

Choose IP



PRODUCT SELECTION GUIDE

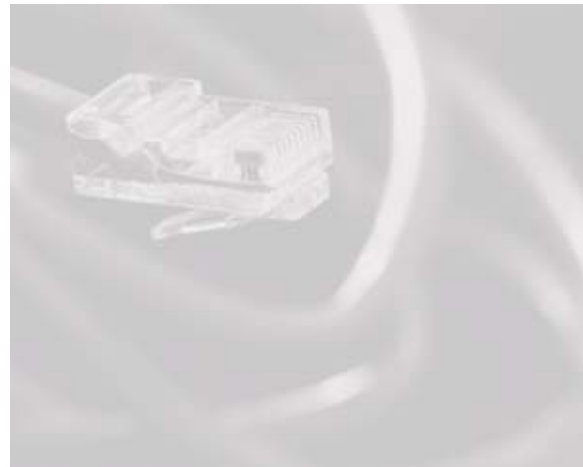
Your one stop shop for
IP security solutions.

Honeywell

A strong heritage



The security industry is built upon the heritage of analog CCTV. The perception of analog is that it's inexpensive, easy to install and simple to use, and there are a large variety of analog systems that meet specific needs such as low light or wide dynamic range scenes. Many security dealers continue to sell more, install more, and be more profitable with analog systems, so they see the value of analog security systems every day.



So why IP?

IP video surveillance sales will continue to grow at extraordinary levels and will eventually overtake analog CCTV sales. There are several good reasons to migrate to IP:

- Opens a world of possibilities like the ability to view high-quality, full-frame-rate video
- Provides cost efficiencies and the convenience of leveraging existing network infrastructure
- Maximizes your existing investment in analog components by integrating them with digital technologies
- Installs quickly and easily with auto-discovery tools
- Offers system scalability – add one camera at a time or hundreds; use a single client workstation/server configuration or expand to multiple client workstations and servers

Beginning a migration to IP-based systems is a necessary way to future-proof an organization and prepare for the day when IP will be the dominant architecture of video surveillance systems. Don't be left behind!

It's not a matter of if you migrate to IP. It's a matter of when.



Why Honeywell?

Migration to IP will be successful only if technology drives real, measurable value for security dealers and end users. This value is exactly where Honeywell has focused our R&D efforts – on developing IP products that:

- Are easy to install and easy to use
- Fit a broad range of applications that provide a real alternative to analog systems on everyday projects
- Can compete on performance with anything else in the marketplace

Our Open Technology Alliance forges strategic relationships with third-party manufacturers to give you ultimate flexibility when designing IP security systems—letting you capitalize on our open architecture and use the third-party equipment you already have in place to hold down costs and transition to IP with confidence and ease. Visit www.honeywellsecurity.com/hota to learn more.



Why partner with Honeywell for IP?

It's critical to partner with a leader who can open your world to the power of IP. For a complete IP security solution, open your door to the world's premier security provider. Customers have trusted us for over 80 years, and you can too, with an easy, cost-effective transition from analog to IP. Our IP offering includes:

- MAXPRO® VMS video management software
- A complete selection of recording devices
- A robust camera offering, including our new family of high definition cameras

