HRHD410

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HRHD410X

The new Honeywell HRHD410X digital multiplex recorder, represents an integrated multiplexer and digital recorder solution for multiple camera CCTV system applications. The HRHD410X delivers crystal clear images without the smearing, jitter and tearing often associated with analogue VCR's.
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 HRHD410X can record up to 50 images per second in duplex mode, and 100 images per second in simplex mode. Digitally recorded video can be instantaneously accessed and viewed, while still recording (in duplex mode). The unit 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 HRHD410X can be accessed via the front panel or via the HKJDXTP-EU keyboard.
Live or recorded video can also be accessed via the Ethernet or modem to the built-in CDRW, and one of the two USB ports can be used to copy video clips to an external USB, hard disk drive or USB memory stick. The proprietary encryption scheme used offers the highest security available to avoid video images being altered.

Features

- 4 channel hard disk recorder
- 4 channel audio recording and playback
- Multiple search engines (Date/Time, Calendar, Event)
- Records up to 100 images per second
- Continuous recording in Disk Overwrite mode
- Various record modes (Time, Event, Pre-event and panic)
- Image archiving to the built-in CDRW, USB hard disk drive, USB memory stick
- User-friendly Honeywell GUI menu system
- 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
  Option - HKJDXTP-EU systems keyboard

Datasheet

Technical Specification

Signal format	PAL or NTSC (Selectable with switch)
Video Input	Composite 4 looping inputs, 1Vp-p, Auto-terminating, 75 Ohms
Video Output	Composite: One (BNC), 1Vp-p, 75 Ohm SVHS: One (Y/C)
Display resolution	720x576 (PAL), 720x480 (NTSC)
Recording resolution	336x272 or 672x272 (PAL), 336x224 or 672x224 (NTSC)
Recording speed/ Playback	Standard resolution: 100ips (PAL) / 120ips (NTSC) High resolution: 50ips (PAL) / 60ips (NTSC)
Codec	ML-JPEG
Image file size	8KB (range 2KB = low quality, 14KB = very high quality)
Audio input	4 lines 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 TTL, programmable as NC/NO, 4.3V threshold
Alarm output	4 TTL open
Alarm reset input	1 TTL, terminal block
USB port	USB port on front panel
Panic record key	Yes
Primary storage	EIDE hard disk drive (up to 3) from 80GB up to 750GB
Clip copy storage	Built-in internal CD-RW driver, USB HDD or USB CD-RW drive
Dimensions (WxHxD)	430 x 88 x 355mm
Weight	8kg
Operating temperature	5°C ~ 40°C (41°F ~ 104°F)
Operating humidity	0% ~ 90%
Power	100 to 240 VAC, 2A, 60/50Hz
Input voltage	24VDC, 6.3A adapter
Power consumption	Max 90W
Approval	FCC, 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 usage
- 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 - HKJDXTP-EU

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