

## MAXPRO® VMS

www.honeywellvideo.com

### VIDEO MANAGEMENT SYSTEM

Honeywell's MAXPRO® VMS (video management system) controls multiple sources of video subsystems in a facility to collect, manage and present video in a clear and concise manner. MAXPRO VMS intelligently determines the capabilities of each subsystem across various sites, allowing video management of any analog or digital video device through a unified configuration and viewer. The subsystems can be analog matrix switches or digital/network video recorders allowing any analog or digital input to be viewed on any analog or digital monitor. Users can benefit from using traditional analog systems and IP-network systems at the same time to ensure maximum use of their initial investments. These subsystems can range from Honeywell and third party matrix switchers and DVR/NVRs.

Control of MAXPRO VMS can be through a traditional joystick controller, mouse or even through third party interface. The extremely powerful rules engine allows customization of the system to respond and control in the best possible manner for the application. MAXPRO VMS is highly scalable so users can easily expand their video surveillance network as required. Using an open architecture framework, MAXPRO VMS is able to integrate with existing video infrastructures and a multitude of third-party recorders and devices available now and in the future. Additionally, MAXPRO VMS includes integration with Honeywell's Pro-Watch® security management system, Active Alert® and People Counter video analytics, as well as other Honeywell products and solutions. The feature-rich user interface truly offers a unified management platform across many disparate systems to further embody Honeywell's concept of "Learn One, Know Them All."

#### Market Opportunities

MAXPRO VMS is ideal for facilities requiring at-risk critical infrastructure protection such as airports, seaports, large multi-site commercial buildings, casinos, and other high-profile facilities. It is the perfect client-server video management solution for locations requiring the use of both digital and analog technologies.

#### Features

- Feature-rich and user-friendly interface to view video from numerous different recorders from a single point
- Role-based operator privileges
- Redundant server configuration increases system reliability
- Operators can log on using their local language and the built-in messaging system allows operators to share video scenes via instant messages.
- Auto-discovery of cameras connected to MAXPRO NVR Rapid Eye, Fusion, IP Engine and Enterprise recorders
- User-defined macros let you execute commonly performed operations with ease
- An extremely powerful macro programming language is available to fully customize actions based on events
- Surrounding cameras mode with presets, makes following subjects of interest simple and efficient by allowing the nearest camera of interest to be immediately in view
- Incident management mode allows creating a single clip with multiple cameras at different times that can be played back sequentially or simultaneously through a salvo layout
- Remote monitor mode allows sharing and controlling a remote monitor while still viewing locally
- Control any analog or digital monitor from a single workstation or joystick keyboard. Allows the system to be used as a true analog and digital matrix.
- Ability to investigate events and alarms by simultaneously viewing alarm video at various stages. For every alarm, users can view the video captured during pre-alarm, on-alarm, post-alarm, and also view live video from the camera which triggered the alarm.
- Enriched video viewing experience through intuitive video rendering engine optimizes CPU utilization by altering the video frame rate
- Search and find video through event view or timeline. Preview search allows viewing a snapshot at various times to quickly narrow the scene of interest.
- Commentable bookmarks allow users to tag scenes of interest so as to easily return to scenes of interest
- VMS in VMS feature allows parent/child topology of numerous MAXPRO VMS systems, discover, view video and receive events from other MAXPRO VMS systems



