MAXPRO® NVR Software

NETWORK VIDEO RECORDING SOLUTION

Honeywell's MAXPRO® NVR Software is a flexible, scalable and open IP video surveillance system. Supporting Honeywell's high definition (HD) cameras and broad integration with third party IP cameras and encoders, the MAXPRO NVR family is a powerful HD IP recording and security monitoring system for a variety of applications. MAXPRO NVR Software ensures flexibility for end user IT departments when choosing NVR hardware in deploying a recording solution, but end users will find it as easy as a DVR to configure and operate.

MAXPRO NVR Software is an open platform and supports broad third party device integrations with support for PSIA and ONVIF standards, real time streaming protocol (RTSP) standard and native device integrations. MAXPRO NVR provides easy to use desktop clients and mobile apps - MAXPRO® Mobile.

MAXPRO NVR Software comes with all required software applications and a license for 4, 8, 16 or 32 channels allowing for up to 32 cameras as your system grows. Minimum hardware specifications for different levels of recording and monitoring performance are provided for IT departments to choose the appropriate hardware platform. This, along with quick and easy commissioning wizards for discovery and system configuration, makes installing HD IP systems quick and efficient without requiring any IP expertise. Simple and logical configuration pages make setup a breeze even for the novice installer.

The MAXPRO NVR Software user interface is based on Honeywell's flagship MAXPRO® VMS user interface which offers a feature rich user experience. Utilization of this familiar interface allows for the "Learn One, Know Them All" concept that ensures familiarity across a broad range of Honeywell products.

MAXPRO NVR Software supports simultaneous recording, live and playback viewing, search and system management for up to 32 IP cameras including HD formats in a single server instance. Multiple MAXPRO NVRs can be deployed for system expansion using a distributed architecture and integrated with the MAXPRO® Viewer multi-site software or MAXPRO® VMS enterprise video management system.

MAXPRO NVR Software supports multiple simultaneous operations such as video recording and video viewing or alarm monitoring on the server unit without the need for an additional workstation and also provides the option of remote monitoring clients. Users can view live video while simultaneously performing searches. MAXPRO NVR Software also offers advanced features: Video Surround, a Honeywell-patented feature, provides the ability to track subjects of interest as they move between areas covered by adjacent cameras by simply double-clicking on the panel where the subject is currently visible. Features like the powerful preview search and film strip view allow for rapidly searching video for scenes of interest and then quick export transfers video to an authenticated video clip playable through Windows Media player.

Market Opportunities

The continual growth of IP networks and the demand for HD video offered by IP cameras have led to the need for convergence of building security systems and IT systems for many companies across the globe. This has resulted in a strong demand for open video recording solution software. MAXPRO NVR Software provides flexible and scalable operational power to address the needs of a wide variety of applications. When the need is for an easy to install, simple to use, and feature rich open network video recorder, the solution is MAXPRO NVR Software.
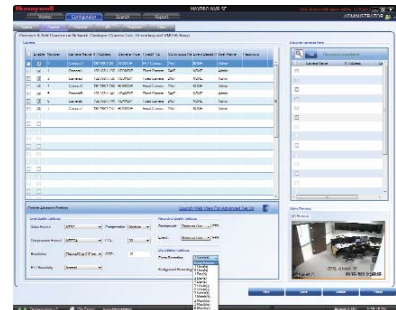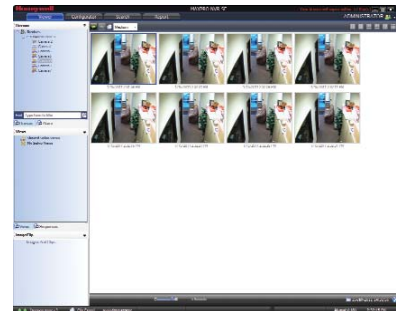
MAXPRO® NVR Software

FEATURES

- MAXPRO NVR Software allows local or remote operations including live and recorded video monitoring, configuration and system management in a single desktop client interface.

- Support for mobile monitoring clients with MAXPRO Mobile apps.

