

## HRDPX16 H.264 DVR

www.honeywellvideo.com

### 480/400 (NTSC/PAL) IPS 16-CHANNEL EMBEDDED DIGITAL VIDEO RECORDER

The HRDPX16 DVR offers a high ips recording rate combined with a feature set comparable to many high-end embedded DVRs—but at a much lower price!

HRDPX16 supports continuous, event, and combined continuous/event recording and is configurable per channel. Upon detection of motion, HRDPX16 can automatically boost the ips recording rate to capture additional details of the scene. In addition to recording at a rate of up to 480/400 ips NTSC/PAL, HRDPX16 supports high-end capabilities such as Remote-View (app for Apple iPhone®) for remote view of live video, user-friendly front panel control, mouse operation, IR remote control, a Setup Wizard for fast and easy DVR setup, graphical search engines to quickly find the evidence video, an internal DVD-RW and two USB ports for copying evidence video to portable media. Once evidence video is located, the user can save video clips to the PC and/or to portable media such as a USB stick using Remote Software, and a viewer executable is included with each clip that eliminates the need to install a viewer separately on the PC used to view the clip.

In addition to the Remote-View iPhone app described above, HRDPX16 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 advanced feature set of the Remote Software allows the administrator to configure, update, and operate the DVR from a central location. The ability to configure the unit remotely and download 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. 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 or in the event of sensor activity.

#### Market Opportunities

Supporting an advanced feature set and low pricing, HRDPX16 is ideal for a wide variety of surveillance applications including government, retail, financial, warehouse, and educational facilities. HRDPX16 is well suited to support applications requiring high image per second recording such as law enforcement installations and capturing maximum detail for building entrances and exits.

In addition to Remote Software, remote access using the web browser opens up many new application possibilities for HRDPX16. Business owners on the move in today's highly mobile society can check in on their businesses from virtually any location using a PC with a web browser and Internet access.

#### Features

- 16 looping video inputs
- 4 audio inputs, 1 audio output
- Continuous recording during playback and during transmitting to remote site
- Mouse control via front panel
- Built-in DVD-RW drive and two USB 2.0 ports
- Records up to 480/400 images per second NTSC/PAL
- PTZ dome control for a wide variety of protocols
- Remote-View iPhone app for remote access of live video
- 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
- Infrared remote control included
- Embedded Linux OS — OS embedded in flash



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### SPECIFICATIONS

Remote Access	
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
Remote Software Compatibility	Microsoft Windows XP, Vista, Windows 7; See HRDP User Guide for additional detail.
Remote-View (iPhone app)	Supported Apple® Models: <ul style="list-style-type: none"> <li>• Apple iPhone 3G, 3GS, 4</li> <li>• Apple iPod touch 3GS, 4</li> <li>• Apple iPad 1</li> </ul>
Recorder Unit	
Video Standard	NTSC or PAL
Video Display Format	480 ips (NTSC) 400 ips (PAL)
Color Control	Brightness, contrast and color
Recording and Transmission Compression Algorithm	H.264
Record Mode	(FIFO) Continuous buffer
Recording Capacity	Hard drive capacities up to 4 TB, see ordering section for details
Recording Rate (Global)	Up to 480/400 ips (NTSC/PAL)
Video Resolution Settings	CIF: 352 x 240 (NTSC) or 352 x 288 (PAL) 2CIF: 702 x 240 (NTSC) or 704 x 288 (PAL) 4CIF: 704 x 480 (NTSC) or 704 x 576 (PAL)
Video Motion Detection	Configurable zone detection area and sensitivity
Event Recording and Reporting	Input via – alarm input contacts, and motion. Reporting via alarm output 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
NTP Client	Synchronize timing to NTP servers
DHCP Enabled	DHCP or manual 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, German, Dutch, Spanish, Portuguese, Italian

