HRDPH DVR Series – 4 IP Channels

400 IPS 16 CHANNEL, 200 IPS 8 CHANNEL, 100 IPS 4
CHANNEL - EMBEDDED DIGITAL VIDEO RECORDER WITH 4 IP
CHANNELS

HRDPH offers an advanced feature set which is competitively priced and ideal for a wide variety of surveillance applications within small to medium-sized retail, financial, warehouse, and educational facilities. The powerful search engines can be used to quickly identify sources of theft and its viewer executable makes it easy to hand over video evidence to others for viewing on a PC using the powerful HFVMS platform.

The HRDPH digital video recorder (DVR) offers clear crisp video using H.264 video compression and a high image per second recording rate. HRDPH supports max 4 IP channels up to 1080p resolution and provides a feature set comparable to many high-end embedded DVRs but at a much lower price.

Recording at a rate of up to 400 ips (PAL) at CIF resolution, the HRDPH supports high-end recording capabilities such as applications that require real-time recording rates for each analogue and IP camera. It supports Honeywell and 3rd Party ONVIF IP Cameras. Mobile Apps for iPhone/iPad and Android devices enable remote access of Live, Search&Playback and Export video. HRDPH offers a user-friendly front panel control, mouse operation, IR remote control, Keyboard remote control, wizards for fast and easy DVR setup, graphical search engines to find video evidence quickly, an internal DVD-RW and two USB ports for copying evidence to portable media. HRDPH supports continuous, event and combined continuous/event recording and is configurable per channel. When it detects motion, HRDPH can automatically boost the recording rate to capture additional detail of the scene in motion. When saving video clips to portable media, a viewer executable can be included with each clip, which eliminates the need to install a viewer separately on the evidence-viewing PC. E-mail notification can be set up to alert the system administrator of DVR status conditions and site status upon detection of motion or in the event of sensor activity.

In addition to the iPhone/iPad and Android described above, HRDPH 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 unit. 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, backup, and PTZ control. Once the video evidence is found, the user can save video clips to the PC and/or portable media such as a USB stick using Remote Software.

Features

- 4, 8 or 16 looping video inputs
- 4 IP cameras up to 1080p Res
- 4 audio inputs, 1 audio output
- Continuous recording during playback and transmission to remote site
- Remote control with HJC4000 keyboard and Mouse (not included) control
- Built-in DVD-RW and two USB 2.0 ports
- Records up to 400 images per second PAL
- Embedded Linux OS embedded in flash
- PTZ dome control for a wide variety of protocols