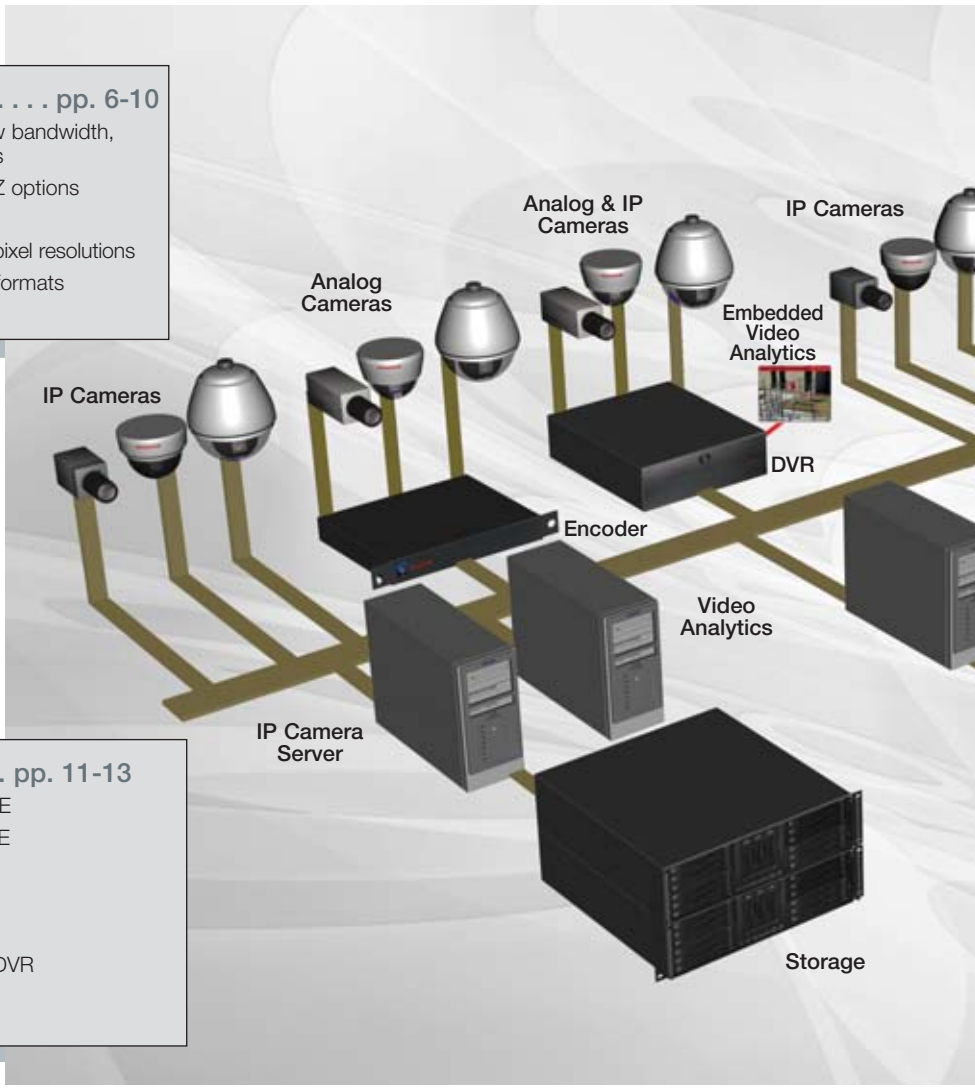
The price of IP is falling. The performance of IP is astounding. The time to migrate is *now*.

IP Security Surveillance



IP Cameras pp. 6-10

- Superb image quality, low bandwidth, less storage requirements
- Indoor, outdoor, box, PTZ options
- Standards compliant
- High definition and megapixel resolutions
- Selectable compression formats including H.264