- Broad device integrations: Honeywell cameras and encoders, third party devices with support for PSIA and ONVIF standards, RTSP standard and native device integration.

- Feature-rich, user-friendly Windows based interface to view HD video and configure system settings.

- Easy 3-click wizard to set up the system with auto-configuration and auto-discovery of IP cameras, recording and monitoring configuration - without any IP video expertise.

- Multi-zoom views on HD video. Example: Zoom in on a cash register in one view of the HD camera while at the same time monitoring the cash operator in the zoom out view of the HD camera.

- Ability to investigate events and alarms by simultaneously viewing alarm videos at various stages. For every alarm, users can view the video captured during pre-alarm, on-alarm, and post-alarm, and also view live video from the camera which triggered the alarm.

- Enriched video viewing experience through the intuitive video rendering engine that optimizes CPU utilization by altering the video frame rate.

- Honeywell's patented Video Surround feature simplifies the process of tracking subjects through a set of surrounding cameras.

- Create, save and name salvos under My Salvos or Shared Salvos.

- IP PTZ control and digital zoom on fixed cameras.

- Fast search by date/time, time line, time jump, bookmarks, preview, film strip view and events.

- Event history and operator log reporting with export in .pdf, Crystal Reports, Excel or Word.

- Capture and export clips and still images in simple .wmv and .bmp formats.

- Clips signed with digital signature for authentication.

- Supports multiple client connection to NVR Server.

- Separate event video and general recorded video retention times.

- Email notification on camera, system and operator events.

- Role-based operator privileges supporting Windows and local users.

- Utilizes camera-based analytics and I/Os to reduce stress on the processor.

- Keyboard control with UltraKey Plus and UltraKey Lite over Ethernet.

- Local and multi-language support.

- Multi-site support with MAXPRO Viewer.

- Integration with MAXPRO VMS.

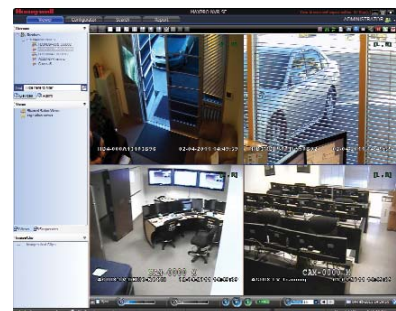- Integration with WIN-PAK® and Pro-Watch® Access Control Systems.
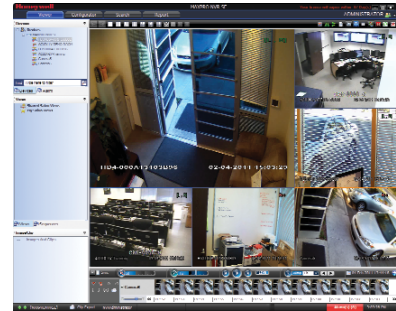
6 Split