- Mobile Apps (iOS and Android devices) for remote access of live, playback and export video, with PTZ and relay control. Relay control function is not available on iPhone App
- Remote access through web browser and/or Remote Software, 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
- ONVIF standard v2.1 supported
- Infrared remote control included
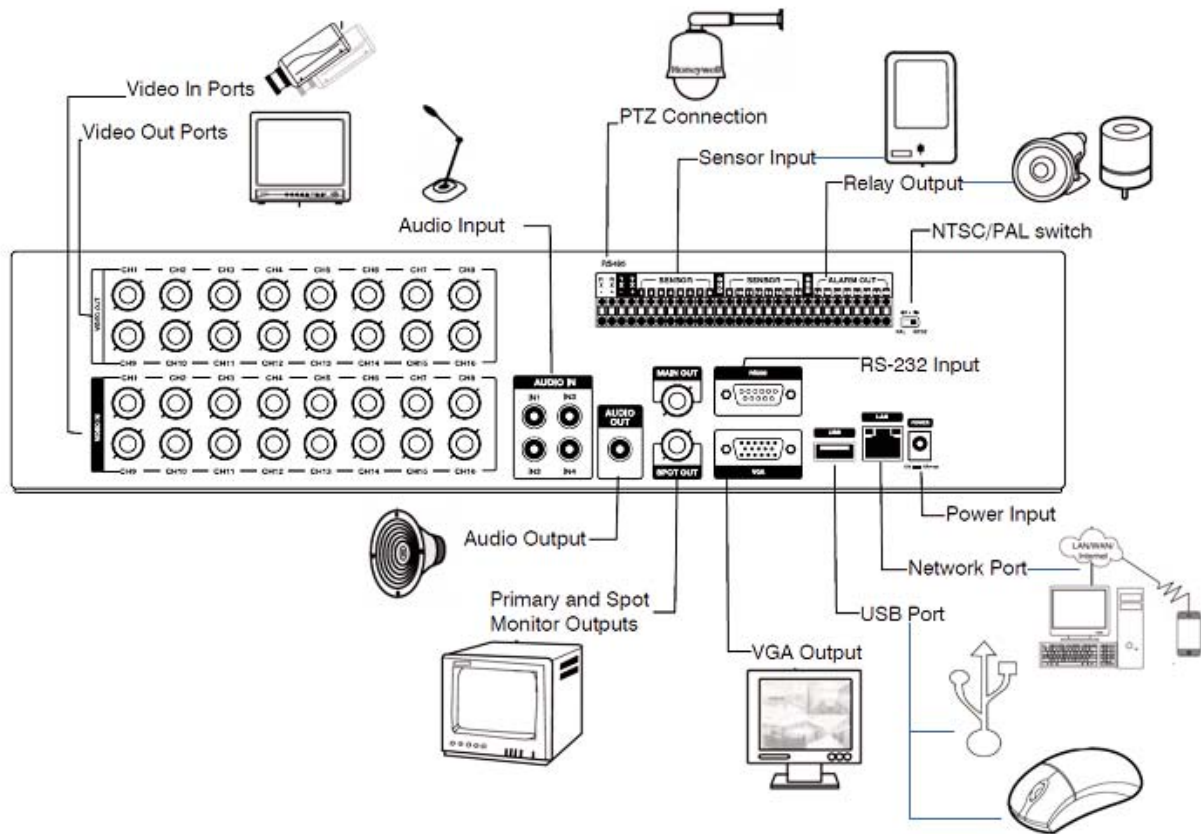
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SPECIFICATIONS

Recorder Unit	
Video Standard	NTSC or PAL (Auto Detect)
Video Display Format	400IPS (PAL)
Color Control	Brightness, contrast and color
Recording and Transmission Compression Algorithm	H.264 codec
Record Mode	(FIFO) Continuous buffer
Recording Capacity	Hard drive capacities up to 4 TB, see ordering section for details
Analogue Recording Rate (Global)	Up to 300pps (PAL) at CIF resolution with 4 IP cameras connected (400pps with no IP cameras)
IP Recording Rate	Up to 25pps @1080p for each IP camera
Video Resolution Settings	CIF: 352 x 288 (PAL) 2CIF: 704 x 288 (PAL) 4CIF: 704 x 576 (PAL)
IP Video Resolution Supported	VGA: 640x480 720p: 1280x720 1080p: 1920x1080
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 option and two USB ports
Still Image	JPEG file format using RAS
Front Panel Control	Intuitive operation supports IR remote control and HJC4000 keyboard via RS-232 and RS-485 serial
NTP Client	ISynchronise timing to NTP servers
DHCP Enabled	DHCP or manual IP entry
Port number set-up	Individual entries for remote port and web port
PTZ Protocols Support	Support for up to 60 PTZ protocols
IP Cameras support	All Honeywell IP camera models and 3rd party ONVIF IP cameras (AXIS, Bosch, Sony, Arecont, HikVision, Panasonic, Vivotek, Samsung,…)
Language Support	English, French, German, Dutch, Spanish, Portuguese, Italian, Russian, Polish, Czech

Remote Software	
Sessions maximum per HRDPH recorder	5 simultaneous connections
Administration; configuration, live view, search	1 session
Users Viewing Live Video and retrieving video	3 sessions
Above with PTZ control	1 at time controlling PTZ
Remote Software Compatibility	Microsoft Windows XP, Vista, Windows 7; See HRDPH User Guide for additional detail.
Mobile Apps Compatibility	Supported Apple Models: • Apple iPhone 3G, 3GS, 4, 5 • Apple iPod touch 3GS, 4 • Apple iPad 1, 2, 3 Retina • Android Devices

