

## Digital Video Manager

### ENTERPRISE IP-BASED VIDEO SYSTEM

Honeywell's Digital Video Manager (DVM) R200.1 is a scalable, enterprise class IP-based digital video system. Digital video over IP networks has many advantages to traditional analog CCTV systems. This includes advantages to both end-users and installers. For end-users, customers are able to access relevant video and events instantly, manage the digital system, and integrate access or building control from geographically disperse locations. For installers, standard IT hardware and TCP/IP infrastructure helps to streamline the installation process.

DVM is the next step in digital video technology because it is a Network Video Recorder (NVR). An NVR is different from a DVR in that it uses software to transform standard IT equipment and component digital video sources into a customized and manageable video system for security or surveillance needs. For example, you can add an unlimited number of camera servers to enable monitoring as many cameras as necessary.

DVM provides the added benefit of an open architecture that allows for M-JPEG, MPEG-2, or MJPEG-4 video to be viewed live, recorded, archived and exported. This architecture is designed to protect your investment today while allowing you to incorporate tomorrow's technology. DVM can be used to upgrade existing CCTV investments or as a new digital video installation. DVM supports a wide range of digital video sources from stand alone digital encoder to native IP-based fixed and PTZ cameras.

In addition to the evolution to digital video, DVM enables the revolution of video analytics. With the proliferation of video data and the need to better manage it, video analytics will provide relevant data on demand. The technology to perform motion detection outdoors, object tracking, and object tracking with classification is here today and tightly integrated with DVM.

### Marketing Opportunities

Honeywell's DVM offers flexible manageability through its scalable, enterprise architecture. The open architecture enables geographically distributed IP Video systems to be managed centrally or remotely. DVM also integrates seamlessly with other enterprise products, such as access control and building management systems. Users such as university campuses, airports, manufacturing facilities, and corporate facilities are using DVM to leverage their existing IT equipment and expertise to manage video security.



Accessory Solutions

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#### Features

- Compression Agnostic (M-JPEG, MPEG-2, MPEG-4)
  - Supports Rapid Eye Live View
  - Supports Honeywell Encoder, HNVE130A
  - Frame rate (30FPS) and resolution (4CIF) performance up to what the hardware supports
  - Supports encoder and wide range of network cameras through partnership with Axis Communications
  - Ability to customize digital video bandwidth
  - PTZ control
- Advanced Recording Capabilities – possible to configure the quality level of each type of recording independent of the Live View
  - Background 24x7
  - On alarm/event
  - Operator initiated
  - Pre and post recording
  - Intelligent management of recordings
  - Secure video clip export with digital signature
- Powerful Search Capabilities - search recordings based on cameras, event trigger, date, time, annotation
- Advanced Video Analytics – works with color, black and white, IR and FLIR video sources
  - Outdoor motion detection
  - Object tracking
  - Object tracking and classification
- High Availability
  - RAID 5 storage
  - Automatic archiving of recordings to longer term media
  - Redundant database using replication
  - Ability to move camera assignments from server to server dynamically
- Security
  - Microsoft Windows® security measures
  - Ability to designate user access and configuration privileges
  - Capable of auditing all events and user actions within the system to a log file
- Integrates with Honeywell Building and Access Control Systems
  - Experion, EBI, and ProWatch