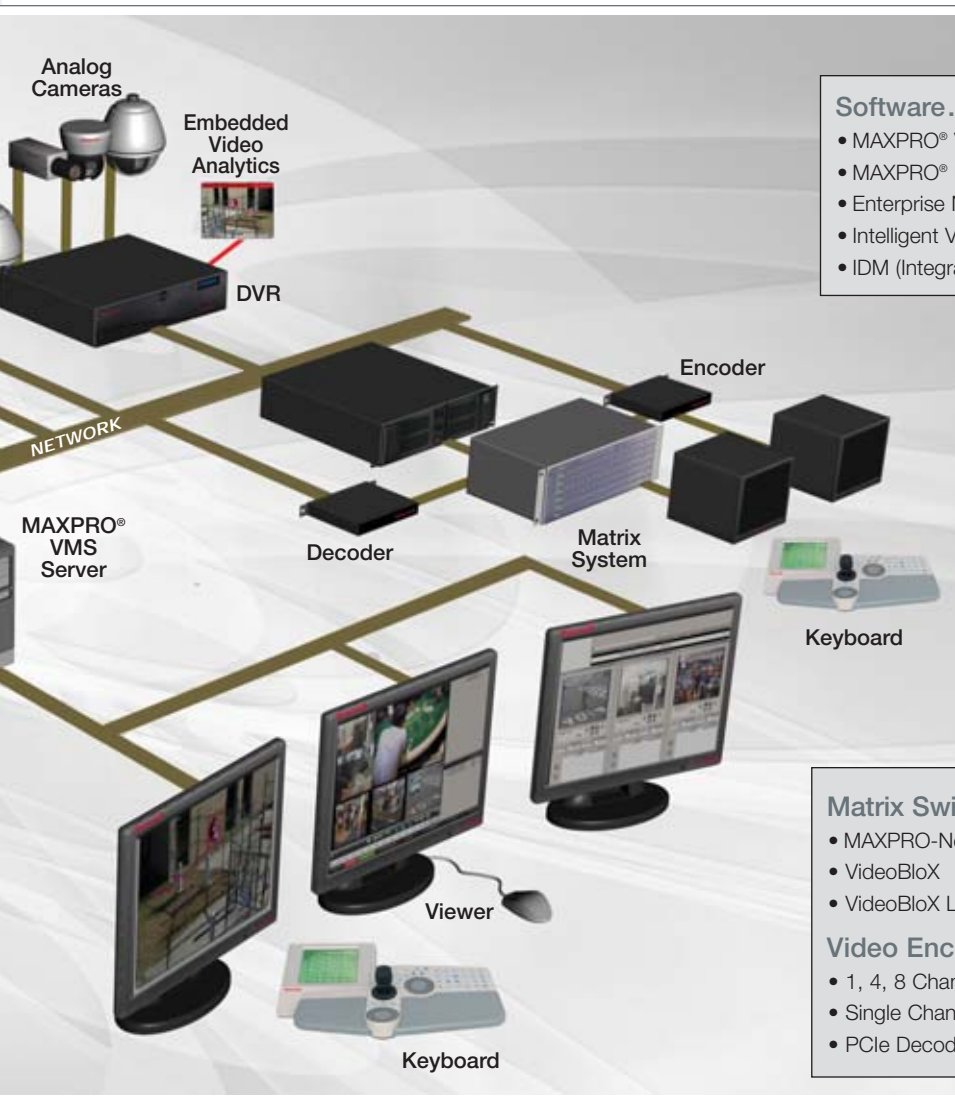


Recording Devices. . pp. 11-13

- MAXPRO® NVR Hybrid SE
- MAXPRO® NVR Hybrid XE
- MAXPRO® NVR PE
- MAXPRO® NVR SE
- MAXPRO® NVR XE
- Rapid Eye™ Hybrid HD DVR
- Fusion IV Hybrid DVR
- Enterprise System

Honeywell's IP security surveillance portfolio allows integration of a broader range of technology—including video analytics, high definition cameras and a powerful video management platform—into existing analog systems.

By integrating the latest in IP technology with traditional analog components, end users can better control operational costs and maximize existing investments in surveillance equipment.



Software pp. 14-15

- MAXPRO® VMS
- MAXPRO® NVR Software
- Enterprise NVR
- Intelligent Video Analytics
- IDM (Integrated Data Manager)

Matrix Switching Systems . . p. 15

- MAXPRO-Net
- VideoBloX
- VideoBloX Lite

Video Encoders/Decoders

- 1, 4, 8 Channel Encoders
- Single Channel Encoder/Decoder
- PCIe Decoder

Honeywell's IP camera portfolio includes a range of solutions to meet varying feature requirements for indoor and outdoor applications. Our Performance Series IP cameras are cost-effective solutions that are easy to operate and maintain no matter what the user's skill level—or their budget. For more extensive features and functionality with the same ease of use, choose Honeywell's equip® Series IP cameras.

	Performance Series	
	VGA	720p
Compression	H.264/MJPEG	H.264/MJPEG
Indoor Camera Part Number	HD44IP	HD45IP
Outdoor Camera Part Number	HD54IP	HD55IP
Image Sensor	1/4" CMOS	1/4" CMOS
Lens	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)	Vari-focal Auto Iris (f=1.6, 3.3-12 mm)
Minimum Illumination @ 50 IRE	0.25 lux color	0.25 lux color
Highest Resolution	640 x 480	1280 x 720
Bitrate @ Highest Resolution (Typical)	0.84 Mbps	1.8 Mbps
Storage/Day @ Highest Resolution	8.86 GB	18.98 GB
Automatic Electronic Shutter	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



Common Features		
	Indoor Minidomes	Outdoor Minidomes
Housing	Off White	Cool Gray Vandal Resistant
Scanning System	Progressive Scan	
Intelligent Video	Camera tamper dection. Video motion detection.	
S/N Ratio	50 dB (AGC off) or more	
Video Streaming	Dual streaming. Controllable frame rate and bandwidth. Constant or variable bit rate.	
Security	Multiple user access levels with password protection.	
Users	4 total (any combination of administrators and guests.	
Mounts	HD3-MK1 Wall/Pendant Mount Kit	HD4DIP-PK Pendant/Ceiling Mount HD4DIP-WK Wall Mount
Power Consumption	5.0 W (max)	
IP Rating		IP66 Rating
Other	Digital Noise Reduction	

Minidomes

equiP® Series

	720p	720p	Wide Dynamic 720p	1080p
	MPEG4 and MJPEG	H.264 and MJPEG	H.264 and MJPEG	H.264 and MJPEG
	HD3MDIP	HD3MDIH	HD3MWHI	HD3HDIH
	HD4MDIP	HD4MDIH	HD4MWHI	HD4HDIH
	1/4" CMOS	1/4" CMOS	1/3" CMOS	1/2.7" CMOS
	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, 3.3-12mm)	Motorized Focus and Zoom (f=1.2, 3-9mm)
	0.25 lux color 0.22 lux BW	0.25 lux color 0.22 lux BW	0.14 lux color 0.1 lux BW	0.25 lux color 0.22 lux BW
	1280 x 720 3 Mbps 31.64 GB	1280 x 720 1.8 Mbps 18.98 GB	1280 x 720 2.7 Mbps 28.48 GB	1920 x 1080 3.0 Mbps 31.6 GB
	1/60 - 1/24,500 sec	1/60 - 1/24,500 sec	1/30 - 1/87,000 sec	1/30 - 1/130,000 sec
	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 1	24 VAC, PoE IEEE 802.3af, Class 2	24 VAC, PoE IEEE 802.3af, Class 2



