HRDP4FX DVR

4 CHANNEL EMBEDDED DIGITAL VIDEO RECORDER

The Performance Series HRDP4FX 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 100 images per second (ips) PAL, HRDP4FX supports high-end recording capabilities such as a user-friendly front panel, Record Set-up Wizard, express search, and 2 USB ports for copying video evidence to portable media. HRDP4FX supports continuous, event, and combined continuous/event recording and is configurable per channel. Upon detection of motion, HRDP4FX can automatically boost the ips recording rate to capture additional detail of the scene under motion. When saving video clips to portable media, a viewer executable is included with each clip which eliminates the need to install a viewer separately on the computer used for evidence viewing. E-mail notification can be set up to alert DVR status conditions such as video loss, upon detection of motion, or in the event of sensor activity.

HRDP4FX 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 HRDP4FX DVR. The Remote Software advanced feature set 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, playback, back-up and PTZ control.

Market Opportunities

Supporting an advanced feature set and low pricing, the HRDP4FX is an ideal DVR for a wide variety of surveillance applications including small to medium-sized retail outlets, apartment buildings, service shops and warehouse facilities. Web browser remote access in addition to Remote Software opens up many new application possibilities for HRDP4FX. Business owners on-the-move in this highly mobile society can use a PC with a Web browser and Internet access to check-in on their businesses from virtually any location.

Features

- 4 video inputs
- Continues recording during playback and during transmitting to remote site
- 2 USB 2.0 ports
- Records up to 100 images per second (PAL)
- PTZ dome control for a wide variety of protocols
- Self-diagnostics with automatic notification including hard disk drive S.M.A.R.T. protocol

- Remote access through web browser and/or Remote Software, LAN/WAN (internal NIC), and DSL (remote access software included)
- Multiple search engines (date/time, event, first, last)
- Robust MPEG-4 video compression
- Infrared remote control included
- Embedded Linux OS — OS embedded in flash
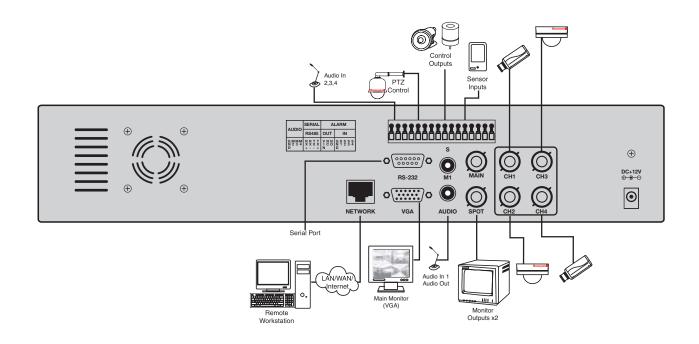- 4 audio inputs, 1 audio output

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SPECIFICATIONS

Remote Software	
Sessions Maximum per HRDP4FX 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 HRDP4FX User Guide for additional detail.

Recorder Unit	
Video Standard	PAL
Color Control	Brightness, contrast, saturation and hue
Recording and Transmission Compression Algorithm	MPEG-4
Record Mode	(FIFO) Continuous buffer
Recording Capacity	250 GB; see ordering section for details
Recording Rate (Global)	100 ips (PAL)
Video Resolution Settings	CIF: 352x288 (PAL) 2CIF: 704x288 (PAL) 4CIF: 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	Two USB ports
Still Image	JPG file format using RAS
Front Panel Control	Intuitive operation supports IR remote control
DHCP Enabled	DHCP or static IP entry
Port Number Set-up	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 – BNC 1 Vp-p @ 75 Ohms
Video Output	1 – Composite, BNC 1 Vp-p @ 75 Ohms 1 – VGA 1 – Spot BNC 1.0 – Vp-p @ 75 Ohms
Audio Input/ Output	Input: 4 Channel, Line Level (1-RCA, 3-terminal) Output: 1 Channel, Line Level
Sensor Inputs General Purpose	4 – NO/NC settable 24 VDC, 1A maximum input
Control Outputs	1 – NC or NO, 24 VAC/DC, 1 A
Serial Ports	1 – RS232-C DB9 (P) 2 – USB (2.0) 1 – RS485 port
Primary Storage	1 – Internal HDD
Networking	10/100 base Ethernet (RJ-45)

Electrical	
Input Voltage	Power adapter (external), Input voltage range: 100 – 240 VAC 50Hz/60Hz, input current: 1.7A max
Power Consumption with 250 GB HD	Max: 38 Watts Inrush: 26 Watts Nominal: 16 Watts

Mechanical	
Dimensions (W x H x D)	350.01 mm x 258.06 mm x 69.85 mm
Weight	Unit: 5 kg Shipping: 5.9 kg
Construction	Housing: Steel chassis Finish: Black matt paint

Environmental	
Temperature	Operating: 0°C to 40°C Storage: 0°C to 40°C
Relative Humidity	0% - 90%, non-condensing

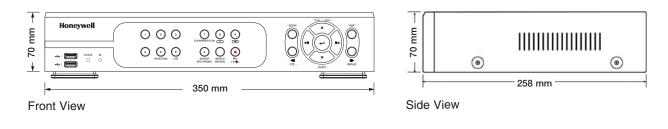| Regulatory	
Emissions	FCC Part 15B, EN 55022:2006 + A1:2007
Immunity	EN 55024:1998 w/ A1:2001 and A2: 2003
Safety	UL/CUL UL 60950-1, First Ed., CSA C22.2 No. 60950-1, First ed., IEC 60950-1, First Ed.

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SYSTEM DRAWING

Audio In 2,3,4

PTZ Control

Control Outputs

Sensor Inputs

AUDIO	SERIAL		ALARM	
	RS485	OUT	IN	
G M M M N 2 3 4 D	R R T T X X X X + - - +	T V N I C O N	G S S S S N 1 2 3 4 D	

RS-232

S M1

MAIN

CH1 CH3

DC+12V

NETWORK

VGA

AUDIO

SPOT

CH2 CH4

Serial Port

Remote Workstation

LAN/WAN/ Internet

Main Monitor (VGA)

Audio In 1 Audio Out

Monitor Outputs x2

HRDP4FX DVR Series

ACCESSORIES, DIMENSIONS, ORDERING

Recommended Accessories	
HRDP4FX DVR	
HRDPRC	Spare IR Remote Control
Monitors*	
HMLCD19e2X	19" e-Series Colour LCD Monitor (VGA)
HMLCD17LX	17" L-Series Colour LCD Monitor (VGA)

Recommended Accessories, Cont.	
Cameras*	
HB73X	IR Bullet, super high resolution True Day/Night
HD73X	Mini-dome, super high resolution day/night
HD3CHX	Mini-dome, super high resolution day/night vandal resistant
ACUIX™	High-performance PTZ dome cameras
Surge Protection	
HCSP1	Camera Surge Protector
HDSP1	PTZ Dome Surge Protector

* See Honeywell's full line of monitors and cameras
 at www.honeywell.com/security/uk

Front View

Side View

Ordering

HRDP4 F 250 X

Signal Format
X   PAL

Storage   250 GB HDD

F = Fixed Hard Drive

Model
HRDP4   4 channel DVR

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

For additional information,

please visit www.honeywell.com/security/uk

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