MAXPRO VMS Client Viewer 2x2

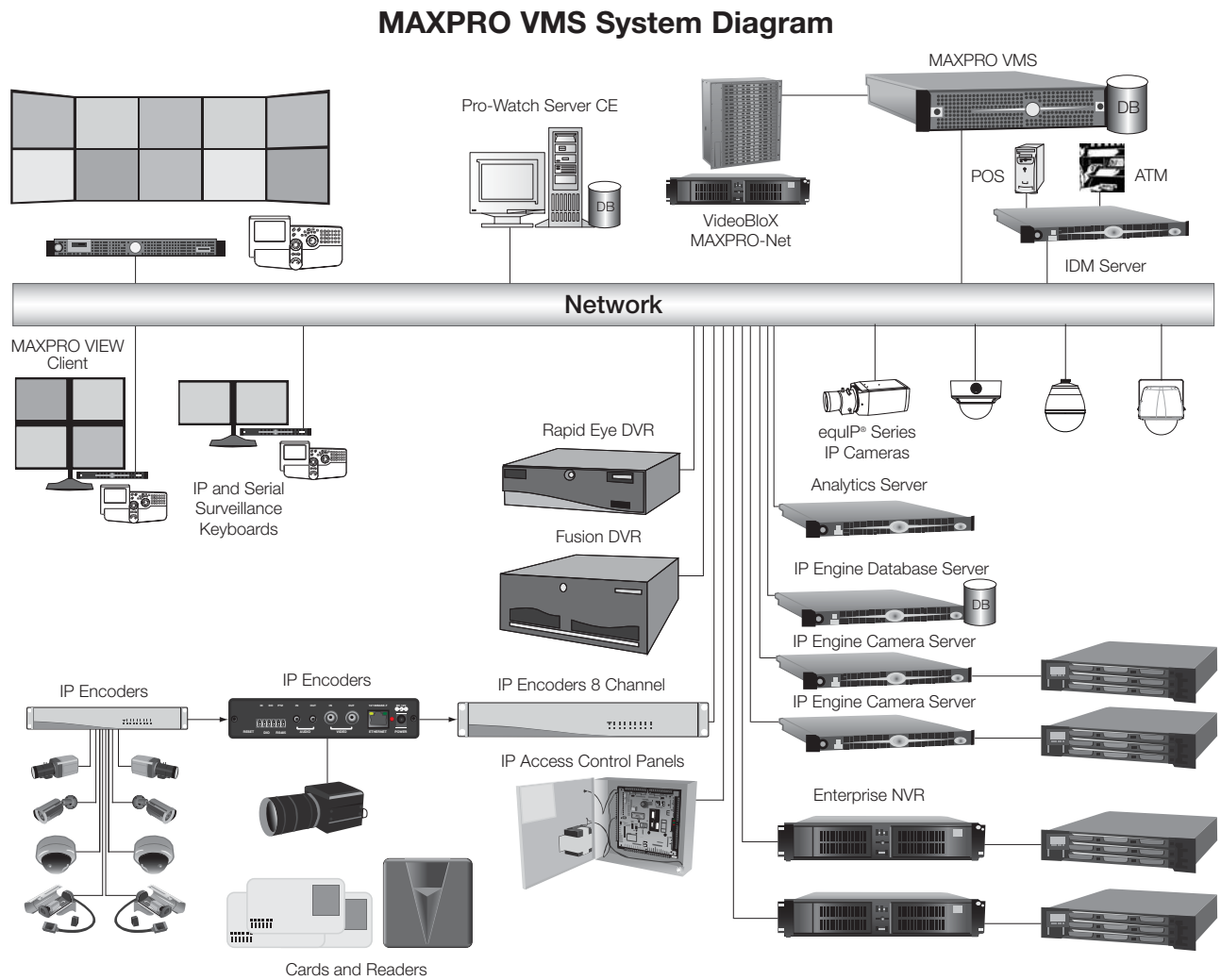


MAXPRO VMS Client Viewer 4x4

## ARCHITECTURE

MAXPRO VMS is based on client-server architecture for maximum flexibility, customization and integration. It offers one-click migration support from analog matrix systems. The MAXPRO VMS client enables the monitoring of sites and the configuration of video devices such as cameras, monitors, keyboards, etc. The MAXPRO VMS server consists of the MAXPRO VMS framework controller and database, and other core components.

The following diagram illustrates the MAXPRO VMS architecture and associated components:



## RECOMMENDED HARDWARE SPECIFICATIONS

Specification for the MAXPRO VMS Standard Server	
Processor	Dual Core Intel® Xeon® 3.0 GHz
Memory	Minimum 4 GB of RAM
Hard Disk	Two separate hard drives or two sets of RAID arrays 10K RPM SATA 150 GB or 10K-15K RPM SAS 146 GB
Secondary Storage	DVD-R drive and a 3.5" 1.44 MB floppy disk drive
NIC	1 Gigabit network interface card or compatible pair
Keyboard / Mouse	12 function-key keyboard and mouse
Graphics Adapter	Display adapter that supports 32-bit color or higher
Operating System Options	Windows Server 2003 R2 (32-bit only) or Windows Server 2008 R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO VMS Server
Virtual Environment (server only)	VM Ware ESX Ver 4 & V Sphere 4 compliant
Monitor Resolution	1280x1024 pixels; 65K colors non-interlaced
Specification for the MAXPRO VMS Standard Client	
Processor	Intel™ Core®2 Duo 3.00 GHz Dual Core 3.00 GHz/1333 MHz/4 MB L2
Memory	Minimum 4 GB of RAM
Hard Disk	Single separate hard drive or one RAID array utilizing 10K RPM SATA 150 GB or 10K-15K RPM SAS 146 GB
Secondary Storage	DVD-RW drive and a 3.5" 1.44 MB floppy disk drive
NIC	1 Gigabit network interface card
Keyboard / Mouse	12 function-key keyboard and mouse
Graphics Adapter	Display adapter - Direct X 9 compatible 256 MB per monitor or greater
Operating System Options	Microsoft® Windows XP Professional SP2 (32-bit only) or Windows 7 Pro (32-bit and 64-bit)
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO VMS Server
Monitor Resolution	1280x1024 pixels; 65K colors non-interlaced

