

HUS-VMS

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Enterprise IP Video and Alarm Management Server

Honeywell, the leading security solution vendor in the world, introduces all-inclusive Enterprise IP Video and Alarm management server (HUS-VMS), as a heart of IP Video Solution-HUS with powerful central server constructed. In any enterprise, video surveillance has become an essential part of the business. Without proper means of monitoring people, asset, it is not possible to ensure security. Now, IP video surveillance is widely used in enterprise as the digital technology using IP for transmission of data eliminates the need of proprietary boxes. The major advantage for IP video surveillance for businesses is the reduced system and management cost. Honeywell IP Video Solution-HUS allows local and remote control of any surveillance system, from middle scale connected with several hundred of cameras to large scale system with thousands of cameras. The IP networking makes it possible to send surveillance data to different sites located across the region, to ensure proper surveillance. In junction with network video recorder (HUS-NVR), high definition video server (HVR-9000), and Honeywell worldwide wide deployed access control system (Pro-Watch™ and WIN-PAK™), alarm system (VISTA™), HUS-VMS allows you to build an IP based security system easily, and to operate all the other systems centrally. It is important that you choose Honeywell because surveillance is crucial for your business.

Reasons for adopting Honeywell IP Video solution are clear to any business that is looking for security. Your business needs to be protected the premises against theft and be made the environment safe for everyone. Honeywell IP Video solution delivers all the benefits of traditional CCTV while integrating with the network. Using Honeywell IP Video allows you to monitor your premises through the private network or internet from anywhere the system is deployed. Furthermore, choosing the operating options by connection with HUS client or network keyboard controller, HUS-VMS gives additional benefits of surveillance functions that includes:

- Live Video Display
- Recording and Playback
- Alarm Management
- PTZ control
- Virtual Matrix (thousands x thousands)
- Maps
- Preprogramming
- Administration

HUS-VMS server is operating based on Windows® server operating system, composes of full application HUS management software and hardware, which provides customers tremendous values by deploying the Honeywell IP video solution.

Market Opportunities

HUS-VMS server along with Honeywell IP Video Solution-HUS is ideal for facilities that require critical infrastructure protection such as city surveillance, airports, seaports, large multi-site commercial buildings and other high-end facilities. It is also perfect video management solution for locations that require deploying both digital and analog systems with access control and intrusion system integration.



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BENEFITS

- Powerful Emergency Response
 - Quickly locate emergencies with GIS E-Map
 - Preprogramming to quick response to various emergency
 - Powerful management system to link video, intrusion and access devices for actions across the whole security system when emergency happens.
- Super Integration Capability
 - Integration with Pro-Watch™, WIN-PAK™ access management system providing superior access control with alarm monitoring
 - Integration with VISTA™ series intrusion system providing proactive alarm event management
 - Integration with analog Maxpro-NET and VideoBloX matrix.
- Utmost Efficiency
 - Immediate access to live and replayed video on any screen upon need
 - Instant playback during live view for quick verification
 - Quick and effective event notification, verification and resolution
- High Reliability
 - Stable in operation 24/7/365
 - Hardware and software qualified strictly by Honeywell in different network environments (100M to 1G Networks)
 - Honeywell network design for recommendation
- High Availability
 - Duplicate hot standby redundancy of HUS-VMS
 - Encoder and NVR N+1 redundancy
 - Encoder network failure recovery
- Full Scalability
 - Supports unlimited number of cameras, clients and other devices
 - Supports 256 users with different privileges
- Low Cost Ownership
 - Extend legacy analog system with new digital devices
 - High profile H.264 to make the best use of network and storage resources
 - Optimized network resources usage with levels of video service, multicast and dual streaming
- Simple Operation
 - CCTV keyboard for full control of live view and PTZ
 - Unified client operation interface to ease users' every access in need
- Easy Management
 - Web accessible configuration provides unified access to all devices in system
 - Devices classified in groups eases management
- Quick Deployment
 - Product is delivered ready to use with software preinstalled
 - Automatic discovery of IP devices eases installation
 - System configuration one click to finish with default configuration

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FEATURES

As the control center of HUS, HUS-VMS accelerates the primary security processes of event detection, verification, resolution and investigation adaptable to different tasks through an integrated bundle of functions.

- Video Management
 - Manage live video from IP cameras and video encoders to display on any client or video wall
 - Manage video streaming from IP cameras and video encoders to NVR
 - Record searching by time, camera number, event, devices or complex conditions
 - Archive evidence to local storage
 - Virtual matrix operation with CCTV keyboards or clients
 - Live view, record and playback video synchronized with audio
 - Accelerate investigation with agile replay controls: play & pause & shuttle
 - Snapshot video image for immediate actions
 - Configurable tours and patrols on workstation monitors or video walls
- Intrusion and Access System Integration
 - Uniform interface to configure and manage video, intrusion and access systems
 - Uniformly handling events and interactions across video, intrusion and access systems
- Event Management
 - Events classified by types and secure levels for easy searching
 - Events be managed according to resolution status ensuring proper handling
 - Different secure level event notifications can be easily identified with different colors
- Preprogramming Management
 - Build the most complicated preplans according to customers' different needs
 - Drive workflow and confirm critical tasks with automatic checklist display
- E-Map System
 - Accurate allocate event on the map with video verification
 - Navigate complex sites to get video live view wherever needed quickly
 - Support BMP, JPEG and AutoCAD format map import
- User Management
 - Access to system resources individually controlled per user or user group
 - Manage user privileges one at a time or through common profiles
 - Customized user preferences interface upon user login
 - Permit or prevent camera viewing, searching, replay and data export
 - Every action from log-in to camera control to event export can be audited and reported enabling high level secure operation
- System Configuration and Maintenance
 - Maintain database of all system functions including devices error, alarms, and user actions which can be reported out per user's request
 - Continuously monitor system health status of key system components: NVR, encoder, decoder and database with notification to users immediately when abnormal happens
- Hierarchical System Structure
 - Up to 16 layers architecture can be built for multi-level manageable security system
 - Different privileges assigned to different levels aligning with business needs