HCD5HIH

Description	HD 1080p (1920x1080), H.264 True Day/Night			
Housing Color	Cool Gray			
Scanning System	Progressive Scan			
Image Sensor	1/2.7" CMOS			
Lens	DC Iris Level 1-25			
Minimum Illumination	0.18 lux color 0.15 lux BW			
Video Compression	H.264 and MJPEG			
Resolution		Bit Rate H.264 (Typical)*	Frame Rate	Storage/Day (GB)
	1920x1080	3.0 Mbps	30	31.6
	1280x720	1.4 Mbps	30	14.8
	800x450	0.75 Mbps	30	7.91
	640x360	0.4 Mbps	30	4.22
	320x180	0.2 Mbps	30	2.11
<i>*Actual bit rate is scene and motion dependent with H.264 stream</i>				
Frame Rate	Up to 30 fps			
Audio/Two-Way				
Intelligent Video	Camera tamper detection			
S/N Ratio	50 dB (AGC off) or more			
Automatic Electronic Shutter	1/30-1/130,000 sec			
Video Streaming	Dual Streaming. Controllable frame rate and bandwidth. Constant or variable bit rate.			
Security	Multiple user access levels with password protection			
Users	4 total (any combination of administrators and guests)			
Input Voltage	24 VAC, PoE IEEE 802.3af, Class 2			
Power Consumption	5.0 W (max)			
Other	PSIA Support			
Indoor Mounts	HBC5WT Wall/Ceiling Mount, White			
Environmental Housings	HHC12 (finished assembly performs well in environments ranging from 4°F to 140°F)			
Indoor/Outdoor Mounts				

IP Cameras

Box Cameras

HCD5WIH				HCD5MIH				HCD554IP																																																	
HD 720p (1280x720), Wide Dynamic, H.264 True Day/Night				HD 720p (1280x720), H.264 True Day/Night				Super High Res: 540 TVL True Day/Night																																																	
Cool Gray				Cool Gray				Cool Gray																																																	
Progressive Scan				Progressive scan				525/60 lines																																																	
1/3" CMOS				1/4" CMOS				1/3" CCD																																																	
DC Iris Level 1-25				Recommended Lens: HLD3V8MPD 3-8 mm High definition megapixel lens HLM45V13MPD 4.5-13.2 mm High definition megapixel lens				DC Iris Level 1-25																																																	
0.1 lux color 0.07 lux BW				0.6 lux color 0.4 lux BW				0.6 lux color 0.4 lux BW																																																	
H.264 and MJPEG				H.264 and MJPEG				MPEG-4 Part 2 (ISO/IEC 14496-2) SP level 0-3																																																	
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				Line in/out				Line in/out																																																	
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Dual Streaming. Controllable frame rate and bandwidth. Constant or variable bit rate.				Dual streaming. Controllable frame rate and bandwidth. Constant or variable bit rate.				MPEG-4 controllable frame rate and bandwidth. Constant or variable bit rate.																																																	
Multiple user access levels with password protection				Multiple user access levels with password protection				Multiple user access levels with password protection																																																	
4 total (any combination of administrators and guests)				1 Administrator, 3 Guests				1 Administrator, 4 Guest (unicast)																																																	
24 VAC, PoE IEEE 802.3af, Class 2				24 VAC, PoE IEEE 802.3af, Class 1				12 VDC/24 VAC, PoE IEEE 802.3af																																																	
5.0 W (max)				5.0 W (max)				8 W (max)																																																	
PSIA Support				PSIA Support																																																					
HBC5WT Wall/Ceiling Mount, White				HBC5WT Wall/Ceiling Mount, White HBC5BK Wall/Ceiling Mount, Black				HBC5WT Wall/Ceiling Mount, White HBC5BK Wall/Ceiling Mount, Black																																																	
HHC12 (finished assembly performs well in environments ranging from 4°F to 140°F)				HHC12WM (with Wall Mount) HHC12WM2 (with Wall Mount and Heater Blower)				HHC12WM (with Wall Mount) HHC12WM2 (with Wall Mount and Heater Blower)																																																	
				HHMW13 Wall Mount HHMC21J Ceiling "J" Mount				HHMW13 Wall Mount HHMC21J Ceiling "J" Mount																																																	

