HRDV16/8

Ordering

HRDV 16 C 80 X

Video Standard
- X   PAL
-     NTSC

Storage Options
- 80   80   GB HDD
- 120   120 GB HDD
- 250   250 GB HDD
- 500   500 GB HDD
- 800   800 GB HDD
- 1200   1200 GB HDD
- 1600   1600 GB HDD - *Available only in Fixed*

Hard Drive Type
- C   CDRW
- F   Fixed
- R   Removable

Channels
- 8   8   Channels
- 16   16 Channels

Model
- HRDV   Duplex Digital Recorder

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

Honeywell

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DIGITAL VIDEO RECORDER WITH 16 OR 8 VIDEO CHANNELS

The HRDV is a complete integrated digital video management system combining a digital recorder, multiplexer, text inserter, video motion detector and remote video transmission system. With features like simultaneous time-lapse and event recording, jog shuttle, and front panel controls, the HRDV is as easy to operate as a VCR, yet provides secure, high resolution video and audio. Video is stored on up to 1.6 Terabyte internal hard drives for safe-keeping. CD-RW and removable hard drive options allow for easy evidence video retrieval and preservation. Standard operation allows for reviewing live or recorded video without stopping recording.

Respond quickly to critical events with the instant video playback feature and the simultaneous multi-screen viewing and spot monitor video output. Camera homing upon alarm condition automatically switches the monitor output to the right camera where the alarm was triggered. Automated system reports make locating desired motion, text, and event fast and easy. Flexible access options allow for local access through the front panel controls or remotely using Remote Access Software (RAS). Three simultaneous RAS users can access the HRDV to remotely view live or recorded video, control Pan, Tilt, Zoom (PTZ) Domes, change system configuration, or update HRDV firmware without a site visit. RAS supports live audio and audio playback after event download and either a dial-up or network connection. RAS installs on Windows® based PCs in just minutes. An automatic site polling mechanism verifies site operational status.

HRDV16

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Market Opportunities

HRDV mission critical operation is ideal for, but not limited to, installations in the financial and retail service industries such as banks, and retail stores. Additional applications include gas stations, convenience stores, and virtually any situation where mission critical video recording is a must. Point of Sale and ATM Text insertion are also key markets. The HRDV provides easy evidence locating, reviewing and evidence CD burning from the front panel as well as remotely via the network for evidence archiving. The HRDV is a technologically advanced, easy to install, and cost-effective digital video solution.

Features

- 8 and 16 Channel models supports up to 1.6 TB
- HRDV16; Record speed of up to 60 ips (NTSC) 50 ips (PAL) - HRDV8; Record speed of up to 60 ips (NTSC) 50 ips (PAL)
- Remote Management via LAN/WAN, DSL or PSTN using Remote Access Software (RAS)
- Event reporting and multi-zone motion detection
- Point of Sale /ATM text monitoring
- Email Alert, automatic alarm notification over TCP/IP networks
- QNX real time OS for reliable 24/7 operation
- Verify original picture integrity with image authentication process

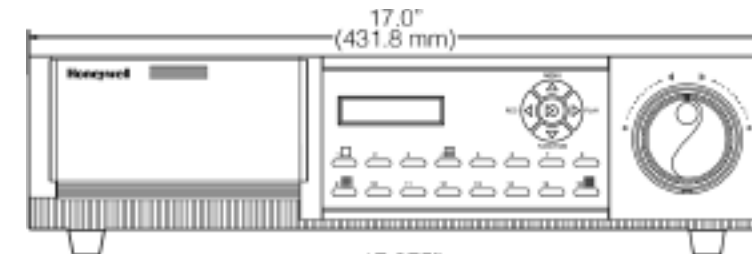# HRDV16/8

SPECIFICATIONS

Video	
Input	16 or 8 channel NTSC/PAL 1.0 Vp-p, 75 Ohms, BNC
Output	16 or 8 looping inputs NTSC/PAL 1.0 Vp-p, 75 Ohms, BNC

Monitor Outputs	
Main Composite Output	1 Output BNC 1 Vp-p, 75 Ohms, multi-screen capable
Spot Composite Output	1 Output BNC, 1 Vp-p, 75 Ohms, switched video
Main S-Video Output	1 Output Y/C, 1 Vp-p, 75 Ohms, multi-screen capable

