

HTRD100 Series

www.honeywellvideo.com

MOBILE DIGITAL DATA RECORDER

The HTRD100 Series is a mobile digital video recorder that offers superior picture quality, clearer audio, and longer recording time with little or no maintenance in a single, compact digital recorder. The HTRD100 Series offers the ease and convenience of a VCR and the leading-edge features of a digital recorder.

The HTRD100 Series continues to protect passengers and drivers using quality video surveillance systems. The HTRD100 Series is an industrial grade digital recorder that features a built-in switcher housed in a tamper and impact resistant enclosure with a patented shock and vibration reduction mounted hard drive, which is the preferred base for an effective video system.

Market Opportunities

With the video industry transitioning from analog to digital, the HTRD100 Series provides the opportunity to take advantage of the benefits of both analog and digital technologies. For companies seeking to explore the new digital video environment or migrating from analog to digital, the HTRD100 Series provides easy-to-use recording options available for vehicles that need cameras offering removable hard drives and ample storage. The HTRD100 Series is a drop in upgrade for companies already using the HTR62, SWS210, SWS310 and SWS410 VCR system.

The HTRD100 Series also offers multiple camera options, such as the Stop Arm System, GPS, etc. for building the perfect system.

Features

- Removable hard drive with patented shock and vibration reduction mounting
- Clearer, sharper pictures than a VCR
- Five status inputs with on-screen display including a built-in second camera switch
- Drop in upgrade for HTR62, SWS210, SWS310 and SWS410 VCR system
- Optional GPS module records position, direction and speed
- Supports up to 80 GB hard drive
- Analog and digital playback
- Optional Stop Arm System allows recording of school bus stop arm violations
- No computer needed for set-up – similar functionality to a VCR
- High accuracy clock with Automatic Daylight Saving Time adjustment
- Activates with ignition/option for post recording even after the ignition has been turned off



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SPECIFICATIONS

Operational	
Video Standard	NTSC
Recording and Transmission Compression Algorithm	Wavelet
Record Mode	Single pass, loop and timer
Recording Rate (IPS)	User selectable up to 60 fields per second aggregate
Recording Resolution	More than 500 TV lines
Record Mode	Single pass, loop and timer
Video Quality Settings	User selectable 10:1 to 50:1
Recording Capacity	40 GB, 60 GB or 80 GB
Primary Storage	Removable hard disk drive with patented shock and vibration reduction mounting
Delay Off	User selectable (0-60 minutes after ignition off)
Clock	Automatic Daylight Saving Time Adjustment
Timers	Five programmable daily timers
On Screen Display / Text Insertion	Date, Time, 1 line (16 alphanumeric characters), 5 status inputs, vehicle speed
Connections	
Trigger Status Inputs	Five inputs to switch recording from Camera 1 to Camera 2 and back, programmable as NC or NO
Interface	Male DB25 for power, status and triggers inputs
Video Input	Two RCA
Audio Input	One RCA
Video Output	One RCA
Audio Output	One RCA
Camera Power	Two power outputs
Serial Ports	One RS232 DB9 (Female) for optional GPS Receiver
Networking	PCMCIA slot with PCMCIA Ethernet card
Electrical	
Input Voltage	12 VDC negative ground
Operating Voltage Range	10 to 16 VDC
Power Consumption	18 W at 12 VDC peak max

