

## HRHD4, HRHD9, HRHD16

### DIGITAL MULTIPLEX RECORDER

The new range of Honeywell digital multiplex recorders, represent an integrated multiplexer and digital recorder solution for all multiple camera CCTV system applications. All models deliver crystal clear images without the smearing, jitter and tearing often associated with analogue VCRs. Camera images are digitised, compressed and recorded onto the internal hard disk drive. Advanced image processing and compression techniques allow very high resolution images to be compressed into small file sizes, requiring less disk space than comparable systems.

Recording is further enhanced by programmable video motion detection, which can adjust the recording pattern to capture more images from cameras when motion is sensed. With advanced digital technology, the HRHD range can record up to 50 images per second in duplex mode. Digitally recorded video can be instantaneously accessed and viewed, while still recording. The HRHD can also be set-up for event or time-lapse recording.

The comprehensive search functions allow recorded images to be reviewed in a number of ways including calendar search, alarm search, motion search and video loss search, making accessing the correct data quick and easy. Controlled by an intuitive GUI (Graphical User Interface), the HRHD can be accessed via the front panel or via the HJZTPX keyboard. Live or recorded video can also be accessed via the Ethernet or modem.

Video can be archived on to external hard disk drives using the SCSI port, or one of the two USB ports can be used to copy video clips to an external CD-RW drive, hard disk drive or Flash drives. The proprietary encryption scheme used offers the highest security available to avoid video images being altered.

#### Features

- 4, 9 and 16 channel options
- Multiple search engines (Date/Time, Calendar, Event)
- Records up to 50 images per second
- Continuous recording in Disk Overwrite mode
- SCSI interface for additional RAID storage or for external video archiving of video stored internally
- Video clip copy to USB hard disk drive, internal CD-RW drive or Flash drive
- User-friendly Honeywell GUI menu system
- Audio recording and playback
- Live or recorded video access via Ethernet or modem
- RS232/RS485 ports to communicate with external devices such as modems, remote controls and dome cameras
- Internal CD-RW drive
- Spot monitor output
- Covert camera mode
- Option – HJZTPX systems keyboard



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## SPECIFICATIONS

Technical Specification:	
Signal format	PAL or NTSC (Selectable with switch)
Video input	Composite 4,9 or 16 looping inputs, 1Vp-p, Auto-terminating, 75 Ohms
Video output	Composite: One, 1Vp-p, 75 Ohm SVHS: One Spot: 1 BNC
Display resolution	720x576 (PAL), 720x480 (NTSC)
Recording resolution	Standard res: 336x272 (PAL) 336x224 (NTSC) High res: 672x272 (PAL) 672x224 (NTSC)
Recording speed	Full duplex Standard res: 50ips (PAL) 60ips (NTSC) High res: 25ips (PAL) 30ips (NTSC)
Playback speed	25ips (PAL) 30ips (NTSC)
Audio onput	1 line in
Audio output	1 line out
Ethernet	10/100Mbps Ethernet (RJ-45)
PTZ control	RS-485 Serial port 1
External modem	RS-232C 1 port for external modem
Alarm input	4, 9 or 16 TTL, programmable as NC/NO
Alarm output	4 TTL open
Alarm reset input	1
USB port	2x USB (1x front panel, 1x rear panel)
Operating system	Linux
OS firmware	OS in flash memory
Panic record key	Yes
Primary storage	EIDE hard disk drive (up to 2) from 80GB up to 500GB
Clip copy storage	Built-in internal CD-RW driver or via USB HDD/memory stick
External extension storage	External archiving SCSI HDD (RAID)
Dimensions (WxHxD)	420 x 88 x 402mm
Operating temperature	5°C - 40°C (41°F - 104°F)
Operating humidity	0% - 90%
Power	100 to 240 VAC, 1/2A, 60/50Hz
Input voltage	24VDC, 6.3A adapter
Power consumption	Max 90W
Approval	FCC, CC, CE, CB, UL

## RAS Software Features

- Remote Administration System (RAS) software consists of:  
RAS Admin: main administration programme  
RAS Watch: remote surveillance programme  
RAS Search: remote search programme
- Controls system management, video monitoring and image playback of remotely connected HRHDs
- Checking and reporting on the DVR status at a remote site
- Notification of event detection from remote sites
- Remote monitoring of live camera images
- Searching timelapse and event recorded images
- Remotely upgrading the software and programming the system
- Bandwidth limiter to restrict network bandwidth useage
- Covert camera mode from RAS
- Control of domes/PTZ from RAS

## Minimum PC System Requirements

- Operating system: Microsoft® Windows®98, ME, 2000, XP
- CPU: Intel Pentium II (Celeron) 266MHz or higher
- RAM: 64MB or higher  
VGA: AGP, Video RAM 8MB or higher (1024x768, 24bpp or higher)

## Option

- System Keyboard - HJZTPX

## Honeywell Security

### Honeywell Video Systems

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