Audio	
Input	1 Line input RCA
Output	1 Line output RCA

Alarm	
Input	16 Inputs NO/NC contact HRDV16 8 Inputs NO/NC contact HRDV8
Output	4 Outputs contact closure
Operating System	Real time operating system, QNX, stored in Flash memory

Display	
Video Signal Resolution	NTSC 720 x 486 PAL 720 x 576

Recording	
Compression Algorithm	Wavelet
Video Signal Resolution	NTSC 720 x 486 PAL 720 x 576
Recording ips Global	60 ips NTSC, 50 ips PAL HRDV16 30 ips NTSC, 25 ips PAL HRDV8
Recording ips Individual Camera	NTSC 0.5 ips to 30 ips PAL 0.5 ips to 25 ips
Still Image Capture	NTSC 720 x 486 JPEG or BMP PAL 720 x 576 JPEG or BMP

Recording Triggered By	
Motion Detection	Full or partial area setup up, direction, sensitivity, area size
Alarm Input	NO/NC
Text Data Input	Any text string or configurable specific text strings
Continuous	Always recording

Multitask	
RAS/Local Viewer	Simultaneous recording, while playback or viewing live Scalable Viewer to allow viewing while performing additional tasks (e-mail)

Language Support	
Local Unit	English, French, Spanish, Dutch, Italian, Portuguese
Remote Access Software	English, French, Spanish, Dutch, Portuguese

Control Unit	
Local	Front panel control
Network	Using Remote Access Software (RAS)

Network Connectivity	
LAN	Optional – 10/100 Base T Ethernet, LAN, PCMCIA card
Modem	Optional – V.90/92 Modem PCMCIA card
Functions	Configuration, live view, search, PTZ, image save, audio, POS text

Operating System	
Compatibility	Microsoft® Windows® 98 second ed. Windows NT - Service Pack 6 / higher Windows 2000 - Service Pack 2 / higher Windows XP Professional

HDD Storage	
Internal Hard Drives	Up to 4 IDE, up to 1.6 TB total storage
Video Backup Media	CDR/W – 1 IDE or SCSI Removable Hard Drive – 1 IDE or SCSI
Video Format	Wavelet
Still Image	BMP or JPEG
Image Authentication	Proprietary Encrypted Authenticode

Electrical	
Input Power	115 VAC 50/60 Hz, 230 VAC 50/60 Hz
Power Consumption	Nominal 90 W, (800 mA @ 115 VAC)

Connectors	
Composite Video In	BNC 16 for HRDV16, 8 for HRDV8
Composite Video Out	BNC 16 looping for HRDV16, 8 looping for HRDV8
Monitor Composite Video Out	1 BNC Main, 1 S-Video Main, 1 BNC Spot
Audio In	1 Line input RCA
Audio Out	1 Line output RCA
D25 Male (COMM)	1 RS-232-C port, 4 RS-232-C text insertion ports, 1 RS-485 port
D25 Female (ALARM)	16 Alarm inputs, NO/NC for HRDV16 8 Alarm inputs, NO/NC for HRDV8 4 Alarm outputs contact closure
SCSI 2	Standard 68-pin, type 2 connector
PCMCIA	Used for Ethernet LAN card or V.90/92 Modem card

Environmental	
Dimensions (W x H x D)	17" x 4.6" x 17.375" (431.8 mm x 116.8 mm x 441.3 mm)
Weight	17 lb (7.71 kg)
Operating Temp	40°F to 100°F (4°C to 37°C)

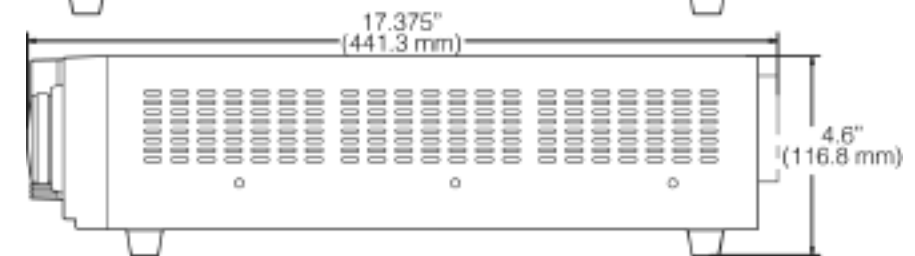| Regulatory	
Approvals	FCC, Œ, UL

HRDV16/8

SYSTEM DIMENSIONS AND DIAGRAM 16 CHANNEL DIGITAL VIDEO RECORDER

Front View

Side View

Back View