Event Record

Preview

Quad

MAXPRO® NVR Software

SYSTEM DIAGRAM

MAXPRO® NVR
Standalone NVR System

MAXPRO® NVR Server

Recording Server and NVR Local Client

Mobile Client Apple® iPad

MAXPRO® Remote Client Workstation

Wifi

Network

Encoder

Honeywell and Third Party IP Cameras

Analog Cameras
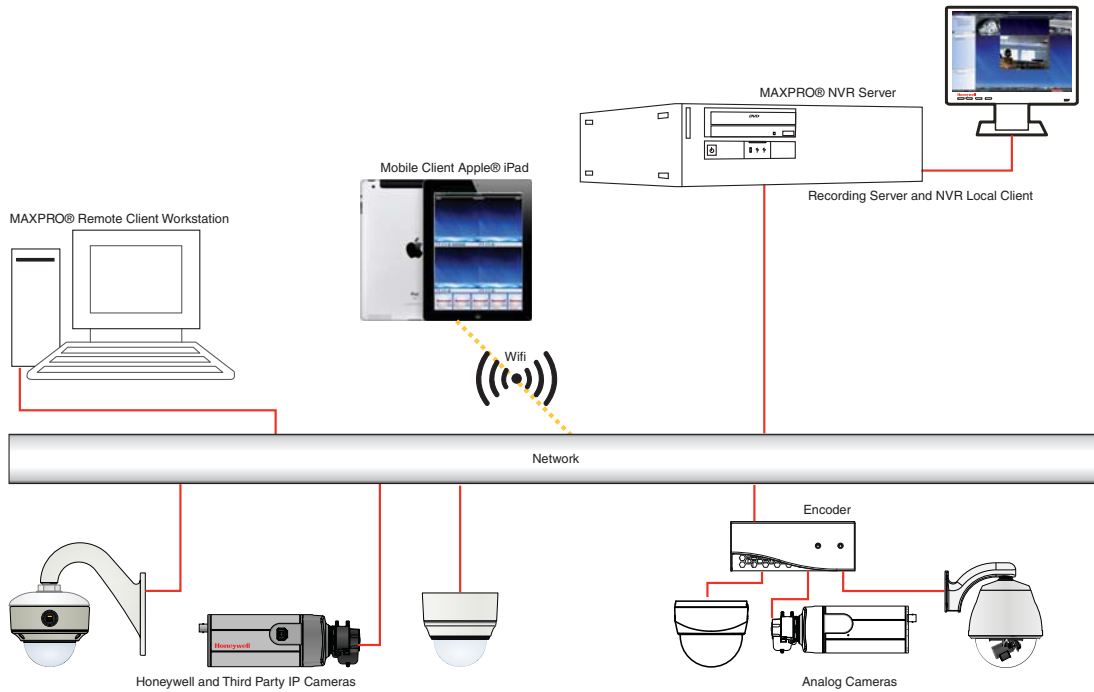
MAXPRO® NVR
Multiple NVRs — Distributed Architecture

Central Location

MAXPRO® VMS / VIEWER

(Central Management and Monitoring)

Location 1

MAXPRO® NVR 1

Location 2

MAXPRO® NVR 2

Network

Network

Network

Location 3

MAXPRO® NVR 3

Location n

MAXPRO® NVR n

(Local Management and Monitoring)

Network

Network

MAXPRO® NVR Software
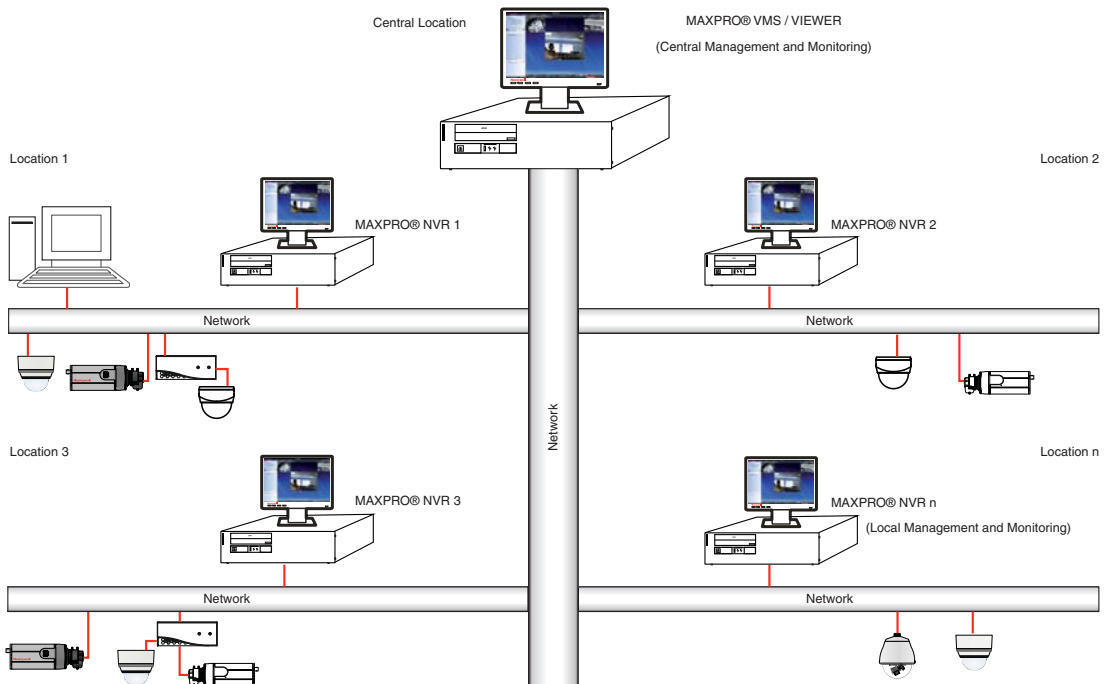
MINIMUM HARDWARE SPECIFICATIONS

