S. single gang mount stainless steel exit button. Designed for indoor and outdoor use, feature an illuminated ring that changes color when the button is touched. Dimensions: 4.5" x 2.75" x 1.25" (11.4 cm x 7.0 cm x 3.2 cm).



EXB-1

Egress Button

Exit button with a single gang stainless steel mounting plate, DPDT. Can be configured with momentary or latching contact status. Temperature range: 32° to 158° F (0° to 70° C). Dimensions: 4.5" H x 2.75" W x 2.13" D (11.43 cm H x 6.99 cm W x 5.40 cm D).



EGRESSK1

PIR and Request-to-Exit Button Kit

Includes PIR (IS310WH) and egress button (EXB-1).



R1010

Switch Manual Release

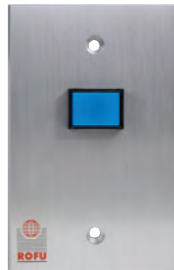
Switch with momentary contact and key-symbol, white color. Dimensions: 2.375" H x 2.375" W x .625" D (6.1 cm H x 6.1 cm W x 1.5 cm D).



R9300-US28

Momentary Exit Switch

Momentary aluminum exit switch with blue push button. Satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D).



Also Available:

R9300-US40

Momentary Exit Switch

Brown aluminum finish

R9400-US28

1-1/2" Cap Exit Switch

Momentary 1.5" mushroom aluminum exit switch (red mushroom cap) with satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D).



Also Available:

R9400-US40

1-1/2" Cap Exit Switch

Brown aluminum finish

R9600-US40

2-3/8" Cap Exit Switch

Momentary 2.375" mushroom aluminum exit switch (red mushroom cap) with satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D). Brown aluminum finish.



Communications & Accessories

Honeywell provides a wide variety of communication devices and accessories that seamlessly integrate with our access control product lines.

PANEL COMMUNICATIONS

LANSRLU1

RS232 to LAN Converter (10/100)

This device server enables management of serial devices over IP-based Ethernet networks and easily lets you replace limited distance, point-to-point serial connections. Converts RS232 signal into 10Base-T (10 Mbps) or 100Base-TX (100 Mbps). Supplied with 110 VAC power adapter. Dimensions: 3.5" H x 2.5" W x .9" D (90 mm H x 64 mm W x 23 mm D).



PCI3

Communication Adapter

The PCI3 Communications Adapter functions as the interface between a host computer's RS232 port and one or more Honeywell access control panels connected on an RS485 multi-drop line. The PCI3 can be used to replace a PW5K1CVT1 or a PRO22CVT1. The PCI3 also replaces the N-485-PCI-2, N-485-HUB-2, and N485PCI2L adapters, and it adds the following features:

- Variable communications speed up to 115.2 Kbps on the RS232 port
- Capacity to add future technology enhancements without legacy limitations
- Time with "seconds" in true reports
- Flash upgrades of NS2 and NS2P access control panels



LAN485KIT

Kit with LANSRLU1 and N485PCI2L

Includes LANSRLU1 and N485PCI2L.



FC485

Multimode 2 Strand 485-Fiber Transceiver with Transformer

The FC485 provides fast RS485 to fiber [2 strand 62.5 micron multimode – max 1 mile (~1600m)] conversion applications at any baud rate between 300 to 115.2K. Auto-baud capability requires no resistors or jumpers to set. Jumpers for 120 ohm bias and line termination are provided. The unit is enclosed and transformer is included. Use NC2441-TN or NCP2441-TN wire. Dimensions: 3.25" H x 5.5" W x 1.375" D (8.25 cm H x 13.9 cm W x 3.49 cm D).



ACCESSORIES

CBLE100

RJ45 Patch Cable, 100 ft.



CBLE200

RJ45 Patch Cable, 200 ft.

USBXT

USB Extender, 150 ft.



MODEMS

M-56K

56K External Modem

High speed modem for N-485-HUB-2 interface. Transformer included. Dimensions: 3.75" H x 6.63" W x 1.25" D (9.52 cm H x 16.82 cm W x 3.17 cm D).



Power Supplies

Honeywell power supplies are offered specifically to support access control and electric locking hardware. The power supplies/chargers convert 115 VAC/60 Hz into a power limited, field-selectable continuous power output. These power supplies are UL Listed for access control (UL294), fire alarm (UL1481) and burglar alarm installations (UL603), and conform to NEC requirements. Distribution modules capable of distributing one power source across multiple fused outputs and a fire panel interface make ordering and installation more convenient.

AUXILIARY POWER MODULES



HPS123

6/12/24 VDC 2.5A or 1 A Power Supply, Enclosure & Battery

Converts 115 VAC/60 Hz into 6/12 VDC @ 2.5 A of continuous supply current (24 VDC @ 1A). Comes with a plug in 24 V 50 VA transformer, 5 AH battery, battery leads and hardware. Filtered and electronically regulated output. Built-in charger for sealed lead acid or gel type batteries. Automatic switchover to stand-by battery. Circuit breaker battery protection. AC input and DC output LED diagnostic indicators. For 24 VDC, an additional BAT-3 must be ordered separately. Enclosure dimensions: 10" H x 10" W x 4.5" D (25 cm H x 25 cm W x 11.5 cm D).

HP300ULX

12/24 VDC 2.5 A Power Supply and Enclosure

Converts 115 VAC/60 Hz into a 12/24 VDC @ 2.5 A single class 2 rated power limited supply. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).



Also Available:

HP600ULX

12/24 VDC 6 A Power Supply and Enclosure

Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply.

HP300ULM

12/24 VDC 2.5 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 2.5 A single class 2 rated power limited supply. Includes the HPMOM5 interface which features fire alarm panel or access control system NO, NC or polarity reversal trigger input and six individually protected PTC outputs rated at 2.5 A each. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).



Also Available:

HP400ULM

12/24 VDC 4 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 4 A single class 2 rated power limited supply.

HP600ULM

12/24 VDC 6 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply.

HP600ULACM8

12/24 VDC 6 A Power Supply, Enclosure and HPACM8

Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply. Includes the HPACM8 interface which features fire alarm panel or access control system NO, NC or polarity reversal trigger input and eight independently operated and individually protected outputs rated at 2.5 A each. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).



POWER DISTRIBUTION MODULES

HPD4

4 Fused Output Distribution Module

Distributes one low voltage power input to 4 individually protected outputs. Each circuit uses automotive style fuses rated 3 A @ 35 VDC (up to 5 A fuses may be used) and the board is protected with a 5 A main fuse. Handling up to 28 VAC/ VDC, this board has a power switch, surge protected outputs, power LED indicator, and diagnostic LEDs per circuit. Mounts with included foam backed tape or optional snap track (HST34). Dimensions: 3" H x 4.3" W x 1.0" D (7.6 cm H x 11 cm W x 2.5 cm D).



HPD8

8 Fused Output Distribution Module

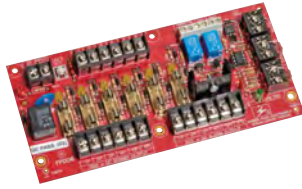
These convert one low voltage power input to 8 individually protected outputs. Handling up to 28 VAC/VDC, this board has a power switch, surge protected outputs, power LED indicator, and diagnostic LEDs per circuit. Each circuit is protected with automotive style fuses rated 3 A @ 35 VDC (up to 5 A fuses may be used) and the board has a 5 A main fuse. Mounts with included foam backed tape or optional snap track (HST34). Dimensions: 3" H x 4.3" W x 1.0" D (7.6 cm H x 11 cm W x 2.5 cm D).



HPMOM5

6 Fused Output Distribution with Fire Panel Interface

This multi-output power distribution module converts one non-power limited 12 VDC or 24 VDC voltage input to 6 power limited outputs. Each output can be used to power magnetic locks, electric strikes, magnetic door holders, etc. Outputs switch together and operate both fail-safe and fail-secure. Activation is through normally open or normally closed supervised input or the polarity reversal from a fire alarm control panel. A Form C dry output relay will enable HVAC shutdown, elevator recall or trigger auxiliary devices. Class 2 current rated at 2.5 A per output. Diagnostic LEDs per circuit. Power and input trigger LEDs. Power fail supervision relay is Form C rated 1 A @ 28 VDC/115 VAC. Dimensions: 5.3" H x 3.5" W x 1" D (13.5 cm H x 8.9 cm W x 2.5 cm D).



HPACM4

4 Fused Output Distribution with FACP Interface

Distributes one 12-24 VAC or VDC input over 4 independently controlled fuse protected outputs.



TRANSFORMERS/BATTERIES

X-2

12 VAC Transformer

Transformer that converts 120 VAC to 12 VAC. 40 VA rating. AC power supply for the following legacy devices: N-501-LB, N-500-LB-B, N-500-PCM, N-1000-II, N-1000-II-X, and C-100-A1.



X-4

16.5 VAC 50 VA Transformer

16.5 VAC 50 VA plug in transformer. For N-1000-III/IV, NS2, NS2+, NX4S1 and replacement transformer for PS-1-12E.



Also Available:

X4CAN

CSA Approved Transformer

CSA Approved 16.5 VAC 50 VA plug-in transformer for N-1000-III, N-1000-IV, NS2, NS2+, NX4S1 control panels.

S-4

Suppressor Kit

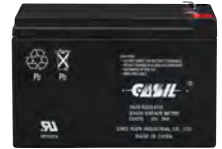
Provides proper protection against electrical spikes caused by collapsing electrical fields. One suppressor kit is required for every electrical switching device connected through a relay contact on the N-1000-II, N-1000-III, N-1000-IV, NS2 and NS2+ control panels.



712BNP

12 V, 7 AH Backup Battery

12 V battery for the NetAXS and PRO2200 panels.



BAT-3

12 V, 4 AH Backup Battery

12 V battery for the N-1000-III, N-1000-IV, NS2, NS+ series of panels.



BAT-1

8 V Battery for N-1000-II

Replacement 8 V operational battery backup for the N-1000-II control panels. The BAT-1 provides power to maintain full control panel functions during AC power loss (for up to 3 hours).



BAT-2

Lithium Battery for N-1000

Replacement lithium battery. Provides backup power for memory retention on the N-1000-II control panels.



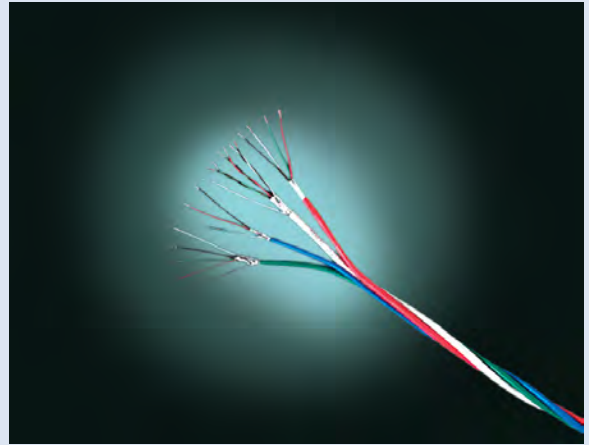
Notes

Genesis Series Cable

Honeywell's Genesis Series cable provides a full range of low voltage cables for security, fire, sound, video, structured cabling, voice & data, and other low voltage cable applications.

Features:

- Countdown or Sequential Footage Markings
- Room/Zone Markings on Legend
- Color Coded Boxes
- New Labeling System on Boxes
- 100% Guaranteed



ACCESS CONTROL CABLES

- General Use Applications
- Plenum Rated Applications

PROFUSION ACCESS CONTROL CABLES

Construction:

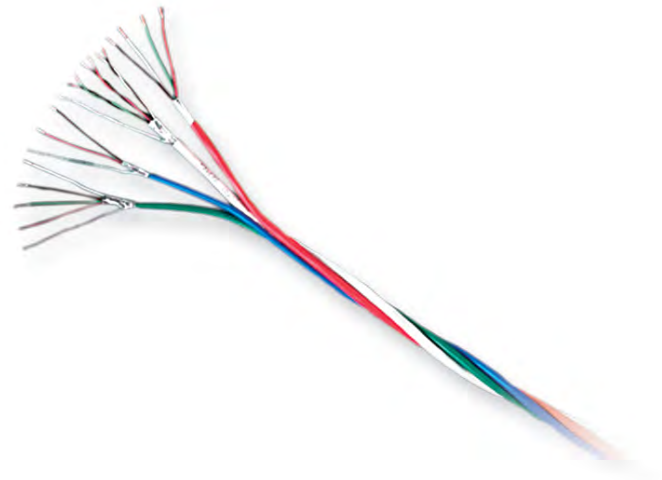
- Profusion Unjacketed Composite Construction
- Reduces Cold Weather Cracking and Cable Separation
 - Dramatically Reduces Installation Time

LEG	CONDUCTOR	CONSTRUCTION	INSULATION COLORS	LAY LENGTH NOM. (IN)	SHIELD	JACKET COLOR
Door Strike	18 AWG BC 16/30 STR	4/C OAS	Black, Red, White, Green	3.0	Al/Mylar	Orange
Card Reader	22 AWG BC 7/30 STR	3/PR OAS	Black/Red, Green/White, Orange/Blue	Pair: 2.0 Cable: 4.5	Al/Mylar	White
Door Contact	22 AWG BC 7/30 STR	2/C OAS	Black, Red	1.75	Al/Mylar	Blue
Request For Exit	22 AWG BC 7/30 STR	4/C OAS	Black, Red, White, Green	2.0	Al/Mylar	Green

Popular Packaging:

- Reel 500', 1000'
- Consult factory for other packaging options

DESCRIPTION	PART #
GENERAL PURPOSE – CM LISTED	
4 Leg Access Control Cable	1298
PLENUM RATED – CMP LISTED	
4 Leg Access Control Cable	3295



MULTI-CONDUCTOR CABLE – UNSHIELDED

Construction:

	Non-Plenum	Plenum
Conductors	Bare Copper	
Insulation	PP Conductor Color Code Chart 1 (≤ 12 Conductors) Conductor Color Code Chart 2 (> 12 Conductors)	Low-Smoke PVC
Jacket	PVC	Low-Smoke PVC
Colors	Gray	Natural

Features:

– Sunlight Resistant (Except Plenum)

Popular Packaging:

– Pull Box 1000'
– Reel 1000'



22 AWG – UNSHIELDED

# COND	STR/SOL	DC RESISTANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CM, CL2 LISTED						
2	STR	16.5	16	0.114	9	1102 A
4	STR	16.5	16	0.133	15	1104 A

RISER RATED – CMR, CL2R, C(UL), FT4 LISTED

2	STR	16.5	16	0.116	11	2102 A
4	STR	16.6	16	0.135	16	2104 A

PLENUM RATED – CMP, CL2P, C(UL), FT6 LISTED

2	STR	16.5	24	0.114	11	3102 A
4	STR	16.5	24	0.133	17	3104 A
6	STR	16.5	24	0.158	24	3106 A

A Not twisted

MULTI-CONDUCTOR CABLE – UNSHIELDED (continued)

Construction:

	Non-Plenum	Plenum
Conductors	Bare Copper	
Insulation	PP Conductor Color Code Chart 1 (≤ 12 Conductors) Conductor Color Code Chart 2 (> 12 Conductors)	Low-Smoke PVC
Jacket	PVC	Low-Smoke PVC
Colors	Gray	Natural

Features:

- Sunlight Resistant (Except Plenum)

Popular Packaging:

- Pull Box 1000'
- Reel 1000'

18 AWG – UNSHIELDED

# COND	STR/SOL	DC RESISTANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CM, CL2 LISTED						
2	STR	6.5	18	0.148	18	1118

RISER RATED – CMR, CL2R, C(UL), FT4 LISTED

2	STR	6.5	18	0.150	18	2114
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PLENUM RATED – CMP, CL2P, C(UL), FT6 LISTED

2	STR	6.5	30	0.148	19	3114
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MULTI-CONDUCTOR CABLE – OVERALL SHIELDED

Construction:

	Non-Plenum	Plenum
Conductors	Bare Copper	
Shield	Al/Mylar with Drain Wire	
Insulation	PP	Low-Smoke PVC
	Conductor Color Code Chart 1 (≤ 12 Conductors)	
	Conductor Color Code Chart 2 (> 12 Conductors)	
Jacket	PVC	Low-Smoke PVC
Colors	Gray	Natural

Features:

– Sunlight Resistant (Except Plenum)

Popular Packaging:

– Pull Box 1000'
– Reel 1000'



22 AWG – SHIELDED

# COND	STR/SOL	DC RESISTANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
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GENERAL PURPOSE – CM, CL2 LISTED

6	STR	16.5	33	0.166	25	1206
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RISER RATED – CMR, CL2R, C(UL), FT4 LISTED

6	STR	16.5	25	0.162	25	2206
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PLENUM RATED – CMP, CL2P, C(UL), FT6 LISTED

6	STR	16.6	45	0.166	27	3206
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Notes

Video Surveillance



Honeywell has the commitment, technology, and the resources to provide the best video surveillance solutions in the industry today. We offer IP and analog video solutions including cameras, domes, lenses, keyboards, DVRs, HVRs, NVRs, quads, multiplexers and more. Our experience, combined with the reliability of our integrated video systems, allows our customers to meet their existing and emerging security challenges with complete systems that fit any budget and any installation.

Video Management System

Honeywell's MAXPRO® VMS controls multiple sources of video subsystems to enhance your video surveillance experience with maximum efficiency and minimum effort. With MAXPRO VMS, you'll discover an intelligent management solution that leverages your existing video infrastructure to collect, manage and present video in a clear and concise manner.



MAXPRO® VMS

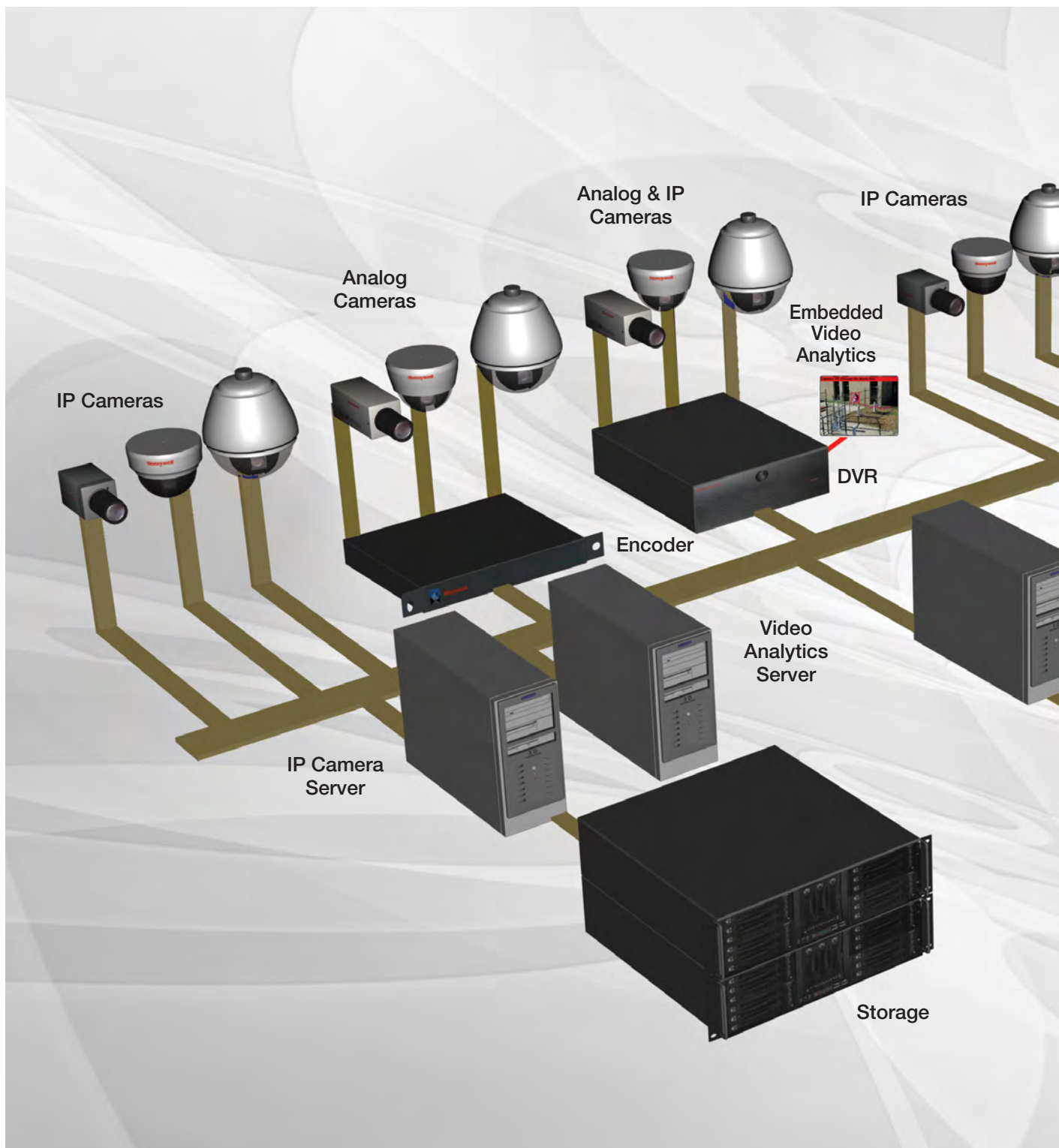
MAXPRO VMS is based on client-server architecture for maximum flexibility, customization and integration. The client-server enables the monitoring of sites and the configuration of video devices such as cameras, monitors, keyboards, etc. It is also flexible enough to accommodate a framework controller and database, and other core components. MAXPRO VMS seamlessly integrates with analog and digital video devices from Honeywell and other manufacturers.

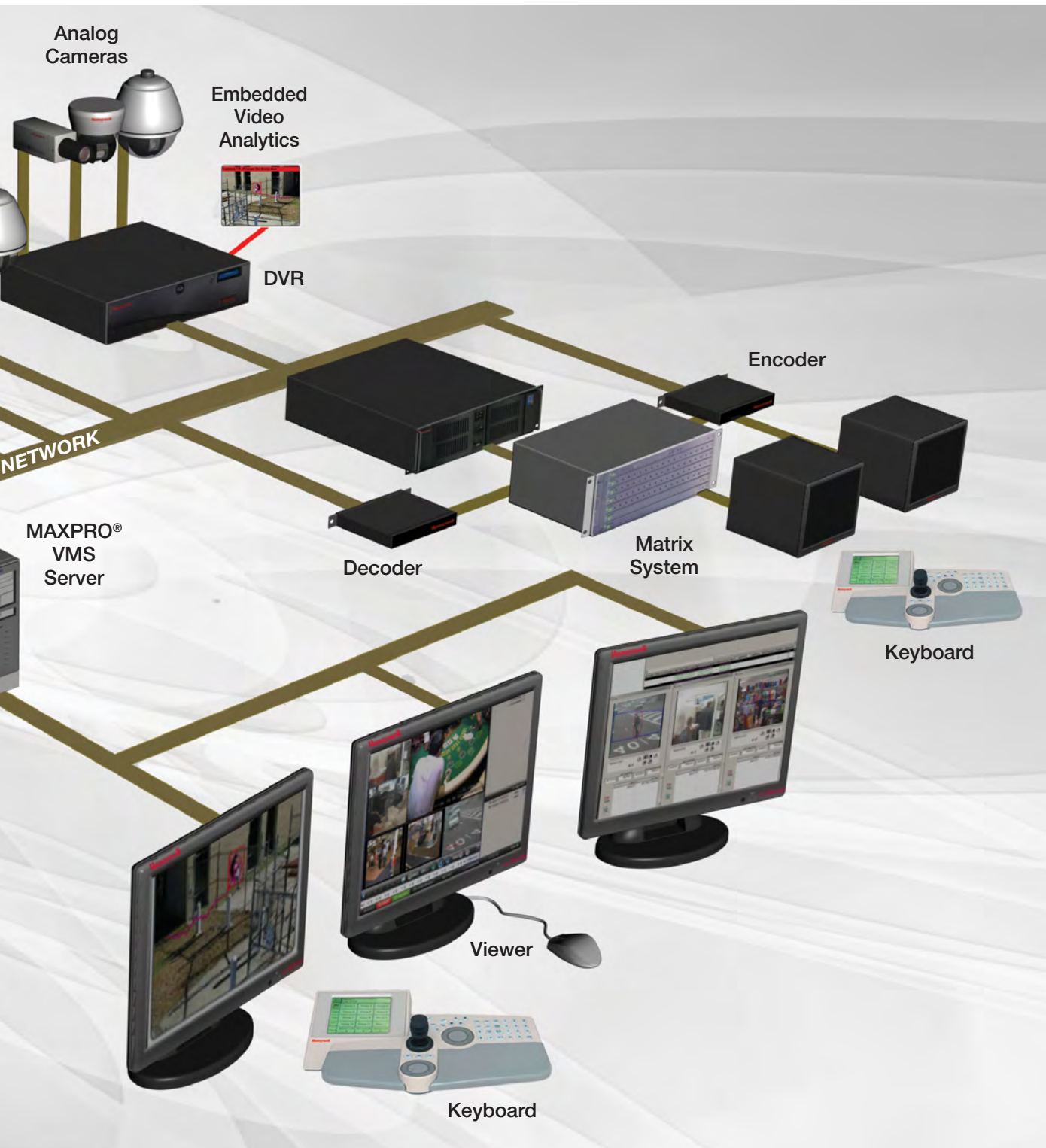
Benefits of MAXPRO VMS:

- Easy installation – install all subsystems easily using a single installation software package
- Maximize existing infrastructures – open architecture enables integration with third party digital and analog components as well as Pro-Watch® security management suite
- User-friendly operations – single user interface provides common look and feel and configuration and control of multiple devices
- Increased productivity – numerous viewer features, some Honeywell-patented, greatly improve efficiency of operators

For ordering information, contact Applications Engineering at 1.800.796.2288, option 4.

