



HONEYWELL DIGITAL VIDEO RECORDER



The HRXD Series is a high-performance digital recording system that combines the benefits of digital recording up to 200 ips PAL with the advanced processing of a multiplexer. The HRXD DVRs feature Honeywell's sophisticated, proprietary XtraStor compression technology that provides more storage on smaller media without sacrificing image quality – providing days, weeks and even months of high-resolution video storage.

The HRXD Series performs advanced processing on video received from the 16 input cameras, allowing customization of time lapse, event, pre-event, and other recording parameters necessary to support a wide variety of surveillance applications. Additional options exist to control recording by schedules, external inputs such as text input, alarm sensors, or configurable motion detection.

The HRXD Series continues to record during playback, archive, and remote access sessions. The HRXD Series also provides users with fast and effective video clip copying and archiving functions via hard disk drives, built-in DVD-RW or CD-RW, Ultra Wide SCSI, and USB (hard disk, CD-RW or FLASH drives). The HRXD Series offers full support for remote access using Remote Administration System Plus Software (RASplus), which allows remote monitoring of up to 16 DVRs at once. Networking capabilities (LAN & ADSL) enable users to operate and manage the system remotely.

The DVR uses a proprietary encryption scheme making it nearly impossible to alter video. You can view video and control the DVR remotely by connecting via modem or Ethernet. There is a SCSI port that can be used to record or archive video to external hard disk drives, and there are also three USB ports that can be used to upgrade the system or copy video clips to external hard disk, CD-RW and flash drives. The DVR can be set up to alert you when the hard disk drive is full, or it can be set to record over the oldest video once the disk is full.

FEATURES

- 16 Composite Video Input Connectors
- Compatible with Color (NTSC or PAL) and B&W (CCIR and EIA-170) Video Sources
- Auto Detection for NTSC and PAL
- Multiple Monitor Connectors: 1 BNC Video Out, 1 SVHS, 4 Spot, 1 VGA
- Multiple Search Engines (Date/Time, Calendar, Event)
- Records up to 200 Images per Second (PAL)
- "Loop-Through" Video Connectors
- Continuous Recording in Disk Overwrite Mode
- Video Archiving via Ultra SCSI Interface
- 3 USB 2.0 Ports
- Continues Recording while Archiving, Transmitting to Remote Site and during Playback
- User-friendly Graphical User Interface (GUI) Menu System
- Multiple Recording Modes (Time-lapse, Pre-event, Alarm, Motion and Panic)
- 4-Channel Audio Recording and 1-Channel Audio Playback
- Text Input for ATM and POS
- Alarm Connections Include: Input, Output and Reset Input
- Built-in Alarm Buzzer
- Live or Recorded Video Access via Ethernet or Modem
- Time Synchronization using industry standard protocol
- Built-in CD-RW Drive
- Self-diagnostics with automatic notification including hard disk drive S.M.A.R.T. protocol
- Infrared Remote Control

SPECIFICATIONS

Signal Format	NTSC or PAL (Auto Detect)
Video Input	Composite: 16 looping inputs, 1 Vp-p, auto-terminating, 75 Ohms
Monitor Outputs	Composite: 1 BNC, 1 Vp-p, 75 Ohms SVHS: 1 SPOT: 4 BNC, 1 Vp-p, 75 Ohms VGA: 1 - NTSC: 30.8kHz (horizontal frequency) / 60Hz (vertical frequency) - PAL: 30.8kHz (horizontal frequency) / 50Hz (vertical frequency)
Video Resolution	720x480 (NTSC), 720x576 (PAL)
Playback/Record Speed (images per second)	200 ips (PAL)

Alarm Input	16 TTL, programmable as NC or NO
Alarm Output	16 TTL open collector, 5mA@12V, 30mA@5V
Alarm Reset Input	1 TTL
Internal Buzzer	80dB at 10cm
Network Connectivity	10/100 Mbps Ethernet (RJ-45) RS232C for external modem
Audio Input	RCA Input: 4 Line In
Audio Output	RCA Output: 1, Line Out
IR Port	1 Remote Control

Video Input	Composite: 16 BNC
Video Loop	Composite: 16 BNC (Auto Terminating)
Monitor Output	Composite: 1 BNC or 1 VGA SVHS: 1 Y/C* SPOT (Composite): 4 BNC
Audio In	4 RCA connector
Audio Out	1 RCA connector
Alarm Input/Output	16/16 Push-button, Terminal Blocks
Ethernet Port	RJ-45
RS232C Serial Port	DB9 (P)
RS485 Serial Port	Two-connector terminal block
UltraWide SCSI Port	High density female 68 pin connector
USB Port	3 (USB 2.0)

Primary Storage	EIDE hard disk drive (up to 750GB)
Secondary Storage	UltraWide SCSI hard disk drive (RAID) Built-in CD-RW drive for clip-copy USB hard disk drive, CD-RW drive or flash drive

Dimensions (W x H x D)	16.9" x 3.5" x 15.9" (430mm x 88mm x 405mm)
Unit Weight	22.5 lbs. (10.2kg)
Shipping Weight	27.6 lbs. (12.5kg)
Shipping Dimensions (W x H x D)	21.3" x 11.4" x 23.2" (540mm x 290mm x 590mm)
Operating Temperature	41°F to 104°F (5°C to 40°C)
Operating Humidity	0% to 90%
Power	100 to 240 VAC, 2 A, 60/50Hz
Power Consumption	Max. 85W (100W when 4 hard disk drives are installed)
Approvals	FCC, UL, CE

Specifications are subject to change without notice.