IP Cameras



	PTZ Domes			
	ACUIX™ In-ceiling	ACUIX™ Indoor	ACUIX™ Outdoor	ACUIX™ Rugged
Description	High-speed dome system with multiple housings, cameras blocks, resolutions			
Housing Color	n/a	Warm Gray, Black	Warm Gray	Warm Gray
Cameras (applicable to PTZs)	35X, 26X, 18X, 18X Color			
Image Sensor	1/4" Ex-view HAD CCD			
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			
Minimum Illumination	35X: 0.5 lux color, 0.15 lux B/W 26X: 1.0 lux color, 0.15 lux B/W 18X: 0.7 lux color, 0.15 lux B/W 18X Color: 0.7 lux color			
Video Compression	MPEG-4 Part 2 (ISO/IEC 14496-2) SP level 0-3			
Resolution	704x480 4CIF 704x240 2CIF 352x240 CIF			
Frame Rate	Up to 30 fps			
Intelligent Video	Camera tamper detection			
S/N Ratio	>50 dB			
Automatic Electronic Shutter	35X: 1/2-1/30,000 sec 26X, 18X, 18X Color: 1/1-1/10,000 sec			
Video Streaming	Controllable frame rate and bandwidth. Constant and variable bit rate (MPEG-4).			
Security	Multiple user access levels with password protection			
Users	5 simultaneous unicast			
Input Voltage	24 VAC @ 50/60 Hz, Class 2 LPS			
Power Consumption	41 W Peak, 29 W Idle		55 W Peak, 41 W Idle	
Other	Wide Dynamic Range (128X) on 35X, 26X, 18X (not on 18X Color) True Day/Night on 35X, 26X, 18X (not on 18X Color) Electronic Image Stabilization on 35X Moveable IR Filter on 35X, 26X, 18X (not on 18X Color) up to 150 presets per dome 16 tours with up to 64 presets per tour			
Indoor Mounts		HDCM1 Ceiling Mount HDWWM1 Wall Mount HDXWM1B Wall Mount, Black		
Indoor/Outdoor Mounts		HDXWM2 Wall Mount, Warm Gray HDPRM2 Parapet & Flat Roof, Warm Gray		
Adapters		For HDXWM2: HDXPMA1 Pole Mount Adapter HDXCMA1 Corner Mount Adapter		

IP Recording Devices



Hybrid Recorders

	MAXPRO® NVR Hybrid		Rapid Eye™ Hybrid	Fusion IV
	XE	SE	HD, LT	
Analog Video Inputs	16 (Looping with accessory cable), BNC	16 Looping, BNC	HD - 16 Looping, BNC; LT - 4 or 8 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 a combined total of 32 channels of analog and IP cameras	HD - Up to a combined total of 16 channels of analog and IP cameras LT - Up to a combined total of 4/8 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	Analog Cameras: Server based VMD (Smart VMD). IP Cameras: Server based VMD (Smart VMD) or Camera based - Motion, Blur, Blinding, Scene Change		HD - Server based VMD (Smart VMD) for analog. Up to 8 Channels (Optional) Embedded Active Alert Video Analytics LT - Server based VMD (Smart VMD) for analog	Requires external analytics server
Data Capture (POS/ATM/ALARM)	Yes Alarm Integrated with POS/ATM Optional (IDM)		Yes	Yes
Video Outputs (Local)	Main out: DVI-I cw VGA adapter or HDMI, Spot out: RCA		HD - Main out: VGA/HDMI, Spot out: BNC LT - Main out: VGA, Spot out: BNC	Main out: DVI-I cw VGA adapter and HDMI, Spot out: RCA
IPS Recorded	16 channels with all 16 analog at 480 fps @ CIF or 120 fps @ 4CIF, combination of 8 analog with 100 fps @ 4CIF and 8 IP with 240 fps @ 720p HD or 200 fps @ 1080p HD, and all 16 IP with 480 fps @ 4CIF/VGA/720p HD or 400 fps @ 1080p HD. Network bandwidth/throughput - Incoming: 65 Mbps, Outgoing: 65 Mbps, Total: 130 Mbps	32 channels with combination of 16 analog with 480 fps @ CIF or 120 fps @ 4CIF and 16 IP with 320 fps @ 1080p HD OR all 32 IP with 960 fps @ 720p HD or 640 fps @ 1080p HD. Network bandwidth/throughput - Incoming: 120 Mbps, Outgoing: 120 Mbps, Total: 240 Mbps	HD - 120, 480; LT - 120	120, 240, 480
Compression	MPEG-4, H.264. IP Camera dependent		Modified H.261/263 (Rapid Eye proprietary)	MPEG-4, MJPEG, H.264
Record Resolution	Analog: 360x240, 720x240, 720x480 IP: Camera dependent		Analog: 160x120, 320x240, 640x240, 640x480, 704x480 IP: 320x180, 352x240, 640x360, 704x240, 704x480, 800x450, 1280x720, 1920x1080	Analog: 360x240, 2720x240, 720x480 IP: Camera dependent, up to 5 megapixel See Document 800-07870 for additional camera support details
Operating System	Windows Embedded Standard 7 SP1, 64-bit		Linux	Windows 7 embedded
Internal Storage	1 TB, 2 TB, 3 TB	1 TB, 2 TB, 3 TB, 4 TB, 6 TB, 8 TB, 9 TB, 12 TB 4 removable drives	HD - 1 TB, 2 TB field expandable up to 8 TB LT - 1 TB, 2 TB	1 TB, 2 TB, 4 TB, 8 TB
Audio Channels	IP camera dependent. 1 audio per video		2	4, 8 or 16 DVR model dependent, one audio output. See Fusion datasheet for details.
Alarm Inputs/Control Outputs	16 Inputs, 16 Outputs, 1 Analog PTZ control (RS485)		HD - 16 inputs, 8 outputs, plus fault relay LT - 4 or 8 inputs, 4 outputs, plus fault relay	8 – 8 channel 16 – 16 channel/32 channel
DVD Drive	DVD-RW		Yes	Yes
USB Ports	8 ports		HD - 6 ports LT - 4 ports	8 ports
Dimensions (WxDxH)	17.8" x 16.3" x 3.5"	21.75" x 17.3" x 7"	HD - 17.28" x 20.85" x 5.23" LT - 11.75" x 11.12" x 3.95"	17.3" x 21.75" x 7.0"
Networks Ports	2 (1 onboard + 1 USB Network adapter)	2	1	1 + 1 optional
Software				
OS Support for the Remote Viewing Software	Desktop Client: Windows 7 Professional 32/64-bit SP1, Windows Server 2008 R2 SP1 Web Client: Windows, Mac; Mobile App: iOS, Android		Windows 7, Windows XP or Windows 2000	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	Desktop Client: Yes, Web Client: Presets		Yes	Yes
Audio	Desktop Client: Yes		Yes	Yes
Retrieve	Yes		Yes	Yes
Clip Generation	Desktop Client: Yes (video)		Video & audio	Video & audio
Searches	Desktop Client: Time/date timeline, time jump FWD/REV, bookmarks, calendar, preview, film strip and event search		Motion, time & date, preview, object, status	Motion, preview, object, status, date & time, text
Remote Access Software	Included (Desktop and Web Client, Mobile App), Free multi-site also available		Included	Included (HFRVS & HFVMS)
Remote View Software Capacity - Per Recorder				
Max Live Video Streams	Desktop Client: 160 Web Client: 32 (Live + Retrieval)		1024	Analog cameras: Up to 64 channels using MJPEG Network video: Up to 4 – 32 channels, DVR/camera configuration dependent
Max Video Retrieval Sessions	Desktop Client: 32 Web Client: 32 (Live + Retrieval)		32	Up to 4 simultaneous
Users	1024		10	Up to 5 simultaneous (1 – Admin, up to 4 live view/retrieval)
Alarm Notification	Desktop Client: Yes		Yes	Yes