Specification for the MAXPRO VMS Performance Server	
Processor	Quad Core Intel® Xeon® 3.0 GHz
Memory	Minimum 4 GB of RAM
Hard Disk	Two separate hard drives or two sets of RAID arrays 10K RPM SATA 150 GB or 10K-15K RPM SAS 146 GB
Secondary Storage	DVD-R drive and a 3.5" 1.44 MB floppy disk drive
NIC	1 Gigabit network interface card or compatible pair
Keyboard / Mouse	12 function-key keyboard and mouse
Graphics Adapter	Display adapter that supports 32-bit color or higher
Operating System Options	Windows Server 2003 R2 (32-bit only) or Windows Server 2008 R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO VMS Server
Virtual Environment (server only)	VM Ware ESX Ver 4 & V Sphere 4 compliant
Monitor Resolution	1280x1024 pixels; 65K colors non-interlaced
Specification for the MAXPRO VMS Performance Client	
Processor	Intel™ Core®2 Extreme 3.00 GHz Quad Core 3.00 GHz/1333 MHz/12 MB
Memory	Minimum 4 GB of RAM
Hard Disk	Single separate hard drive or one RAID array utilizing 10K RPM SATA 150 GB or 10K-15K RPM SAS 146 GB
Secondary Storage	DVD-RW drive and a 3.5" 1.44 MB floppy disk drive
NIC	1 Gigabit network interface card
Keyboard / Mouse	12 function-key keyboard and mouse
Graphics Adapter	Display adapter - Direct X 9 compatible 256 MB per monitor or greater
Operating System Options	Microsoft® Windows XP Professional SP2 (32-bit only) or Windows 7 Pro (32-bit and 64-bit)
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO VMS Server
Monitor Resolution	1280x1024 pixels; 65K colors non-interlaced

## ORDERING INFORMATION

<b>MAXPRO VMS - Part Numbers and Licensing</b>			
<b>MAXPRO VMS - Base Software and Licenses</b>			
HNMSWVMS	VMS Base Software includes: MAXPRO VMS, SQL 2008 Express, includes Licenses for One (1) MAXPRO VIEW Client, with 64-channel interface to Rapid Eye DVR, MAXPRO NVR Series, Fusion DVR, IP Engine, Enterprise NVR , MAXPRO-Net and VideoBloX Matrix Switch.		
SSAHNMBASE	Annual software support agreement - MAXPRO VMS Base software		
HNMSWRED	MAXPRO VMS redundant license for redundant server - required when using server failover software		
<b>MAXPRO Client License - one license per connected workstation (Client application can run multiple instances)</b>			
HNMSWCL	MAXPRO View - Single Client License		
SSAHNMW1	Annual software support agreement - Single (1) Client		
SSAHNMW5	Annual software support agreement - Five (5) Client		
SSAHNMW10	Annual software support agreement - Ten (10) Client		
<b>MAXPRO VMS Base Channel License</b>			
HNM64	Additional 64 Base Channels		
HNM128	Additional 128 Base Channels		
HNM192	Additional 192 Base Channels		
HNM256	Additional 256 Base Channels		
HNM384	Additional 384 Base Channels		
HNM448	Additional 448 Base Channels		
HNM512	Additional 512 Base Channels		
<b>MAXPRO VMS Adapters</b>			
HNMPDX64	Pelco DX8100 Adapter - 1 per system (Rev 1.1.00.2508)		
HNMPDS64	Pelco Digital Sentry DS1000 adapter - 1 per system (Rev 7.0.24.0)		
HNMMILE64	Milestone Xprotect Enterprise adapter - 1 per system (Rev 7.0d)		
HNMMAT512	Third party matrix adapter - 1 per system (Bosch, AD, Pelco, Vicon)		
HNMPEND	Pelco Endura adapter - 1 per system (Call for availability)		
HNMLG	LG DVR adapter - 1 per system (Call for availability)		
HNMEQAQ	EXAQ NVR adapter - 1 per system (Call for availability)		
HNMPANWJ	Panasonic WJ DVR adapter - 1 per system (Call for availability)		
<b>MAXPRO VMS with Active Alert® Video Analytics</b>			
HNMHVAB	HVA - Base Package	HNMHVASI	HVA - Smart Impressions
HNMHVAS	HVA - Standard Package	HNMHVAPC	HVA - People Counter
HNMHVAP	HVA - Premium Package		
<b>MAXPRO VMS Lite - Part Numbers and Licensing</b>			
<b>MAXPRO VMS Lite - Base Software and Licenses</b>			
HNMSWVMSLT	MAXPRO VMS Lite Software includes: MAXPRO VMS, SQL 2008 Express, includes Licenses for One (1) MAXPRO VIEW Client, with 64-channel interface to Rapid Eye DVR, MAXPRO NVR Series, Fusion DVR , IP Engine, Enterprise NVR, MAXPRO-Net and VideoBloX Matrix Switch. Expandable up to a maximum of three Clients and 128 Channels. No third party adapter support.		
SSAHNMLT	Annual software support agreement - MAXPRO VMS Lite software		
<b>MAXPRO VMS Client License - one license per connected workstation (Client application can run multiple instances)</b>			
HNMSWCL	MAXPRO View - Single Client License		
SSAHNMW1	Annual software support agreement - Single Client		
<b>MAXPRO VMS Lite Base Channel License - one license per video input</b>			
HNM64	Additional 64 Base Channels		
<b>MAXPRO VMS Lite Upgrade</b>			
HNMUG	Upgrade MAXPRO VMS Lite to MAXPRO VMS		

### Automation and Control Solutions

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