Integrates with Campus Environments



Integrates with Airport Facilities



Integrates with Commercial Buildings

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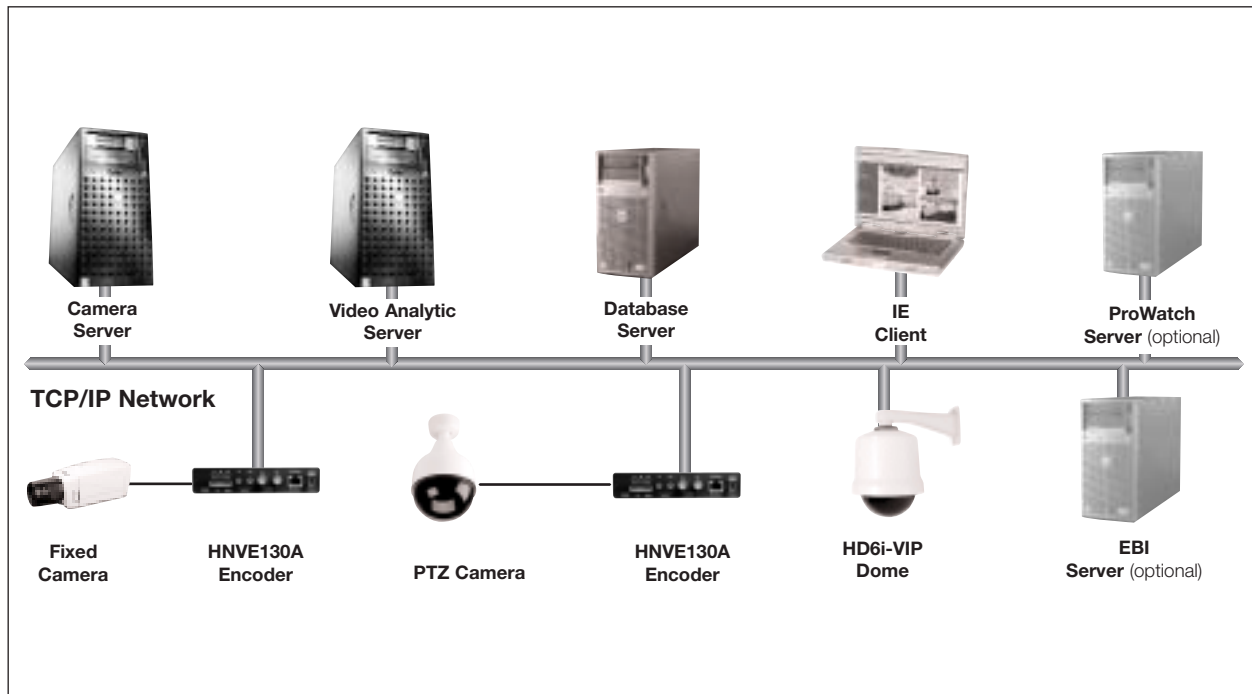
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### ENTERPRISE IP-BASED VIDEO SYSTEM

#### System Architecture

In the Honeywell Digital Video Manager System, there are three major functional services provided. The first is a DVM camera server that receives, stores, and serves video back up to a client. The second is a DVM database server that manages the camera servers, video clients, IP video sources, and all other system components. A DVM system can have 1 or 2 database servers (if redundant) and as many camera servers as necessary to accommodate the number of cameras. The third is an optional video analytics server that is solely designed to analyze live video and to trigger events within the system when user programmed criteria are met. The DVM system can be accessed by any PC with Microsoft Internet Explorer and the proper user rights. In an integrated system, DVM can also communicate to many other Honeywell Enterprise management applications such as EBI, Experion, and ProWatch.

System Architecture Diagram



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Part Number	Description
<b>DVMSWR200</b>	Base DVM R200.1 Software 4 Camera Licenses, 1 Client License
<b>DVMCAM1</b>	1 Camera License
<b>DVMIE1</b>	1 IE Browser Client License
<b>DVMCAL1</b>	1 SQL CAL Client License
<b>DVMRDN</b>	Redundant DVM Database Server License (1 per Camera)
<b>DVMPVMD</b>	Premium Video Motion Detection (1 per DVM System)
<b>DVMOBJTRACK</b>	Video Analytics, Object Tracking Algorithm (per Channel)
<b>DVMOBJCLASS</b>	Video Analytics, Object Tracking and Classification (per Channel)
<b>DVMNONMOTION</b>	Video Analytics, Non Motion Detection (per Channel)
<b>DVM-HNVE</b>	HNVE130A Adapter License (per DVM System)
<b>DVM-AXISMPG4</b>	Axis MPEG-4 Adapter (per DVM System)
<b>DVM-RAPIDEYE</b>	Rapid Eye Adapter License (per DVM System)

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