IP Recording Devices



Hardware NVRs (Boxed)

	MAXPRO® NVR PE (Professional Edition)	MAXPRO® NVR SE (Standard Edition)	MAXPRO® NVR XE (Xpress Edition)
Video Inputs	Max 32	Max 32	Max 8 or 16
IP Streams	Up to 32	Up to 32	Up to 8/16
Video Analytics	IP Cameras: Server based VMD (Smart VMD) or Camera based - Motion, Blur, Blinding, Scene Change		
Data Capture (POS/ATM/ALARM)	Yes - Alarm Integrated through camera based IO, POS/ATM Optional (IDM)		
Video Outputs (Local)	DVI-I cw VGA adapter or HDMI	DVI-I cw VGA adapter and HDMI	HDMI or VGA or DVI-D or Display port
IPS Recorded	960@4CIF/VGA or 960@720p HD or 640@1080p HD Network bandwidth/throughput - Incoming: 120 Mbps, Outgoing: 120 Mbps, Total: 240 Mbps	960@4CIF/VGA or 960@720p HD or 640@1080p HD Network bandwidth/throughput - Incoming: 120 Mbps, Outgoing: 120 Mbps, Total: 240 Mbps	480@4CIF/VGA or 480@720p HD or 400@1080p HD Network bandwidth/throughput Incoming: 65 Mbps, Outgoing: 65 Mbps, Total: 130 Mbps
Compression	MPEG-4, H.264 IP Camera dependent		
Record Resolution	Various settings including HD IP Camera dependent		
Operating System	Windows Embedded Standard 7 SP1, 64-bit		
Internal Storage	4 TB to 24 TB raw storage, RAID 5/6 support 8 removable drives	1 TB, 2 TB, 3 TB, 4 TB, 6 TB, 8 TB, 9 TB, 12 TB, 15 TB, 18 TB, 20 TB, 24 TB 6 removable drives	1 TB, 2TB, 3 TB Fixed drives
Audio Channels	IP camera dependent. 1 audio per video		
Alarm Inputs/ Control Outputs	Camera dependent		
DVD Drive	Yes	Yes	Yes
USB Ports	8 ports	8 ports	8 ports
Network Ports	2	2	2
Dimensions (WxDxH)	16.9" x 26" x 3.5"	19.0" x 27.0" x 3.5"	13.00" x 15.66" x 3.78"
Software			
OS Support for the Remote Software	Desktop Client: Windows 7 Professional 32/64-bit SP1, Windows Server 2008 R2 SP1 Web Client: Windows, Mac; Mobile App: iOS, Android		
Local User Interface	Yes		
Graphical User Interface	Yes		
Live Video	Yes		
PTZ Control	Desktop Client: Yes, Web Client: Pres		
Audio	Desktop Client: Yes		
Retrieve	Yes		
Clip Generation	Desktop Client: Yes (video)		
Searches	Desktop Client: Time/date timeline, time jump FWD/REV, bookmarks, calendar, preview, film strip and event search		
Remote Access Software	Included (Desktop and Web Client, Mobile App), Free multi-site also available		
Remote View Software Capacity Per Recorder			
Max Live Video Streams	Desktop Client: 160 Web Client: 32 (Live + Retrieval)		
Max Video Retrieval Sessions	Desktop Client: 32 Web Client: 32 (Live + Retrieval)		
Users	1024		
Alarm Notification	Desktop Client: Yes		