MAXPRO® VMS
IP-based system diagram





Video Management System Quick Reference Guide

	MAXPRO® VMS	MAXPRO® VMS Lite
Maximum Number of Cameras	64, Unlimited upgrade	64, Upgrade to 128 max
Maximum Number of Clients	1, Unlimited upgrade	1, Upgrade to 3 max
Video Retention Time	Unlimited	
Video Export Format	Secure Data Container, MPEG, WMV, AVI (depends on DVR/NVR)	
Video Digital Certificate	Yes, includes verification utility/viewer	
Archiving to Network Storage	Yes, depends on NVR	
Reporting	Yes, report system and user events	
Access Control Integration*	Yes, Pro-Watch® and third party alarms, simple ASCII interface also available	Yes, Pro-Watch® and simple ASCII interface also available
Matrix Switcher Integration*	Yes, VideoBloX, MAXPRO and third party switchers	Yes, VideoBloX and MAXPRO
True Hybrid Matrix	Yes, view analog cameras on digital monitors and IP cameras through analog matrix	
DVR/NVR Integration*	Yes, Rapid Eye™, Fusion, Enterprise, MAXPRO® NVRs, IP Engine (DVM upgrade), HRSD, HRXD and third party recorders	Yes, Rapid Eye™, Fusion, Enterprise, MAXPRO® NVRs, IP Engine (DVM upgrade), HRSD and HRXD
SDK Availability	Yes, powerful SDK available for third party integration	
Support for Video Analytics	Yes, server or camera based, NVR/DVR specific	
MAXPRO VMS Server Redundancy	Yes	
NVR/DVR Redundancy	Yes, NVR/DVR specific	
Encoder Redundancy	Yes, encoder specific	
Centralized Management	Yes, manage all users and devices locally or remotely	
Database Format	SQL Express optional full SQL	
Macro Language	Yes, create elaborate custom actions based on system events and user inputs	
Map Function	Yes	
Alarm Management	Advanced alarm management lets you view video captured before, during and after every alarm, and you can also view live video from the camera that recorded the alarm	
Recording Options	Continuous, event, user-initiated and scheduled recording	
Video Wall	Yes, control any system monitor digital or analog from any workstation or UltraKey controller keyboard	
Custom Salvo	Yes, create custom “My Salvo” and “Shared Salvo”	
Operator Messaging	Yes, broadcast message to another operator or monitor with video push	
Video Surround	Yes, associate nearby cameras to one another for rapid tracking	
Live Video Controls	Sharpness, blur, brightness, contrast, hue, saturation, maintain aspect ratio, stretched, original size and picture mirror, interlace and de-interlace (NVR/DVR specific)	
Search Types	Time/date time line, snapshot, jump FWD/REV, bookmarks, events	

*For a complete list of integrations, visit the Honeywell Open Technology Alliance website at www.honeywell.com/security/hota.

For ordering information, contact Applications Engineering at 1.800.796.2288, option 4.

Network Video Recorders

Honeywell's network video recorders (NVRs) include a broad range of software or turnkey solutions that record video from IP cameras, video encoders, and some offer decode back to analog, if required. Honeywell NVRs range from 16-channel standalone solutions up to unlimited Enterprise options. All Honeywell NVR solutions can be monitored through their respective clients or can reside under one common interface, MAXPRO® VMS.

MAXPRO® NVRs

A family of NVRs based on the MAXPRO® VMS user interface which offers a feature rich user experience. Utilization of this familiar interface delivers the "learn one, know them all" concept that allows for familiarity across a broad range of Honeywell products.

MAXPRO NVR SE

- Standard Edition
- Mid-tier
- PSIA compliant
- Supports 32 channels
- Internal storage capacity from 1 TB to 8 TB
- 4 removable storage hard drives (optional 1 TB or 2 TB drives)
- Pre-configured, pre-licensed
- Supports MPEG-4, H.264 compression
- Windows 7 Professional operating system



MAXPRO NVR XE

- Xpress Edition
- Entry level
- PSIA compliant
- Supports 16 channels
- Internal storage capacity of 1 TB
- Pre-configured, pre-licensed
- Supports MPEG-4, H.264 compression
- Windows 7 embedded operating system



FUSION IV

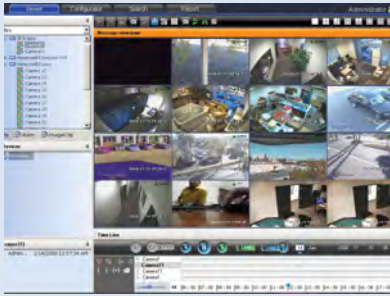
Fusion IV

- IP recording up to 32 channels
- Internal storage capacity from 500 GB to 12 TB
- External storage options from 5 TB to 32 TB
- Supports MJPEG, MPEG-4 and H.264 compression
- Windows® XP embedded operating system



Hardware NVRs (Boxed) Quick Reference Guide

	MAXPRO® NVR SE (Standard Edition)	MAXPRO® NVR XE (Xpress Edition)	Fusion IV
Video Inputs	Max 32	Max 16	8, 16, 32
IP Streams	Up to 32	Up to 16	Up to 32, Model dependent
Video Analytics	Camera based - Motion, Blur, Blinding, Scene Change	Camera based - Motion, Blur, Blinding, Scene Change	
Data Capture (POS/ATM/ALARM)	No POS, No ATM Integrated optional Alarm	No POS, No ATM Integrated optional Alarm	
Video Outputs (Local)	DVI, VGA	VGA	VGA, DVI-D
IPS Recorded	960 @ 4CIF	240 @ 4CIF	240, 480, 960 (Model dependent)
Compression	MPEG-4, H.264 IP Camera dependent	MPEG-4, H.264 IP Camera dependent	MPEG-4, MJPEG, H.264 IP Camera dependent
Record Resolution	Various settings including HD IP Camera dependent	Various settings including HD IP Camera dependent	Various settings up to 5 megapixel IP Camera dependent
Operating System	Windows 7 Professional	Windows 7 Embedded	Windows XP embedded
Internal Storage	1 TB, 2 TB, 4 TB, 8 TB	1 TB	500 GB, 1 TB, 2 TB, 4 TB, 8 TB, 12 TB
Audio Channels			Via cameras – support for specific cameras See Document 800-07870 for details
Alarm Inputs/ Control Outputs	Camera dependent	Camera dependent	Via cameras – support for specific cameras See Document 800-07870 for details
CD or DVD Drive	DVD-RW	DVD-RW	DVD-RW
USB Ports	8 total (2 in front panel, 6 in rear panel)	6 total (2 in front panel, 4 in rear panel)	1 port front / 6 ports rear
Dimensions (WxDxH)	19" x 5.25" x 22.25"	15.61" x 13.75" x 4.30"	19.0" x 27.0" x 3.5"
Software			
Operating Software Support for the Remote Viewing Software	Windows 7 Professional	Windows 7 Professional	Windows XP, Windows Vista, Windows 7
Local User Interface	Yes	Yes	Yes
Graphical User Interface	Yes	Yes	Yes
Live Video	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes
Audio	No	No	Yes
Retrieve	Yes	Yes	Yes
Clip Generation	Yes	Yes	Video & audio
Searches	Time/date timeline, time jump FWD/REV, bookmarks, preview, film strip and event search	Time/date timeline, time jump FWD/REV, bookmarks, preview, film strip and event search	Motion, preview, object, status, date & time, text
Remote Access Software	Included	Included	Included (HFRVS & HFVMS)
Remote View Software Capacity Per NVR			
Max Live Video Streams	80	80	Using HFVMS – up to 8/16/32 based on camera and NVR configuration
Max Video Retrieval Sessions	10	10	Up to 4 simultaneous
Users	10	10	Up to 5 simultaneous
Alarm Notification	Yes	Yes	Yes



IP ENGINE

IP Engine

- Software NVR with unlimited storage capacities
- Enterprise class
- Supports unlimited channels
- Supports MJPEG, MPEG-4, H.264 compression
- Windows 2003 Server operating system, Server 2008 supported Q4 2011
- Centralized database supporting SQL Server
- Support for over 60 IP cameras and encoders from major manufacturers



ENTERPRISE SYSTEM

Enterprise System

- Software or turnkey NVR
- Enterprise class
- Support for up to 999,000 channels
- Supports analog, MJPEG, MPEG-1, MPEG-2, MPEG-4, H.264 compression
- Windows XP, Windows 7, Windows 2003 Server operating system
- Turnkey solutions offer SAS RAID5 or 6 direct attached storage options or up to a 20 TB storage and server in one unit with options for additional storage through JBOD expansion
- Support for over 160 IP cameras and encoders from major manufacturers

Software NVRs Quick Reference Guide

	IP Engine	Enterprise System
Video Inputs	Max 512 per system	Unlimited
IP Streams	Unlimited	999,000
Video Analytics	Integrated - per channel (optional)	Standard motion detection included on unlimited channels Advance motion detection optional per channel
Data Capture (POS/ATM/ALARM)	No POS, No ATM Integrated Optional Alarm	Yes Alarm Integrated with POS/ATM Optional
Video Outputs (Local)	MVMS workstations	Workstations optional Decoder outputs
IPS Recorded	System dependent	System dependent
Compression	MJPEG, MPEG-4, H.264 IP Camera dependent	Analog, MJPEG, MPEG-1, MPEG-2, MPEG-4, H.264
Record Resolution	IP Camera dependent	IP Camera dependent
Operating System	Windows 2003 Server	Windows XP, Windows 2003 Server
Internal Storage	Hardware dependent	Hardware dependent
Audio Channels		1 audio per video
Alarm Inputs/ Control Outputs	Integrated optional	Optional unlimited Integrated optional
CD or DVD Drive	Hardware dependent	Hardware dependent
USB Ports	Hardware dependent	Hardware dependent
Software		
Operating Software Support for the Remote Viewing Software	Windows XP, Windows 2003 Server	Windows XP, Windows 2003 Server
Local User Interface	Yes	Yes
Graphical User Interface	Yes, with MAXPRO VMS	Yes
Live Video	Yes, with MAXPRO VMS	Yes
PTZ Control	Yes, with MAXPRO VMS	Yes
Audio	Yes, with MAXPRO VMS	Yes
Retrieve	Yes, with MAXPRO VMS	Yes
Clip Generation	Yes, with MAXPRO VMS	Video & audio
Searches	Time/date, timeline, alarm with MAXPRO VMS	Time/date, motion event, preview, object, status, data, event
Remote Access Software	Not included	Licensed or web viewer
Remote View Software Capacity Per NVR		
Max Live Video Streams	Max 600 fps (CIF) per workstation	Hardware dependent
Max Video Retrieval Sessions	Max 600 fps (CIF) per workstation	Near unlimited
Users	99	Near unlimited
Alarm Notification	Yes	Yes

Hybrid Video Recorders

Honeywell's hybrid video recorders (HVRs) offer customers a cost-effective, phased approach to IP security. HVRs record and display both IP and analog cameras so customers can use existing equipment and enjoy the benefits associated with IP such as high definition video and open technology interoperability.

RAPID EYE™



Rapid Eye™ Hybrid HD

- Up to a combined total of 16 channels of analog and IP cameras
- Up to 480 ips
- Up to 1 TB storage (standard)
- Up to 4 TB storage (field expandable)
- LINUX operating system

Rapid Eye™ Hybrid HD Active Alert®

- Up to 8 channels of embedded intelligent video analytics (analog channels only)
- Up to a combined total of 16 channels of analog and IP cameras
- Up to 480 ips
- Up to 1 TB storage (standard)
- Up to 3 TB storage (field expandable)
- LINUX operating system

Rapid Eye™ Report

- Automated report generation
- DVR and camera health check
- Back door, CSD, security event reports
- Automated multi-site firmware upgrades
- Automatic report distribution
- Import of contact data and accounting system data
- Directly importing Rapid Eye databases
- Export site data to an external database
- Synchronization of data across multiple Rapid Eye databases

RAPID EYE™ HYBRID HD AND RAPID EYE HYBRID HD ACTIVE ALERT ORDERING

Ordering

	HRE	16	R	48	D	1T0	
Model							Storage Size
Honeywell Rapid Eye							500 500 GB
							1T0 1 TB
# of Channels							Media Options
16							D DVD-RW
							N NoDVD-RW
Feature							Record Rate @ Resolution
R Real-time							48 NTSC 480 ips @ CIF
A Analytics + Real-time	Note: only 480/400 ips available on analytics units						40 PAL 400 ips @ CIF
							12 NTSC 120 ips @ CIF
							10 PAL 100 ips @ CIF

NOTE: The resolutions listed above refer to recording rates for analog camera systems only.

Ordering

HRERT	FREE 90-day trial (unlimited number of Rapid Eye units). Try Rapid Eye™ Report for FREE and then upgrade for up to 10 Rapid Eye units for 1 year, FREE.
HRER10	Software license to access up to 10 Rapid Eye units. FREE upgrade after 90-day trial
HRER25	Software license to access up to 25 Rapid Eye units
HRER50	Software license to access up to 50 Rapid Eye units
HRER100	Software license to access up to 100 Rapid Eye units
HRER250	Software license to access up to 250 Rapid Eye units
HRER500	Software license to access up to 500 Rapid Eye units
HRERENT	Software license to access over 500 Rapid Eye units
HRER10M-11*	Software maintenance agreement fees for HRER10 for year 2011
HRER25M-11*	Software maintenance agreement fees for HRER25 for year 2011
HRER50M-11*	Software maintenance agreement fees for HRER50 for year 2011
HRER100M-11*	Software maintenance agreement fees for HRER100 for year 2011
HRER250M-11*	Software maintenance agreement fees for HRER250 for year 2011
HRER500M-11*	Software maintenance agreement fees for HRER500 for year 2011
HRERENTM-11*	Software maintenance agreement fees for HRERENT for year 2011

* Includes software upgrades and fixes for one year. First year support covers 15 months to allow for delivery, setup, and so on. Subsequent years cover 12-month periods.

FUSION IV

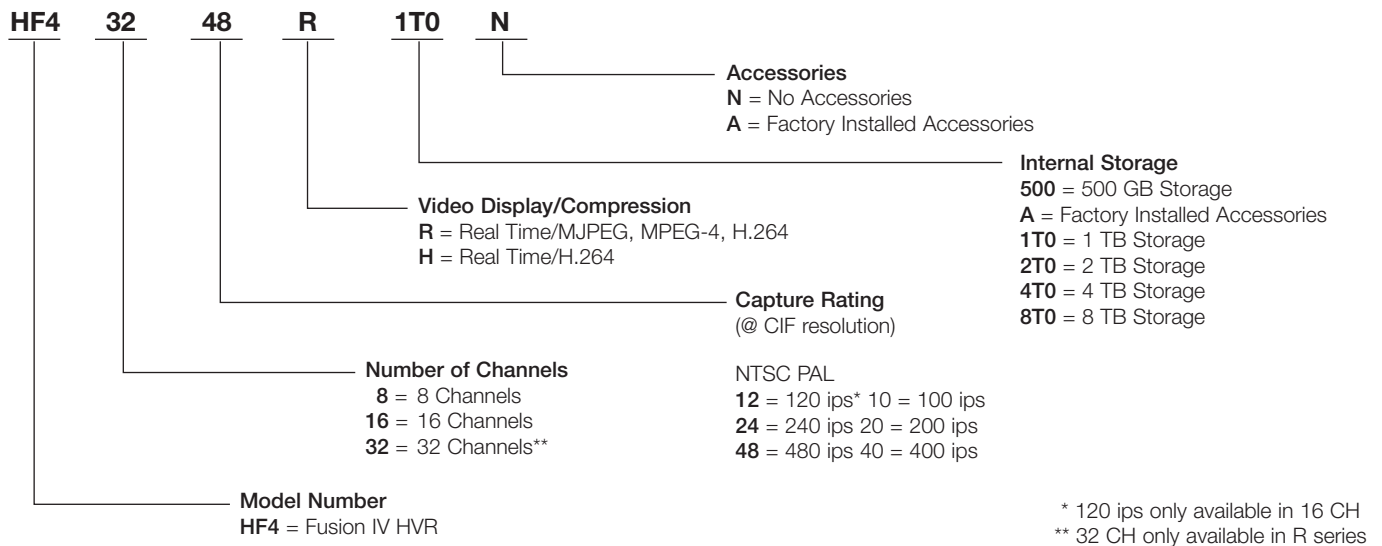


Fusion IV



- Up to 32 channels of analog and IP cameras
- Up to 480 ips
- Up to 8 TB (internal)
- Up to 16 TB (external)
- Windows® XP operating system

Fusion IV Ordering

Ordering



Hybrid Video Recorders Quick Reference Guide

	Rapid Eye™ Hybrid HD	Fusion IV
		
Analog Video Inputs	16 Looping, BNC	8 and 16 Looping, 32 – Looping optional
IP Streams	Up to a combined total of 16 channels of analog and IP cameras	Up to 8, 16, or 32 based on DVR channel capacity, number of cameras used for analog, and DVR resources (CPU/RAM etc.)
Video Analytics	Up to 8 Channels (Optional) Embedded Active Alert Video Analytics	Requires external analytics server
Data Capture (POS/ATM/ALARM)	Yes	Yes
Video Outputs (Local)	Main out: VGA/DVI-D, Spot out: BNC	Main out: VGA/DVI-D, Spot out: RCA
IPS Recorded	120, 480	120, 240, 480
Compression	Modified H.261/263 (Rapid Eye proprietary) IP camera codec (MPEG-4 and H.264)	MPEG-4, MJPEG, H.264
Record Resolution	320x180, 352x240, 640x360, 704x240, 704x480, 800x450, 1280x720 (IP format)	Analog: CIF 360x240, 2CIF 720x240, D1 720x480 IP: Camera dependent, up to 5 megapixel See Document 800-07870 for additional camera support details
Operating System	Linux	Windows XP embedded
Internal Storage	500 GB, 1 TB, field expandable up to 4 TB	500 GB, 1 TB, 2 TB, 4 TB, 8 TB
Audio Channels	2	4, 8 or 16 DVR model dependent, one audio output. See Fusion datasheet for details.
Alarm Inputs/ Control Outputs	16 inputs, 8 outputs, plus fault relay	8 – 8 channel 16 – 16 channel/32 channel
CD or DVD Drive	DVD-RW	DVD-RW
USB Ports	6 total (2 in front panel, 4 in rear panel)	8 ports
Dimensions (WxDxH)	17.28" x 20.85" x 5.23"	17.3" x 21.75" x 7.0"
Server Software		
Local User Interface	Yes	Yes
Graphical User Interface	Yes	Yes
Live Video	Yes	Yes
PTZ Control	Yes	Yes
Audio	Yes	Yes
Retrieve	Yes	Yes
Clip Generation	Video & audio	Video & audio
Searches	Motion, time & date, preview, object, status	Motion, preview, object, status, date & time, text
Remote Access Software	Included (HRM10VIEW)	Included (HFRVS & HFVMS)
Remote Access Software	Rapid Eye VIEW Software	Fusion HFRVS – Single site HFVMS – Multi-site
Maximum sessions per HVR – see product datasheets for details	Live video (all users) 32 streams	Up to 5 simultaneous sessions
Alarm Notification	Yes	Yes
OS Compatibility	Windows 7, Windows XP or Windows 2000	Windows XP, Windows Vista or Windows 7

IP Indoor Mini-Domes

IP indoor mini-domes are all-inclusive units, combining camera, lens, and housing into a single package that is easy to install. They are a perfect fit for a variety of applications where excellent picture quality and minimal bandwidth are required.

EQUIP® SERIES

HD3MDIH

- True Day/Night
- 720p
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens
- Surface or flush mount



HD3MDIP

- True Day/Night
- 720p
- MJPEG and MPEG-4
- 3.3-12 mm lens
- Surface or flush mount



PERFORMANCE SERIES

HD45IP

- Day/Night
- 720p
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens
- Surface or flush mount



HD44IP

- Day/Night
- VGA
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens
- Surface or flush mount



IP Indoor Mini-Domes Quick Reference Guide

	EQUIP® Series		Performance Series	
	HD3MDIH	HD3MDIP	HD45IP	HD44IP
Housing Color	Off White	Off White	Off White	Off White
Day/Night	True Day/Night (removable IR cut filter)	True Day/Night (removable IR cut filter)	Day/Night	Day/Night
Resolution	HD 720p	HD 720p	HD 720p	VGA
Image Sensor	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
S/N Ratio	50 dB (AGC off) or more	50 dB (AGC off) or more	50 dB (AGC off) or more	50 dB (AGC off) or more
IR Corrected Lens	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)
Minimum Illumination at 50 IREs	0.25 lux color 0.22 lux BW	0.25 lux color 0.22 lux BW	0.75 lux color 0.55 lux BW	0.75 lux color 0.55 lux BW
Video Compression	H.264 and MJPEG	MJPEG and MPEG-4	H.264 and MJPEG	H.264 and MJPEG
Resolutions	1280x720, 800x450, 640x360, 320x180	1280x720, 800x450, 640x360, 320x180	1280x720, 800x450, 640x360, 320x180	640x480, 640x360, 320x240, 320x180
Frame Rate	Up to 30 fps	Up to 30 fps	Up to 30 fps	Up to 30 fps
Users	1 Administrator, 3 Guests	1 Administrator or 1 Guest	1 Administrator, 3 Guests	1 Administrator, 3 Guests
Audio/Two-Way	Line in/out	Line in/out		
Alarm I/O	Yes	Yes		
Automatic Electronic Shutter	1/60-1/24,500 sec	1/60-1/24,500 sec	1/60-1/24,500 sec	1/60-1/24,500 sec
Input Voltage	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1
Power Consumption	3.5 W (max)	3.5 W (max)	3.5 W (max)	3.5 W (max)
Dimensions	4.9" x 4.9" x 4.9"	4.9" x 4.9" x 4.9"	4.9" x 4.9" x 4.9"	4.9" x 4.9" x 4.9"
Weight	1.0 lb	1.0 lb	1.0 lb	1.0 lb
Indoor Mounts	HD3-MK1 Wall/Pendant Mount Kit, Off White	HD3-MK1 Wall/Pendant Mount Kit, Off White	HD3-MK1 Wall/Pendant Mount Kit, Off White	HD3-MK1 Wall/Pendant Mount Kit, Off White
Other	PSIA Support Digital Noise Reduction	Digital Noise Reduction	PSIA Support Digital Noise Reduction	PSIA Support Digital Noise Reduction

IP Rugged, Indoor/Outdoor Mini-Domes

Honeywell's IP rugged, indoor/outdoor mini-domes offer an excellent balance of durability and aesthetic appeal. Its discreet, vandal-resistant, outdoor design is impact resistant and offers maximum protection against dust, dirt, and water. It's perfect for installations indoor or out where excellent picture clarity at minimal bandwidth is required.

EQUIP® SERIES

HD4MDIH

- True Day/Night
- 720p
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens



HD4MDIP

- True Day/Night
- 720p
- MJPEG and MPEG-4
- 3.3-12 mm lens



PERFORMANCE SERIES

HD55IP

- Day/Night
- 720p
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens



HD54IP

- Day/Night
- VGA
- H.264 and MJPEG
- Standards compliant
- 3.3-12 mm lens



IP Rugged, Indoor/Outdoor Mini-Domes Quick Reference Guide				
	EQUIP® Series		Performance Series	
	HD4MDIH	HD4MDIP	HD55IP	HD54IP
Housing Color	Cool Gray	Cool Gray	Cool Gray	Cool Gray
Day/Night	True Day/Night (removable IR cut filter)	True Day/Night (removable IR cut filter)	Day/Night	Day/Night
Resolution	HD 720p	HD 720p	HD 720p	VGA
Image Sensor	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
S/N Ratio	50 dB (AGC off) or more	50 dB (AGC off) or more	50 dB (AGC off) or more	50 dB (AGC off) or more
IR Corrected Lens	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)
Minimum Illumination at 50 IREs	0.25 lux color 0.22 lux BW	0.25 lux color 0.22 lux BW	0.75 lux color 0.55 lux BW	0.75 lux color 0.55 lux BW
Video Compression	H.264 and MJPEG	MJPEG and MPEG-4	H.264 and MJPEG	H.264 and MJPEG
Resolutions	1280x720, 800x450, 640x360, 320x180	1280x720, 800x450, 640x360, 320x180	1280x720, 800x450, 640x360, 320x180	640x480, 640x360, 320x240, 320x180
Frame Rate	Up to 30 fps	Up to 30 fps	up to 30 fps	up to 30 fps
Users	1 Administrator, 3 Guests	1 Administrator or 1 Guest	1 Administrator, 3 Guests	1 Administrator, 3 Guests
Audio/Two-Way	Line in/out	Line in/out		
Alarm I/O	Yes	Yes		
Automatic Electronic Shutter	1/60-1/24,500 sec	1/60-1/24,500 sec	1/60-1/24,500 sec	1/60-1/24,500 sec
Input Voltage	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1
Power Consumption	3.5 W (max)	3.5 W (max)	3.5 W (max)	3.5 W (max)
Dimensions	6.1" x 4.61" x 6.1"	6.1" x 4.61" x 6.1"	6.1" x 4.61" x 6.1"	6.1" x 4.61" x 6.1"
Weight	3.0 lb	3.0 lb	3.0 lb	3.0 lb
Indoor/Outdoor Mounts	HD4DIP-PK Pendant Mount HD4DIP-WK Wall Mount	HD4DIP-PK Pendant Mount HD4DIP-WK Wall Mount	HD4DIP-PK Pendant Mount HD4DIP-WK Wall Mount	HD4DIP-PK Pendant Mount HD4DIP-WK Wall Mount
Other	PSIA Support Digital Noise Reduction Vandal Resistant IP66 Rating	Digital Noise Reduction Vandal Resistant IP66 Rating	PSIA Support Digital Noise Reduction Vandal Resistant IP66 Rating	PSIA Support Digital Noise Reduction Vandal Resistant IP66 Rating

IP Box Cameras

Honeywell provides a line of IP box cameras that offers the flexibility and versatility required by the most demanding customer. Our box cameras come in a variety of configurations and with a multitude of options, including megapixel, high definition, True Day/Night. Incredibly versatile, each can be mounted in various ways with one of several lens options.