MAXPRO NVR Server – up to 8 Channels, 120 fps @ 4CIF or 40 fps @ 720p HD (local client - 2x2 video salvo support)	
Processor	Intel® Atom™ D525,1.80 GHz or Higher
System Memory (RAM)	Minimum 4 GB or Higher
OS & Application - Hard Disk Drive or Partition	Minimum 100 GB Partition drive or separate hard drive
Graphics Adapter	Minimum Integrated Intel® Graphics - Directx 9 Compatible
Network Interface	Minimum - 1 Gigabit network interface card
Optical Drive	DVD-RW
Video Storage Drive	Video rated or Enterprise drive, 7200 RPM SATA/SAS recommended
Monitor Resolution	Video resolution 1280x1024 pixels, 32 bit
Keyboard / Mouse	102-key keyboard and mouse
Operating System Options	Microsoft® Windows 7 Professional (32-bit and 64-bit) Microsoft Windows 2008 Server R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO NVR Server

MAXPRO NVR Server – up to 16 Channels, 240 fps @ 4CIF or 80fps @ 720p HD	
Processor	Intel® Pentium™ Dual Core E5300, 2.60 GHz or Higher
System Memory (RAM)	Minimum 4 GB or Higher
OS & Application - Hard Disk Drive or Partition	Minimum 100 GB Partition drive or separate hard drive
Graphics Adapter	Minimum Integrated Intel® Graphics Media Accelerator 4500 - Directx 9 Compatible
Network Interface	Minimum - 1 Gigabit network interface card
Optical Drive	DVD-RW
Video Storage Drive	Video rated or Enterprise drive, 7200 RPM SATA/SAS recommended
Monitor Resolution	Video resolution 1280x1024 pixels, 32 bit
Keyboard/Mouse	102-key keyboard and mouse
Operating System Options	Microsoft® Windows 7 Professional (32-bit and 64-bit) Microsoft Windows 2008 Server R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO NVR Server

MAXPRO NVR Server – up to 24 Channels, 480 fps @ 4CIF or 160 fps @ 720p HD	
Processor	Intel® Core™ i3-540, 3.06 GHz or Higher
System Memory (RAM)	Minimum 4 GB or Higher
OS & Application - Hard Disk Drive or Partition	Minimum 100 GB Partition drive or separate hard drive
Graphics Adapter	128MB or higher Display Card - Directx 9 Compatible
Network Interface	Minimum - 1 Gigabit network interface card
Optical Drive	DVD-RW
Video Storage Drive	Video rated or Enterprise drive, 7200 RPM SATA/SAS recommended
Monitor Resolution	Video resolution 1280x1024 pixels, 32 bit
Keyboard/Mouse	102-key keyboard and mouse
Operating System Options	Microsoft® Windows 7 Professional (32-bit and 64-bit) Microsoft Windows 2008 Server R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO NVR Server