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SPECIFICATIONS

System Parameters	
Operating System	Windows 2003 Server Std
CPU	Quad-Core Intel Xeon Processor 3400 Series
Memory	4 GB DDR3 1333 MHz
Hard Disk	160GB, 3.5", 7.2Krpm, SATA II
Network	2 Gigabit NICs
User Interface	
Buttons	Power, Configuration/Reset
Indicators	
Power	Blue if Power On
HDD Activity	Yellow When Activity
Network Activity	Green When Activity
Network Status	Green, Amber, Red
Dimension	
Height	4.235 cm
Width	42.63 cm
Depth	66.04 cm
Weight	13.45 kg
Environmental Parameters	
Power Supply	100~240VAC, 50~60Hz
Operating Temperature	10°C ~ 35°C
Storage Temperature	-40°C ~ 65°C
Relative Humidity	20% ~ 80% Non-condensing
Certificate	CCC, CE, FCC, UL

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ORDERING

Central Management Server	
HUS-VMS-MAS	IP Video Solution Management Master Server - Include Server, Window OS, Master Database Management s/w and HUS s/w. Recording Supports up to 300 Channel D1@25fps. Recording Software in HUS-NVR Server with 5 Clients, 5 Keyboards and E-Map Application.
HUS-VMS-SLA	IP Video Solution Management Slave Server - Include Server, Window OS, Slave Database Management s/w and HUS s/w. Recording Supports up to 300 Channel D1@25fps. Recording Software in HUS-NVR Server with 5 Clients and E-Map Application
Optional License Software Package	
HUS-VMS-RDN	HUS-VMS Server Redundance and Backup Module, with SQL 2005 Pro
HUS-VMS-IVA	HUS Video Analysis Model - IOI (up to 10 Channel)
HUS-VMS-VEX	Management Server Software Video Expansion Package Including 100 Channels
HUS-VMS-INT	Management Server Software Intrusion Interfacing Package Support Up to 128 nos. of Intrusion Zones
HUS-VMS-ACS	Management Server Software Access Control Interfacing Package Support Up to 4 nos. of Reader Capacity
HUS-NVR-RDN	HUS-NVR N+1 Redundancy and Backup Module
HUS-CLIENT	1 Client Added License

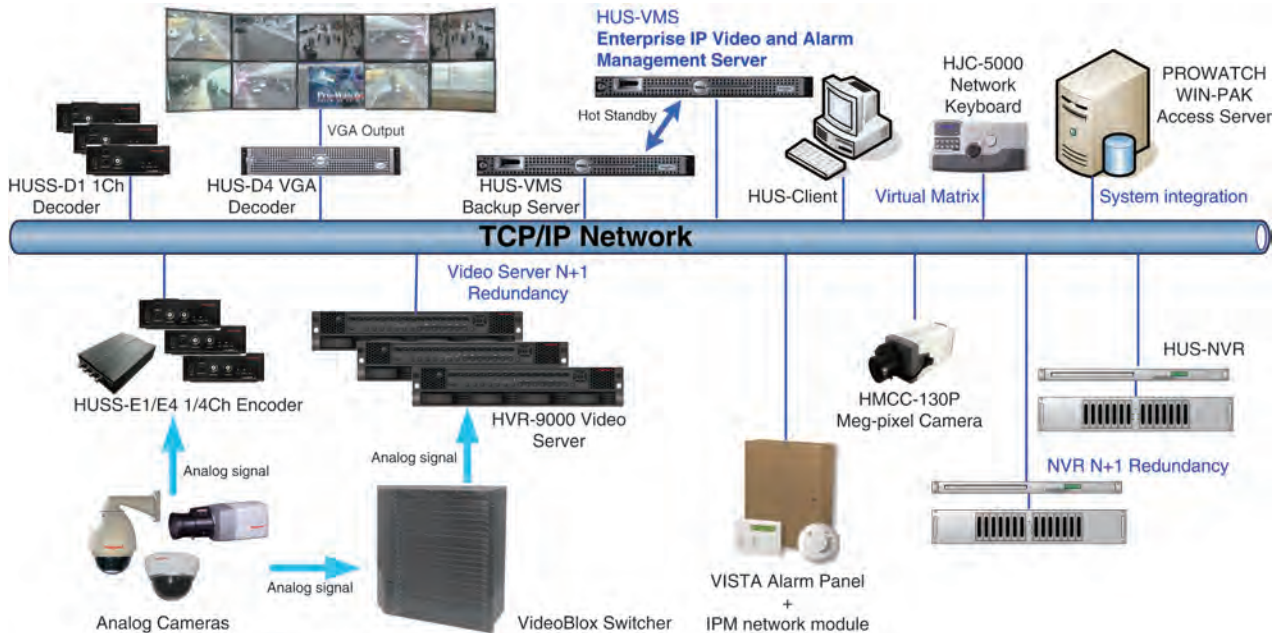
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SYSTEM DIAGRAM

The following diagram illustrates the IP video system architecture built with HUS-VMS and associated components.



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