HRDP DVR Series

4, 8 & 16 CHANNEL EMBEDDED DIGITAL VIDEO RECORDER

The Performance Series HRDP digital video recorder (DVR) offers a feature set comparable to many high-end embedded DVRs but at a much lower price!

Recording at a rate of up to 120/100 ips NTSC/PAL, HRDP offers high-end capabilities such as a user-friendly front panel, IR remote control, record Setup Wizard, express search, an internal DVD-RW and 2 USB ports for copying evidence. When saving video clips to portable media, a viewer executable is included with each clip, which eliminates the need to install a separate viewer on a PC. HRDP supports continuous, event, and combined continuous/event recording and is configurable per channel. Upon detection of motion, HRDP can automatically boost the ips recording rate to capture additional detail of the scene. E-mail notification can be set up to alert a system administrator of DVR operational status conditions and site status notifications upon detection of motion.

HRDP can be remotely accessed by system administrators and other DVR clients using a PC via Web browser or via the powerful Remote Software included with each HRDP DVR. The Remote Software allows the administrator to configure, update, and operate the DVR from a central location. Remote DVR configuration and downloading software updates from a central site, saves time and money by reducing the need for periodic site visits. System operators can have individual privileges enabled or denied for functions such as live view per camera, playback, backup, and PTZ control.

Market Opportunities

Supporting an advanced feature set and low pricing, the HRDP is an ideal DVR for a wide variety of surveillance applications including small to medium-sized retail, financial, warehouse, and educational facilities. Web browser remote access in addition to Remote Software opens up many new application possibilities for HRDP. Business owners can check in on their businesses from virtually any location using a PC with a Web browser and internet access.

Features

- 4, 8 or 16 looping video inputs
- Continues recording during playback and during transmitting to remote site
- Built-in DVD-RW drive and 2 USB 2.0 ports
- Records up to 120/100 images per second (NTSC/PAL)
- PTZ dome control for a wide variety of protocols
- Remote access through web browser, LAN/WAN (internal NIC), and DSL (remote access software included)

