

# HR960

## HIGH-DENSITY VIDEO CASSETTE RECORDER

### Razor-Sharp Imaging

The HR960 is a high-density video cassette recorder with time-lapse and time lapse recording capabilities offering crisp, smooth and noiseless playback that satisfies the demands of surveillance security. Accurate recording is achieved through 300 lines of color resolution and 350 lines of black and white. The brightly lit LCD display and LEDs indicate recording, alarm and timer schedule modes. On-Screen Display makes programming simple with a touch of a button.

### 960 Hours of Recording

Our most versatile VCR, the HR960 offers multiple recording modes to handle most security applications – 168-hour time-lapse mode for weekly recording – 24 hours of virtual time lapse recording for daily tape changes – 8 hours of time lapse recording using T-160 VHS tapes. The HR960 will record up to 1288 hours on a T-160 tape for circumstances requiring extended recording times. The HR960 can be programmed for specific time periods on a weekly or daily schedule and set up to activate in alarm conditions. Alarm alerts can be customized and programmed for display on the HR960's front panel display, monitor output and audio output. Alarm recording can occur at sixty fields/second for optimum video quality.

### Market Opportunities

The HR960 is a full featured, extremely versatile time-lapse recorder designed for simple theft prevention applications to full-scale industrial integrated surveillance systems. Its user-friendly on-screen menus allow for simplified setup, advanced time and date search in either direction for specific events, time recording and alarm recording. With extended capabilities such as field-by-field tape analysis, multiple playback speeds yielding increased information and alarm index indication, the HR960 is a multi-functional, cost-effective component that will upgrade your security system.

### Features

- Up to 960 Hours of Time Lapse Recording
- Real Time Recording and Playback
  - > 20 fields/sec at L18H Mode
- On Screen Programming
- Jog and Shuttle Play
- Automatic Head Cleaning
- Self Diagnostics
- Alarm Recording, Alarm Search, Alarm Recall
- Flexible Timer Recording: 8 Programs
- 1-Shot Recording
- Series and Repeat Recording
- Power Fail Recall and Compensation
- On Screen Field Counter

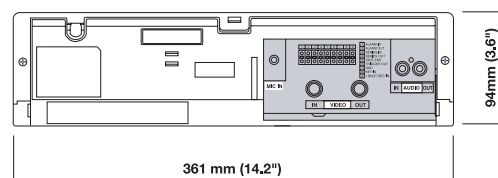
HR960



# HR960

<b>Operational</b>	
Tape Format	Standard 1/2 inch VHS
Video Standard	NTSC
Video Recording System	Double Azimuth Helical Scanning System
Video Head Configuration	4 Rotary Heads
<b>Tape Transport</b>	
Rewind/FFSpeed	less than 220 seconds (with T-120 VHS tape)
Head Cleaning	Automatic
AutoDiagnostics	Loading, Capstan, Drum and Reel error messages
<b>Video System</b>	
Real Time Mode (60 fields/sec)	6-hour with T-120 VHS tape (8-hour with T-160)
Virtual time lapse Mode (20 fields/sec)	18-hour with T-120 VHS tape (24-hour with T-160)
Time Lapse Mode	30, 54, 78, 126, 174, 246, 486, 966- hour with T-120 VHS tape (40, 72, 104, 168, 232, 328, 648, 1288-hour with T-160)
Horizontal Resolution	350 lines (b&w), 300 lines (color)
Luminance Signal	Frequency modulation recording
Color Signal	Color Subcarrier, Phase Shift Recording
S/N Ratio (A8 - hourmode)	>43dB
Video Input/Output (BNC)	1.0Vp-p, 75ohms, BNC jack
<b>Audio System</b>	
Record/Playback Time Modes	A6, A18 A30
Audio Track	single track, mono
Frequency Response (A8 - hourmode)	100Hz~7kHz
S/N Ratio (A8 - hourmode)	42dB
Line Input	-8dBm, 47kohms, RCA Pin jack
Microphone Input	-67dbs, 600ohms, 3.5mm mini-mic jack
Audio Output	-6dBm, 1kohm, RCA Pin jack
<b>Alarm Handling</b>	
Alarm Record Modes	L6, L18, L30
Alarm Record Duration	1, 3, 5 minutes or Tape end
<b>Timer</b>	
Timer Recording	10 Programs
Record Speed	Programmable
<b>Electrical</b>	
Input Voltage	120VAC (+10%/-15%), 50/60 Hz
Power Consumption	17 watts
<b>Mechanical</b>	
Dimensions (HxWxD)	94x360x270 mm (3.6x14.2x10.6 inches)
Weight	approx. 3.5kg or 7.8lbs
Shipping Weight	approx. 4.6kg or 10.2lbs
<b>Environmental</b>	
Operating Temperature	41 deg. F - 104 deg. F (5 C - 40 C)
Humidity	80% max.
Storage Temperature	-4 deg. F - 140 deg. F (-20 C - 60 C)
<b>Regulatory</b>	
Emissions	FCC:47 CFR Part 15, Subpart B
Immunity	CE: EN50130-4
Safety	CUL & UL2044
<b>Ordering</b>	
HR960	HR960 high-density VCR – maximum time lapse recording 960 hours

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



## Honeywell Security

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