HCX MEGAPIXEL SERIES

HCX5DW2

- 5 Megapixel
- True Day/Night
- 4.5-13 mm lens



HCX3W

- 3.1 Megapixel
- Color
- 4.0-10 mm lens



EQUIP® SERIES

HCD5MDIH

- True Day/Night
- 720p
- H.264
- Standards compliant



HCD554IP

- True Day/Night
- Super High Resolution
- MJPEG and MPEG-4



IP Box Cameras Quick Reference Guide

	HCX Megapixel Series		EQUIP® Series	
	HCX5DW2	HCX3W	HCD5MIH	HCD554IP
Housing Color	Dark Gray	Dark Gray	Cool Gray	Cool Gray
Day/Night	True Day/Night		True Day/Night	True Day/Night
Color/B&W		Color		
Resolution	5 Megapixel	3.1 Megapixel	HD 720p	Super High Res >540 TVL
Image Sensor	1/2" CMOS imager progressive scan	1/2" CMOS imager progressive scan	1/4" CMOS	1/3" CCD
S/N Ratio	>50 dB (AGC off)	>50 dB (AGC off)	50 dB (AGC off) or more	>50 dB (AGC off)
Lens	Vari-focal Manual Iris (F1.8, 4.5-13 mm)	Vari-focal Manual Iris (F1.8, 4.0-10 mm)	Recommended Lens (not included): HLD3V8MPD or HLM45V13MPD	Recommended Lens (not included): HLD5V50DNL HLD27V13DNL or HLD29V8DNL
Minimum Illumination	0.3 lux color 0.05 lux B/W	0.3 lux color	0.6 lux color 0.4 lux BW	0.6 lux color 0.4 lux B/W
Digital Slow Shutter	1X-4X	1X-4X		No
Privacy Function	Multiple exclude zones	Multiple exclude zones		
Motion Detection	Multi-zone include/exclude	Multi-zone include/exclude		
Video Compression	MJPEG	MJPEG	H.264 and MJPEG	MPEG-4 Part 2 (ISO/IEC 14496-2) SP level 0-3
Resolutions	2560x1920, 2048x1536, 1600x1200, 1280x1024, 1280x720, 1024x768, 4CIF	2048x1536, 1600x1200, 1280x1024, 1280x720, 1024x768, 4CIF	1280x720, 800x450, 640x360, 320x180	4CIF (704x480) 2CIF (704x240) CIF (352x240)
Frame Rate	up to 8 fps @ 5.0 MP 12 fps @ 3.1 MP 20 fps @ 2.0 MP 30 fps @ 1.3 MP	up to 12 fps @ 3.1 MP 20 fps @ 2.0 MP 30 fps @ 1.3 MP	Up to 30 fps	up to 30 fps
Users	3 simultaneous unicast	3 simultaneous unicast	1 Administrator, 3 Guests	1 Administrator 4 Guests (unicast)
Audio/Two-Way	no	no	Line in/out	Line in/out
Alarm I/O	yes	yes		yes
Automatic Electronic Shutter	1/5-1/10,000 second	1/5-1/10,000 second	1/60-1/24,500 sec	1/60-1/100,000 second
Input Voltage	12 VDC / 24 VAC PoE IEEE 802.3af	12 VDC / 24 VAC PoE IEEE 802.3af	24 VAC, PoE IEEE 802.3af, Class 1	12 VDC / 24 VAC PoE IEEE 802.3af
Power Consumption	2.5 W max	2.5 W max	5.0 W (max)	8 W max
Dimensions	2.52" x 2.09" x 5.65"	2.52" x 2.09" x 5.65"	2.65" x 2.44" x 5.70"	2.65" x 2.44" x 5.70"
Weight	0.8 lb	0.8 lb	1.1 lb	1.1 lb
Indoor Mounts	HBC5WT (White) HBC5BK (Black)		HBC5WT Wall/Ceiling Mount, White HBC5BK Wall/Ceiling Mount, Black	
Environmental Housings	HHC12WM (with Wall Mount) HHC12WM2 (with Wall Mount and Heater Blower)		HHC12WM (with Wall Mount) HHC12WM2 (with Wall Mount and Heater Blower)	
Indoor/Outdoor Mounts	HHMW13 (Wall Mount) HHMC21J (Ceiling “J” Mount)		HHMW13 Wall Mount HHMC21J Ceiling “J” Mount	
Power Supplies	HPTV2416UL (16 Output UL) HPTV2408UL (8 Output UL) HPTV2404UL (4 Output UL) HPT2440 (24 VAC, 40 VA) HPT2420 (24 VAC, 20 VA)			
Other			PSIA Support	

IP PTZ Domes

Honeywell manufactures a full line of leading-edge IP PTZ domes that offer world-class performance and seamless system integration.

ACUIX™ IP is the perfect PTZ choice for customers who are seeking to control costs by capitalizing on existing IT infrastructure. Because it supports analog communication, ACUIX IP enables customers with a traditional analog system to future proof their system and maximize their PTZ investment.

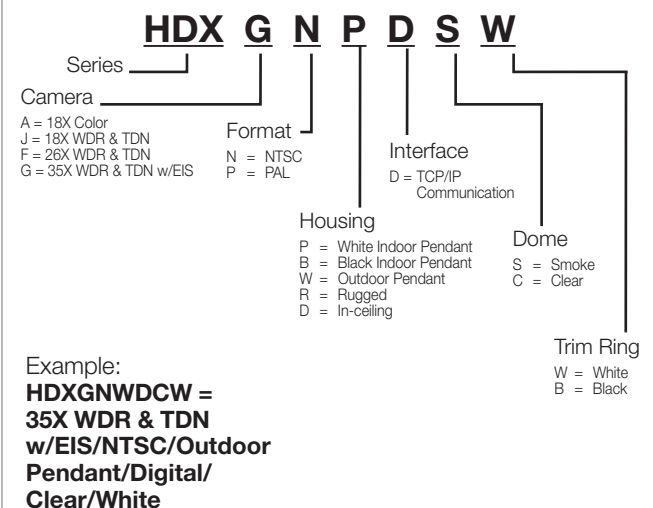
All ACUIX PTZs feature Honeywell's IntelliBus™ technology that allows users to remotely upload firmware to all domes and permits secure storage of all camera settings such as labels, presets, tours, and privacy zones to the head end.



ACUIX™ IP PTZs

- 18X, 26X, 35X Zoom
- True Day/Night, Wide Dynamic Range
- Electronic Image Stabilization Option
- In-ceiling, Indoor Pendant, Outdoor Pendant, Rugged Housing Options

Ordering



ACUIX™ IP PTZs Quick Reference Guide

Camera	35X	26X	18X	18X Color
Day/Night	True Day/Night	True Day/Night	True Day/Night	
Wide Dynamic Range	128X	128X	128X	
Color/B&W				Color
Electronic Image Stabilization	up to 12 dB suppression			
Lens	35X optical zoom, F3.4 (wide) to 119 mm (tele), F1.4 to F4.2	26X optical zoom, F3.5 (wide) to 91.0 mm (tele), F1.6 to F3.8	18X optical zoom, F4.1 (wide) to 73.8 mm (tele), F1.4 to F3.0	
Horizontal Resolution	>540 TVL, Super High Res	>530 TVL, Super High Res		>470 TVL, High Res
Image Sensor	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD
Digital Zoom	12X (420X total zoom)	12X (312X total zoom)	12X (216X total zoom)	
Angle of View (H)	55.8° (wide end) 1.7° (tele end)	54.2° (wide end) 2.2° (tele end)	48° (wide end) 2.8° (tele end)	
S/N Ratio	>50 dB			
Minimum Illumination	0.5 lux color, 0.15 lux B/W	1.0 lux color, 0.15 lux B/W	0.7 lux color, 0.15 lux B/W	0.7 lux color
Privacy Function	32 Dynamic Privacy Zones			
Presets per Dome	150			
Preset Tours	16 tours with up to 64 presets per tour			
Video Compression	MPEG-4 Part 2 (ISO/IEC 14496-2), SP level 0-3			
Resolutions	4CIF (704 x 480) 2CIF (704 x 240) CIF (352 x 240)			
Frame Rate	Up to 30 fps video in all resolutions			
Users	5 simultaneous unicast			
Automatic Electronic Shutter	1/2-1/30,000 second	1/1-1/10,000 second		
Input Voltage	24 VAC @ 50/60 Hz, Class 2 LPS			
Power Supplies	HPTV2401WPZ (24 VAC, 8 A with surge protection for power, video, and data, NEMA 4X enclosure) HPTV2401WPS (24 VAC, 8 A with surge protection for power and video, NEMA 4X enclosure)			

Housings	In-ceiling	Indoor	Outdoor	Rugged
Power Consumption	41 W Peak 29 W Idle	41 W Peak 29 W Idle	55 W Peak 41 W Idle	55 W Peak 41 W Idle
Housing Dimensions	6.7" H x 8.13" Dia	7.7" H x 9.3" Dia	7.7" H x 10.1" Dia	12.58" H x 10.52" Dia (with attached mount vertical) 11.04" H x 13.11" Dia (with attached mount horizontal)
Weights	6.0 lb	6.0 lb	6.7 lb	14.75 lb
Mounts		HDCM1 (Indoor only Ceiling Mount - Warm Gray) HDXWM2 (Wall Mount - Warm Gray) HDPRM2 (Parapet & Flat Roof Mount) HDXPMA1 (Pole Mount Adapter for HDXWM2 and Rugged Housing) HDXCMA1 (Corner Mount Adapter for HDXWM2 and Rugged Housing)		

Matrix Switching Systems

Matrix switchers are video managing devices that can allow full crosspoint switching of sources such as cameras and decoded digital video streams for display on video monitors. Switchers allow for control of PTZ cameras from multiple manufacturers through a single system, and also enable customizable alarm and device control scenarios by simple relay or complex serial interfaces. Matrix switchers help integrate other security solutions such as access control and fire and building controls. Honeywell is a global leader in matrix switch development and offers two established system controllers: the MAXPRO-Net enterprise class-based system controller and the VideoBloX embedded CPU controller. Both system controllers utilize the high density Honeywell Matrix platform for switching and control hardware.



MAXPRO-Net ENTERPRISE LEVEL MATRIX SWITCHING

The MAXPRO-Net system is an enterprise level high availability matrix switching system that is a highly expandable, CCTV management system.

With unparalleled flexibility and reliability, MAXPRO-Net is well suited for analog matrix environments that require interfacing with existing and future digital NVRs and the flexibility of an extremely powerful macro language.

- Up to 16,000 inputs and 999 outputs on a single node, up to 999 nodes
- Honeywell's UltraKey support over Ethernet and RS232
- Remote diagnostic monitoring over Ethernet
- Remote control to satellite matrix switchers-Ethernet or RS232
- 9999 alarm inputs and outputs
- Control for PTZ cameras from Honeywell and most other major manufacturers
- Powerful macro language allows for complete flexibility in customizing system response to events and custom integration

continued next page

continued from previous page

- High-level interface for integration with third party switchers, digital recording equipment, access control, and alarm management systems
- Modular system allows easy system expansion to protect initial investment
- MAXPRO-Net CPU controls both Legacy MAX-1000 and the ultra compact VideoBloX switching and control hardware

- Full CPU redundancy is available using the MegaPIT™ auto changeover and port expander unit
- MAXPRO-Net graphics platform (MGP Net) available for control from a PC through mapping and icons

For ordering information, contact Applications Engineering at 1-800-796-2288, option 4.

VideoBloX Net CPU AND 16 CHANNEL TITLED OUTPUT



The VideoBloX Net CPU is a fully featured, solid state matrix combination controller for the VideoBloX switching and control hardware and a 16 channel titled output card. VideoBloX fits applications where a robust embedded controller is required.

- Create systems as large as 1,248 video inputs and 512 outputs with a single CPU
- Up to 15 network nodes can be configured allowing for remote control of remote nodes using RS422 and Ethernet
- Up to 32 UltraKey keyboards and 6000/1000 alarm inputs or outputs
- Compatible with PTZ domes, DVRs and multiplexers from Honeywell and most other major manufacturers through either PIT or GPIO. Up the coax PTZ control is available for ACUIX series and legacy VCL PTZ domes.

- Configured by a simple Windows-based Configurator Application (VideoNETCFG)
- Powerful yet easy to use, 2048x32 step sequence engine for building custom actions to system and external events
- Graphical User Interface control (VideoGUI) available for map based system control
- Device Manager application allows for quick integration to serial controlled devices such as DVRs

VideoBloX HARDWARE SWITCHING AND CONTROL PLATFORM



TWISTED PAIR INPUT RJ45, BNC LOOP OUT



BNC OR RIBBON VIDEO IN / LOOP OUT



VideoBloX is a high capacity video and audio matrix switching and control hardware platform. System control is either by the MAXPRO-Net system controller or the VideoBloX embedded CPU. VideoBloX offers a high density, compact design that requires smaller rack space than competitive systems.

- Single 12U VideoBloX chassis supports 304 inputs by 64 outputs, or typical 336x64 "Interlink" bay
- 2U, 4U, 8U and 12U chassis sizes available
- All chassis except 2U support a 64-channel output bus
- Plug and play, hot swappable modules minimize downtime and maintenance
- Each module has its own processor for true distributed processing
- Hardware supports systems as large as 16,384 video inputs and 1,024 outputs
- Video input can be either composite video (BNC) or twisted pair (UTP-RJ45) directly into the matrix with loop out
- Video output modules overlay system titling in an 18 line by 44 character array with changeable fonts and multi-language character support
- Stainless steel fabrication provides excellent grounding and heat dissipation
- "Interlink" topology allows for distributed matrix switching over short or long distances
- Redundant power supply for chassis
- Control provided for PTZ domes from Honeywell and most other major manufacturers using external PIT modules or embedded GPIO card in chassis. Up the coax PTZ control is possible if using VideoBloX NetCPU for ACUIX and legacy VCL PTZ domes.
- General purpose I/O board has 4 PTZ ports each with configurable protocol types, 24 supervised alarm inputs and 4 dry contact relay outputs. Multiple GPIO cards can be installed in a chassis to support the maximum allowable by the controlling system.
- Remote 32 channel panel can be used for looping out or into a chassis

For ordering information, contact Applications Engineering at 1-800-796-2288, option 4.



VideoBloX LITE

The VideoBloX Lite Series is a smaller, pre-configured version of the VideoBloX matrix system offering high quality images and near broadcast performance for up to 96 video inputs and 8 video outputs. Since the entire system is designed on a modular approach, users can configure their systems to suit a wide variety of applications.

- High density design occupies smaller rack space with fewer interconnects
- Embedded CPU controller ensures robust and reliable operation
- Plug and play, hot swappable modules minimize downtime and maintenance
- Protocol interface translators provide control to PTZ domes, DVRs, and multiplexers from Honeywell as well as most other manufacturers
- Hardware platform allows for future upgradeability to VideoBloX embedded CPU or MAXPRO-Net
- Configured by a simple Windows-based Configurator Application (VideoCFG)
- Powerful yet easy to use 2048x32 step sequence engine for customizing system events
- Graphical User Interface control (VideoGUI) available

VideoBloX Lite Ordering

Inputs	Outputs	Chassis	Part Number
16	8	2U	HVBLT2U16X8
		2U, Looping	HVBLT2U16X8L
32	8	2U	HVBLT2U32X8
		4U	HVBLT4U32X8
		4U, Looping	HVBLT4U32X8L
48	8	4U	HVBLT4U48X8
		4U, Looping	HVBLT4U48X8L
64	8	4U	HVBLT4U64X8
80	8	4U	HVBLT4U80X8
96	8	4U	HVBLT4U96X8

Hybrid Video Recorders

Honeywell's hybrid video recorders (HVRs) offer customers a cost-effective, phased approach to IP security. HVRs record and display both IP and analog cameras so customers can use existing equipment and enjoy the benefits associated with IP such as high definition video and open technology interoperability.

RAPID EYE™



Rapid Eye™ Hybrid HD

- Up to a combined total of 16 channels of analog and IP cameras
- Up to 480 ips
- Up to 1 TB storage (standard)
- Up to 4 TB storage (field expandable)
- LINUX operating system

Rapid Eye™ Hybrid HD Active Alert®

- Up to 8 channels of embedded intelligent video analytics (analog channels only)
- Up to a combined total of 16 channels of analog and IP cameras
- Up to 480 ips
- Up to 1 TB storage (standard)
- Up to 3 TB storage (field expandable)
- LINUX operating system

Rapid Eye™ Report

- Automated report generation
- DVR and camera health check
- Back door, CSD, security event reports
- Automated multi-site firmware upgrades
- Automatic report distribution
- Import of contact data and accounting system data
- Directly importing Rapid Eye databases
- Export site data to an external database
- Synchronization of data across multiple Rapid Eye databases

RAPID EYE™ HYBRID HD AND RAPID EYE HYBRID HD ACTIVE ALERT ORDERING

Ordering

	HRE	16	R	48	D	1T0	
Model						Storage Size	
Honeywell Rapid Eye						500	500 GB
						1T0	1 TB
# of Channels						Media Options	
16						D	DVD-RW
						N	No DVD-RW
Feature						Record Rate @ Resolution	
R Real-time						48	NTSC 480 ips @ CIF
A Analytics + Real-time						40	PAL 400 ips @ CIF
Note: only 480/400 ips available on analytics units						12	NTSC 120 ips @ CIF
						10	PAL 100 ips @ CIF

NOTE: The resolutions listed above refer to recording rates for analog camera systems only.

Ordering

HRERT	FREE 90-day trial (unlimited number of Rapid Eye units). Try Rapid Eye Report for FREE and then upgrade for up to 10 Rapid Eye units for 1 year, FREE.
HRER10	Software license to access up to 10 Rapid Eye units. FREE upgrade after 90-day trial
HRER25	Software license to access up to 25 Rapid Eye units
HRER50	Software license to access up to 50 Rapid Eye units
HRER100	Software license to access up to 100 Rapid Eye units
HRER250	Software license to access up to 250 Rapid Eye units
HRER500	Software license to access up to 500 Rapid Eye units
HRERENT	Software license to access over 500 Rapid Eye units
HRER10M-11*	Software maintenance agreement fees for HRER10 for year 2011
HRER25M-11*	Software maintenance agreement fees for HRER25 for year 2011
HRER50M-11*	Software maintenance agreement fees for HRER50 for year 2011
HRER100M-11*	Software maintenance agreement fees for HRER100 for year 2011
HRER250M-11*	Software maintenance agreement fees for HRER250 for year 2011
HRER500M-11*	Software maintenance agreement fees for HRER500 for year 2011
HRERENTM-11*	Software maintenance agreement fees for HRERENT for year 2011

* Includes software upgrades and fixes for one year. First year support covers 15 months to allow for delivery, setup, and so on. Subsequent years cover 12-month periods.

FUSION IV

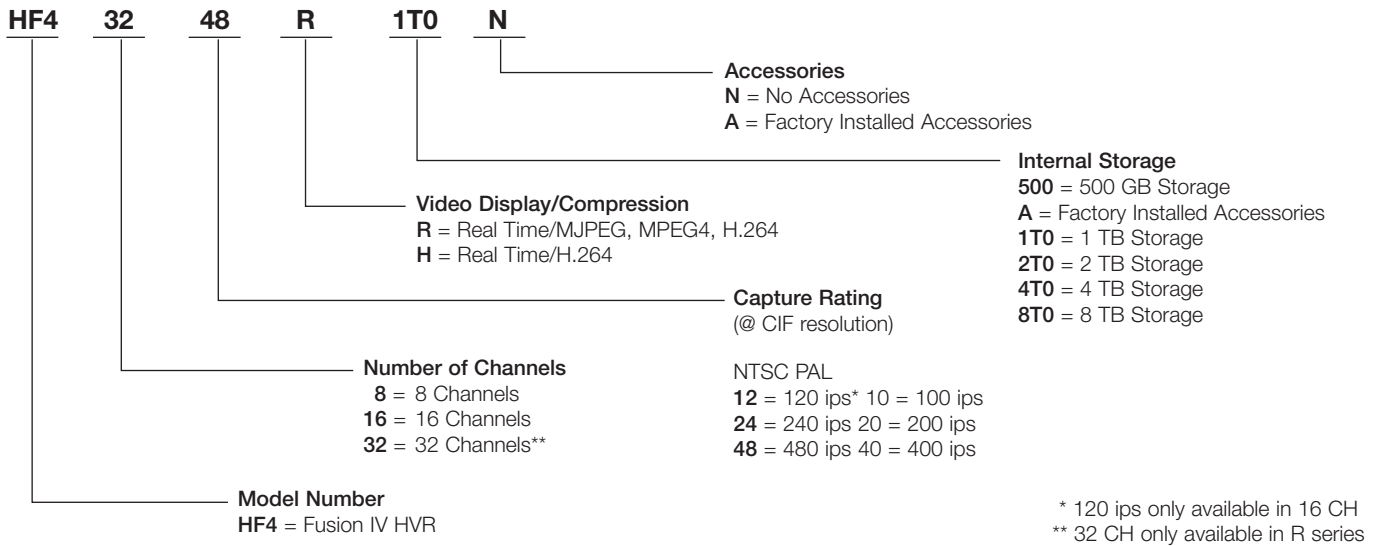


Fusion IV



- Up to 32 channels of analog and IP cameras
- Up to 480 ips
- Up to 8 TB (internal)
- Up to 16 TB (external)
- Windows® XP operating system

Fusion IV Ordering

Ordering



Hybrid Video Recorders Quick Reference Guide

	Rapid Eye™ Hybrid HD	Fusion IV
		
Analog Video Inputs	16 Looping, BNC	8 and 16 Looping, 32 – Looping optional
IP Streams	Up to a combined total of 16 channels of analog and IP cameras	Up to 8, 16, or 32 based on DVR channel capacity, number of cameras used for analog, and DVR resources (CPU/RAM etc.)
Video Analytics	Up to 8 Channels (Optional) Embedded Active Alert Video Analytics	Requires external analytics server
Data Capture (POS/ATM/ALARM)	Yes	Yes
Video Outputs (Local)	Main out: VGA/DVI-D, Spot out: BNC	Main out: VGA/DVI-D, Spot out: RCA
IPS Recorded	120, 480	120, 240, 480
Compression	Modified H.261/263 (Rapid Eye proprietary) IP camera codec (MPEG-4 and H.264)	MPEG-4, MJPEG, H.264
Record Resolution	320x180, 352x240, 640x360, 704x240, 704x480, 800x450, 1280x720 (IP format)	Analog: CIF 360x240, 2CIF 720x240, D1 720x480 IP: Camera dependent, up to 5 megapixel See Document 800-07870 for additional camera support details
Operating System	Linux	Windows XP embedded
Internal Storage	500 GB, 1 TB, field expandable up to 4 TB	500 GB, 1 TB, 2 TB, 4 TB, 8 TB
Audio Channels	2	4, 8 or 16 DVR model dependent, one audio output. See Fusion datasheet for details.
Alarm Inputs/ Control Outputs	16 inputs, 8 outputs, plus fault relay	8 – 8 channel 16 – 16 channel/32 channel
CD or DVD Drive	DVD-RW	DVD-RW
USB Ports	6 total (2 in front panel, 4 in rear panel)	8 ports
Dimensions (WxDxH)	17.28" x 20.85" x 5.23"	17.3" x 21.75" x 7.0"
Server Software		
Local User Interface	Yes	Yes
Graphical User Interface	Yes	Yes
Live Video	Yes	Yes
PTZ Control	Yes	Yes
Audio	Yes	Yes
Retrieve	Yes	Yes
Clip Generation	Video & audio	Video & audio
Searches	Motion, time & date, preview, object, status	Motion, preview, object, status, date & time, text
Remote Access Software	Included (HRM10VIEW)	Included (HFRVS & HFVMS)
Remote Access Software	Rapid Eye VIEW Software	Fusion HFRVS – Single site HFVMS – Multi-site
Maximum sessions per HVR – see product datasheets for details	Live video (all users) 32 streams	Up to 5 simultaneous sessions
Alarm Notification	Yes	Yes
OS Compatibility	Windows 7, Windows XP or Windows 2000	Windows XP, Windows Vista or Windows 7

Embedded Recorders

Honeywell's embedded digital video recorders (DVRs) are feature-rich, providing increased storage capacity, paramount picture quality and enhanced search capabilities.

All of our embedded DVRs can be accessed remotely so users can view their live video on their mobile device or PC, giving them the flexibility they want and need.