Software NVRs

MAXPRO® NVR Software	Enterprise System
Max 4,8, 16 or 32	Unlimited
Up to 4,8, 16 or 32	999,000
	Standard motion detection included on unlimited channels Advance motion detection optional per channel
	Yes Alarm Integrated with POS/ATM Optional
Server hardware dependent	Workstations optional Decoder outputs
Server hardware dependent - Minimum hardware specs recommended for various IPS	System dependent
	Analog, MJPEG, MPEG-1, MPEG-2, MPEG-4, H.264
	IP Camera dependent
Windows 7 Professional 32-bit or 64-bit, SP1 Windows Server 2008 R2 SP1, Virtualization - VMware	Windows XP, Windows 7 Professional/Ultimate (64-bit), Windows 2003 Server, Windows 2008 Server R2 (64-bit)
Server hardware dependent	Server hardware dependent
	1 audio per video
	Optional unlimited Integrated optional
Server hardware dependent	Server hardware dependent
Server hardware dependent	Server hardware dependent
Server hardware dependent	Server hardware dependent
Server hardware dependent	Server hardware dependent
	Windows XP, Windows 7 Professional/Ultimate (64-bit), Windows 2003 Server, Windows 2008 Server R2 (64-bit)
ets	Yes
	Video & audio
ch	Time/date, motion event, preview, object, status, data, event
	Licensed or web viewer
	Hardware dependent
	Near unlimited
	Near unlimited



IP Video Management System

Our MAXPRO® VMS video management system controls multiple sources of video subsystems to enhance your video surveillance experience with maximum efficiency and minimum effort. New to the lineup is MAXPRO® Viewer, a free multi-site viewing software that can easily be upgraded to MAXPRO VMS when additional functionality is required.