- Self-diagnostics with automatic notification including hard disk drive S.M.A.R.T. protocol
- Multiple search engines (date/time, event, express search)
- Robust MPEG-4 video compression
- Infrared remote control
- Embedded Linux OS — OS embedded in flash
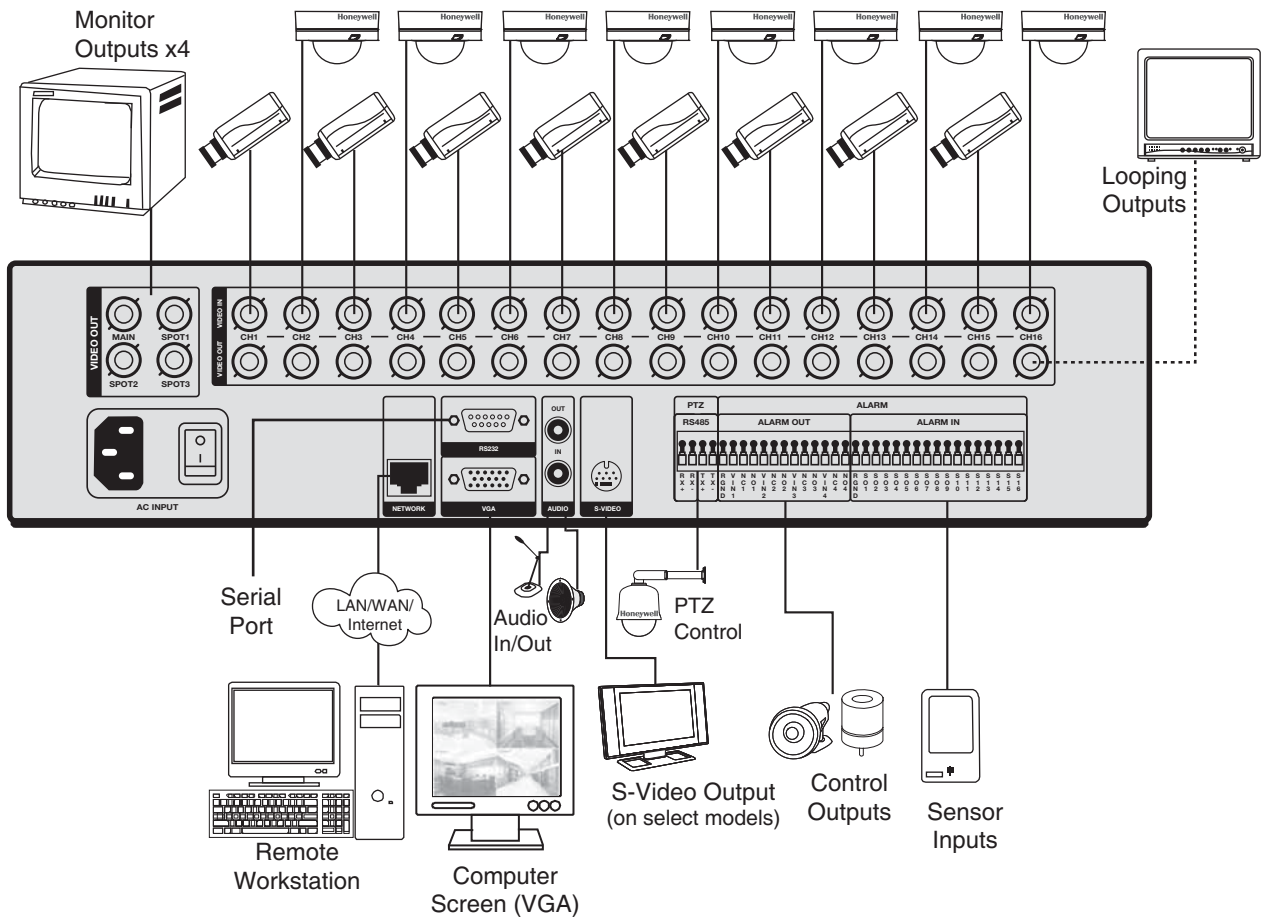
SPECIFICATIONS

Remote Software	
Sessions Maximum per HRDP recorder	4 simultaneous connections
Administration; configuration, live view, search	1 session
Users viewing live video and retrieving video	2 sessions
Above with PTZ control	1 at time controlling PTZ
Compatibility	Microsoft Windows XP or Vista; See HRDP User Guide for additional detail.

Recorder Unit	
Video Standard	NTSC or PAL
Color Control	Brightness, contrast, saturation and hue
Recording and Transmission Compression Algorithm	MPEG-4
Record Mode	(FIFO) Continuous buffer
Recording Capacity	Hard drive capacities up to 1TB, see ordering section for details
Recording Rate (Global)	120/100 ips (NTSC/PAL)
Video Resolution Settings	CIF: 352x240 (NTSC) or 352x288 (PAL) 2CIF: 704x240 (NTSC) or 704x288 (PAL) 4CIF: 704x480 (NTSC) or 704x576 (PAL)
Video Motion Detection	Configurable zone detection area and sensitivity
Event Recording and Reporting	Input via – alarm i/p contacts, and motion. Reporting via alarm o/p contacts, e-mail notification
Removable Media	Built-in DVD-RW and two USB ports
Still Image	JPG file format using RAS
Front Panel Control	Intuitive operation supports IR remote control
NTP Client	Synchronize timing to NTP servers
DHCP Enabled	DHCP or static IP entry
Port Number Setup	Individual entries for remote port and web port
PTZ Protocols Support	Support for up to 60 PTZ protocols
Language Support	English, French, Italian, Spanish, Portuguese, German, Korean, and Russian