HRDP SERIES

HRDPX16

- 16 channels
- Up to 480 ips
- H.264 compression
- Up to 4 TB storage
- HFVMSP software for multi-site

HRDP16

- 16 channels
- Up to 240 ips
- H.264 compression
- Up to 4 TB storage
- HFVMSP software for multi-site

HRDP8

- 8 channels
- Up to 240 ips
- H.264 compression
- Up to 2 TB storage
- HFVMSP software for multi-site

HRDP4

- 4 channels
- Up to 120 ips
- H.264 compression
- Up to 1 TB storage
- HFVMSP software for multi-site



PERFORMANCE SERIES

HREP16

- 16 channels
 - Up to 240 ips
 - H.264 compression
 - Up to 2 TB storage
-








HREP8

- 8 channels
 - Up to 240 ips
 - H.264 compression
 - Up to 1 TB storage
-

HREP4

- 4 channels
- Up to 120 ips
- H.264 compression
- Up to 500 GB storage

Embedded Recorders Quick Reference Guide

	HRDP Series				Performance Series		
							
Model Number	HRDPX16	HRDP16	HRDP8	HRDP4	HREP16	HREP8	HREP4
Description	16 Channel	16 Channel	8 Channel	4 Channel	16 Channel	8 Channel	4 Channel
Part Numbers	HRDPX16D4T0 HRDPX16D2T0 HRDPX16D1T0	HRDP16D4T0 HRDP16D2T0 HRDP16D1T0 HRDP16D50	HRDP8D2T0 HRDP8D1T0 HRDP8D50	HRDP4D1T0 HRDP4D50	HREP16D2T HREP16D1T HREP16D500	HREP8D1T HREP8D500	HREP4F500
Number of Audio Channels	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output
Monitor Outputs	Main: VGA-1 Main: BNC-1 Spot: 1	Main: VGA-1 Main: BNC-1 Spot: 1	Main: VGA-1 Main: BNC-1 Spot: 1	Main: VGA-1 Main: BNC-1 Spot: 1	Main: DVI/VGA and BNC Spot: BNC-1	Main: DVI/VGA and BNC Spot: BNC-1	Main: DVI/VGA and BNC Spot: BNC-1
IPS Recorded	480 ips CIF 240 ips 2CIF 120 ips 4CIF	240 ips CIF 120 ips 2CIF 60 ips 4CIF	240 ips CIF 120 ips 2CIF 60 ips 4CIF	120 ips CIF 120 ips 2CIF 60 ips 4CIF	240 ips CIF 120 ips 2CIF 60 ips 4CIF	240 ips CIF 120 ips 2CIF 60 ips 4CIF	120 ips CIF 60 ips 2CIF 30 ips 4CIF
Recording Resolution NTSC	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480	CIF: 352 x 240 2CIF: 704 x 240 4CIF: 704 x 480
Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Storage	Up to 4 TB	Up to 4 TB	Up to 2 TB	Up to 1 TB	Up to 2 TB	Up to 1 TB	500 GB
Operating System	Linux	Linux	Linux	Linux	Linux	Linux	Linux
Remote Access (simultaneous connections)	Admin: 1 Watch & Search: 3	Admin: 1 Watch & Search: 3	Admin: 1 Watch & Search: 3	Admin: 1 Watch & Search: 3	4 Simultaneous Admin, User, Manager	4 Simultaneous Admin, User, Manager	4 Simultaneous Admin, User, Manager
Multi-site Software	Yes	Yes	Yes	Yes	No	No	No
Alarm Inputs/Outputs	16/4	16/4	8/4	4/4	4/1	4/1	4/1

Notes

Indoor Mini-Domes

HD3 Series and Performance Series indoor mini-domes are all-inclusive units, combining camera, lens, and housing into a single package that is easy to install, and a good fit for retail and commercial applications. Honeywell's indoor mini-domes are available in many different sizes, lens options and other configurations.

Honeywell's HD5 Series of indoor fixed mini-dome cameras is ideal for discreet fixed camera surveillance where high-quality video is necessary. Each unit combines a high-performance camera and full-sized lens into a small, aesthetically pleasing 5-inch dome. In-ceiling and pendant dome options are available with black or white trim ring finishes, and smoke or clear lower domes. Multiple lens options and multiple camera models are available.

HD3 SERIES

HD3U

- 3" Indoor
- Ultra Wide Dynamic
- 102 dB typical/120 dB max
- 540 TVL
- 2.8-10.5 mm lens
- 12 VDC/24 VAC



HD3D

- 3" Indoor
- True Day/Night
- 540 TVL
- 2.8-10 mm lens
- 12 VDC/24 VAC



HD3CHS

- 3" Indoor Color
- 540 TVL
- 2.8-10 mm lens
- 12 VDC/24 VAC



PERFORMANCE SERIES

HD61

- 3" Indoor
- Day/Night
- 20 IR LEDs
- 380 TVL
- 4-9 mm lens
- 12 VDC Only



HD60

- 3" Indoor
- Day/Night
- 24 IR LEDs
- 380 TVL
- 4 mm lens
- 12 VDC Only



HD40

- 2" Indoor Color
- 380 TVL
- 3.8 mm lens
- 12 VDC Only



Indoor Mini-Domes Quick Reference Guide

	HD3 Series			Performance Series		
	HD3U	HD3D	HD3CHS	HD61	HD60	HD40
Housing Color	Off White	Off White	Off White	Off White	Off White	Off White
Day/Night	Day/Night	True Day/Night (removable IR cut filter)	Day/Night	Day/Night	Day/Night	
Wide Dynamic Range	120 dB max					
Horizontal Resolution	540 TVL Super High Res	540 TVL Super High Res	540 TVL Super High Res	350 TVL Standard Res	380 TVL Standard Res	350 TVL Standard Res
Image Sensor	1/3" WDR with DPS imager	1/3" Sony Interline CCD	1/3" Super HAD2 Sony CCD	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD
S/N Ratio	50 dB	50 dB	50 dB	>50 dB (AGC Off)	>48 dB (AGC Off)	>50 dB (AGC Off)
Lens	Vari-focal Auto Iris (2.8-10.5 mm)	Vari-focal Auto Iris (2.8-10 mm)	Vari-focal Auto Iris (2.8-10 mm)	Vari-focal Manual Iris (4-9 mm)	Fixed (4 mm)	Fixed (3.8 mm)
Minimum Illumination	0.4 lux @F1.2	Day (0.4 lux), Night (0.00 lux, with external IR illumination)	0.2 lux	0.0 lux	0.0 lux	0.1 lux
Illumination				20 IR LED (850 nm, 30°)	24 IR LED (850 nm, 30°)	
IR LED Visible Range dependent on scene reflection				Max. 65 ft.	Max. 50 ft.	
Privacy Function				On/Off 4 programmable zones		
Motion Detection				On/Off 64 programmable zones		
Automatic Electronic Shutter	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second
Input Voltage	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC Only	12 VDC Only	12 VDC Only
Power Consumption	3.5 W (max)	3.5 W (max)	3.5 W (max)	4.5 W (max)	5 W (max)	2 W (max)
Dimensions (D x H)	5.08" x 4.02"	4.9" x 4.2"	4.9" x 4.2"	5.1" x 4.0"	5.1" x 4.0"	4.4" x 3.0"
Weight	1.86 lb	0.66 lb	0.66 lb	1.86 lb	0.8 lb	0.5 lb
Indoor Mount	no mount available	HD3-MK1 (White)	HD3-MK1 (White)			
Power Supplies	HPTV2404UL	HPTV2408UL	HPTV2416UL	HPT2420	HPT2440	HPT12DC500 HPT12DC1000



In-ceiling flush mount, black trim ring, smoke bubble shown

HD5 SERIES

- Highly customizable for your needs
- Camera models available:
 - 540 TVL High Resolution
 - 540 TVL Day/Night with DNR
 - 540 TVL Ultra Wide Dynamic Range
- Vari-focal lenses available:
 - Auto Iris: 2.7-13.5 mm or 5-50 mm
 - Manual Iris: 2.7-13.5 mm or 5-50 mm
- Dual 12 VDC/24 VAC voltage

Popular HD5 models shown here. See ordering chart on next page for additional models available.

HD5CC2DNF

- 540 TVL High Resolution
- 2.7-13.5 mm AI Vari-focal
- Flush Mount
- Coax
- Smoke Dome/White Trim

HD5CC3CNF

- 540 TVL High Resolution
- 2.7-13.5 mm MI Vari-focal
- Flush Mount
- Coax
- Smoke Dome/Black Trim

HD5UC2DNF

- 540 TVL
- 2.7-13.5 mm AI Vari-focal
- Flush Mount
- Wide Dynamic
- Coax
- Smoke Dome/White Trim

HD5UC3CNF

- 540 TVL Wide Dynamic
- 2.7-13.5 mm MI Vari-focal
- Flush Mount
- Coax
- Smoke Dome/Black Trim

HD5SC2DNF

- 540 TVL
- Day/Night
- DNR
- 2.7-13.5 mm AI Vari-focal
- Flush Mount
- Coax
- Smoke Dome/White Trim

HD5SC3CNF

- 540 TVL
- Day/Night
- DNR
- 2.7-13.5 mm MI Vari-focal
- Flush Mount
- Coax
- Smoke Dome/Black Trim

HD5CC5DNP

- 540 TVL High Resolution
- 5-50 mm AI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/White Trim

HD5CC6CNP

- 540 TVL High Resolution
- 5-50 mm MI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/Black Trim

HD5UC5DNP

- 540 TVL
- Wide Dynamic
- 5-50 mm AI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/White Trim

HD5UC6CNP

- 540 TVL
- Wide Dynamic
- 5-50 mm MI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/Black Trim

HD5SC5DNP

- 540 TVL
- Day/Night
- DNR
- 5-50 mm AI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/White Trim

HD5SC6CNP

- 540 TVL
- Day/Night
- DNR
- 5-50 mm MI Vari-focal
- Pendant Mount
- Coax
- Smoke Dome/Black Trim

For additional ordering information, see the ordering chart below or call Inside Sales at 1-800-796-2288.

Ordering	
Model	HD5
Camera	C 540 TVL High Resolution U 540 TVL Wide Dynamic S 540 TVL Day/Night DNR
CAT5 Option	C Coax T UTP
Lens	2 2.7-13.5 mm AI Vari-focal 3 2.7-13.5 mm MI Vari-focal 5 5-50 mm AI Vari-focal 6 5-50 mm MI Vari-focal 0 No lens
Mounting Kit	P Pendant Mount F Flush Mount O None
Format	N NTSC
Bubble/Trim Ring	A Clear Bubble/Black Trim B Clear Bubble/White Trim C Smoke Bubble/Black Trim D Smoke Bubble/White Trim O No Bubble

HD5 Cameras Quick Reference Guide			
	HD5C	HD5U	HD5S
Day/Night			Day/Night
Wide Dynamic Range		120 dB max	
Digital Noise Reduction			Yes
Horizontal Resolution	540 TVL Super High Res	540 TVL Super High Res	540 TVL Super High Res
Transmission Media	Coax, UTP	Coax, UTP	Coax, UTP
Image Sensor	1/3" Interline Transfer CCD	1/3" WDR digital image device	1/3" Interline Transfer CCD
Minimum Illumination	0.6 lux @ F1.3	0.4 lux @ F1.3	0.3 lux @ F1.3 (Color) 0.03 lux @ F1.3 (B/W) (Sens Up)
S/N Ratio	50 dB (AGC Off)	50 dB (AGC Off)	50 dB (AGC Off)
Auto Gain Control	On/off, switchable	Auto (0-36 dB maximum)	On/off, selectable
ALC	Direct Drive (DC) Auto Iris (only)	Direct Drive (DC) Auto Iris (only)	Direct Drive (DC) Auto Iris (only)
Automatic Electronic Shutter	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/120,000 second
White Balance	Selectable ATW/AWC	ATW/AWB/ATW Xtn/Manual	ATW/AWC/Manual
Line Lock Phase Adjust	Adjustable line lock vertical phase	Adjustable line lock vertical phase	Adjustable line lock vertical phase
Lens	2.7-13.5 mm Auto Iris Vari-focal, 2.7-13.5 mm Manual Iris Vari-focal, 5-50 mm Auto Iris Vari-focal, or 5-50 mm Manual Iris Vari-focal		
Gamma	0.45		
Input Voltage	12 VDC/24 VAC		
Power Consumption	3.5 W (max)		
Weight	0.88 lb (camera and lower bubble only)		
Mounting Options	HD5-MK2 (Flush mount kit) HD5-PK (Pendant mount kit)		
Power Supplies	HPTV2404UL	HPTV2408UL	HPTV2416UL HPT2420 HPT2440

Notes

Rugged, Indoor/Outdoor Mini-Domes

Honeywell's rugged, indoor/outdoor mini-dome cameras offer an excellent balance of durability and aesthetic appeal. With many different mounting and profile options, there is a Honeywell indoor/outdoor mini-dome to suit nearly every surveillance application.

HD4 SERIES

All HD4 Series cameras include: built-in breather vent, built-in heater, UTP and coax video output, 12 VDC/24 VAC

HD4DIRS

- DNR
- True Day/Night
- 600 TVL
- 18 IR LEDs
- 3.3-12 mm lens



HD4US

- Ultra Wide Dynamic
- True Day/Night
- 102 dB typical/120 dB max
- 690 HTVL
- 3.3-12 mm lens



HD4DAFS

- DNR
- True Day/Night
- 600 TVL
- 2.9-8.5 mm auto focus mechanical zoom lens



HD4D9S

- DNR
- True Day/Night
- 600 TVL
- 9-22 mm lens



HD4D3S

- DNR
- True Day/Night
- 600 TVL
- 3.3-12 mm lens



PERFORMANCE SERIES

HD73

- True Day/Night
- 530 TVL
- 20 IR LEDs
- 3.8-9.5 mm lens
- 12 VDC Only



HD70

- Day/Night
- 550 TVL
- 24 IR LEDs
- 4 mm lens
- 12 VDC Only



HD51

- Color
- 550 TVL
- 4-9 mm lens
- 12 VDC Only



HD50

- Color
- 530 TVL
- 3.8 mm lens
- 12 VDC Only



Rugged, Indoor/Outdoor Mini-Domes Quick Reference Guide

	HD4 Series					Performance Series			
	HD4DIRS	HD4US	HD4DAFS	HD4D9S	HD4D3S	HD73	HD70	HD51	HD50
Housing Color	Light Gray	Off White	Light Gray	Light Gray	Light Gray	Light Gray	Off White	Light Gray	Off White
Ultra Wide Dynamic		Ultra Wide Dynamic							
Day/Night	True Day/Night	True Day/Night	True Day/Night	True Day/Night	True Day/Night	True Day/Night	Day/Night		
Color/B&W								Color	Color
Horizontal Resolution	600 TVL	690 HTVL	600 TVL	600 TVL	600 TVL	530 TVL	550 TVL	550 TVL	550 TVL
Image Sensor	1/3" Sony Super HAD CCD II	1/3" WDR DPS imager	1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD II	1/3" Interline Transfer CCD	1/3" Interline Transfer CCD	1/3" Interline Transfer CCD	1/3" Interline Transfer CCD
S/N Ratio	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>48 dB (AGC Off)	>48 dB (AGC Off)	>50 dB (AGC Off)
Lens	Vari-focal Auto Iris (3.3-12 mm)	Vari-focal Auto Iris (3.3-12 mm)	Auto Focus Mechanical Zoom (1.9, 2.9-8.5 mm)	Vari-focal Auto Iris (9-22 mm)	Vari-focal Auto Iris (3.3-12 mm)	Vari-focal Auto Iris (3.8-9.5 mm)	Fixed (4 mm)	Vari-focal Auto Iris (4-9 mm)	Fixed (3.8 mm)
Minimum Illumination	0.0 lux	Day (0.4 lux), Night (0.0 lux)	Day (0.60 lux), Night (0.15 lux, with external IR illumination)	Day (0.4 lux), Night (0.24 lux)	Day (0.6 lux), Night (0.45 lux)	0.0 lux	0.0 lux	0.3 lux	0.3 lux
Illumination	18 IR LED (850 nm, 30°)					20 IR LED (850 nm, 30°)	24 IR LED (850 nm, 30°)		
IR LED Visible Range dependent on scene reflection	Max. 60 ft.					Max. 65 ft.	Max. 50 ft.		
Digital Noise Reduction	High/Medium/Low	High/Medium/Low	High/Medium/Low	High/Medium/Low	High/Medium/Low	High/Medium/Low/Off	High/Medium/Low/Off	High/Medium/Low/Off	High/Medium/Low/Off
Digital Slow Shutter	2X-128X		2X-128X	2X-128X	2X-128X				
Privacy Function	On/Off 4 programmable zones		On/Off 4 programmable zones	On/Off 4 programmable zones	On/Off 4 programmable zones	On/Off programmable zones	On/Off programmable zones	On/Off programmable zones	On/Off programmable zones
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Automatic Electronic Shutter	1/60-1/120,000 second	1/60-1/100,000 second	1/60-1/120,000 second	1/60-1/120,000 second	1/60-1/120,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second
Input Voltage	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC Only	12 VDC Only	12 VDC Only	12 VDC Only
Power Consumption	Max. 4.8 W (with IRs illuminated) Max. 13 W (with IRs illuminated, heater on)	Max. 3.5 W (heater off), Max. 13 W (heater on)	Max. 3.5 W (heater off), Max. 13 W (heater on)	Max. 3.5 W (heater off), Max. 13 W (heater on)	Max. 3.5 W (heater off), Max. 13 W (heater on)	4.5 W (max)	5 W (max)	3 W (max)	2 W (max)
Dimensions (D x H)	5.7" x 4.83"	5.74" x 4.06"	5.74" x 4.06"	5.74" x 4.06"	5.74" x 4.06"	5.71" x 3.98"	5.71" x 3.98"	5.71" x 3.98"	5.71" x 3.98"
IP Rating	IP66 rated	IP66 rated	IP66 rated	IP66 rated	IP66 rated	IP66 rated	IP66 rated	IP66 rated	IP66 rated
Weight	2.5 lb	2.5 lb	2.5 lb	2.5 lb	2.5 lb	1.86 lb	1.86 lb	1.86 lb	1.0 lb
Mounts	HD4CH-WK HD4CH-PK	HD4CH-WK HD4CH-PK	HD4CH-WK HD4CH-PK	HD4CH-WK HD4CH-PK	HD4CH-WK HD4CH-PK	HDPR-WK HDPR-PK	HDPR-WK HDPR-PK	HDPR-WK HDPR-PK	
Power Supplies	HPTV2404UL HPTV2408UL HPTV2416UL HPT2420 HPT2440	HPTV2404UL HPTV2408UL HPTV2416UL HPT2420 HPT2440	HPTV2404UL	HPTV2404UL HPTV2408UL HPTV2416UL HPT2420 HPT2440	HPTV2404UL HPTV2408UL HPTV2416UL HPT2420 HPT2440	HPT12DC500	HPT12DC500	HPT12DC500 HPT12DC1000 HD73 HD40 HD51 HD50	HPT12DC500

Notes

Bullet Cameras

Honeywell's discreet and stylish high-quality bullet-style cameras are designed with aesthetics, flexibility and ease of installation in mind. When ambient light drops below a certain point, a mechanical IR cut filter within the camera switches and the camera changes from color to black and white enabling color pictures to be captured by day, and clear black and white images at night. Our industry leading product offering includes models with polished aluminum enclosures, sun hoods, and integrated infrared illuminators.

HCD9 SERIES

HCD95534

- True Day/Night
- DNR
- 5-50 mm lens
- On screen display for quick camera setup
- >530 TVL
- 26 IR LEDs
- External lens adjustment



HCD92534

- True Day/Night
- DNR
- 2.8-10 mm lens
- >530 TVL
- 49 IR LEDs



PERFORMANCE SERIES

HB73

- True Day/Night
- DNR
- 3.8-9.5 mm lens
- 600 TVL
- 18 IR LEDs
- 12 VDC only



HB72B, HB72W, HB72S

- Day/Night
- 12 IR LEDs
- 12 VDC only
- 530 TVL
- 4.3 mm lens



HB71B, HB71S

- Day/Night
- 34 IR LEDs
- 12 VDC only
- 380 TVL
- 6 mm lens



HB70

- Day/Night
- 12 IR LEDs
- 12 VDC only
- 380 TVL
- 4.3 mm lens



Bullet Cameras Quick Reference Guide

	HCD9 Series		Performance Series			
	HCD95534	HCD92534	HB73	HB72B HB72W HB72S	HB71B HB71S	HB70
Housing Color	Silver	Silver	Silver	B = Black W = White S = Silver	B = Black S = Silver	Silver
Day/Night	True Day/Night	True Day/Night	True Day/Night	Day/Night	Day/Night	Day/Night
Horizontal Resolution	>530 TVL Super High Res	>530 TVL Super High Res	600 TVL Super High Res	530 TVL Super High Res	380 TVL Standard Res	380 TVL Standard Res
S/N Ratio	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>50 dB (AGC Off)	>48 dB (AGC Off)
Lens	Vari-focal Auto Iris (F1.6, 5-50 mm)	Vari-focal Auto Iris (F1.3, 2.8-10 mm)	Vari-focal DC Iris (3.8-9.5 mm)	Fixed (4.3 mm)	Fixed (6.0 mm)	Fixed (4.3 mm)
Minimum Illumination	0 lux	0 lux	Day (0.3 lux), Night (0 lux, IR LED On)	Day (0.3 lux), Night (0 lux, IR LED On)	Day (0.1 lux), Night (0 lux, IR LED On)	Day (0.3 lux), Night (0 lux, IR LED On)
Illumination	26 IR LED (850 nm, 30°)	49 IR LED (850 nm, 30°)	18 IR LED (850 nm, 30°)	12 IR LED (850 nm, 30°)	34 IR LED (850 nm, 15° and 30° mixed)	12 IR LED (850 nm, 30°)
IR LED Visible Range Dependent on Scene Reflection	Max. 150 ft.	Max. 100 ft.	Max. 65 ft.	Max. 45 ft.	Max. 45 ft.	Max. 45 ft.
Digital Noise Reduction	High/Medium/Low	High/Medium/Low	High/Medium/Low			
Digital Slow Shutter	2X-128X	2X-128X	32X max			
Automatic Electronic Shutter	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second
Input Voltage	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC	12 VDC	12 VDC	12 VDC
Power Consumption	15 W max with IR LEDs on	15 W max with IR LEDs on	4.2 W max with IR LEDs on	3.6 W max with IR LEDs on	3.6 W max with IR LEDs on	3.6 W max with IR LEDs on
IP Rating	IP66	IP66	IP65	IP65	IP65	IP65
Dimensions (D x H)	11.22" x 3.94"	11.22" x 3.94"	4.96" x 2.44"	4.04" x 1.97"	4.96" x 2.44"	4.04" x 1.97"
Weight	2.8 lb	2.8 lb	1.76 lb	1.3 lb	1.3 lb	1.3 lb
Power Supplies	HPTV2416UL (16 Output UL), HPTV2408UL (8 Output UL), HPTV2404UL (4 Output UL), HPT2440 (24 VAC, 40 VA) HPT2420 (24 VAC, 20 VA)		HPT12DC500 (12 VDC/500 mA Plug-in Regulated 2.1 mm Coaxial Plug, UL/CSA Certified)			

Box Cameras

Honeywell provides a comprehensive line of box cameras that offers the flexibility and versatility required by the most demanding customer. Our box cameras come in a variety of configurations and with a multitude of options, including Ultra Wide Dynamic, True Day/Night, high resolution color, miniature form factor, and black and white. Incredibly versatile, each can be mounted in various ways with one of several lens options.

BOX CAMERAS

HCD544

- True Day/Night
- Super High Resolution
- Color, Black and White



HCS544

- Software Day/Night
- Super High Resolution
- Color, Black and White



HCU484

- Ultra Wide Dynamic
- Software Day/Night
- High Resolution
- Color, Black and White

HCCM474M

- Software Day/Night
- Miniature
- High Resolution
- Color, Black and White



HCC474M

- Miniature
- High Resolution
- Color

Box Cameras Quick Reference Guide

	Standard and Compact Housing			Miniature	
	HCD544	HCS544	HCU484	HCCM474M	HCC474M
Housing Color	Cool Gray	Cool Gray	Cool Gray	Charcoal	Charcoal
Ultra Wide Dynamic			Ultra Wide Dynamic		
Day/Night	True Day/Night	Software Day/Night	Software Day/Night	Software Day/Night	
Color/B&W	Color/B&W	Color/B&W	Color	Color/B&W	Color
Horizontal Resolution	>540 TVL Super High Res	>540 TVL Super High Res	>480 TVL High Res	470 TVL High Res	470 TVL High Res
Image Sensor	1/3" CCD	1/3" CCD	1/3" WDR DPS imager	1/3" Interline Transfer CCD	1/3" Interline Transfer CCD
S/N Ratio	>50 dB (AGC off)	>50 dB (AGC off)	52 dB typical	50 dB (AGC off)	50 dB (AGC off)
Minimum Illumination	0.5 lux color 0.25 lux B/W	0.3 lux color 0.1 lux B/W	0.4 lux	0.4 lux color 0.1 lux B/W	0.4 lux
Digital Noise Reduction		High/Medium/ Low/Off			
Digital Slow Shutter		2X-128X			
Automatic Electronic Shutter	1/60-1/100,000 second	1/60-1/120,000 second	1/60-1/100,000 second	1/60-1/100,000 second	1/60-1/100,000 second
Input Voltage	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC
Power Consumption	4.5 W max	3.5 W max	2.5 W	3 W max	3 W max
Dimensions	2.64" x 2.44" x 4.53"	2.65" x 2.44" x 3.93"	2.65" x 2.44" x 3.93"	1.6" x 1.6" x 2.8"	1.6" x 1.6" x 2.8"
Weight	1.1 lb	1.1 lb	1.1 lb	.34 lb	.35 lb
Lenses - True Day/Night Vari-focal Auto Iris	HLD5V50DNL (5-50 mm) HLD27V13DNL (2.7-13.5 mm) HLD29V8DNL (2.9-8 mm)				
Lenses - Vari-focal Auto Iris		HLD5V50F13L (5-50 mm)	HLD28V8F95L (2.8-8 mm)	HLD25V6F12L (2.5-6 mm)	
Lenses - Vari-focal Manual Iris		HLM5V50F13 (5-50 mm)	HLM28V8F95 (2.8-8 mm)	HLM25V6F12 (2.5-6 mm)	
Indoor Mounts	HBC5WT (White) HBC5BK (Black)				
Indoor/Outdoor Mounts	HHMW13 (Wall Mount) HHMC21J (Ceiling "J" Mount)				
Environmental Housings	HHC12WM (with Wall Mount) HHC12WM2 (with Wall Mount and Heater Blower)				
Power Supplies	HPTV2416UL (16 Output UL)	HPTV2408UL (8 Output UL)	HPTV2404UL (4 Output UL)	HPT2440 (24 VAC, 40 VA)	HPT2420 (24 VAC, 20 VA)

Pre-Assembled Kits

Reduce installation time and effort with convenient factory assembled packages including camera, back-focused lens, housing, mounting hardware, power supply, wiring and conduit all in a single box. With these kits, all the work is done and the complete system is ready for installation. All you have to do is choose from several pre-packed kits for a complete outdoor or indoor solution.