MAXPRO NVR Server – up to 32 Channels, 960 fps @ 4CIF or 640 fps @ 720p HD	
Processor	Intel® Core™ 2 Quad Q9400, 2.66 GHz or Higher
System Memory (RAM)	Minimum 4 GB or Higher
OS & Application - Hard Disk Drive or Partition	Minimum 100 GB Partition drive or separate hard drive
Graphics Adapter	256MB or higher Display Card - Directx 9 Compatible
Network Interface	Minimum - 1 Gigabit network interface card
Optical Drive	DVD-RW
Video Storage Drive	Video rated or Enterprise drive, 7200 RPM SATA/SAS recommended
Monitor Resolution	Video resolution 1280x1024 pixels, 32 bit
Keyboard/Mouse	102-key keyboard and mouse
Operating System Options	Microsoft® Windows 7 Professional (32-bit and 64-bit) Microsoft Windows 2008 Server R2
Database	Microsoft SQL Express 2008 is automatically installed while installing MAXPRO NVR Server

Note: MAXPRO NVR Server specifications support 1 local monitoring client. Refer to Storage Calculator for the Video Storage size required based on recording schedule

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MAXPRO NVR Client Only Workstation	
Processor	Intel® Core™ 2 Duo Processor E6750 2.66 GHz or Quad Core Intel® Xeon® E5405 2.0 GHz
System Memory (RAM)	Minimum 4 GB or Higher
OS & Application - Hard Disk Drive or Partition	Minimum 100 GB Partition drive or separate hard drive
Graphics Adapter	256MB or higher Display Card for Dual Monitor - Directx 9 Compatible
Network Interface	Minimum - 1 Gigabit network interface card
Optical Drive	DVD-RW
Monitor Resolution	Video resolution 1280x1024 pixels, 32 bit
Keyboard / Mouse	102-key keyboard and mouse
Operating System Options	Microsoft® Windows 7 Professional (32-bit and 64-bit)

SOFTWARE SPECIFICATIONS

Operational - MAXPRO NVR Software	
Image Compressions Supported	MPEG-4, H.264
Supported Honeywell IP Cameras & Encoders	Supports Honeywell's Performance IP, EQUIP Series cameras, including high definition. Refer to www.honeywellsecurity.com/hota
Supported Third Party IP Cameras & Encoders	Refer to the Honeywell Open Technology Alliance for a comprehensive list of compatible products to which this device is integrated. www.honeywellsecurity.com/hota
Maximum Number Client Connections	10 per server
Salvo Layouts	Full, 2x2, 1x5, 3x3, 2x8, 1x12, 4x4
Picture Controls per Camera	Sharpness, blur, brightness, contrast, hue, saturation, maintain aspect ratio, stretched, original size and picture mirror
OSD	Concealed text option
Playback Controls per Camera	FWD/REV Play x(1, 2, 4, 8, 16) Slow FWD/REV Play x (1/2, 1/4, 1/8)
Search Types	Time/date timeline, time jump FWD/REV, bookmarks, preview, film strip and event search
Recording Schedule	Constant and event based with H/M/D and holiday and exception days
Recording Methods per Camera	Constant, event-based and user activated
Live Settings per Camera	Compression format, resolution and frame rate
Recording Settings per Camera	Same as live or reduced frame rate
Clip Format	WMV with digital certificate for authentication playable with Windows media player
Video Clip Authentication	Digital signature, verification tool provided
Motion Detection Location	Camera based
Event Recording	Pre- and post-duration setting
Operator Reporting	Per user, configurator, session and viewer
Event Report	Per camera or recorder events
Operators	10

ORDERING

Ordering MAXPRO NVR Software	
MPNVRSW32	MAXPRO NVR Software – Base Software and License for 32 Channels
MPNVRSW16	MAXPRO NVR Software – Base Software and License for 16 Channels
MPNVRSW8	MAXPRO NVR Software – Base Software and License for 8 Channels
MPNVRSW4	MAXPRO NVR Software – Base Software and License for 4 Channels
Ordering MAXPRO NVR Software – Upgrade Licenses	
MPNVRSW1UP	MAXPRO NVR Software – 1 Channel License Upgrade
MPNVRSW4UP	MAXPRO NVR Software – 4 Channel License Upgrade
MPNVRSW8UP	MAXPRO NVR Software – 8 Channel License Upgrade
MPNVRSW16UP	MAXPRO NVR Software – 16 Channel License Upgrade

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell