HRXDS Series

8 AND 16 CHANNEL EMBEDDED DVR

The HRXDS Series DVR is a high-performance recording system that combines the benefits of digital recording up to 240/200 ips (NTSC/PAL) with the advanced processing of a multiplexer. HRXDS features Honeywell's sophisticated, proprietary XtraStor compression technology that provides more storage on smaller media without sacrificing image quality – resulting in days, weeks and even months of high-resolution video storage.

The HRXDS Series DVR performs advanced processing on video received from 8 or 16 input cameras, allowing customization of timelapse, event, pre-event, and many other recording parameters necessary to support a wide variety of surveillance applications. Further options exist to control recording by schedules, external inputs such as text input, alarm sensors, or configurable motion detection. This flexibility provides a customized video processing system for each installation. The HRXDS continues to record during playback, archive, and remote access sessions. The HRXDS Series provides users with fast and effective video clip copying and archiving functions via hard disk drives, a built-in DVD burner, ultra-wide SCSI and USB. The video is copied as clips to USB sticks or DVD/CD media with a self-extracting video player for efficient data management. Unique data authentication algorithms check and report authenticity of recorded video. The HRXDS supports schedule-based automatic archiving and disk mirroring for convenient data back-up.

HRXDS offers full support for remote access using Remote Administration Software (RASplus) for remote monitoring of up to 16 DVRs at a time. RASplus is also used for remote searching of video as well as DVR administrative tasks such as configuration and software updates from a central site. Networking capabilities (LAN & ADSL) enable you to operate and manage the system remotely.

Market Opportunities

The advanced feature set of HRXDS, combined with its high recording rate of up to 240/200 ips, make it ideal to support a wide variety of surveillance applications including retail and financial. The text interface allows connection to ATMs and POS terminals. In law enforcement, the high capture rate of HRXDS supports simultaneous operation of multiple cameras. Fire-halls, schools, and many other institutions all benefit from the intuitive user interface that makes it easy to search for video evidence and then copy the video clips to commonly available media such as DVD, CD or USB memory sticks.

Features

- 8 or 16 looping video inputs (model dependent)
- Long-term video storage using XtraStor technology
- Records up to 240/200 images per second (NTSC/PAL)
- Built-in DVD-RW drive and 3 USB 2.0 ports
- Infrared remote control

- Mouse (not included) interface via USB port
- Text input for interface to automatic teller machines (ATM) and point of sale (POS) terminals
- Disk mirroring and video archiving
- PTZ dome control for a wide variety of protocols
- Web browser access via PC with Microsoft Internet Explorer

- Remote access through PSTN, LAN/WAN (internal NIC), DSL and ISDN (remote access software included)
- Ultra-wide SCSI port connects to an external storage device
- Multiple monitor connectors: 1 BNC Video Out, 1 SVHS, 4 Spot, 1 VGA
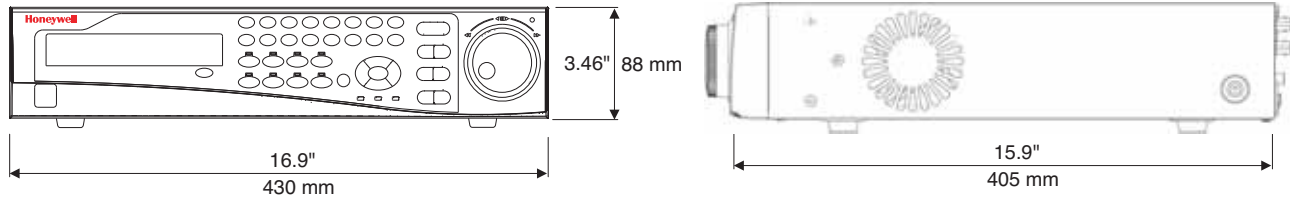- 4-channel audio recording and 1-channel audio playback

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SPECIFICATIONS

RAS Plus Software	
Maximum sessions per HRXDS recorder	14 simultaneous connections
Administration	2 sessions
Users Viewing Live Video (and activating outputs)	10 sessions
Users Retrieving Video	2 sessions
Compatibility	Microsoft Windows XP or Vista; See RASplus User Guide for additional detail Doc. 800-05056

Recorder Unit	
Video Standard	NTSC or PAL (Auto Detect)
Video Format	720 x 480 (NTSC) 720 x 576 (PAL)
Color Control	Brightness, contrast, hue and saturation
Recording and Transmission Compression Algorithm	XtraStor compression technology
Record Mode	(FIFO) Continuous buffer
Recording Capacity	2 TB
Recording Rate (Global)	Up to 240/200 ips (NTSC/PAL)
Video Qualiity Settings	CIF: 352x240 (NTSC), 352x288 (PAL) 2CIF: 704x240 (NTSC), 704x288 (PAL) 4CIF: 704x480 (NTSC), 704x576 (PAL)
Video Motion Detection	Configurable zone detection area and sensitivity
Video Motion Search	Configurable zone of interest and sensitivity level. Includes clip list with preview image
POS/ATM or Alarm Data	RS232 port accepts single data stream with multiplexed data from up to 8 or 16 terminals using VP Filter
Event Recording and Reporting	Input via – alarm i/p contacts, Motion and POS/ATM data. Reporting via internal buzzer, alarm o/p contacts, RAS and e-mail notification
Mass Storage	Ultra-wide SCSI port; high density 68 pin female connector
Removable Media	Built-in DVD burner and 3 USB ports
Still Image	Bitmap or JPEG file format
Front Panel Control	Intuitive operation supports jog dial, shuttle ring, mouse and IR remote
SNTP Client	Synchronize timing to SNTP servers
DHCP Enabled	DHCP or manual IP entry & ADSL with PPPoE
Port Number Setup	Individual entries for Remote Admin, Remote Watch, Remote Search, Remote Callback, Remote Audio
PTZ Protocols Support	Support for up to 50 PTZ protocols
Language Support	English, French, Spanish, Dutch, Italian, Portuguese and German
Internal Buzzer	Selectable upon alarm or event

Connections	
Video Input	8 or 16 – Looping, BNC 1 Vp-p @ 75 Ohms, Auto Terminating
Video Output	1 – Composite, BNC 1 Vp-p @ 75 Ohms 1 – SVHS 1 – VGA 4 – Spot, BNC 1.0 – Vp-p @ 75 Ohms
Audio Input/ Output	4 – Line level, RCA 1 – Line Out, RCA
Alarm/Control Inputs General Purpose	8 ch DVR: 8 TTL programmable as NC or NO 16 ch DVR: 16 TTL programmable as NC or NO
Alarm Reset Input	Front panel or 1 TTL terminal block
Control Outputs	7 or 15 TTL open collector, 30 mA @ 12 VDC, 1 relay output, 1A @ 30 VDC
Serial Ports	1 – RS232-C DB9 (P) 3 – USB (2.0), mouse supported 1 – RS485 port
Primary Storage	Internal HDD (up to 2)
Secondary Storage interface	Ultra-wide SCSI port, high-density female 68 pin connector
Networking	10/100 base Ethernet (RJ-45)
IR Port	IR Remote Control

Electrical	
Input Power	100-240 VAC, 2 A, 60-50 Hz
Power Consumption	85 Watts

Mechanical	
Dimensions (W x H x D)	16.9" x 3.46" x 15.9" 430 mm x 88 mm x 405 mm
Weight	Unit: 22.5 lb (10.2 kg) Shipping: 27.6 lb (12.5 kg)
Construction	Housing: Steel chassis Finish: Black matte paint

Environmental	
Temperature	Operating: 41°F to 104°F (5°C to 40°C) Storage: 41˚F to +104˚F (5˚C to 40˚C)
Relative Humidity	0% - 90%, non-condensing

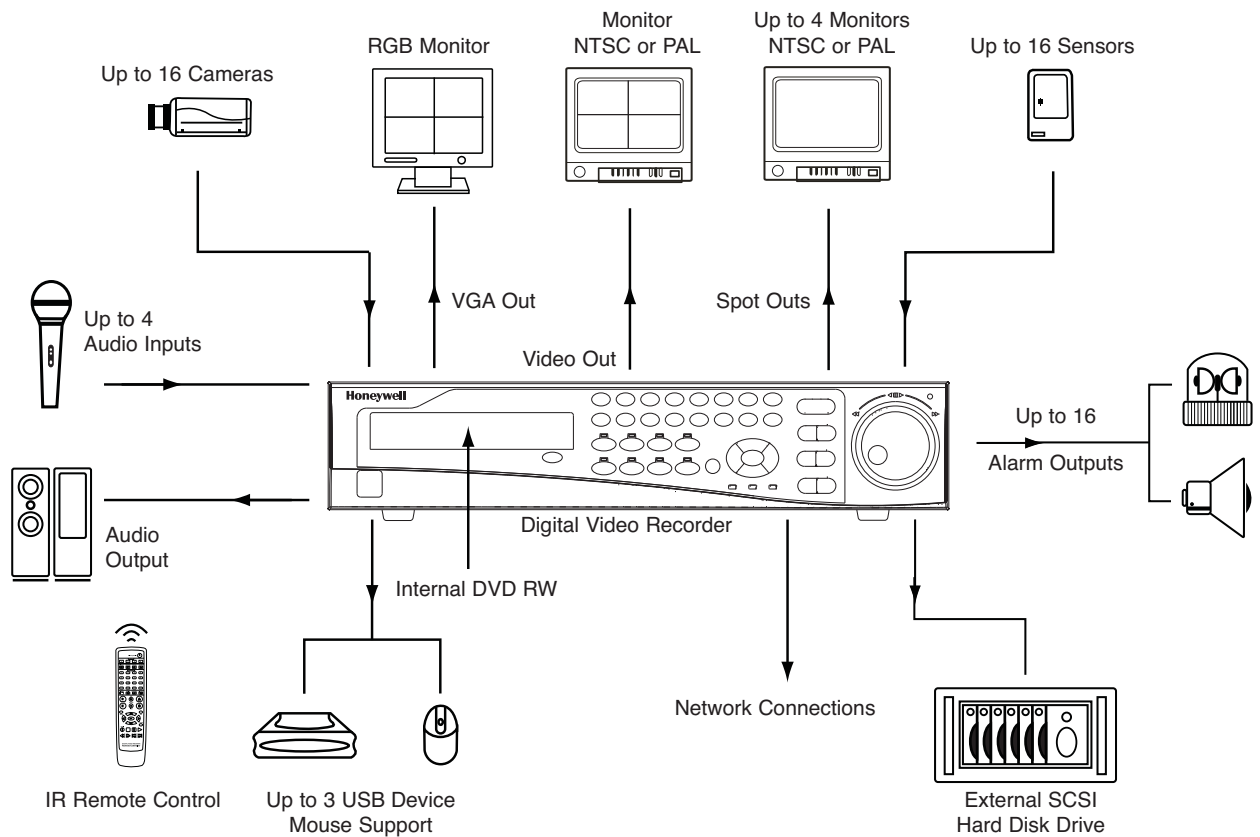| Regulatory	
Emissions	FCC: Part 15 Subpart B, Class A EN55022 :2006 Class A EN61000-3-2 :2006 EN61000-3-3:1995+A1 :2001+A2 :2005
Immunity	EN50130-4:1995+A2:2003
Safety U.S. and Canada International	UL 60950-1, 1st Edition, 2007-10-31 CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07

HRXDS Series

SYSTEM DRAWING

3.46" 88 mm

16.9"
430 mm

Front View

15.9"
405 mm

Side View

Up to 16 Cameras

RGB Monitor

Monitor
NTSC or PAL

Up to 4 Monitors
NTSC or PAL

Up to 16 Sensors

Up to 4
Audio Inputs

VGA Out

Spot Outs

Video Out

Up to 16

Alarm Outputs

Audio
Output

Digital Video Recorder

Internal DVD RW

Network Connections

IR Remote Control

Up to 3 USB Device
Mouse Support

External SCSI
Hard Disk Drive

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RECOMMENDED ACCESSORIES

POS/ATM Interface	
HASMPIT	SmartPit, POS/ECR or ATM text inserter
Monitors	
HMLCD19e2	19" e-Series Color LCD Monitor (VGA)
HMLCD17L	17" L-Series Color LCD Monitor (VGA)
Cameras	
Fixed Cameras, Domes, PTZ	See Honeywell's full line of indoor and outdoor cameras, housings, lenses, and infrared illuminators
Surge Protection	
HCSP1	Camera Surge Protector
HDSP1	PTZ Dome Surge Protector

Ordering

HRXDS16   D   2T   X

Signal Format
X   PAL
           NTSC

Storage
250   250GB Fixed HDD*
500   500GB Fixed HDD
1T   1TB Fixed HDD**
2T   2TB Fixed HDD**

DVD-RW
Internal DVD-RW drive installed with all models

Model
HRXDS8   8 channel DVR
HRXDS16   16 channel DVR

* Only available with 8 channel
** Only available with 16 channel

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