SnapPak – OUTDOOR KITS

Outdoor camera installations are a snap with the SnapPak. SnapPak incorporates cameras for increased low-light sensitivity, resulting in better video performance, lower noise in pictures and increased storage capacity on most DVRs.

- Variable camera options to meet any application
- Aspherical DC Vari-focal Auto Iris lenses
- Versatile wall mount with hardware
- 12" easy access outdoor enclosure
- Die-cast aluminum housing
- HHC12WM2 12" enclosure, sunshield, heater/blower 24 VAC
- HPT2440 power supply



SnapPak Outdoor Kits Quick Reference Guide

IP			Analog				
	HKHCD54D5IP	HKHCD54D2IP	HKHCD54D550	HKHCD54D271	HKHCS54D550	HKHCS54D2713	HKHCS47D550
Housing Color	Cool Gray						
Camera	HCD554IP	HCD554IP	HCD544	HCD544	HCS544	HCS544	HCCM474M
Horizontal Resolution	>540 TVL Super High Res	>540 TVL Super High Res	>540 TVL Super High Res	>540 TVL Super High Res	>540 TVL Super High Res	>540 TVL Super High Res	470 TVL High Res
Day/Night	True Day/Night	True Day/Night	True Day/Night	True Day/Night	Day/Night	Day/Night	Day/Night
Lens	HLD5V50DNL	HLD27V13DNL	HLD5V50DNL	HLD27V13DNL	HLD5V50F13L	HLD27V13DNL	HLD5V50F13L
Housing	HHC12WM2						
Power Supply	HPT2440						
Input Voltage Heater/Blower	24 VAC						
Power Consumption	Heater 20 W Blower 3.4 W						
Dimensions	5.8" x 4.6" x 16"						
Weight	4.2 lb						

Outdoor Kit: Items Included

Description	Quantity
Box camera	1
Housing with heater/blower	1
3' length of 3/4" non-metallic flex liquid tight conduit	1
3/4" non-metallic liquid tight connectors	2
3-hole outdoor junction box with 3/4" access	1
Blank cover for junction box	1
Junction box mounting anchors	4
4' coax cable with BNC connectors	1
24 V 40 VA plug-in transformer	1
7' length of RJ45 CAT5 cable (IP kits only)	1
Mount	1

INDOOR KITS

These kits are pre-packaged with everything you need to make an indoor installation quick and easy. Choose your camera and your lens—and we'll include the correct mounting hardware to make your installation as simple as possible.

- Variable camera options to meet any application
- Aspherical DC Vari-focal Auto Iris lenses
- Versatile wall/ceiling mount with hardware



Indoor Kits Quick Reference Guide

	HKS544D550	HKS544D288	HKS544D271
Camera	HCS544	HCS544	HCS544
Horizontal Resolution	>540 TVL Super High Res	>540 TVL Super High Res	>540 TVL Super High Res
Day/Night	Day/Night	Day/Night	Day/Night
Lens	HLD5V50F13L	HLD28V8F9SL	HLD27V13DNL
Mount	HBC5WT		

Indoor Kit: Items Included

Description	Quantity
Box camera	1
Lens	1
Mount	1

Lenses

Honeywell offers world-class lenses for both indoor and outdoor performance. These lenses provide customers with the ability to see high contrast, clear and detailed pictures of subjects in daylight, low light and near infrared light. Designed with sophisticated optics for superior light gathering and the ability to work seamlessly with our camera line, Honeywell's lenses provide a complete surveillance solution with unsurpassed performance.

LENSES

HLD3V8MPD

- High definition
- Megapixel
- 3-8 mm lens



HLM45V13MPD

- High definition
- Megapixel
- 4.5-13.2 mm lens



HLD29V8DNL

- True Day/Night
- 2.9-8.0 mm lens



HLD27V13DNL

- True Day/Night
- 2.7-13.5 mm lens



HLD5V50DNL

- True Day/Night
- 5.0-50 mm lens



HLD25V6F12L

- Software Day/Night
- Color, B/W
- 2.5-6.0 mm Vari-focal Auto Iris lens



HLM25V6F12

- Software Day/Night
- Color, B/W
- 2.5-6.0 mm Vari-focal Manual Iris lens



HLD28V8F95L

- Software Day/Night
- Color, B/W
- 2.8-8.0 mm Vari-focal Auto Iris lens



HLM28V8F95

- Software Day/Night
- Color, B/W
- 2.8-8.0 mm Vari-focal Manual Iris lens



HLD5V50F13L

- Software Day/Night
- Color, B/W
- 5.0-50 mm Vari-focal Auto Iris lens



HLM5V50F13

- Software Day/Night
- Color, B/W
- 5.0-50 mm Vari-focal Manual Iris lens



Lenses Quick Reference Guide

	High Definition, Megapixel		True Day/Night			System Series Vari-focal					
	HLD3V8MPD	HLM45V13MPD	HLD29V8DNL	HLD27V13DNL	HLD5V50DNL	HLD25V6F12L	HLD28V8F95L	HLD5V50F13L	HLM25V6F12	HLM28V8F95	HLM5V50F13
Color	Black										
Recommended Camera Type	High definition, IP		True Day/Night			Software Day/Night, Color, B/W					
Image Format	1/4" 1/3"	1/4" 1/3"	1/3"								
Lens Mount	CS (Metal Mount)										
Focal Length	3.0-8.0 mm (2.7 X)	4.5-13.2 mm (2.9 X)	2.9-8.0 mm (2.7X)	2.7-13.5 mm (5X)	5.0-50 mm (10X)	2.5-6.0 mm (2.4X)	2.8-8.0 mm (2.8X)	5.0-50 mm (10X)	2.5-6.0 mm (2.4X)	2.8-8.0 mm (2.8X)	5.0-50 mm (10X)
Focus Range (MOD)	1.0"										
Angle of View			Wide: 94° 39' x 69° 29' Tele: 35° 13' x 26° 22'	Wide: 99° 42' x 74° 17' Tele: 20° 37' x 15° 30'	Wide: 51° 17' x 39° 36' Tele: 5° 30' x 4° 07'	Wide: 110° 00' x 80° 58' Tele: 46° 11' x 34° 34'	Wide: 99° 52' x 73° 17' Tele: 35° 14' x 26° 24'	Wide: 51° 59' x 39° 12' Tele: 5° 24' x 4° 05'	Wide: 110° 00' x 80° 58' Tele: 46° 11' x 34° 34'	Wide: 99° 52' x 73° 17' Tele: 35° 14' x 26° 24'	Wide: 51° 59' x 39° 12' Tele: 5° 24' x 4° 05'
Iris Control	1/4": DC Auto 1/3": 4-pin DC	Manual	4-pin DC						Manual		
Power Consumption	22 mA max								N/A		
Dimensions L x W x H	1.45" x 1.90" x 2.17"	1.65" x 2.40"	1.42" x 1.32" x 2.02"	2.21" x 1.59" x 2.19"	2.30" x 1.59" x 2.19"	1.42" x 1.32" x 2.02"	1.42" x 1.32" x 2.02"	2.48" x 1.59" x 2.19"	1.42" x 1.32" x 2.02"	1.42" x 1.32" x 2.02"	2.48" x 1.59" x 2.19"
Weight	2.2 oz	5.2 oz	1.6 oz	2.5 oz	3.0 oz	1.6 oz	1.8 oz	3.5 oz	1.1 oz	1.2 oz	3.3 oz
Compatible Cameras	HCD5MIH - IP, 720p, True Day/Night, H.264 Box Camera		HCD544 - Super High Resolution Box Camera HCD554IP - Super High Resolution IP Box Camera			HCU484 - Ultra Wide Dynamic, High Resolution Day/Night Box Camera HCCM474M - Day/Night, Miniature, High Resolution Box Camera HCC474M - Miniature, High Resolution Color Box Camera					

Notes

PTZ Domes

Honeywell manufactures a full line of leading-edge PTZ domes that offer world-class performance and seamless system integration.

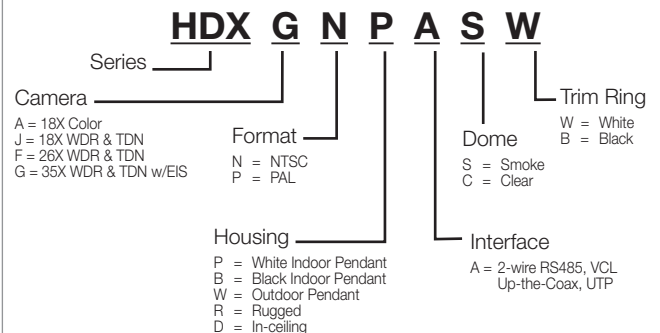
ACUIX™: The perfect PTZ choice for customers with the most demanding security needs. ACUIX is a feature-rich PTZ loaded with the latest value-added technology for 24/7 active surveillance operations.

ACUIX™ ES: The perfect PTZ choice for customers with applications that require less advanced PTZ features. ACUIX ES has the most popular functionality without the added expense of more advanced PTZ domes. ACUIX ES is competitively priced, so you don't pay for features you don't need.

All ACUIX PTZs feature Honeywell's IntelliBus™ technology that allows users to remotely upload firmware to all domes and permits secure storage of all camera settings such as labels, presets, tours, and privacy zones to the head end.



Ordering



Example:
HDXGNWACW =
35X WDR & TDN
w/EIS/NTSC/Outdoor
Pendant/Analog/
Clear/White

ACUIX™ PTZs Quick Reference Guide

Camera	35X	26X	18X	18X Color
Day/Night	True Day/Night	True Day/Night	True Day/Night	
Wide Dynamic Range	128X	128X	128X	
Color/B&W				Color
Electronic Image Stabilization	up to 12 dB suppression			
Lens	35X optical zoom, F3.4 (wide) to 119 mm (tele), F1.4 to F4.2	26X optical zoom, F3.5 (wide) to 91.0 mm (tele), F1.6 to F3.8	18X optical zoom, F4.1 (wide) to 73.8 mm (tele), F1.4 to F3.0	
Horizontal Resolution	>540 TVL, Super High Res	>530 TVL, Super High Res		>470 TVL, High Res
Image Sensor	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD
Digital Zoom	12X (420X total zoom)	12X (312X total zoom)	12X (216X total zoom)	
Angle of View (H)	55.8° (wide end) 1.7° (tele end)	54.2° (wide end) 2.2° (tele end)	48° (wide end) 2.8° (tele end)	
S/N Ratio	>50 dB			
Minimum Illumination	0.5 lux color, 0.05 lux B/W	1.0 lux color, 0.09 lux B/W	0.7 lux color, 0.01 lux B/W	0.7 lux color
Privacy Function	32 Dynamic Privacy Zones			
Presets per Dome	150			
Preset Tours	16 tours with up to 64 presets per tour			
Frame Rate	Up to 30 fps video in all resolutions			
Users	5 simultaneous unicast			
Automatic Electronic Shutter	1/2-1/30,000 second	1/1-1/10,000 second		
Input Voltage	24 VAC @ 50/60 Hz, Class 2 LPS			
Power Supplies	HPTV2401WPZ (24 VAC, 8 A with surge protection for power, video, and data, NEMA 4X enclosure) HPTV2401WPS (24 VAC, 8 A with surge protection for power and video, NEMA 4X enclosure)			

Housings	In-ceiling	Indoor	Outdoor	Rugged
Power Consumption	41 W Peak 29 W Idle	41 W Peak 29 W Idle	55 W Peak 41 W Idle	55 W Peak 41 W Idle
Housing Dimensions	6.7" H x 8.13" Dia	7.7" H x 9.3" Dia	7.7" H x 10.1" Dia	12.58" H x 10.52" Dia (with attached mount vertical) 11.04" H x 13.11" Dia (with attached mount horizontal)
Weights	6.0 lb	6.0 lb	6.7 lb	14.75 lb
Mounts		HDCM1 (Indoor only Ceiling Mount - Warm Gray)		
		HDXWM2 (Wall Mount - Warm Gray) HDPRM2 (Parapet & Flat Roof Mount)		
		HDXPMA1 (Pole Mount Adapter for HDXWM2 and Rugged Housing) HDXCMA1 (Corner Mount Adapter for HDXWM2 and Rugged Housing)		



In-Ceiling



Surface Mount



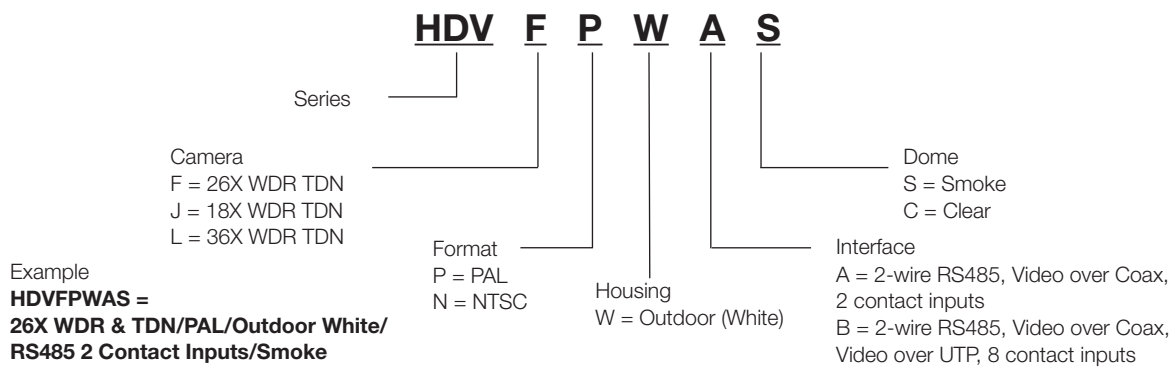
Indoor Pendant



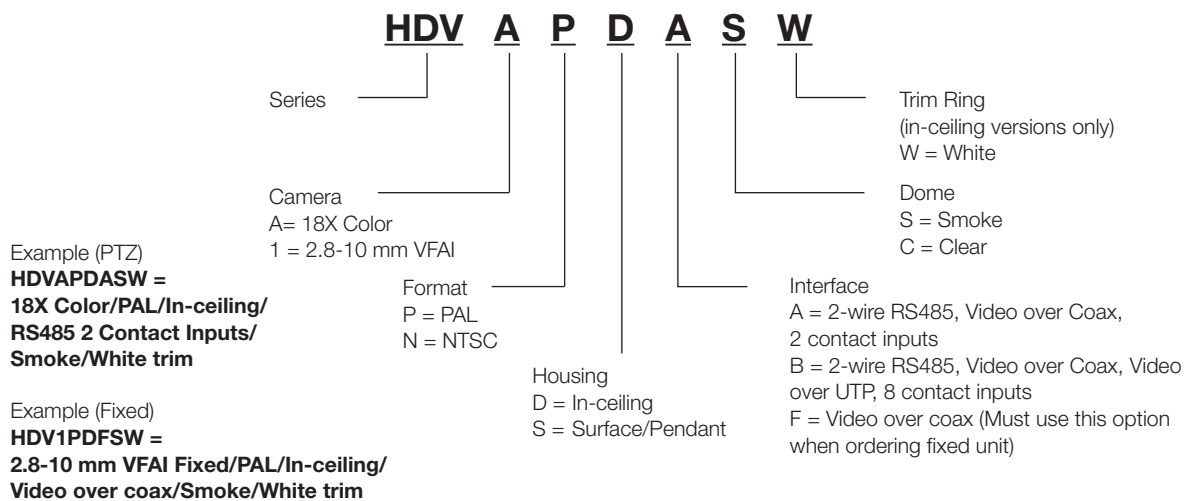
Outdoor Pendant

ACUIX™ ES PTZs

Ordering - Outdoor Models



Ordering - Indoor Models



ACUIX™ ES PTZs Quick Reference Guide

	In-Ceiling				Surface/Indoor Pendant			
Color	18X Color				18X Color			
Trim Ring Color	White							
Lower Dome Color	Clear	Smoke	Clear	Smoke	Clear	Smoke	Clear	Smoke
Interface	2 wire RS485 Video over Coax, 2 contact inputs		2 wire RS485 Video over Coax, Video over UTP, 8 contact inputs		2 wire RS485 Video over Coax, 2 contact inputs		2 wire RS485 Video over Coax, Video over UTP, 8 contact inputs	
Color/B&W	Color							
Lens	18X optical zoom, F4.1 (wide) to 73.8 mm (tele), F1.4 to F3.0							
Horizontal Resolution	>470 TVL High Res							
Image Sensor	1/4" Super HAD CCD							
Digital Zoom	12X (216X total zoom)							
Angle of View (H)	48° (wide end) 2.8° (tele end)							
S/N Ratio	>50 dB							
Minimum Illumination	1.0 lux color F1.4 @ 50 IRE							
Privacy Function	24 Privacy Zones							
Presets per Dome	64							
Preset Tours	3 tours with up to 24 presets per tour							
Mimic Tours	3 2-minute mimic tours							
Sector Identification	16 independent sectors or zones							
Angular travel	Horizontal: 360° Continuous Tilt: -2° Above horizontal to 90° Down							
Automatic Electronic Shutter	1/60-1/10,000 second							
Input Voltage	24 VAC @ 50/60 Hz, Class 2 LPS							
Power Consumption	15 W Peak							
Dimensions	Housing: 6.0" H x 8.13" Dia Lower Dome: 5.7" Dia				Surface Mount Housing: 5.0" H x 7.6" Dia tapering to 6.0" Dia Pendant Mount Housing: 6.6" H x 7.6" Dia tapering to 6.0" Dia Lower Dome: 5.7" Dia			
Weight	5.0 lb							
Mounting Method	7-5/8" dia. Mounting hole with 3 wing tabs				Surface mount on flat surface: can be recess mounted to reduce profile by 1.1" 1.5" NPT with included mount			
Indoor Mounts	HDVWM1 (ES only Wall Mount - Warm Gray)		HDCM1 (Indoor only Ceiling Mount - Warm Gray)		517082-7130 (7" Drop ceiling mounting plate)			
Power Supplies	HPTV2404UL (24 VAC, 4 A power supply) HPT2440 (24 VAC, 40 VA wall transformer)							

ACUIX™ ES PTZs Quick Reference Guide

Outdoor Pendant

Camera	36X	26X	18X Color
Housing Color	Warm Gray	Warm Gray	Warm Gray
Day/Night	True Day/Night	True Day/Night	True Day/Night
Wide Dynamic Range	128X	128X	128X
Electronic Image Stabilization	up to 12 dB suppression		
Lens	36X optical zoom, F3.4 (wide) to 122.4 mm (tele), F1.6 to F4.5	26X optical zoom, F3.5 (wide) to 91.0 mm (tele), F1.6 to F3.8	18X optical zoom, F4.1 (wide) to 73.8 mm (tele), F1.4 to F3.0
Horizontal Resolution	>530 TVL Super High Res	>530 TVL Super High Res	>530 TVL Super High Res
Image Sensor	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD
Digital Zoom	12X (432X total zoom)	12X (312X total zoom)	12X (216X total zoom)
Angle of View (H)	57.8° (wide end) 1.7° (tele end)	54.2° (wide end) 2.2° (tele end)	48° (wide end) 2.8° (tele end)
S/N Ratio	>50 dB		
Minimum Illumination	1.4 lux color (F1.6 50 IRE)	1.0 lux (F1.6 50 IRE)	0.7 lux (F1.4 50 IRE)
Privacy Function	24 Dynamic Privacy Zones		
Presets per Dome	64		
Preset Tours	3 tours with up to 24 presets per tour		
Automatic Electronic Shutter	1/1-1/10,000 second		
Input Voltage	24 VAC @ 50/60 Hz, 12 VDC		
Power Consumption	40 W Peak 15 W Idle		
Dimensions	7.66" H x 10.0" Dia		
Weight	6.6 lb		
Mounting Method	Pendant Only		
Outdoor Mounts	HDXWM2 (Wall Mount - Warm Gray) HDPRM2 (Parapet & Flat Roof Mount) HDXPMA1 (Pole Mount Adapter for HDXWM2) HDXCMA1 (Corner Mount Adapter for HDXWM2)		
Power Supplies	HPTV2401WPZ (24 VAC, 8 A with surge protection for power, video, and data, NEMA 4X enclosure) HPTV2401WPS (24 VAC, 8 A with surge protection for power and video, NEMA 4X enclosure)		

Notes

Specialty Cameras

The ExitView® Series is designed to help prevent shrinkage, robberies and other retail losses by capturing clear, high quality images and measuring heights with a functional height strip. The ExitView is also discreet, with décor-matching options, and is pre-focused, making installation an easy process.

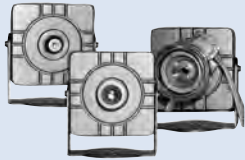
The HCBWD Series cameras offer 1/3" CCD Digital Signal Processing (DSP) and Wide Dynamic (WD) technology with a compact 1.73" x 1.73" (44 mm x 44 mm) footprint. The ultra small size makes this camera an ideal choice when space is a constraint. Each HCBWD camera captures visible details in areas where both very bright and dark scenes exist. Plus, you can choose from a wide range of lens sizes for distance and application, with Vari-focal, Auto Iris and fixed lens options.



- High performance 1/3" CCD camera
- 350 TVL
- 3.7 mm semi-pinhole lens F2.0
- Sensitivity: 0.9 lux @ F2.0
- Field of View: 66° H X 52° V
- For an extended field of view, an optional 15° angled adapter is available
- Available in silver or black, with or without the height strip markings, to blend with your décor
- Comes pre-focused from the factory and includes a 12 VDC power supply

ExitView® Series Quick Reference Guide				
	HSS37NS	HSB37NS	HSS37NB	HSB37NB
Housing Color	Silver	Black	Silver	Black
Height Strip	Yes	Yes	No	No
Color/B&W	Color			
Lens	3.7 mm			
Horizontal Resolution	350 TVL, Standard Res			
Angle of View	85° x 66° x 52°			
Image Sensor	1/3" CCD			
S/N Ratio	50 dB (AGC off)			
Minimum Illumination	0.9 lux			
Automatic Electronic Shutter	1/60-1/100,000 second			
Input Voltage	12 VDC			
Power Consumption	1.8 W			
Dimensions	1.9" x 1.2" x 34.25"			
Weight	1.4 lb			
Power Supplies	HPTV3DC04	HPTV5DC08	HPTVDC16	
ExitView Accessories				
15° Angle Adaptors	HSSAM (Silver)		HSBAM (Black)	
Replacement Windows	HSWRKIMP (Silver)		HSWRKBLK (Black)	

HCBWD SERIES CAMERAS & LENSES



Cameras



**Vari-focal
Auto Iris Lens**

- 1/3" Interline Double Speed CCD
- 480 TVL
- Compact size
- Excellent low-light capability
- Dynamic range is 128 times wider than conventional cameras
- Flexible offering utilizing Quick Change Lens Series
- 12 VDC or 24 VAC (with supplied 24 VAC to 12 VDC converter)
- U-bracket for mounting (included)

HCBD Series Cameras Quick Reference Guide

	HCBDHR30	HCBDHR37	HCBDHR43	HCBDHR00	HCBDHRVF
Housing Color	Black				
Color/B&W	Color				
Wide Dynamic	Wide Dynamic				
Lens	3.0 mm	3.7 mm	4.3 mm	Quick Change Fixed Lens – <i>see below</i>	Quick Change Vari-focal Lens – <i>see below</i>
Horizontal Resolution	480 TVL, High Res				
Image Sensor	1/3" Interline Double Speed Color CCD				
S/N Ratio	>50 dB (AGC off)				
Minimum Illumination	1.0 lux				
Automatic Electronic Shutter	1/60-1/100,000 second				
Dynamic Range	64 dB (approx)				
Input Voltage	12 VDC / 24 VAC				
Power Consumption	3.4 W max				
Dimensions	1.73" x 1.73" x 0.66"				
Weight	0.176 lb				
Power Supplies	HPT2420 HPT12DC500				

HCBD Series Quick Change Lenses Quick Reference Guide

	Vari-Focal Auto Iris			Fixed						
	HLQAV1	HLQAV2	HLQAV3	HLQ029	HLQ036	HLQ060	HLQ080	HLQ120	HLQ160	HLQVP4
Color	Black			Black						
Image Format	Fixed			1/3"						
Lens Mount	M13 Threaded			M12						
Focal Length	4-9 mm	2.6-6 mm	9-22 mm	2.9 mm	3.6 mm	6.0 mm	8.0 mm	12.0 mm	16.0 mm	Variety Pack
Angle of View	H 99.8° - 48.1° W 75.3° - 36.2°	H 68.0° - 32.1° W 50.2° - 24.1°	H 29.0°-13.0° W 21.7°- 9.7°	H 90° W 67°	H 74° W 55°	H 42° W 32°	H 32° W 24°	H 22° W 17°	H 15° W 11°	2.9, 3.6, 6.0, 8.0 mm
Back Focus Length	6.0-10.3 mm	6.6-10.8 mm	6.7-10.1 mm	5.5 mm	5.7 mm	6.4 mm	8.5 mm	9.2 mm	12.3 mm	
F-Stop	F1.4	F1.5	F2.0	F2.0						
Weight	.16 lb			.11 lb						

Video Analytics

Today's security market demands highly sophisticated technologies, and Honeywell's innovative video analytics solutions deliver the required functionality to solve customer problems. Honeywell's analytic capabilities increase productivity, improve security, reduce shrinkage, enhance customer service and increase operational efficiencies.