Mechanical	
Dimensions (W x H x D)	7.7" x 4.0" x 10.3" (196 mm x 102 mm x 263 mm)
Weight	4.45 lb (2 kg) incl. hard drive
Construction	Housing: Aluminum steel chassis Front Panel: Polycarbonate Finish: Black matte paint
Environmental	
Temperature	Recording: 41°F to 113°F (5°C to 45°C) Standby: -40°F to 140°F (-40°C to 60°C)
Relative Humidity	0% - 90%, non-condensing
Regulatory	
Emissions	FCC: Part 15, Class B CE: EN 55013 EN 55022
Immunity	CE: EN 50130-4
Safety	EU: 73/23/EEC LVD
Patent	
Patent	Hard disk drive shock and vibration reduction isolation system U.S. Patent No. 7,079,380
HTRD100 Accessories	
HTRD1GPS	GPS Receiver
Recommended Accessories	
HTRD1RFK	Retrofit install kit to convert HTR62 to HTRD100 installation
HTRD1NIK	New Install Kit
HTRD1LRK	Lock set and keys
HTENCL	Security Enclosure – Lock Box
Removable Hard Drives**	
HTRD1HD40	40 GB hard drive for HTRD100
HTRD1HD60	60 GB hard drive for HTRD100
HTRD1HD80	80 GB hard drive for HTRD100
Compatible Cameras*	
HTC70 Series	Mobile Camera Day/Night with 8 IR Illuminators
HTC29 Series	Mobile Dome Camera, Black and White and Color with Fixed Lens
Software	
HTRD1DPK	Administration kit includes software and cable
HTRD1APK	Player kit for desktop review

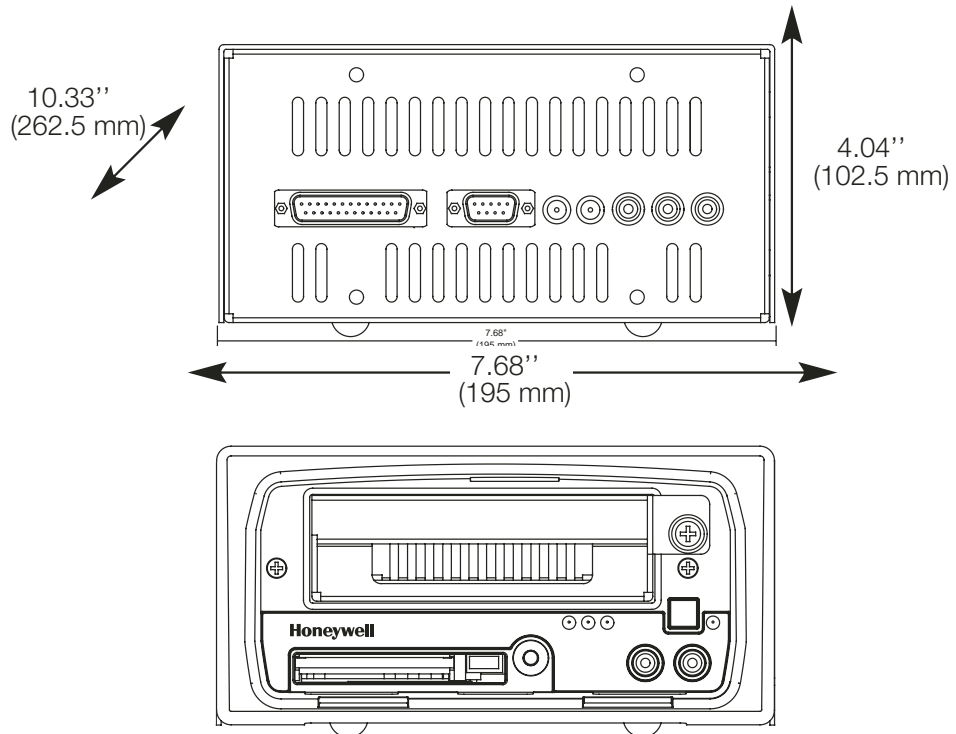
*Required part for a system.

**Units are ordered without hard drives.

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Ordering	
HTRD100	Mobile Digital Recorder

Units are ordered without hard drives. See Removable Hard Drives for ordering information.

HTRD100 Series recorders are also available in kits. Each kit includes a recorder, camera, cables and mounting hardware necessary to install a camera system. Some kits include a lock box. Software is not included in the kits and must be ordered separately. For additional information regarding kits, visit <http://www.honeywellvideo.com/products/mobile/ac/index.html>.

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

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