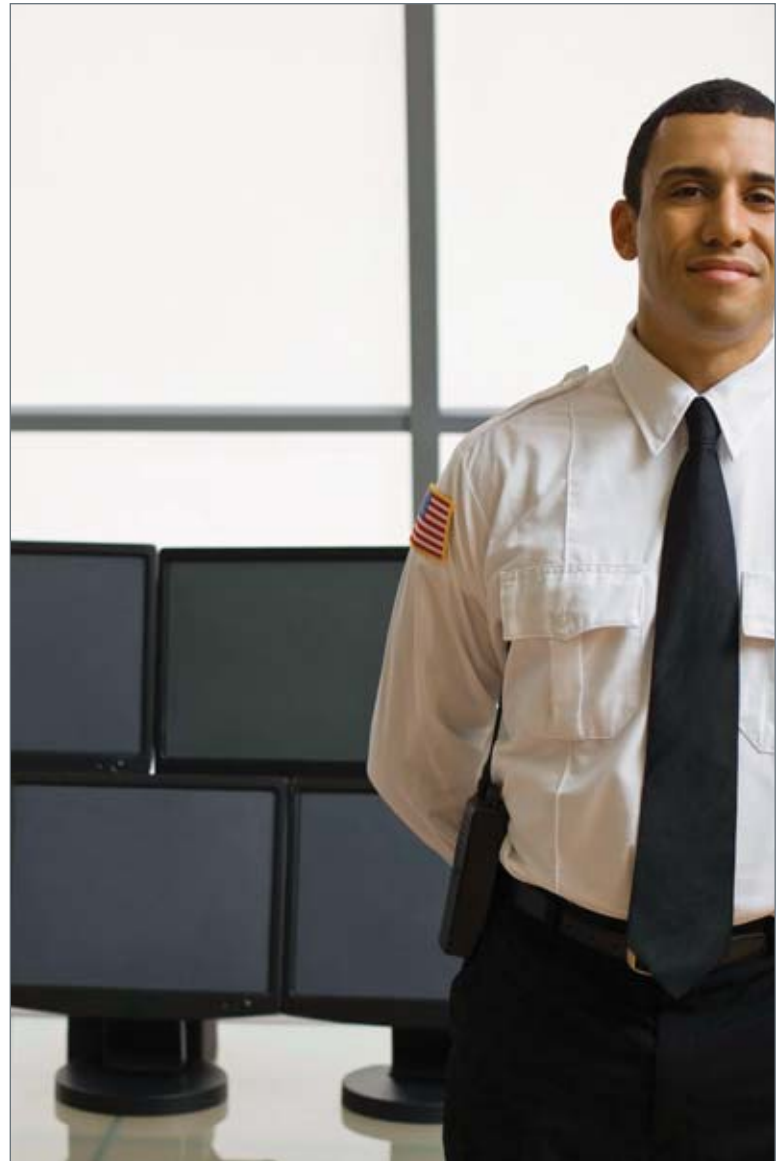
	MAXPRO® VMS	MAXPRO® Lite	MAXPRO® Viewer
Maximum Number of Cameras	64, Unlimited upgrade	64, Upgrade to 128 max	1600
Maximum Number of Clients	1, Unlimited upgrade	1, Upgrade to 3 max	5
Video Retention Time	Unlimited		View only
Video Export Format	Secure Data Container, MPEG, WMV, AVI (depends on DVR/NVR)		WMV (depends on DVR/NVR)
Video Digital Certificate	Yes, includes verification utility/viewer		
Archiving to Network Storage	Yes, depends on NVR		View only system
Reporting	Yes, report system and user events		No
Access Control Integration*	Yes, Pro-Watch® and third-party alarms, simple ASCII interface also available	Yes, Pro-Watch® and simple ASCII interface also available	Yes, Pro-Watch®
Matrix Switcher Integration*	Yes, VideoBloX, MAXPRO and third-party switchers	Yes, VideoBloX and MAXPRO	No
True Hybrid Matrix	Yes, view analog cameras on digital monitors and IP cameras through analog matrix		No
DVR/NVR Integration*	Yes, Rapid Eye™, Fusion, Enterprise, MAXPRO® NVRs (hardware and software), IP Engine (DVM upgrade), HRSD, HRXD and third-party recorders	Yes, Rapid Eye™, Fusion, Enterprise, MAXPRO® NVRs (hardware and software), IP Engine (DVM upgrade), HRSD and HRXD	Yes, Rapid Eye™, Fusion, Enterprise, MAXPRO® NVRs (hardware and software), MAXPRO® NVR SE, HRSD, HRDP and HRXD
SDK Availability	Yes, powerful SDK available for third-party integration		No
Support for Video Analytics	Yes, server or camera based, NVR/DVR specific		No
MAXPRO VMS Server Redundancy	Yes		No
NVR/DVR Redundancy	Yes, NVR/DVR specific		
Encoder Redundancy	Yes, encoder specific		Not applicable
Centralized Management	Yes, manage all users and devices locally or remotely		No
Database Format	SQL Express optional full SQL		SQL Express
Macro Language	Yes, create elaborate custom actions based on system events and user inputs		No
Map Function	Yes		No
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		View only system
Video Wall	Yes, control any system monitor digital or analog from any workstation or UltraKey controller keyboard		No
Custom Salvo	Yes, create custom "My Salvo" and "Shared Salvo"		Yes, "Shared Salvo"
Operator Messaging	Yes, broadcast message to another operator or monitor with video push		No
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 timeline, snapshot, jump FWD/REV, bookmarks, events		Time/date timeline, snapshot, jump FWD/REV, events

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

IP System Components

Honeywell's IP portfolio includes a wide range of system components including compatible software, encoders, decoders, matrix switching solutions and keyboards.

<p>Software</p>	<p>Keyboards</p>
 <p>Video Analytics Detect, analyze, track and classify behavior</p>	 <p>UltraKey Plus HJK7000 Video management color touchscreen programmable keyboard</p>
 <p>IDM Video and data transaction integration</p>	 <p>UltraKey Lite HJC5000 Video management touchscreen programmable keyboard</p>
<p>Matrix Switching Solutions</p>  <p>MAXPRO-Net Expandable video and audio management system</p>	 <p>UltraKey Touch HJC4000 Digital video recorder and PTZ dome controller</p>
 <p>VideoBloX Video and audio high capacity crosspoint matrix switch</p>	<p>Encoders/Decoders</p> 
 <p>VideoBloX Lite Video and audio pre-configured crosspoint matrix switch up to 96 cameras</p>	<p>HVE1 1 Channel Encoder HVE4 4 Channel Encoder HVE8 8 Channel Encoder HE8N240E4 8 Channel Encoder HE130D Single Channel Encoder/Decoder HE130PD PCIe Decoder</p>
<p>Upgrade analog video signal to digital format, or convert digital video signal to analog format</p>	<p>Upgrade analog video signal to digital format, or convert digital video signal to analog format</p>



Choose Honeywell...
and begin the transition to IP security with confidence and ease.

For more information

call 1-800-323-4576

or visit www.honeywellipsolutions.com

For more information:

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