Perimeter Protection



Restricted Area

ACTIVE ALERT®

Honeywell's Active Alert software analyzes the behavior of individuals and vehicles to provide real-time alarms and search tools that enhance manned and unmanned video surveillance systems.



Loitering

Features:

- Reports 35+ actionable events and behaviors
- Tracks up to 20 targets in each camera view
- Enables user-defined event and alarm settings for each camera view

Benefits:

- Increases productivity – By alerting only suspicious behavior, a single operator is able to monitor a larger area
- Improves security – Automating the continuous surveillance process significantly reduces missed detections and enables faster response time
- Controls costs – Only activities of interest are alerted, virtually eliminating false alarms
- Improves efficiency – Powerful forensic tools enable easy incident retrieval in seconds
- Improves operations – Provides key information for better business decision making

Active Alert Licenses	
Part Number	Description
Rapid Eye Active Alert Licenses – Factory Installed	
HAABR	Rapid Eye Active Alert Video Analytics License – Active Alert Base Single Channel
HAASR	Rapid Eye Active Alert Video Analytics License – Active Alert Standard Single Channel License
HAAPR	Rapid Eye Active Alert Video Analytics License – Active Alert Premium Single Channel
Server Active Alert Licenses	
HAAB	Active Alert Base Single Channel License
HAAS	Active Alert Standard Single Channel License
HAAP	Active Alert Premium Single Channel License
Servers – Software Loaded at the Factory	
HA8SRVRT3	8 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVRT3	16 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVR3	16 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included)
HA24SRVR3	24 Channel 2U Rackmount, Dell Poweredge R710, 570W, will fit 3 HACARDPAC2 (not included)
Server – Accessories	
HACARDPAC2	Euresys™ Picolet Alert™ Compact frame grabber PCI Express Card for 8 analog inputs (must use with HACARDCAB8)
HACARDCAB8	Euresys 8 port spider cable for Picolet Alert Compact Card (HACARDPAC and HACARDPAC2)
100-00504	USB-based 8 Form C relays and 8 high voltage inputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)
100-00473	USB-based 24 Form C relays electromechanical 6 A outputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)

Active Alert Software Packages:

- **Active Alert Base**
Identifies and classifies the most common user defined events and behaviors, and provides basic perimeter intrusion detection.
- **Active Alert Standard**
All the benefits of Active Alert Base, plus tracking of up to 20 objects in a scene and automatically alarming on more than 28 different events, incidents and behaviors.

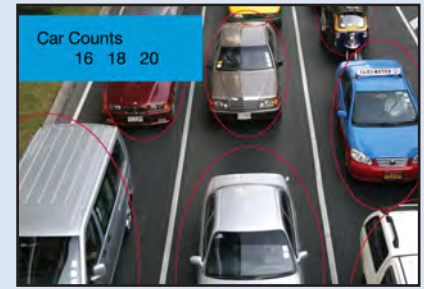
- **Active Alert Premium**
All the benefits of Active Alert Standard, plus additional analytics such as abandoned object, removed object and possible theft functionality for high-risk facilities and locations.



Tracking customer behavior



High accuracy two-way entry/exit counts at key points



Car counting

SMART IMPRESSIONS®

Honeywell's Smart Impressions® software provides data that enables end users to better understand their operations and potential revenue opportunities. Smart Impressions reports on both people and vehicle activity and provides crucial information that helps you make the best use of your resources to increase sales.

- Instant photo summaries of shopping and traffic patterns
- Immediate awareness of trends
- Flexible reporting format for easy visualization and import to other documents

PEOPLE ACTIVITY:

By counting and reporting the number of people entering and exiting as well as providing dwell time and entering target zone data, managers can better understand their closing ratio and opportunities for operational improvements.

Use Smart Impressions to:

- Increase customer service during key selling periods
- Reduce costs during slow selling periods
- Determine effectiveness of advertising expenses and promotional campaigns
- Determine effectiveness of merchandising and displays

VEHICLE ACTIVITY:

The ability of Smart Impressions to count vehicles adds a new dimension in analyzing roadway and parking operations including design, safety, revenue opportunities and the detection of problems and deficiencies. Use Smart Impressions to:

- Collect data for roadway design
- Plan roadway improvements and maintenance
- Estimate revenue
- Synchronize signal timing

APPLICATIONS:

Smart Impressions reports on the following events to help organizations increase revenues and plan more effectively:

Counting Events

- Person counted as entering
- Person counted as exiting
- Car entered lot
- Car exited lot
- Car counted in lane

Zone Data Events

- Entering target zone [merchandising]
- Staying in target zone [dwell time]

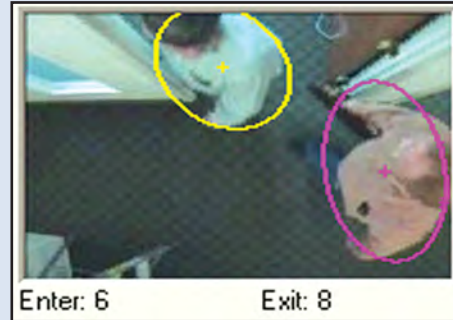
Video/Camera Events

- Video signal lost
- Video signal restored
- Camera tamper detection

Smart Impressions Licenses	
Part Number	Description
Rapid Eye Active Alert, Smart Impressions Licenses – Factory Installed	
HASIR	Rapid Eye Active Alert License – Smart Impressions Single Channel License
Server Smart Impressions Licenses	
HASI	Smart Impressions Single Channel License
Servers – Software Loaded at the Factory	
HA8SRVRT3	8 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVRT3	16 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVR3	16 Channel 1U Rackmount, Dell Poweredge R610, 502W, will fit 2 HACARDPAC2 (not included)
HA24SRVR3	24 Channel 2U Rackmount, Dell Poweredge R710, 570W, will fit 3 HACARDPAC2 (not included)
Server – Accessories	
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100-00504	USB-based 8 Form C relays and 8 high voltage inputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)
100-00473	USB-based 24 Form C relays electromechanical 6 A outputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)

PEOPLE COUNTER

People Counter accurately automates the gathering of data relating to people entering and exiting a specific area or entrance providing valuable operational data for business optimization.



High accuracy two-way
entry/exit counts at key points

By counting and reporting the number of people entering and exiting a specific area, managers can better understand their closing ratio and identify opportunities for improvement. Combining traffic data with other operational data provides end users with the methodology to accurately increase customer service during key selling periods, reduce costs during slow selling periods, and determine effectiveness of advertising expenses and promotional campaigns.

- Directional counting gives users the ability to count people entering and exiting
- Powerful custom reports to enable statistical analysis of people traffic
- High performance software that minimizes the need for excessive PC hardware
- Powerful onsite or remote configuration capabilities

APPLICATIONS:

People Counter reports on the following events to help organizations increase revenues and plan more effectively:

Counting Events

- Person counted as entering
- Person counted as exiting

Video/Camera Events

- Video signal lost
- Video signal restored
- Camera tamper detection

People Counter Licenses	
Part Number	Description
Rapid Eye Active Alert, People Counter Licenses – Factory Installed	
HAACR	Rapid Eye Active Alert License – People Counter Single Channel License
Server People Counter Licenses	
HAAC	People Counter Single Channel License
Servers – Software Loaded at the Factory	
HA8SRVRT3	8 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
HA16SRVRT3	16 Channel Mini Tower, Dell Precision T3500 525W, will fit 2 HACARDPAC2 (not included)
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Server – Accessories	
HACARDPAC2	Euresys™ Pico Alert™ Compact frame grabber PCI Express Card for 8 analog inputs (must use with HACARDCAB8)
HACARDCAB8	Euresys 8 port spider cable for Pico Alert Compact Card (HACARDPAC and HACARDPAC2)
100-00504	USB-based 8 Form C relays and 8 high voltage inputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)
100-00473	USB-based 24 Form C relays electromechanical 6 A outputs (Versions earlier than HVS 4.8 can only use 1 per analytics server)

Video Analytics Quick Reference Guide

Intelligent Video Analytics	Active Alert Base	Active Alert Standard	Active Alert Premium	Smart Impressions	People Counter
PEOPLE EVENTS					
Person entered restricted area	X	X	X		
Person exited restricted area	X	X	X		
Person entered sterile zone		X	X		
Person loitering in restricted area		X	X		
Person started moving in wrong direction	X	X	X		
Person stopped moving in wrong direction	X	X	X		
Person on fence line		X	X		
Person started running			X		
Person stopped running			X		
People converged		X	X		
People passed by		X	X		
Person trespassing—tripwire	X	X	X		
Person running in wrong direction			X		
CAR TRAFFIC EVENTS					
Car started moving in wrong direction	X	X	X		
Car stopped moving in wrong direction	X	X	X		
Car entered restricted area	X	X	X		
Car parked in restricted area		X	X		
Car entered sterile zone		X	X		
Car speeding			X		
Car made illegal u-turn		X	X		
Car parked in handicapped zone		X	X		
Car pulled off road		X	X		
Car needs assistance		X	X		
Car exited restricted area	X	X	X		
Car trespassing—tripwire	X	X	X		
VIDEO/CAMERA EVENTS					
Video signal lost	X	X	X	X	X
Video signal restored	X	X	X	X	X
Camera tamper detection	X	X	X	X	X
COUNTING EVENTS					
Person counted as entering		X	X	X	X
Person counted as exiting		X	X	X	X
Car entered lot		X	X	X	
Car exited lot		X	X	X	
Car counted in lane			X	X	
PREMIUM EVENTS					
Object left unattended			X		
Object removed			X		
Possible theft			X		
BUSINESS OPTIMIZATION					
Entering target zone [merchandising]				X	
Staying in target zone [dwell time]				X	

Notes

Data Analytics

Honeywell's IDM (Integrated Data Manager) software associates video with business operations data to pinpoint suspicious activity and provide information for improving overall business operations. IDM is ideal for retail, banking and gaming applications.



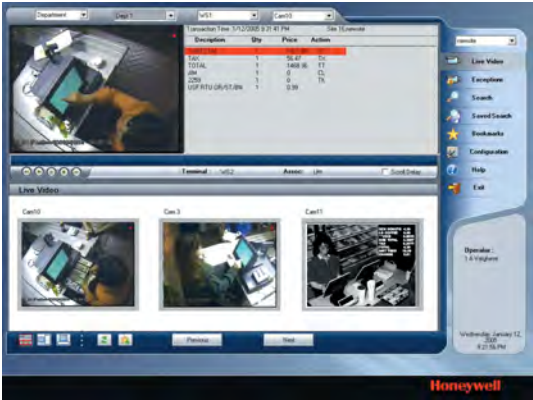
IDM (INTEGRATED DATA MANAGER)

Features:

- Real-time exceptions reporting on transactions such as voids, no sale, coupons and discounts
- 31 concurrent clients enable remote site viewing and multiple venue comparisons
- Search and report on any data (transaction, SKUs, product, cash register, etc.) to view associated video
- Instantaneous email reports and exceptions
- Extensive trending by graphic for any report; drill down to actual occurrence

Benefits:

- Increase profitability through reduced shrink – Address under-rings, voids, sweethearting (collusion) and other fraudulent activity
- Improve inventory management – Reduce shrinkage and employee errors resulting in greater inventory accuracy
- Enhance security management – Enterprise and remote access facilitates centralized management of multiple departments, stores and regions
- Increase management effectiveness and staff productivity – Reduce errors by eliminating manual analysis and identify trends, exceptions and training requirements



IDM Software Packages:

Enterprise Edition (IDM EE) – enables direct IP data access to the data server (e.g., POS server, etc.)

Professional Edition (IDM ProE) – intended to be used with SmartPIT (HASMPIT) enabling ATM and serial POS data access



IDM Hardware:

HASMPIT

The SmartPIT™ (HASMPIT) is three products in one:

- IP ATM interface text inserter – extracts IP data from ATM receipts and forwards it to a Honeywell DVR for storage in order to correlate video of the transaction to text data from the ATM receipt
- POS interface text inserter – extracts ECR receipt data and forwards it to a DVR or IDM for storage in order to correlate video of the client and POS operator to text data of the POS transaction
- PTZ protocol interface and translator – uses IntelliBus™ protocol to add a new ACUIX™ PTZ to existing VideoBloX systems and MAXPRO-Net CPU systems

Data Analytics

Integrated Data Manager (IDM)

KEY FEATURES

KPI analysis by comparing anomalies by location, terminal (cash register, ATM, etc.), operator, transaction code, product, SKU, etc.
Support for POS, ATM, gaming and other text terminals
Real-time, user-defined, exceptions and reporting
E-mailing all reports, instantaneously or scheduled
E-mailing all exceptions, instantaneously or scheduled
Extensive trending by graphing all reports, drill down to actual occurrence
Monitoring, analyzing or reporting by logical groups of cameras (user defined)
Monitoring, analyzing or reporting by departments (logical groups for terminals user defined)
Remote site monitoring: simultaneous monitoring of multiple sites worldwide (thousands of terminals)
Pre- and post-video Titler support
IDM Player for viewing evidence (video, text, audio and case notes)
Selective recording
Remote site configuration
Extensive search and playback
Multiple modes of communication to devices (TCP/IP, RS232, UDP)
User-defined roles and access privileges

Data Analytics Ordering	
Part Number	Description
IDM Enterprise Edition (EE) Installed on Fusion IV – TCIP Access to POS Server	
HAIDMEFPKG	Fusion IV factory installed – IDM EE on Honeywell DVR Licenses to support up to 4 POS terminals, DVR ordered separately
HAIDMETADDSW	Fusion IV factory installed – Additional IDM EE terminal licenses for HAIDMEFPKG, 1 add-on terminal license
IDM Enterprise Edition (EE) Installed on Server/Workstation - TCIP Access to POS Server (Rapid Eye Active Alert, Rapid Eye Multi-Media DSP v9, Rapid Eye Multi-Media v7, Rapid Eye Multi-Media LT v7, HRXD, HRSD and HRDP DVRs)	
HESRVRE3-IDM	Server with IDM EE software factory installed License to support up to 4 POS terminals
HAIDMEPKNI	Field installed IDM EE software License for a single server and up to 4 POS terminals
HAIDMETADDNI	Field installed additional IDM EE terminal licenses For HAIDMEPKNI, 1 add-on terminal license
IDM Enterprise Edition (EE) Software Support	
HAIDME1YSP	IDM EE 1 Year Software support and Maintenance, per terminal
IDM Enterprise Edition (EE) – MAXPRO-Net Interface	
HAIDMMAXOPS	IDM interface to MAXPRO-Net
HAIDMMAX1YSP	Annual support for IDM interface to MAXPRO-Net
IDM Enterprise Edition (EE) – Slot Machines	
HAIDMSLOTS1K	HESRVRE3 server with IDM EE software factory installed and licensed to support up to 1000 IGT slot machines
HAIDMSLOTS5	Slot interface for 500 additional slot machines; must have HAIDMSLOTS1K
HAIDMSLOT1YSP	Annual support for slot machine interface (HAIDMSLOTS1K)
HAIDMSLOTSIVS	HESRVRE3 server with IDM EE software factory installed and licensed to support up to 5 IGT Ticket-In Ticket-Out (TITO) kiosks
IDM Enterprise Edition (EE) - People Counter Integration	
HAIDMPPLCTR	1 station (data point) license for IDM and People Counter integration; must have HAACBASE (Video Analytics People Counter)
HESRVRE3IDM-CSI	IDM Server to be used for larger or multiple IDM applications (e.g. IDM People Counter)
IDM Professional Edition (ProE) installed on Fusion IV – TCIP Access to POS Server	
HAIDMPFPKG	Fusion IV factory installed – IDM ProE on Honeywell DVR Licenses to support up to 1 POS terminal, DVR ordered separately
HAIDMPTADDSW	Fusion IV factory installed – additional IDM ProE terminal licenses For HAIDMPFPKG, 1 add-on terminal license
IDM Professional Edition (ProE) installed on Workstation/Server - SmartPIT hardware access to POS Server (Rapid Eye Active Alert, Rapid Eye Multi-Media DSP v9, Rapid Eye Multi-Media v7, Rapid Eye Multi-Media LT v7, HRXD, HRSD and HRDP DVRs)	
HAIDMPPKNI	Field installed - IDM ProE software License for a single server and 1 POS terminal
HAIDMPTADDNI	Field installed additional IDM ProE terminal licenses For HAIDMPPKNI, 1 add-on terminal license
IDM Professional Edition (ProE) Software Support	
HAIDMP1YSP	IDM ProE 1 Year Software support and Maintenance, per terminal
Data Analytics Hardware	
HASMPIT	SmartPIT POS/ECR or ATM text inserter and PTZ protocol translator, compatible with NTSC or PAL video formats

Notes

Encoders/Decoders

Encoders upgrade analog video signals to digital format for transmission over a digital network while decoders convert digital video signals to analog format.



HE8N240E4

- 8 channel encoder
- To be used exclusively with Enterprise NVR software
- Uses MPEG-4 or H.264 compression
- Dual stream support @ 4+1CIF per channel
- Capable of 30 fps (true frames) per channel
- Dual power supply option and dual NIC
- Supports Ethernet multicasting
- Supports synchronized audio and video
- 8 alarm inputs
- 8 relay outputs
- 8 channels audio
- RS232 and RS485 PTZ control port
- Management application for configuration

HE130D

- Single channel encoder/decoder
- To be used exclusively with Enterprise NVR software or in standalone encode decode application
- Uses MPEG-2 or MPEG-4 compression
- 30 fps @ 4CIF, 1 video in, 1 video out
- 1 digital input, 1 digital output
- Serial port, RS232/422/485, bi-directional

HE130PD

- Analog decoder, PCI card
- To be used exclusively with Enterprise NVR software
- Decode digital streams from Enterprise stations to analog



HNVE1

HNVE1

- Single channel encoder
- Real-time encoding 30 fps at 4CIF
- Supports MPEG-4
- PTZ camera control with support for Diamond, VCL, IntelliBus, Pelco D&P and transparent channel
- 2-way audio
- One alarm input; one alarm output
- Analog video loopback
- Built-in web server for configuration and control of PTZ operation
- Supports static IP and DHCP
- POE device (802.3af compliant)
- Built-in scene analytics supporting blur, blinding and scene change

Keyboards and Controllers

Keyboards are a critical component of the matrix switching system, enabling better control, ease-of-use, and access to all the functionality of the matrix switch systems.

CCTV peripheral control is managed by intelligent keyboard controllers that interface directly to PTZ domes, DVRs or multiplexers.

UltraKey



UltraKey Plus HJK7000

- Programmable color touch screen display
- Keyboard with multiple connectivity options (RS232/422/485 and TCP/IP)
- Programmable "Touch Wheel" for DVR/NVR control
- Web browser for easy upgrading and configuring
- MAXPRO-Net and VideoBloX compatible



UltraKey Lite HJC5000

- Keyboard with multiple connectivity options (RS232/422/485 and TCP/IP)
- Web browser for easy upgrading and configuring
- MAXPRO-Net and VideoBloX compatible



UltraKey Touch HJC4000

- DVR and PTZ dome camera controller
- Keyboard with multiple connectivity options (RS232/485)
- Web browser for easy upgrading and configuring
- ACUIX™ and HDT PTZ compatible
- HRXD, HRSD, and Fusion DVRs compatible

HDCCD8TP

- 8-way RS485/RS232 to RS485 bidirectional distribution box

HDCCD8TP

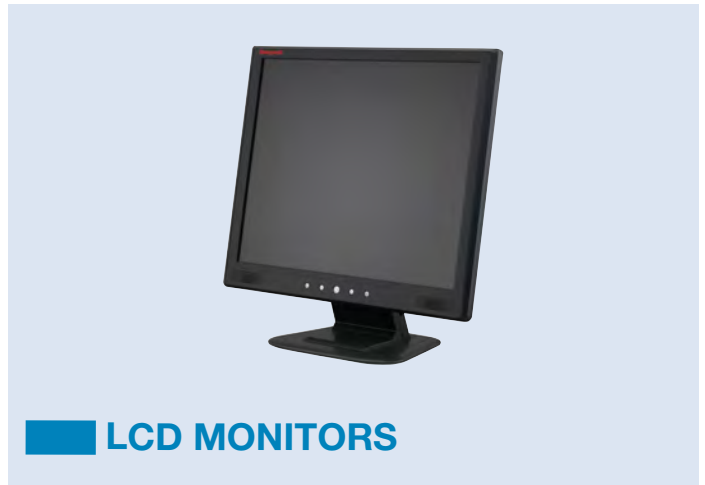


- Front panel LEDs indicate data transmitted to and from the receivers
- Daisy-chain multiple HDCCD8TP units provide additional outputs for each receiver
- Use to connect multiple PTZs to one PTZ controller

Keyboards and Controllers			
	UltraKey Plus HJK7000	UltraKey Lite HJC5000	UltraKey Touch HJC4000
Compatible with:	MAXPRO-Net VideoBloX	MAXPRO-Net VideoBloX VideoBloX Lite	DVRs: HRXD, HRSD and Fusion PTZs: ACUIX™ and HDT (IntelliBus™, Diamond, VCL, Pelco D, Pelco P protocols)

Monitors

Honeywell's LCD monitors are uniquely designed to provide crisp images through advanced functionality, a large viewing area and high resolution. The L-Series monitors feature high grade LCD panels with high brightness, high contrast and fast response times that are designed specifically for the video security and surveillance industry.

**HMLCD19L**

19" L-Series Color LCD Monitor

HMLCD17L

17" L-Series Color LCD Monitor

LCD Monitors Quick Reference Guide				
	HMLCD19L		HMLCD17L	
Input Signal Video	Composite: 0.6-1 Vp-p @ 75 ohm Y: 1.0 Vp-p C: 0.3 Vp-p			
Horizontal Frequency	PC: 31K-81 kHz Video: 15750 Hz			
Vertical Frequency	PC: 56-75 Hz Video: 60 Hz			
Resolution	SXGA 1280X1024			
Pixel Type	Active Matrix TFT			
Pixel Dimension	0.294 x 0.294			
Brightness	300 cd/m²			
Contrast Ratio	500:1			
Fast Response Time	8 ms			
On Screen Display (OSD)	Auto Config, Brightness, Contrast, Color-Temp, Position, Image Quality, Menu			
Video Inputs	2 BNC 1 RCA 1 VGA (15 pin D-sub)			
Video Outputs	Looping 1 BNC			
Audio Inputs	2 S-Video (L+R, 1 set) 2 RCA (L+R, 1 set) 1 PC Audio Ø 3.5 mm Jack		2 RCA (L+R, 1 set) 1 PC Audio Ø 3.5 mm Jack	
Power Input	5.5 x 2.1 mm barrel connector, center positive			
Input Voltage	100-240 VAC, 50/60 Hz			
Operating Voltage	12 VDC from power supply (included)			
Power Consumption	50 W max <5 W standby			
Dimensions (W x H x D)	15.7" x 15.2" x 6.3" (400 mm x 385 mm x 160 mm)		16.9" x 16.7" x 6.3" (430 mm x 425 mm x 160 mm)	
Weight	11.8 lb (5.35 kg)		11.0 lb (5.0 kg)	
Mounts	HMLCDFM Fixed wall mount, VESA standard	HMLCDTM Tilting wall mount, VESA standard	HMLCDARM Articulating arm mount, VESA standard	HMLCDCM Ceiling mount, VESA standard

Power Supplies

Compared to individual plug-in transformers, a multi-camera power supply reduces the overall cost of the installation and does not tie up multiple power outlets. Centralized power distribution also facilitates easy camera synchronization. There are a wide range of models to meet diverse applications.

