Honeywell

# 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

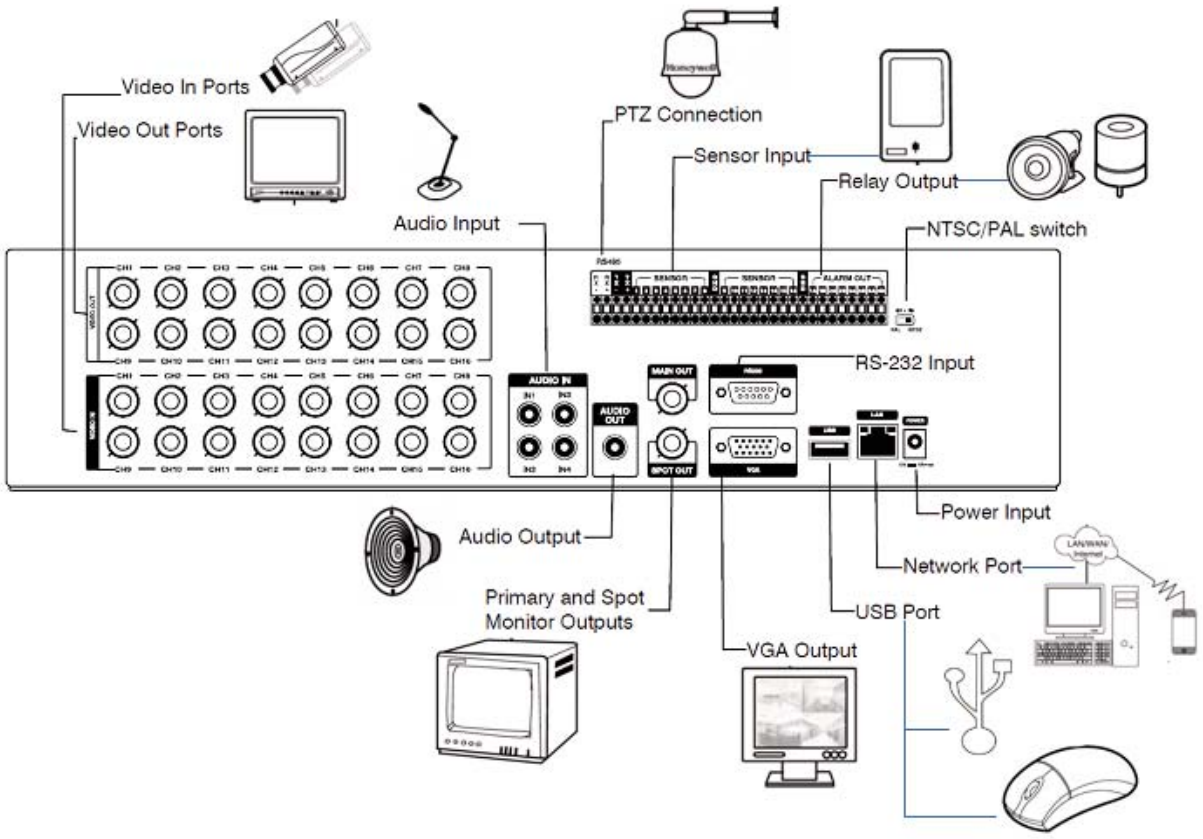
| Recorder Unit | |
|---|---|
| Video Standard | NTSC or PAL (Auto Detect) |
| Video Display Format | 400IPS (PAL) |
| Color Control | Brightness, contrast and color |
| Recording and Transmission Compression Algorithm | H.264 codec |
| Record Mode | (FIFO) Continuous buffer |
| Recording Capacity | 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)<br>2CIF: 704 x 288 (PAL)<br>4CIF: 704 x 576 (PAL) |
| IP Video Resolution Supported | VGA: 640x480<br>720p: 1280x720<br>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:<br>• Apple iPhone 3G, 3GS, 4, 5<br>• Apple iPod touch 3GS, 4<br>• Apple iPad 1, 2, 3 Retina<br>• 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)<br>EN 50130-4:2011<br>EN 61000-3-2: 2006 + A1: 2009 + A2: 2009<br>EN 61000-3-3: 2008<br>FCC Part 15:2009, Subpart B, Class B |
| Immunity | EN50130-4:1995/A1:1998/A2:2003 |
| Rosh | EN 50581:2012 |

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SYSTEM DRAWING



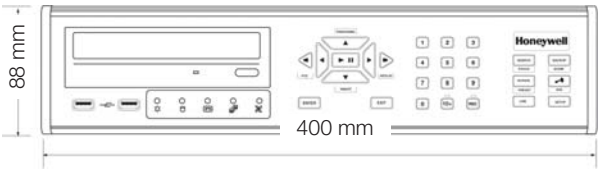
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## ACCESSORIES, DIMENSIONS, ORDERING

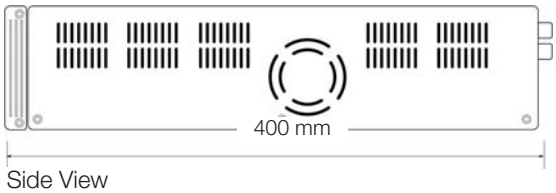
| Recommended Accessories | |
|---|---|
| **HRDP-DVR** | |
| HRDPRC | Spare IR remote control |
| HRDPRMKT | Spare 19-inch rack mount kit |
| **Monitors*** | |
| HMLCD19LX | 19" e-Series Colour LCD Monitor (VGA) |
| HMLCD17LX | 17" L-Series Colour LCD Monitor (VGA) |
| **Keyboard** | |
| HJC4000 | UltraKey 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 |



Front View



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/uk

**Honeywell Security Group**
Group Aston Fields Road Whitehouse
Industrial Estate Runcorn, Cheshire
WA7 3DL
Tel: 08448 000 235
www.honeywell.com

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