Connections	
Video Input	4, 8, or 16 (Looping), BNC 1 Vp-p @ 75 Ohms, Auto Terminating
Video Output	MAIN-OUT (BNC & VGA) and SPOT-OUT (BNC)
Audio Input/Output	4 CH RCA Audio in / 1CH RCA Audio out
Sensor Inputs General Purpose	4, 8, or 16 sensor inputs (NO/NC selectable)
Control Outputs	4 Control/Relay Outputs
Serial Ports	1 - RS232, 2 - USB (2.0), 1 - RS485
Internal Storage	2x SATA HDD
Networking	10/100 NIC Onboard (TCP/IP, DHCP, DDNS)

Electrical	
Input Voltage	12 VDC, 5 A
Power Consumption	60 W

Mechanical	
Dimensions (W x H x D)	400 mm x 88 mm x 400 mm
Weight	Unit: 7.2kg Shipping: 10.9 kg
Construction	Housing: Steel chassis Finish: Black matte paint

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

Regulatory	
Safety	EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011
Emissions	EN 55022:2010 (Class A) EN 50130-4:2011 EN 61000-3-2: 2006 + A1: 2009 + A2: 2009 EN 61000-3-3: 2008 FCC Part 15:2009, Subpart B, Class B
Immunity	EN50130-4:1995/A1:1998/A2:2003
Rosh	EN 50581:2012

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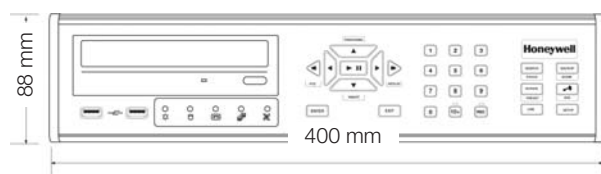# HRDPH DVR Series – 4 IP Channels

SYSTEM DRAWING

HRDPH DVR Series – 4 IP Channels
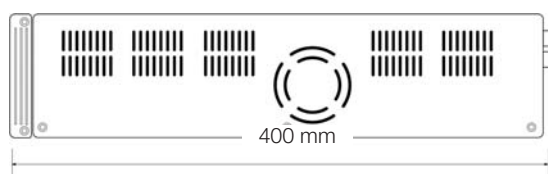
ACCESSORIES, DIMENSIONS, ORDERING

Recommended Accessories	
HRDP-DVR	
HRDPRC	Spare IR remote control
HRDPRMKT	Spare 19-inch rack mount kit
Monitors*	
HMLCD19LX	19" e-Series Colour LCD Monitor (VGA)
HMLCD17LX	17" L-Series Colour LCD Monitor (VGA)
Keyboard	
HJC4000	UltraKey Touch controller for low end DVRs and PTZ Systems

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

Recommended Accessorie-s, Cont.	
Cameras*	
HB273X	IR Bullet, super high resolution True Day/Night
HD73PX	Mini-dome, super high resolution 600TVL day/night, VFAI 3,8-9,5mm
HD3HRSX	Mini-dome, super high resolution day/night
HDZ Analogue series	High Quality 650TVL Analogue PTZ cameras
IP Cameras* (examples)	
H4D1F1X	Network True Day/Night Rugged Fixed Dome, 720p, 3.3-12 mm VFAI, 24 VAC, PAL, ONVIF
HCD2FX	Network True Day/Night, 1/2.7" Progressive Scan, 1080p, 24 VAC, H.264, PAL, ONVIF

88 mm | 400 mm

Front View

400 mm

Side View

Ordering

HRDPH8   D   1T   X

Signal format
X   PAL

Storage   4T = 4 TB Fixed HDD**
2T = 2 TB*
1T = 1 TB
50 = 500 GB***

DVD-RW   D = Internal DVD-RW

Model

HRDPH16   16 channel DVR
HRDPH8   8 channel DVR
HRDPH4   4 channel DVR

* Only available with 8 & 16 channel
** Only available with 16 channel
*** Only available with 4 channel

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

For additional information,
please visit www.honeywell.com/security/me

Honeywell Security Group
Emaar Business Park, Sheikh Zayed Road
Building No. 2, 3rd Floor, Office No. 301
PO Box 232362
Dubai
United Arab Emirates
Tel: +971-4-454-1719 / +971-4-454-1701
Fax: +971 4 450 5900
www.honeywell.com

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