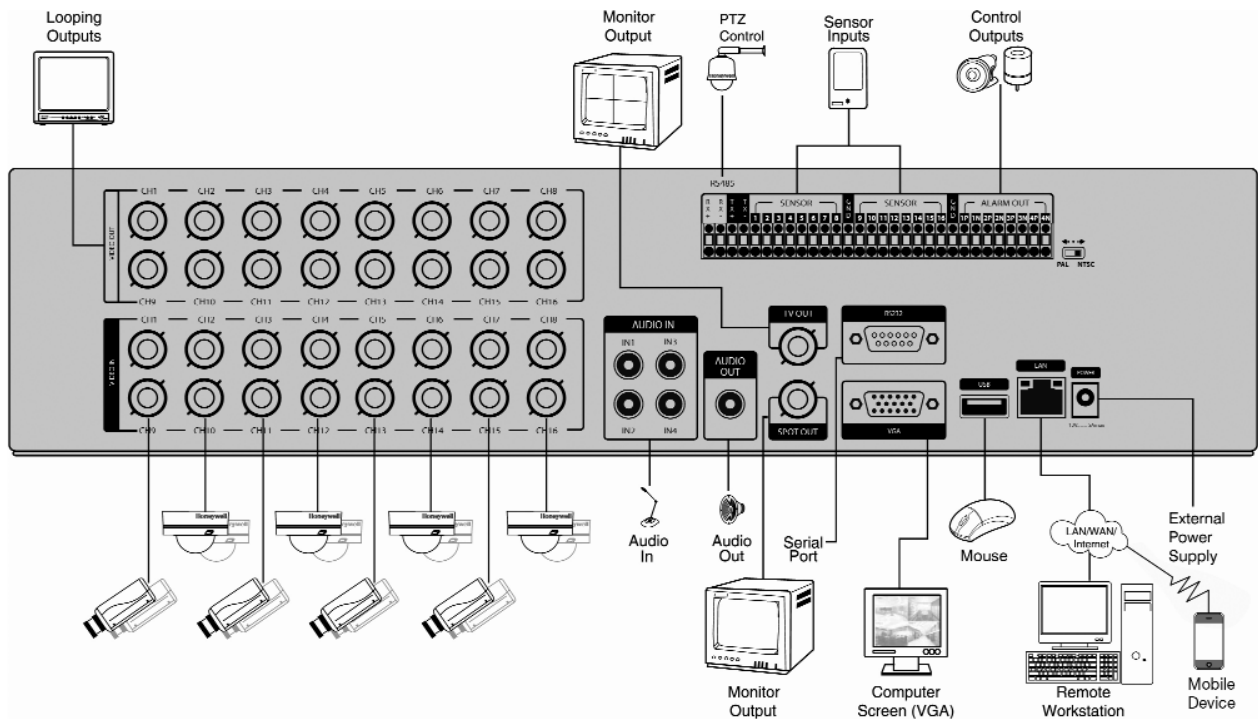
Connections	
Video Input	16 (Looping), BNC 1 Vp-p @ 75 Ohms, Auto Terminating
Video Output	MAIN-OUT (BNC & VGA) and SPOT-OUT (BNC)
Audio Input/Output	4 CH RCA Audio in / 1 CH RCA Audio out
Sensor Inputs General Purpose	16 sensor inputs (NO/NC selectable)
Control Outputs	4 Control/Relay Outputs
Serial Ports	1 - RS232, 2 - USB (2.0), 1 - RS485
Internal Storage	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)	15.75" x 3.5" x 15.75" (400 mm x 88 mm x 400 mm)
Weight	Unit: 16 lbs (7.2kg) Shipping: 24 lbs (10.9 kg)
Construction	Housing: Steel chassis Finish: Black matte paint
Environmental	
Temperature	Operating: 0°C to 40°C (32°F to 104°F) Storage: 0°C to 40°C (32°F to 104°F)
Relative Humidity	0% - 90%, non-condensing
Regulatory	
Safety	IEC 60950-1:2005 2nd Edition + EN60950-1:2006 + A11:2009
Emissions	EN 55022:2006 + A1:2007 Class B, FCC Part 15, Subpart B, Class B
Immunity	EN 50130-4:1995+A1:1998+A2:2003

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### SYSTEM DRAWING

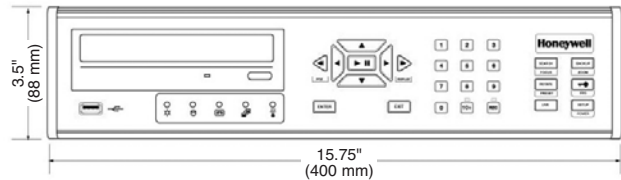


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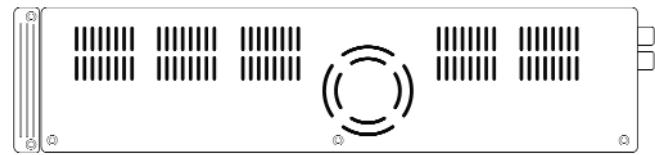
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## ACCESSORIES AND ORDERING

Recommended Accessories	
<b>HRDPX DVR</b>	
HRDPRC	Spare IR remote control
HRDPRMKT	Spare 19-inch rack mount kit
<b>Monitors</b>	
HMLCD19L	19" L-Series color LCD monitor (VGA)
HMLCD17L	17" L-Series color LCD monitor (VGA)
<b>Cameras</b>	
HB73	IR bullet, super high resolution True Day/Night
HD73	Mini-dome, super high resolution True Day/Night
HD3CHS	Mini-dome, super high resolution Day/Night
ACUIX™	High-performance PTZ camera
<b>Surge Protection</b>	
HCSP1	Camera surge protector
HDSP1	PTZ dome surge protector



Front View



Side View

### Ordering

**HRDPX16 D 1T0 X**

**Signal Format**

X PAL  
NTSC

**Storage**

4T0 = 4 TB Fixed HDD  
2T0 = 2 TB  
1T0 = 1 TB

**DVD-RW**

D = Internal DVD-RW drive

**Model**

HRDPX16 16 channel DVR

### Automation and Control Solutions

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