

Enterprise DVR Series

Digital Video Management System



Features:

- Pentaplex Operation allows for:
 - Real time recording
 - Recording playback
 - Live viewing
 - Video archiving
 - Simultaneous video and audio transmission -recording never stops
- 960 FPS (frames per second) per DVR
- Stereo audio inputs for each channel (model dependent)
- 352 x 240 CIF and 720 x 480 4CIF resolution (model dependent)
- Variable bit rate settings up to 5M bit/second
- Individual resolution and bit rate settings per camera
- Pre and post alarm recording
- Video Motion Detection
- Scheduled, Event and Motion recording

The Enterprise DVR Series is designed to satisfy high security applications, which demand real-time video and audio recording and playback of every camera, while allowing slower frame rate recordings. Every image recorded includes both the odd and even fields of video that provide recordings of the highest detail and quality. Each channel can be configured individually for frame-rate and resolution and can record in multiple ring buffers for pre-alarm, post-alarm and permanently recorded video. Recorded video can be exported to CD, DVD, floppy disk or external/networked hard drives. All archived video can be verified to ensure the authenticity of the recording.

Enterprise can be configured into various hardware and software solutions to accommodate diverse customer requirements. The Enterprise Series hardware includes two server options, seven digital

encoder options, two decoder options and multiple storage options. The software series includes three-levels of functionality and features, three levels of storage and multiple remote viewing capabilities. The variety of options allows for high level customization to meet application demands.

Each digital server can record up to 960 frames per second at 4CIF resolution (720H x 480V). All 32 available channels can be recorded at 30 frames per second with synchronized stereo audio.

Video Management Integration using the patented recorded management feature of the MAX-1000 Video Management System. Enterprise can be integrated to provide a single intuitive operator interface. By incorporating the UltraKey controller, a user can operate both the video matrix system and the Enterprise DVR. The zoom control of the UltraKey provides up to

12 times the digital zoom of other joystick controllers, including those of fixed cameras. The jog/shuttle function allows the user to access information stored on hard drives.

The UltraKey controller can be used with Enterprise independent of the MAX-1000 matrix. Its stand-alone use provides a common interface for the management system. Furthermore, it eliminates the requirement for an additional computer monitor, keyboard and mouse.

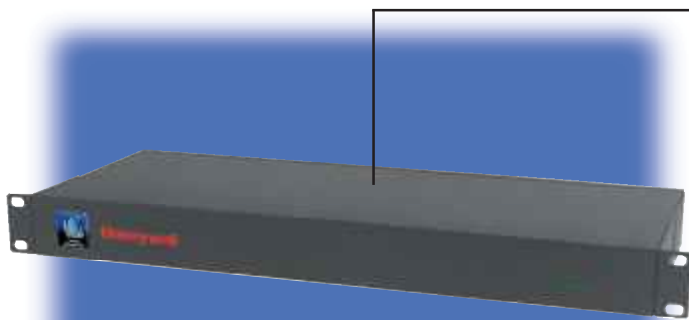


UltraKey controller can operate either the integrated MAX-1000 matrix switch and Enterprise video management solution or the Enterprise DVR by itself.

Honeywell Video Systems

Enterprise DVR Series Encoders

High Framerate, High Resolution Digital Video Transmission



Enterprise DVR Encoder

Features:

- CIF or 4CIF encoding (model dependent)
- MPEG2 compression
- 1 – 30 frames per second configurable by channel
- Variable quality settings up to 5Mbps
- 100Mb Ethernet port
- Optional audio encoding (model dependent)
- Alarm inputs/relay outputs per channel of video
- Multicast transmission

The full range of encoders and decoders make the Enterprise system the most advanced digital storage system on the market. The Enterprise system encoders are designed to stream 1 or 8 channels of digital video over the network at user defined framerates. Multiple models of encoders allow for 30fps (per 8 channels) up to 240fps (per 8 channels) of full resolution 4CIF video to be transmitted over the

Encoder Models:

KXR7301E:

- Single channel video/audio encoder
- 30fps video transmission
- CIF or 4CIF resolution, up to 15Mbps
- Stereo audio encoding

KXR7308E:

- 8 channel video encoder
- 30fps video transmission (global)
- CIF or 4CIF resolution, up to 5Mbps
- 8 Alarm inputs
- 8 Alarm outputs

KXR7608E:

- 8 channel video encoder
- 60fps video transmission (global)
- CIF or 4CIF resolution, up to 5Mbps
- 8 Alarm inputs
- 8 Alarm outputs

network. Some models also include CD quality audio encoding and transmission per video input, and all models include alarm inputs and relay outputs per channel of video. The encoder settings are user defined and variable bit rates can be assigned per channel of video. Optional simultaneous MPEG2/MPEG4 compression allows the system to record at high resolution to capture the most

KXR7204E:

- 8 channel video/audio encoder
- 240fps video transmission (global)
- CIF resolution, up to 2Mbps
- Stereo audio encoding per channel
- 8 Alarm inputs
- 8 Alarm outputs

KXR7200E:

- 8 channel video/audio encoder
- 240fps transmission (global)
- CIF or 4CIF resolution, up to 5Mbps
- Stereo audio encoding per channel
- 8 Alarm inputs
- 8 Alarm outputs

KXR7301M:

- Single channel video/audio encoder
- Supports MPEG2 for recording
- CIF or 4CIF resolution, up to 10Mbps
- Supports MPEG4 for low bandwidth transmission
- Stereo audio outputs

information, but at the same time transmit at low bandwidth to keep from overloading the network.

The Enterprise series decoders convert live or recorded digital video back to analog for viewing on a standard CCTV monitor. The decoders also include the conversion back to analog of the synchronized audio channels.

Decoder Models:

KXR7301D:

- Single channel video/audio decoder
- Live analog video output
- Stereo audio output

KXR7VH01:

- Single channel video/audio decoder
- Requires workstation with PCI slot
- Max of two KXR7VH01 per workstation
- Live and playback analog video output
- Stereo audio output

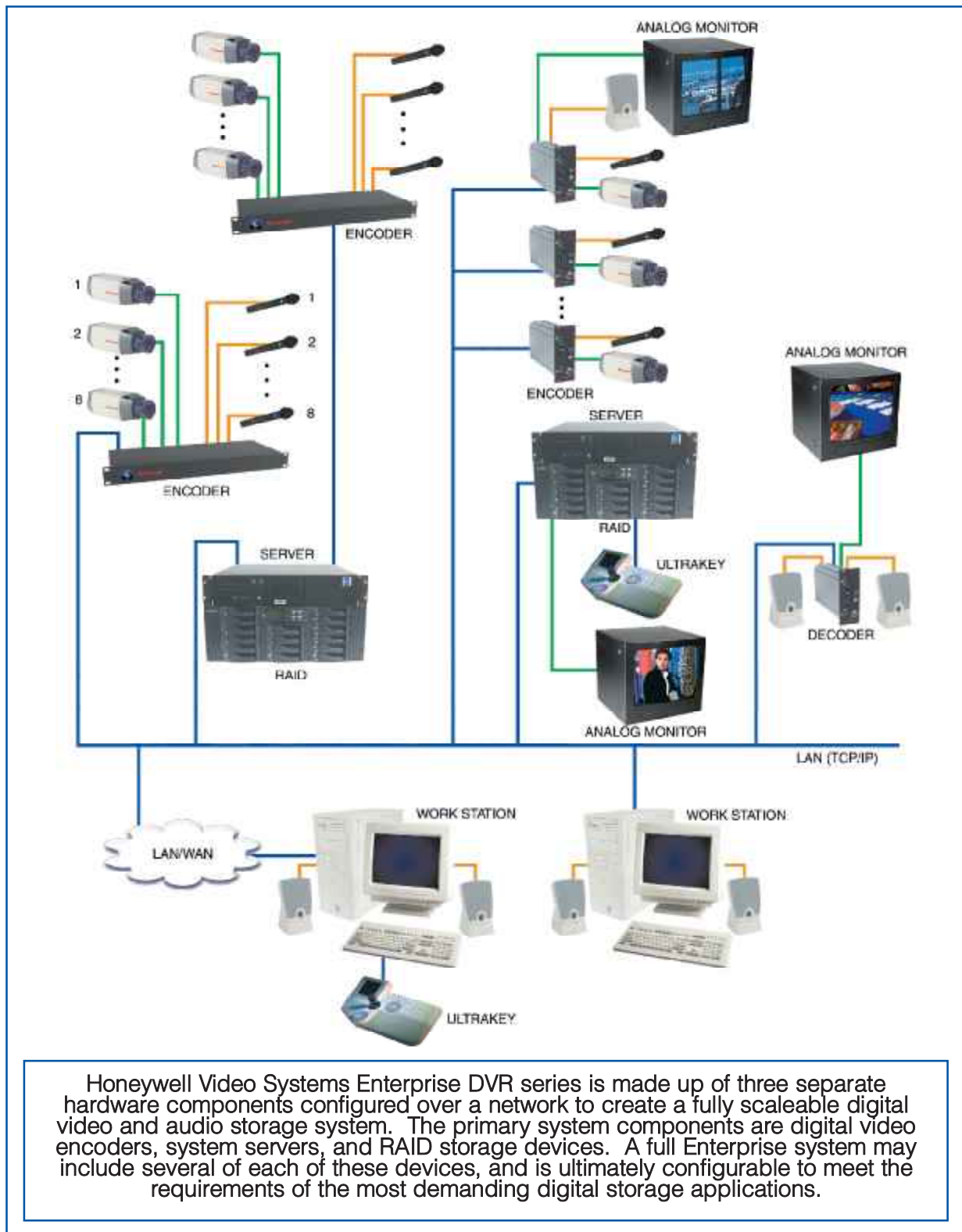
Encoder/Decoder Model:

KXR7301C:

- Single channel video/audio encoder/decoder
- 30fps video transmission
- CIF or 4CIF resolution, up to 10Mbps
- Stereo audio outputs

Enterprise DVR Series

System Configuration Diagram



Honeywell Video Systems Enterprise DVR series is made up of three separate hardware components configured over a network to create a fully scalable digital video and audio storage system. The primary system components are digital video encoders, system servers, and RAID storage devices. A full Enterprise system may include several of each of these devices, and is ultimately configurable to meet the requirements of the most demanding digital storage applications.

Enterprise DVR Series

System Software Overview



Features:

- Time/Date, camera, string, alarm condition, motion, and event searching
- Synchronized playback of multiple recordings
- Multi camera playback in forward and reverse on a single screen
- Access to all cameras on a system from numerous stations
- Triplex operation; viewing, playback, and back-up simultaneously
- Alarm management
- Combined activity and event detection
- Control connection between encoders and decoders over the network

The Enterprise system control software delivers unparalleled flexibility for system setup and use. The intuitive GUI control allows for viewing, recording, playback, transmission, and archiving of video and audio from multiple locations. Multiple search options, including time/date, motion, alarm event, and "smart" searching allow rapid retrieval of critical video and audio data. The powerful alarm

management capability allows the system to automatically transmit pre and post alarm images, live images and alarm messaging to a central monitoring station when an alarm is activated.

In addition to the standard software features, the Enterprise system software acts as a virtual matrix switcher. The live digital video from multiple encoders and the recorded

video from the servers can all be linked directly to the decoders for the creation of a digital matrix switch. The Enterprise software handles this execution flawlessly, and with the option of the Ultrakey joystick controller the switching capability within the system is unmatched by any other digital video control system in the market.

Software License Models:

Software licenses are installed on a USB Crypto key. A USB Crypto key is inserted into a USB port on each server or workstation.

Interface and Integration Licenses:

Interface and integration licenses allow the user to control single or multiple servers from a CCTV keyboard, matrix switcher, or external systems through serial protocol conversion or an API integration package.



USB Crypto Key

Honeywell Video Systems - www.honeywellvideo.com			
North America 1.800.796.CCTV	Europe 44.1928.754000	Asia 61.2.8837.9300	Latin America 1.305.805.8188