AC VIDEO POWER SUPPLIES

AC video power supplies provide a constant source of 24 VAC to operate cameras and other accessories



DC VIDEO POWER SUPPLIES

DC video power supplies provide a constant source of 24 VAC to operate cameras and other accessories



NEMA 4X WEATHERPROOF POWER SUPPLIES

Superior voltage regulation that protects cameras from damage due to power surges and over-voltage conditions



TRANSFORMERS

Transformers available in a variety of voltages and power to fit your distribution needs



Power Supplies Quick Reference Guide

		Outputs	Output Voltage	Fused	Surge Protection	Power Input	UL Listed	Indoor/ Outdoor	Enclosure Dimensions	Temperature Range	Weight
AC Video Power Supplies	HPTV2416UL	16	24 VAC @ 8 A	Yes Glass	No	120 VAC @ 1.6 A 60 Hz	Yes	Indoor	10" x 10" x 4.5"	-4° F to 95° F	10.0 lb
	HPTV2408UL	8	24 VAC @ 4 A	Yes Glass	No	120 VAC @ 0.8 A 60 Hz	Yes	Indoor	10" x 10" x 4.5"	-4° F to 95° F	10.0 lb
	HPTV2404UL	4	24 VAC @ 4 A	Yes Glass	No	120 VAC @ 0.8 A 60 Hz	Yes	Indoor	10" x 10" x 4.5"	-4° F to 95° F	10.0 lb
DC Video Power Supplies	HPTV5DC16	16	6/12 VDC @ 4 A 24 VDC @ 2.5 A	Yes Automotive style	Automotive style fuses rated 3A per circuit	115 VAC @ 1.0 A 60 Hz max	No	Indoor	10" x 11.5" x 4.875"	32° F to 95° F	21.2 lb
	HPTV5DC08	8	6/12 VDC @ 4 A 24 VDC @ 2.5 A	Yes Automotive style	Automotive style fuses rated 3A per circuit	115 VAC @ 1.0 A 60 Hz	No	Indoor	10" x 11.5" x 4.875"	32° F to 95° F	21.2 lb
NEMA 4X Weatherproof Power Supplies	HPTV2401WPZ	1	24 VAC @ 8 A	Yes Terminal Block	Yes power, data & video	120 VAC @ 1.6 A 60 Hz max	No	Indoor/ Outdoor	14" x 11.5" x 7.25"	-40° F to 122° F	16.0 lb
	HPTV2401WPS	1	24 VAC @ 8 A	Yes Terminal Block	Yes power & video	120 VAC @ 1.6 A 60 Hz max	No	Indoor/ Outdoor	14" x 11.5" x 7.25"	-40° F to 122° F	16.0 lb
Transformers	HPT12DC1000	1	12 VDC @ 1.0 A	Yes Thermal overload	Overload protection with automatic recovery circuitry	120 VAC @ 350 mA 50-60 Hz	Yes	Indoor	2.25" x 2.2" x 4"	32° F to 120° F	2.0 lb
	HPT12DC500	1	12 VDC @ 500 mA	Yes Thermal overload	Overload protection with automatic recovery circuitry	120 VAC @ 200 mA 50-60 Hz	Yes	Indoor	2.25" x 2.2" x 4"	32° F to 120° F	2.0 lb
	HPT2440	1	24 VAC @ 1.6 A	Yes Thermal overload	No	120 VAC @ 330 mA 60 Hz max	Yes	Indoor	2.25" x 2.2" x 4"	-4° F to 95° F	1.5 lb
	HPT2420	1	24 VAC @ 1.2 A	Yes Thermal overload	No	120 VAC @ 160 mA 60 Hz max	Yes	Indoor	2.25" x 2.2" x 4"	-4° F to 95° F	1.5 lb
	HPT1640	1	16 VAC @ 0.4 A	Yes Thermal overload	No	120 VAC @ 330 mA 60 Hz max	Yes	Indoor	2.25" x 2.2" x 4"	-4° F to 95° F	1.5 lb

Surge Protectors

Honeywell's lightweight and low profile surge protectors provide superior protection against voltage spikes that can disable and permanently damage video equipment, resulting in loss of important data. Honeywell's surge protectors are highly reliable for power and video and have several key features:

- Single point grounding
- BNC female in/out for video protection
- Terminal strip connections for power and data protection

SURGE PROTECTORS

HDSP1

- Dependable protection for any PTZ camera system
- Data protection for video, power and data



HCSP1

- Dependable protection for any fixed camera system including box cameras, bullet cameras, specialty cameras and mini-domes
- Data protection for video and power



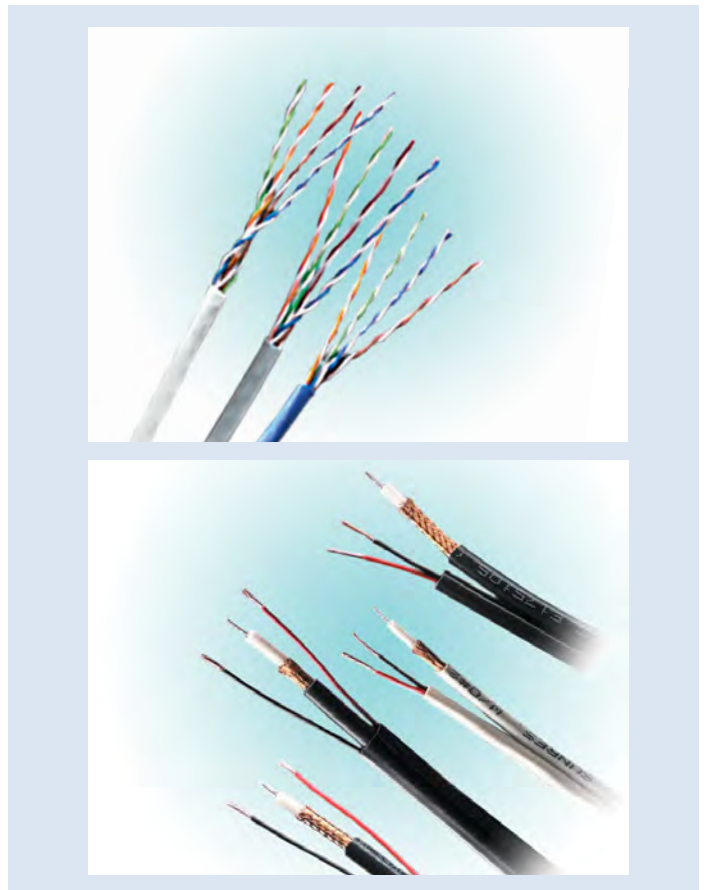
Surge Protectors Quick Reference Guide		
	HDSP1	HCSP1
Video Protection		
Service Voltage	2 Vp-p @ 75 Ohms	
Clamping Voltage	2.8 VDC	
Insertion Loss	<1.0 dB @ 0-2.0 GHz	
Peak Pulse Current	20K A	
Voltage Protection		
Service Voltage	24 VAC/VDC	
Clamping Voltage	33 VAC/47 VDC	
Peak Pulse Current	3000 A	
Data Protection		
Service Voltage	6.8 VDC	N/A
Clamping Voltage	2.8 VDC	N/A
Peak Pulse Current	2000 A	N/A
Dimensions	3.86" x 2.07" x 1.4"	
Operating Temperature	14° F-140° F	
Housing	High impact gray plastic	
Connections	Video: BNC Female In/Out, 75 Ohms Data: Terminal Strip (14-22 AWG) Power: Terminal Strip (14-22 AWG)	Video: BNC Female In/Out, 75 Ohms Power: Terminal Strip (14-22 AWG)
Weight	2 oz	

Genesis Series Cable

Honeywell's Genesis Series Cable provides a full range of low voltage cables for security, fire, sound, video, structured cabling, voice & data, and other low voltage cable applications.

Features:

- Countdown or Sequential Footage Markings
- Room/Zone Markings on Legend
- Color Coded Boxes
- New Labeling System on Boxes
- 100% Guaranteed



CCTV AND SPECIALTY CABLE

CCTV Cable

- General Use Applications
- Riser Rated Applications
- Plenum Rated Applications
- Water Resistant Applications

CCTV Specialty Cable

- Unshielded Twisted Pair
- Mini Coaxial Cables
- Network Cables

CCTV COAXIAL CABLES

Construction:

	Non-Plenum	Plenum	Water Resistant
Conductors	Solid Bare Copper		
Shield	95% Bare Copper Braid		
Jacket	PVC	Low-Smoke PVC	PE
Colors	Black, White	Natural	Black

Mini Coax Colors: Black, Blue, Green, Red, Yellow, White

Features:

– Sunlight Resistant (Except Plenum)

Popular Packaging:

– Pull Box 500', 1000'
– Reel 500', 1000'
– Reel-in-a-Box 500'



CCTV COAXIAL – RG6/U

STYLE	AWG	SHIELD	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED							
RG6/U	18 BC	95% BC	78	18	0.275	42	5002
RISER RATED – CL2R, FT4 LISTED							
RG6/U	18 BC	95% BC	78	18	0.270	45	5302
PLENUM RATED – CL2P, FT6 LISTED							
RG6/U	18 BC	95% BC	82	16	0.230	47	5352

CCTV COAXIAL – RG59/U

STYLE	AWG	SHIELD	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED							
RG59/U	20 BC	95% BC	78	18	0.242	36	5001
RISER RATED – CL2R, FT4 LISTED							
RG59/U	20 BC	95% BC	78	18	0.232	38	5301
PLENUM RATED – CL2P, FT6 LISTED							
RG59/U	20 BC	95% BC	82	16	0.200	39	5351
WATER RESISTANT							
RG59/U	20 BC	95% BC	82	18	0.248	36	5103 C

CCTV COAXIAL – 75 OHM MINI

STYLE	AWG	SHIELD	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED							
75 OHM MINI	24 BC	95% BC	78	18	0.145	15	5020

C Reels only

CCTV COAXIAL + POWER CABLES

Construction:

	Non-Plenum	Plenum	Water Resistant
Coax Conductors	Solid Bare Copper		
Power Wires	18/2 Stranded Bare Copper		
Shield	95% Bare Copper Braid		
Jacket	PVC	Low-Smoke PVC	PE
Colors	Black, White	Natural	Black

Mini Coax Colors: Black, Blue, Green, Red, Yellow, White

Features:

– Sunlight Resistant (Except Plenum)

Popular Packaging:

- Pull Box 500', 1000'
- Reel 500', 1000'
- Reel-in-a-Box 500'



CCTV COAXIAL – RG6/U + POWER PAIR

STYLE	AWG	SHIELD	POWER	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED								
RG6/U + 18/2 SIAMESE	18 BC	95% BC	18/2 STR	78	18	0.450 x 0.275	35	5119

CCTV COAXIAL – RG59/U + POWER PAIR

STYLE	AWG	SHIELD	POWER	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED								
RG59/U + 18/2 OAJ	20 BC	95% BC	18/2 STR	78	18	0.360 x 0.285	66	5009 c
RG59/U + 18/2 SIAMESE	20 BC	95% BC	18/2 STR	78	18	0.421 x 0.245	60	5013 c
RG59/U + 18/2 SIAMESE	20 BC	95% CCA	18/2 STR BC	78	16.5	0.240 x 0.425		6508

PLENUM RATED – CL2P, FT6 LISTED

RG59/U + 18/2 SIAMESE	20 BC	95% BC	18/2 STR	82	16	0.421 x 0.245	65	5355
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WATER RESISTANT

RG59/U + 18/2 SIAMESE	20 BC	95% BC	18/2 STR	82	18	0.421 x 0.245	65	5104 c
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CCTV COAXIAL – 75 OHM MINI + POWER PAIR

STYLE	AWG	SHIELD	POWER	NOM. VP	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CL2 LISTED								
75 OHM MINI + 20/2 SIAMESE	24 BC	95% BC	20/2 STR	78	18	0.145 x 0.278	29	5022

C Reels only

UNTWISTED PAIR + POWER

Construction:

- CAT5e UTP + 16/2 Power
- Siamese Construction

Features:

- Sunlight Resistant (Except Plenum)
- Supports Pan/Tilt/Zoom, Video, Audio, Data
- Ripcord
- Tested to 200 MHz

Product Benefits:

- Superior EMI interference rejection compared to coaxial cable
- Less expensive than dedicated coax or fiber
- Supports Pan/Tilt/Zoom capabilities
- Allows for longer distance runs
- Physically smaller than coax alternatives
- Extremely easy to install and terminate



UTP	POWER	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
RISER RATED – CMR, CL2R, FT4 LISTED				
24/2pr Cat5e	16/2 STR	0.170 x 0.360	38	5281
PLENUM RATED – CMP, CL2P, FT6 LISTED				
24/2pr Cat5e	16/2 STR	0.170 x 0.360	41	5381

Refer to Networking Section for CAT6 and CAT5e Cables for Power over Ethernet (PoE) devices.

MULTI-CONDUCTOR CABLE – UNSHIELDED

Construction:

	Non-Plenum	Plenum
Conductors	Bare Copper	
Insulation	PP Conductor Color Code Chart 1 (≤ 12 Conductors) Conductor Color Code Chart 2 (> 12 Conductors)	Low-Smoke PVC
Jacket	PVC	Low-Smoke PVC
Colors	Gray	Natural

Features:

- Sunlight Resistant (Except Plenum)

Popular Packaging:

- Pull Box 1000'
- Reel 1000'

18 AWG – UNSHIELDED

# COND	STR/SOL	DC RESISTANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
GENERAL PURPOSE – CM, CL2 LISTED						
2	STR	6.5	18	0.148	18	1118
RISER RATED – CMR, CL2R, C(UL), FT4 LISTED						
2	STR	6.5	18	0.150	18	2114
PLENUM RATED – CMP, CL2P, C(UL), FT6 LISTED						
2	STR	6.5	30	0.148	19	3114

NETWORK CABLES

Category 6 Cables

Construction:

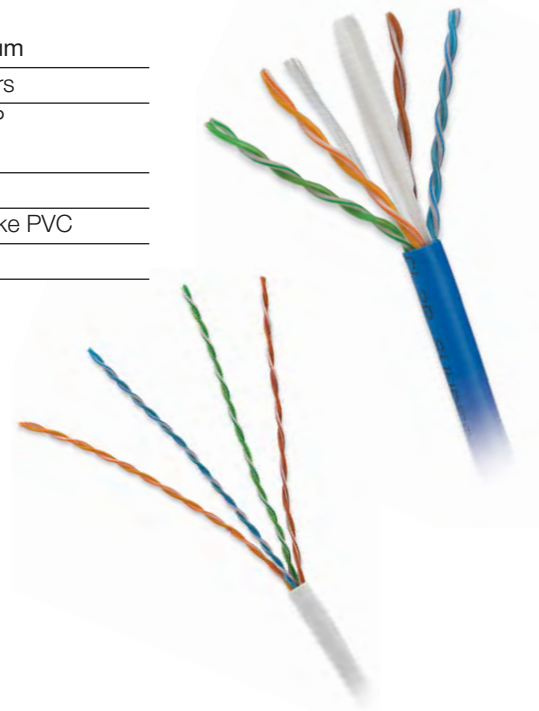
	Non-Plenum	Plenum
Conductors	Unshielded Twisted Bare Copper Pairs	
Insulation	PP	FEP
Spline	Dielectric Between Pairs	
Jacket	PVC	Low-Smoke PVC
Colors	White, Blue, Green	

Features:

- Sunlight Resistant (Except Plenum)
- Ripcord

Popular Packaging:

- Reel 1000'
- Reel-in-a-Box 1000'



CATEGORY 6 PLUS (TESTED TO 500 MHz)

AWG	# PAIRS	CATEGORY	TYPE	IMPEDANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
RISER RATED – CMR, CL2R, FT4 LISTED								
23	4	6	UTP	100	15	0.240	22	5092
PLENUM RATED – CMP, CL2P, FT6 LISTED								
23	4	6	UTP	100	15	0.240	25	5102

CATEGORY 6 SPLINELESS (TESTED TO 350 MHz)

AWG	# PAIRS	CATEGORY	TYPE	IMPEDANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
RISER RATED – CMR, CL2R, FT4 LISTED								
23	4	6	UTP	100	15	0.210	25	6360
PLENUM RATED – CMP, CL2P, FT6 LISTED								
23	4	6	UTP	100	15	0.205	25	6361

Category 5e Cables

Construction:

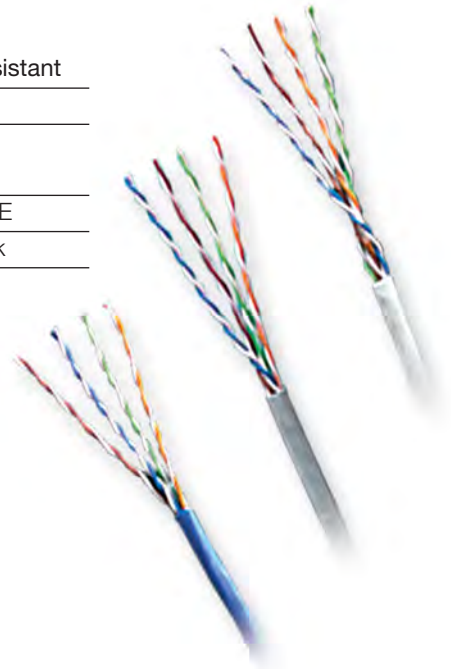
	Non-Plenum	Plenum	Water Resistant
Conductors	Unshielded Twisted Bare Copper Pairs		
Insulation	PP	FEP	PP
	Color Code Chart 5		
Jacket	PVC	Low-Smoke PVC	LLDPE
Colors	White, Blue, Gray		Black

Features:

- Sunlight Resistant (Except Plenum)
- Ripcord

Popular Packaging:

- Pull Box 1000'
- Reel-in-a-Box 1000'



AWG	# PAIRS	CATEGORY	TYPE	IMPEDANCE (OHMS)	NOM. CAP. (PF/FT)	NOM. O.D. (IN)	AVG. WT. PER MFT (LBS)	PART #
RISER RATED – CMR, CL2R, FT4 LISTED (Tested to 350 MHz)								
24	4	5e	UTP	100	15	0.200	21	5078
24	Dual 4	5e	UTP/UTP	100	15	0.410	43	5079 G
PLENUM RATED – CMP, CL2P, FT6 LISTED (Tested to 200 MHz)								
24	4	5e	UTP	100	15	0.200	27	5088
24	Dual 4	5e	UTP/UTP	100	15	0.410	55	5089 F
WATER RESISTANT (Tested to 350 MHz)								
24	4	5e	UTP	100	15	0.200	21	5090 C

C Reels only

F Consult factory for availability

G 500 ft RIB or 1000 ft spools in blue only



Notes

Terms and Conditions



ACCESS CONTROL SALES POLICY

We at Honeywell Access Systems believe that service and support play an important role in the success of our business. In order to ensure our customers receive both accurate and reliable information, your call may be monitored by Honeywell's management team. This is another way in which Honeywell Access Systems is continuing to provide the highest level of service and support in the industry.

1. Ordering

Customer may order Products from Honeywell by faxing Honeywell's Customer Service department and by issuing a purchase order specifying the quantity of products, the desired delivery date, shipping method, and the locations to which Product should be shipped.

Honeywell reserves the right to refuse any purchase order, and is not bound to honor it, unless a paper copy via fax or mail has been received at Honeywell's Oak Creek (Milwaukee), Wisconsin headquarters.

Orders received without a requested shipping date will be scheduled for shipment according to current Honeywell production schedules. Payments are accepted in U.S. currency only. Exceptions to this policy are handled on an individual basis. Prices are subject to change without notice. Minimum order amount accepted by Honeywell is \$100.00 net. Cancelled orders are subject to a minimum 15% cancellation charge if canceled within forty-five (45) days of placing the respective purchase order. Special (spec) or custom (cust) order items that cannot be cancelled with our suppliers are subject to a 100% cancellation charge.

A minimum order of 25 is required on stock card items. Call for a quotation and minimum requirements on non-stock cards (i.e. custom/special cards).

2. Delivery and Shipping

Orders will be assigned estimated ship dates based on product availability and the date Honeywell receives and accepts the order. Honeywell shall make every reasonable effort to meet delivery date(s) quoted or acknowledged. However, Honeywell will not be liable for its failure to meet such dates. Orders which cannot be shipped for more than 90 days may be canceled.

Honeywell shall not be liable for loss, damage, detention, or delay due to war, riots, civil insurrection or acts of the common enemy, fire, flood, strikes, or other labor difficulty, acts of civil or military authority including governmental laws, orders, priorities or regulations, acts of the Customer, embargo, wrecks, or delays in

transportation, inability to obtain necessary labor, materials or manufacturing facilities from unusual sources, or other causes beyond the reasonable control of Honeywell. In case of delay in performance due to any such cause, the date of delivery or time for completion will be adjusted to reflect the actual length of time as may be necessary to properly reflect the delay.

The Customer's receipt of Equipment shall constitute a waiver on any claims for delay.

In the event that Customer requests a guaranteed ship date Honeywell reserves the right to add to the purchase price, subject to Customer's approval, expenses which increase the costs of production, (i.e. freight charges, overtime expenses, etc). Honeywell reserves the right to make shipments of complete orders in advance of the ship dates specified and partial orders with prior approval from Customer. Claims for delays in shipment, shortage and damage must be initiated by Customer with the carrier.

3. Freight and Title

Title and risk of loss or damage to the Equipment shall pass to the Customer upon tender of delivery FOB at Honeywell's facility, except that a security interest in the Equipment or any replacement shall remain with Honeywell, regardless of mode of attachment to realty or other property, until full payment has been made therefore.

Customer shall do all things and acts necessary to perfect and maintain said security interest and shall protect Honeywell's interest by adequately insuring the Equipment against loss or damage from any cause and Honeywell shall be named as an additional insurer. Customer shall provide Honeywell with certificates of insurance coverage.

Claims for shortages and damages enroute must be promptly filed with the delivery carrier by the Customer.

Shipments will be routed by the most expeditious and reasonable method. Freight charges will be prepaid and added to the invoice. Use of carriers other than Honeywell's preferred carrier(s) may be subject to additional handling charges to the Customer.

All freight charges, including warranty shipments, are the Customer's responsibility.

4. Payment Terms

Standard domestic terms are 2% discount if paid within ten (10) days, or NET thirty (30) days. Terms for international sales may require Letters of Credit rather than open credit terms subject to Credit Department approval. All claims and/or disputes concerning

billing issues and discrepancies must be submitted to Honeywell for consideration within thirty (30) days from invoice date. Otherwise, all billings are considered final after 30 days.

Unless otherwise agreed to in writing by Honeywell, Customer shall pay all invoices issued within thirty (30) days from the date of invoice. Orders exceeding \$50,000 and/or orders involving custom products, will generally require progress payment terms due with an order at the time of shipment, and net 30 days after shipment. Honeywell reserves the right to change the credit terms at any time, when, in Honeywell's opinion, Customer's financial condition or previous payment record so warrants.

Interest shall accrue on all past due invoices at the maximum legal rate or 1.5% per month (18% APR) whichever is lower. Honeywell may place Customer on a C.O.D. basis in the event that Customer's account becomes delinquent or Honeywell becomes insecure about Customer's financial capabilities. In the event it becomes necessary for Honeywell to incur collection costs or initiate suit to collect any amount under this agreement, or any portion thereof, the Customer promises to pay such additional collection costs, charges, and expenses including reasonable attorney's fees if the account is placed in the hands of an attorney for collection.

5. Taxes

The prices do not include any Federal, State, or local property, license, privilege, sales, use, excise, gross receipts, or other like taxes which may be now or hereafter applicable to, measured by, or imposed upon or with respect to this transaction, the Equipment, its sale, its value or its use, or any services performed in connection therewith. Such taxes will be itemized separately to the Customer, who shall make prompt payment to Honeywell.

Honeywell will accept a valid exemption certificate from the Customer, if applicable. If an exemption certificate previously accepted by Honeywell is not recognized by the governmental taxing authority involved, Customer agrees to promptly reimburse Honeywell for any taxes covered by such exemption certificate which Honeywell is required to pay.

6. Claims

Claims for price adjustment must be submitted to Honeywell Customer Service Department within thirty (30) days from date of invoice in question. Claims for shortages, or incorrectly filled orders, must be made within ten (10) days after receipt of shipment.

7. Credits

Credits will be issued for material that is re-sellable, brand new, and unopened in its original box. Orders that are accepted for return within forty-five (45) days after shipment are subject to a minimum 15% restocking charge. Orders that are accepted for

return between forty-five (45) and ninety (90) days after shipment are subject to a minimum 40% restocking charge.

No returns will be accepted for credit later than ninety (90) days after shipment.

8. Limits of Liability

Honeywell's sole Liability and the Customer's exclusive remedy for damages regardless of theory, shall not exceed the cost of correcting the defect and in no event shall such liability be greater than the purchase price paid by the Customer for the defective equipment. Honeywell SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR SPECIAL, INDIRECT NOR CONSEQUENTIAL DAMAGES OF ANY KIND.

Customer shall hold harmless and indemnify Honeywell from and against all claims, demands, losses and liability arising out of damage to property or injury to persons occasioned by or in connection with the acts or omissions of Customer and its agents and employees, and from and against all claims, demands, losses and liability for costs of fees, including reasonable attorneys' fees, in connection therewith.

9. Product Design

Honeywell reserves the right to discontinue the manufacturing of any of the equipment, to make changes in their design or to add improvements to the equipment at any time without prior notice to the Customer, provided that Honeywell shall not be required hereby to change equipment previously sold. No part of this paragraph will be deemed to affect the obligation of Honeywell to fill orders previously accepted.

10. Software License, Warranty and Service

DEFINITIONS

"Licensed Program" means a software program and any updated, improved or otherwise modified version ("Release") of such a program and any related materials, in machine readable and/or printed form, furnished to Licensee by or on behalf of Honeywell, including any materials provided under any Honeywell software service, and any full or partial copies of any of the foregoing. License Programs include, but are not limited to, Operating Systems, Communications Software, Query Languages, Honeywell Programs or any applications packages obtained from Honeywell.

"Honeywell Program" means a Licensed Program owned by Honeywell, or for which Honeywell has the independent ability, including the right to use source code, to provide maintenance and support.

"Designated Equipment" means, with respect to each Licensed Program, the specific computer and peripherals (hereinafter called "Hardware System") or with respect to any subsequent releases,

the particular Hardware System for which Licensee has paid Honeywell's applicable fee.