Connections	
Video Input	4, 8, or 16 – Looping, BNC 1 Vp-p @ 75 Ohms, Auto Terminating
Video Output	1 – Composite, BNC 1 Vp-p @ 75 Ohms (4, 8, 16 ch) 1 - VGA (4, 8, 16 ch) 1 - S-Video Main Monitor (16 ch only) 3 – Spot (16 ch only) BNC 1.0 – Vp-p @ 75 Ohms 1 – Spot (4 & 8 ch only) BNC 1.0 – Vp-p @ 75 Ohms
Audio Input/ Output	1 – Line level, RCA G.726 Compression 1 – Line Out, RCA
Sensor Inputs General Purpose	NO/NC settable 4 – 4 ch DVR 8 – 8 ch DVR 16 – 16 ch DVR
Control Outputs	1 NC or NO, 4 & 8 ch DVR 24V, 1 A 4 NC or NO, 16 ch DVR 24V, 1A
Serial Ports	1 – RS232-C DB9 (P) 2 – USB (2.0) 1 – RS485 port
Primary Storage	Internal HDD
Networking	10/100 base Ethernet (RJ-45)

Electrical	
Input Voltage	110 ~ 230 VAC, 1.75 ~ 0.85 A, 47-63 Hz
Power Consumption	153 Watts

Mechanical	
Dimensions (W x H x D)	15.75"(W) x 15.75"(D) x 3.5"(H) 400 mm x 400 mm x 88 mm
Weight	Unit: 18 lb (8.2 kg) Shipping: 22 lbs (10 kg)
Construction	Housing: Steel chassis Finish: Black matte paint

Environmental	
Temperature	Operating: 32°F to 104°F (0°C to 40°C) Storage: 32°F to 104°F (0°C to 40°C)
Relative Humidity	0% - 90%, non-condensing

Regulatory	
Emissions	FCC Part 15, Subpart B, Class B EN61000-3-2:2006 EN61000-3-3:1995+A1:2001+A2:2005 EN55022: 2006
Immunity	EN50130-4:1995+A1:1998A2:2003
Safety	IEC 60950-1:2001 First Edition UL/cUL 60950-1-2001 EN60950-1:2001

SYSTEM DRAWING

HRDP DVR Series

ACCESSORIES, DIMENSIONS, ORDERING

Recommended Accessories	
HRDP DVR	
HRDPRC	Spare IR Remote Control
HRDPRMKT	19-inch Rack Mount Kit
Monitors*	
HMLCD19e2	19" e-Series Color LCD Monitor (VGA)
HMLCD17L	17" L-Series Color LCD Monitor (VGA)
HMLCDARM	Arm mount for HMLCD17/19
HMLCDTM	Tilting wall mount for HMLCD17/19

Recommended Accessories, Cont.	
Cameras*	
HB73	IR Bullet, super high resolution True Day/Night
HD73	Mini-dome, super high resolution day/night
HD3CH	Mini-dome, super high resolution day/night vandal resistant
ACUIX™	High-performance PTZ camera
Surge Protection	
HCSP1	Camera Surge Protector
HDSP1	PTZ Dome Surge Protector

* See Honeywell's full line of monitors and cameras at www.honeywellvideo.com

3.5" (88 mm)

15.75" (400 mm)

Front View

15.75" (400 mm)
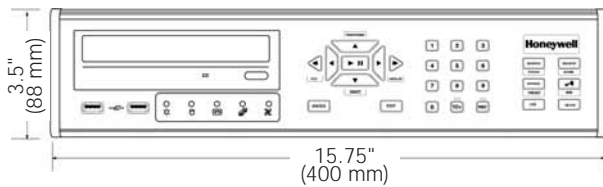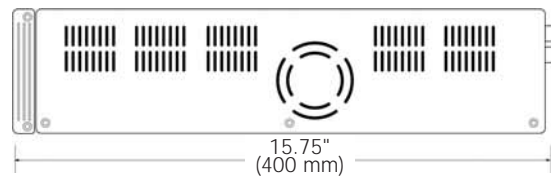
Side View

Ordering

HRDP16   D   1000   X

Signal Format
X   PAL
          NTSC

Storage   1000 GB Fixed HDD**
                750 GB*
                500 GB
                250 GB

DVD-RW   D = Internal DVD-RW drive

Model
HRDP16   16 channel DVR
HRDP8   8 channel DVR
HRDP4   4 channel DVR

** Only available with 16 ch DVR
* Only available with 8 & 16 ch DVR

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