LICENSE GRANT AND SCOPE

Subject to the terms above, Honeywell hereby grants to Licensee and its third-party customer, and Licensee accepts a nontransferable, nonexclusive license to resell each Licensed Program only on the Designated Equipment for the Release in question. Licensee expressly understands that a Licensed Program cannot be transferred to, or used in connection with, any Hardware System not licensed by Honeywell to operate the Release in question.

Upon request, Honeywell may license Licensee, for an additional fee, to use some of the Licensed Programs in connection with a Hardware System which Honeywell determines to be compatible after conducting an inspection at Honeywell's usual charges for such inspection. Releases furnished after such inspections are not warranted to work with future software revisions or to the Hardware System if modified after Honeywell inspection.

Licensee may obtain Releases beyond those originally furnished for particular designated equipment by either entering into a software support contract covering the Licensed Program and Designated Equipment, or placing a purchase order which identifies the Licensed Program, release number and Designated Equipment (by Hardware System identification number), and in either case, paying Honeywell's applicable fee.

ASSIGNMENT/TRANSFER

Neither the licenses granted hereunder nor the Licensed Programs may be assigned or transferred without the prior written consent of Honeywell, and any such attempt will void the license. If Licensee desires to transfer the Designated Equipment to another third party for continuing use by such party, Honeywell agrees, upon Licensee's request and subject to Honeywell's reasonable approval, to offer to enter into a standard Honeywell license agreement covering the Licensed Program(s). Licensee may transfer the Licensed Program(s) to such third party on payment of an additional fee of \$100 to Honeywell. In the absence of such an agreement, if Licensee transfers the Designated Equipment, Licensee shall promptly return to Honeywell the Licensed Programs, including all copies which contain any portion of a Licensed Program and external security devices.

MODIFICATIONS/COPIES

Honeywell grants to Licensee the right to modify and/or copy any Licensed Program in machine readable form as necessary for backup, archival or modification purposes only. Upon termination of the license for such Licensed Program, the license to use any modified License Programs is also terminated.

Licensed Programs in printed form shall not be copied in whole or in part, but additional copies may be obtained from Honeywell at its then standard charges.

Licensee shall not reverse assemble or reverse compile any Licensed Program.

Licensee agrees that any copyright notices and/or proprietary notices appearing on any Licensed Programs will be reproduced and included on and in any modifications and copies, in whole or in part, of Licensed Programs.

OWNERSHIP

Honeywell either owns or has the right to license Licensed Programs. As between Honeywell and Licensee, Licensed Programs and all copies thereof, in whole or in part, including all portions of Licensed Programs contained in modifications, shall remain the sole property of Honeywell.

PROTECTION OF LICENSED PROGRAMS

Licensee agrees that Licensee and its employees will not provide or otherwise make available any Licensed Program or portion thereof in any form (including derivative programs) to any third party and will keep such materials in confidence. Licensee further agrees to limit availability of License Program only to those employees who need to use such Licensed Programs as permitted by this agreement.

SERVICES FOR HONEYWELL SOFTWARE PROGRAMS

With respect to each Honeywell Program included with a Honeywell system, Honeywell will furnish, without additional charge, the services described below for a period of 15 months from the date of shipment, or 12 months from the date of installation, whichever occurs first.

THE SERVICES ARE:

Upon Licensee's written request and furnishing Honeywell with all requested information, Honeywell will provide services for correcting or working around variances between the function of a Licensed Program and Honeywell's published user documentation, provided the variances occur on an unmodified version of Honeywell's most current Release of Licensed Program or the prior major Release made available by Honeywell, and is used on Designated Equipment in normal operating condition and with operating software and environment as specified by Honeywell. Honeywell will use all reasonable effort to correct or work around the variances described above, but does not represent or warrant that such variances will be corrected or worked around. If a problem is determined by Honeywell to be of Licensee origin, Licensee will pay Honeywell's standard charges for work performed in responding to the problem.

Any new releases of updates of the Licensed Program generally released by Honeywell to other Licensees at no charge.

The features of new software releases may require hardware upgrades of the processor, memory, hard drive, or other components for proper operation. Honeywell will specify all hardware requirements for new releases. It is the responsibility of the Customer to procure and install any required hardware upgrades at his own cost.

Any updates of applicable user manuals and new user manuals and guides generally released by Honeywell to other Licensees at no charge.

Consultation by telephone, during normal business hours, to assist Licensee with the application of Licensed Programs.

Honeywell's technical bulletins and alert bulletins as appropriate.

SERVICES FOR NON-HONEYWELL SOFTWARE PROGRAMS

With respect to each Licensed Program other than Honeywell Programs, Honeywell will use all reasonable effort (any litigation will be at Honeywell's option) to require all suppliers of such Programs to provide the services which they have contracted to perform for Honeywell's Customers and which Honeywell has formally announced will be available at no charge, but Honeywell will have no other responsibility with respect to non-Honeywell programs.

TERM AND TERMINATION

Each License granted herein shall remain in force until Licensee discontinues use of the Licensed Program on the Designated Equipment, or until Honeywell terminates this agreement, or the License for such Licensed Program. Honeywell may terminate this agreement or any license hereunder: effective immediately upon notice if Licensee provides or otherwise makes available to any third party any Licensed Program or portion thereof, or upon thirty days notice if Licensee attempts to use any Licensed Program or modification thereof on equipment other than the Designated Equipment for the Release in question, or attempts to transfer any license or assign this agreement without the prior written consent of Honeywell, or fails to perform any other material obligation under this agreement, and does not cure such breach within such period. Immediately upon termination, Licensee shall return to Honeywell the Licensed Programs and all copies thereof, provided that Licensee may remove from such copies any modifications made by Licensee.

LIMITED SOFTWARE WARRANTY

All software is provided on an "as is" basis without warranty. Neither Honeywell nor its subcontractors or suppliers grant any warranty with respect to any Licensed Program or services

furnished hereunder, and no warranties of any kind, whether written, oral, implied or statutory, including warranties of merchantability or fitness for a particular purpose, shall apply.

UPGRADES

Upgrades for all Honeywell software are available through Honeywell's Customer Service Department.

WARRANTY AND MAINTENANCE AGREEMENT (HOST SYSTEMS)

1. Honeywell provides warranty and maintenance for third party computer hardware and Honeywell software for 12 months from date of installation.
2. Limited assistance on third party computer hardware and software (including operating environment) supplied by Customer is available from Honeywell on a time and material basis.
3. Standard telephone assistance (M-F, 7AM – 7PM Central Time) is included for the first year in the system price. Additional software support services are available for a fee for the first and subsequent years.

11. Export

Products produced and sold by Honeywell are subject to either general or validated license controls under the United States export administration regulations. Export of this product without proper export license is prohibited by law.

For further information on requirements regarding the export of Honeywell's products, you may contact the U.S. Department of Commerce International Trade Administration, Washington, DC, 20230, or Honeywell at (414) 766-1700.

12. Warranty

Honeywell warrants its material and workmanship free from defects for a period of one (1) year from the date of original shipment to Customer. The warranty on terminals, printers, communications material and upgrade kits is ninety (90) days from the date of original shipment. Satisfaction of this warranty shall be limited to repair or replacement of material that is defective or becomes defective under normal use.

Return/Repairs: Defective warranty material must be returned to Honeywell's factory for repair or replacement. At Honeywell's discretion, the material will be repaired and returned or replaced within five business days. If defective warranty material is returned within ninety (90) days of original shipment, and is replaced, it will be replaced with new material. If defective warranty material is returned more than ninety (90) days after shipment, Honeywell, at its discretion, will replace with either new or repaired material. Special ordered equipment that must be returned to the vendor for repair may take longer.

Advancements: The prompt replacement of damaged or defective material prior to its return. Honeywell Access will invoice the customer for replacement material and subsequently issue credit upon receipt of the returned material. The customer must issue Honeywell Access a purchase order prior to shipment of replacement material. There will be an additional advancement fee for this service for which the customer will be responsible.

Test Fees: Any product received by Honeywell Access Systems that is tested and determined to be in good working condition, will be returned to the customer along with a testing fee that will be billed to the customer's account. The purchase order number that was supplied to Honeywell Access Systems for the advance replacement equipment will be used for the billing of this testing fee. The testing fee will not be refundable. In addition, the customer will not receive the credit for the return of the defective equipment and will be expected to pay for the replacement equipment that was shipped as an advancement.

PC On-site Warranty: All PC systems that are sold include a one (1) year on-site warranty for hardware related issues. Honeywell Access Systems guarantees next business day on site service for any problems brought to our attention prior to 3:00 p.m. CST. Honeywell Access Systems and/or our vendor will be required to provide troubleshooting over the phone with either customer or end-user to determine the extent of the problems. A purchase order must be supplied to the Honeywell Access Systems Customer Service Rep during notification of the problem to ensure that any defective or unused repair parts are promptly returned to the vendor. In the event that the parts are not returned to the vendor, the customer will be billed for the unreturned items on the provided purchase order number. Any abuse of or power surges to the equipment will void the warranty. (Please see below for further definition of non-warranty issues.) The purchase order number will be used, therefore, to bill the customer for the non-warranty repair of the equipment.

PExtended PC System Warranties: Additional maintenance agreements can be purchased to extend the warranty for our PC systems in time increments of one (1) year. These additional extended warranties will not exceed a total of two (2) additional years from the expiration of Honeywell's normal one (1) year warranty. These additional warranties can be purchased from our Sales Department. Please contact your Honeywell Access Sales Rep for more information on these additional warranties. Extended warranties for PC systems must be purchased during the initial warranty period only.

Extended Warranties: HID has extended its warranty to lifetime coverage on all of its products except ISOPROX and DUOPROX cards. Honeywell will honor HID's warranty for all new items purchased on or after January 1, 1997.

Freight charges for warranty material is the responsibility of the Customer.

13. Non-Warranty

Honeywell's warranty shall not extend to any material which is determined to be defective as a result of misuse, improper storage, incorrect installation, operation or maintenance, alteration, modification, accident, acts of God, natural disaster, or unusual deterioration of the material due to physical environments in excess of the limits set forth in material manuals. (Refer to section above on Warranty.)

Return/Repair: Upon the receipt of defective or damaged material at Honeywell Access Systems, new or repaired replacement material will be shipped to the customer. The customer will be charged for repair or replacement material. Customer is required to issue a purchase order and is responsible for all freight charges.

Advancements: The prompt replacement of damaged or defective material prior to its return. Customers must issue a purchase order prior to shipment of replacement material. Customers will be invoiced a transaction fee for this advanced replacement service and for all repair or replacement costs, including freight charges.

Test Fees: Any product received by Honeywell Access Systems that is tested and determined in good working condition, will be returned to the customer along with a testing fee that will be billed to the customer's account. This testing fee will not be refundable.

14. Return Merchandise Authorization (RMA)

No material will be accepted for return to Honeywell's warehouse or factory without an RMA number, also referred to as a Return Authorization Credit (RAC) number. Customer will need to provide the following information to obtain a RMA number:

- a. Model number and serial number of the unit.
- b. If available, the shipment date of the unit (from packing list).
- c. A new purchase order number.
- d. Symptoms of the defective unit.
- e. Technical call reference number (for products in warranty).
- f. Method of shipment.
- g. Type of RMA required (advance replacement, repair/return, return only for credit or DOA)

Upon receipt of a Customer RMA request for either credit or repair of material, Honeywell agrees to either issue an RMA number or, per written Customer request, provide Customer with a written explanation for its refusal to issue the RMA within thirty (30) days of the request date. Unauthorized returns will be refused.

and returned to the shipper at the Customer's expense. An RMA number is valid for a period of ninety (90) days from the date of issue. After ninety (90) days, the RMA number will be voided. An RMA number will not be issued for special order or custom material, except for warranty repair claims.

15. Use of Trademarks

During the term of this Agreement or any extension thereof, Customer may use the tradename of Honeywell or any of Honeywell's trademarks, insignias, logos, or proprietary marks in connection with Customer's sales, advertisements, and promotions of the Products. Customer acknowledges that these trademarks and logos are valuable assets of Honeywell and Customer's use of such proprietary marks shall be in accordance with Honeywell's direction and policies.

Customer specifically disclaims any right in any of the proprietary marks and shall not use the proprietary marks as part of the business name of Customer.

16. Promotional Expenses

Honeywell will furnish to Customer, at no cost, reasonable quantities of catalogs and other sales promotional literature regarding the Products. See last page for a listing of available promotional pieces. At the request of Customer, Honeywell will provide technical and/or sales training seminars for Customer's personnel, provided that such seminars can be scheduled within the time and travel schedules of Honeywell's personnel. Consult factory for seminar and training fees.

17. Federal Communications Commission (FCC) Registration

Honeywell warrants that each of the products is registered under and complies with Part 68 of the Federal Communications Commission's Rules and Regulations, including, but not limited to, all labeling and customer instruction requirements.

18. Infringement

In the event Customer received a claim that the Product or any part thereof infringes upon the patent, copyright, trademark or proprietary rights of others, Customer shall immediately notify Honeywell in writing of all such claims. Honeywell shall defend or settle such claims, and exercise its best efforts to procure for Customer the right to use the Products or modify the products to avoid infringement. Customer shall cooperate in the defense of any such claims as reasonably requested by Honeywell. Honeywell will indemnify and hold Customer harmless from any costs or damages resulting from such claims including reasonable attorney's fees. However, Honeywell shall have no liability or any claim based upon the combination with, operation of, or use of any Product not supplied by Honeywell or based upon alteration of the product by someone other than Honeywell.

19. Confidentiality

All software, drawings, diagrams, specifications, catalogs, literature, manuals and other materials furnished by Honeywell in relation to the design, use and service of the Products shall remain confidential and shall constitute proprietary rights of Honeywell and Customer agrees to treat such information as confidential. Customer shall acquire no rights in the design of the Products or the related materials except to use such information solely for the purpose of and only during the time it sells the Products. Customer shall not copy the design of any of the Products or use or cause to be used any Product design or related materials for its own benefit or for the benefit of any other party. The covenants contained in this section shall remain effective throughout the term of the Agreement and thereafter unless specifically waived by Honeywell in writing.

20. Relationship of Parties

The Agreement does not in any way create the relationship of joint venture, partnership, or principal and agent between Honeywell and Customer. Neither party shall have the power or ability to pledge the credit of the other nor to bind the other or to contract in the name of or create a liability against the other in any way for any purpose.

21. Non-Assignability

Neither party shall assign this agreement or its rights and obligations hereunder except with the prior written consent of the other party, which shall not be unreasonably withheld or delayed. Any unauthorized transfer or attempt to transfer or assign shall automatically terminate this Agreement.

22. General Provisions

- A. Governing Law – This transaction shall be governed and construed in accordance with the laws of the State of Wisconsin, USA.
- B. Remedies: Nonexclusive—No remedy conferred by any specific provision of these terms is intended to be exclusive of any other remedy and each and every remedy shall be accumulative and shall be in addition to every other remedy given here under or now or hereinafter existing in law, or in equity, or by statute, or by otherwise. The election of one or more remedies by either party shall not constitute a waiver of the right to pursue other available remedies.
- C. Enforcement of Agreement – In the event of litigation relating to this transaction, the prevailing party shall be entitled to recover its attorney's fees associated with that litigation plus prejudgment interest at the legal rate computed from the date of the filing of such litigation.

23. Conflicting Terms

Honeywell rejects any terms or conditions stated by Customer or contained in Customer's purchase documents or correspondence which are in addition to, conflict with or limit the terms and condition herein. Customer's execution or other acceptance of this proposal or its acceptance of delivery of all or part of the goods to be delivered hereunder shall constitute Customer's acceptance of the terms and conditions herein and shall be deemed to exclude any additional, conflicting or limiting terms stated by Customer or contained in Customer's purchase documents or correspondence.

24. Fire Safety and Liability Notice

Honeywell hereby notifies installer that card readers should never be connected to any critical entry, exit door, barrier, elevator or gate without providing customers with an alternative exit in accordance with all fire and life safety codes pertinent to the installation. These fire and safety codes vary from city to city and approval from local fire officials must be obtained whenever using an electronic product to control a door or other barrier. Use of egress buttons, for example, may be illegal in some cities. In most applications, single action exit without prior knowledge of what to do is a life safety requirement. (Always make certain that any required approvals are obtained in writing. Do not accept verbal approvals, as they are not valid.) Honeywell also never recommends using the N-1000 or related products for use as a primary warning or monitoring system. Primary warning or monitoring systems should always meet local fire and safety code requirements. The installer must also test the system on a regular basis by instructing the end user in appropriate daily testing procedures. Failure to test a system regularly could make installer liable for damage to end user if a problem occurs.

Notes

VIDEO SURVEILLANCE PRODUCT WARRANTY

1. LIMITED WARRANTY

a. General

Subject to the terms and conditions of this Limited Warranty and except as provided in Section 1(b), Seller warrants its products to be free from defects in materials and workmanship under normal use and service, normal wear and tear excepted, for three (3) years from the manufacture date code; provided, however, that in the event the Buyer presents a proper invoice relating to the purchased product and such invoice bears a date later than the manufacture date, then Seller may at its discretion, reflect the warranty period as commencing at invoice date. Except as required by law, this Limited Warranty is only made to Buyer and may not be transferred to any third party.

Seller shall have no obligation under this Limited Warranty or otherwise if:

- (i) The product is improperly installed, applied or maintained;
- (ii) Installed outside of stated operating parameters, altered or improperly serviced or repaired by anyone other than the Seller/Seller's Authorized Service/Repair Center;
- (iii) Damage is caused by outside natural occurrences, such as lightning, power surges, fire, floods, acts of nature, or the like.

In addition, this Limited Warranty shall not apply to:

- (iv) Defects resulting from unauthorized modification, misuse, vandalism, alterations of serial numbers, other causes unrelated to defective materials or workmanship, or failures related to batteries of any type used in connection with the products sold hereunder.

Non-Seller branded products are warranted by the third party manufacturer for a period as defined by the third party manufacturer. Seller assigns to the Buyer those warranties and only those warranties extended by such third party manufacturers or vendors for non-Seller branded products. Seller does not itself warrant any non-Seller branded product and sells only on an as is basis.

b. Exceptions to Warranty With Respect to Certain Video Systems Products

VCRs Seller warrants parts and labor, including video heads, on video cassette recorders in accordance with the terms of the above limited warranty for a period of one (1) year from the date of manufacture (or invoice as described above). This warranty excludes cosmetic parts, knobs, cabinets and routine maintenance as specified in the product manual.

MONITORS, CRTs Seller warrants parts and labor for monitors

in accordance with the terms of the above limited warranty for a period of three (3) years from the date of manufacture. Seller warrants parts and labor for CRTs in accordance with the above limited warranty for a period of one (1) year from the date of manufacture (or invoice as described above). CRTs are not covered for tube burn-in and all defects related to tube burn-in void and nullify the CRT warranty.

INFRARED ILLUMINATORS Seller warrants parts and labor for infrared illuminators (IRs) in accordance with the terms of the above limited warranty for a period of three (3) years from the date of manufacture. IR halogen lamps (bulbs) are warranted for ninety (90) days from the date of manufacture (or invoice as described above).

PAN TILT ZOOM - DOMES Seller warrants parts and labor for PTZ domes, in accordance with the terms of the above limited warranty for a period of two (2) years from the date of manufacture (or invoice as described above).

KEYBOARDS, CONTROLLERS AND ACCESSORIES Seller warrants parts and labor for keyboards, controllers and accessories in accordance with the terms of the above limited warranty for a period of one (1) year from the date of manufacture (or invoice as described above).

POWER SUPPLIES Seller warrants parts and labor for power supply products in accordance with the terms of the above limited warranty for a period of five (5) years from the date of manufacture.

SOFTWARE To the extent that any product includes software, whether it is included in a product furnished hereunder or provided separately, Seller warrants that such software will at the time of delivery by Seller, conform in all material respects to Seller's documentation relating to such software.

2. EXCLUSION OF WARRANTIES, LIMITATION OF LIABILITY

THERE ARE NO WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. TO THE FULL EXTENT PERMITTED BY LAW, IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY (i) CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING IN ANY WAY TO THE PRODUCT AND/OR FOR BREACH OF THIS OR ANY OTHER WARRANTY OR CONDITION, EXPRESS OR IMPLIED, OR UPON

IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY SELLER'S OWN NEGLIGENCE OR FAULT AND EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES OR DAMAGES. Any product description (whether in writing or made orally by Seller or Seller's agents), specifications, samples, models, bulletin, drawings, diagrams, engineering sheets, or similar materials used in connection with the Buyer's order are for the sole purpose of identifying the Seller's products and shall not be construed as an express warranty or condition. Any suggestions by Seller or Seller's agents regarding use, applications, or suitability of the products shall not be construed as an express warranty or condition unless confirmed to be such in writing by Seller. Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise, or that the products will in all cases provide adequate warning or protection. Buyer understands and will cause its customer to understand that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery or fire without warning, but it is not insurance or a guarantee that such will not occur or will not cause or lead to personal injury or property loss. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON ANY CLAIM AT ALL INCLUDING A CLAIM THE PRODUCT FAILED TO GIVE WARNING. However, if Seller is held liable whether directly or indirectly for any loss or damage with respect to the products it sells, regardless of cause or origin, its maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Seller.

3. LIMITATION ON LIABILITY TO BUYER'S CUSTOMERS

Buyer agrees to limit liability to its customers to the fullest extent permitted by law. Buyer acknowledges that Seller shall only be deemed to give consumers of its products such statutory warranties as may be required by law and at no time shall Buyer represent to its customers and/or users of the Seller's products that Seller provides any additional warranties. By accepting the products, to the fullest extent permitted by law, Buyer assumes all liability for, and agrees to indemnify and hold Seller harmless against and defend Seller from, any and all suits, claims, demands, causes of action and judgments relating to damages, whether for personal injury or to personal property, suffered by any person, firm, corporation or business association, including but not limited to, Buyer's customers and/or users of the products because of any failure of the products to detect and/or warn of the danger for which the goods were designed or any

other failure of the products whether or not such damages are caused or contributed to by the sole or joint concurring negligence or fault of Seller.

4. RETURNS AND REPAIRS

Subject to the terms and conditions listed below, during the applicable warranty period, Seller will repair or replace, at its sole option, free of charge any defective products returned prepaid. In the event you have a problem with any Seller product, please call and request a RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER from the Service Department.

In the USA and Canada, call 1-800-796-CCTV; please ask for Customer Service.

In Mexico, call 1-305-805-8188, Extension 7.

US Address	Canada Address	Mexico Address
12220 Rojas Drive, Suite 700 7151 Av. Rosa El Paso, TX USA 79936	St. Laurent, Quebec H4T1W6CAN	145 Barr, Unit 2 Ma. Y. Fuentes Juarez, Chihuahua Mexico 32320

Be sure to have the model number, serial number, and the nature of the problem available for the customer service representative. Prior authorization MUST be obtained for all returns, exchanges, or credits. ITEMS SHIPPED TO SELLER WITHOUT A CLEARLY IDENTIFIED RMA NUMBER MAY BE REFUSED.

Products returned will be tested to verify the defect. Upon verification of the defect, the product will be repaired, exchanged, or credited to Buyer's account, at the sole discretion of Seller. In the event of replacement, the returned product will be credited to Buyer's account and a new invoice issued for the replacement item. Seller reserves the right to issue a credit only in lieu of replacement. If the product is found to be in good working order or its inability to function properly is a result of user damage or abuse, the product will be returned in the same condition as received unless repair is possible and requested by Buyer. Repairs of such nature will incur a charge for parts and labor and will proceed only by agreement with Buyer to accept the charge.

Non-Warranty Repair Buyer will be charged for repairs on out of warranty product. Applicable charges will be calculated and quoted when an RMA number is issued. Charges may vary based on actual product condition. Buyer must pay shipping costs to the Seller Repair Department. Costs to repair and return defective products will be the responsibility of the Buyer. For all non-warranty repairs Buyer will be billed for parts, labor

and shipping. Non-warranty repairs are warranted for 90 days from date of repair.

Return for Credit Unused Product At its option, Seller may accept as a return for credit unused product in its original package and in a condition that could be sold as new provided the product was purchased from Seller no more than forty-five (45) days prior to the date of return. Buyer must provide proof of purchase within the preceding forty-five (45) days and method of payment. Returns must include all original instructions and packaging within the original box. Special order items are non-returnable (unless otherwise specified by Seller). All returns are subject to a fifteen percent (15%) restocking fee. For non-returnable items, no return privileges apply. Buyer must contact Customer Service and obtain a Return Authorization for Credit (RAC) number. Unauthorized returns are not accepted and will be returned freight collect.

Bad-Out-Of-Box Replacement Seller will replace select product that has failed upon initial install (bad-out-of-box). Defective product must be returned within thirty (30) days of the date of the initial product invoice. If returned product is determined not to be new equipment and/or not defective, the Buyer will be invoiced for the replacement product.

5. GOVERNING LAW

If the Buyer acquires the Seller's product in the United States of America, the laws of the State of New York apply to this Limited Warranty. If the Buyer acquires the Seller's product in Canada, except where expressly prohibited by local laws, the laws in force in the Province of Ontario, Canada apply to this Limited Warranty and each of the parties hereto irrevocably attorns to the jurisdiction of the courts of the Province of Ontario and further agrees to commence any litigation which may arise hereunder in the courts located in the Judicial District of York, Province of Ontario. If the Buyer acquires the Seller's product in Mexico, the laws in force in the Federal District of Mexico will apply to this Limited Warranty.

6. MISCELLANEOUS

Where any term of this Limited Warranty is prohibited by such laws, it shall be null and void, but the remainder of the Limited Warranty shall remain in full force and effect.

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