

HTRD400

MOBILE DIGITAL DATA RECORDER

The HTRD400 Series digital data recorder captures sharp, crisp images and clear audio, including video and audio on 4 channels, which is superior to conventional VCRs. The HTRD400 offers longer recording times with increased picture quality and is capable of connecting up to four HTCD Series digital cameras to monitor all areas of the vehicle.

The HTRD400 Series all-digital data recorder collects more detailed information and transfers data fast and reliably. It stores superior picture quality, clear audio and longer recording times on a high capacity hard drive with a patented shock and vibration reduction design. The HTRD400 Series is a single, compact digital recorder that offers greater capabilities with reduced maintenance requirements.

The HTRD400 Series utilizes all-digital progressive scan cameras to capture superior picture quality over analog cameras. It also has power over Ethernet to simplify installation of cameras by a single cable for power and signal.

Market Opportunities

With the option to download digital video images wirelessly, the HTRD400 Series takes mobile video surveillance to the next level. From school buses to sanitation trucks, the HTRD400 Series is ideal for organizations managing small to large fleets of vehicles. The HTRD400 Series digital data recorder makes the gathering, analyzing and storage of video data an efficient process. As an industry-leading solution that is totally digital, the HTRD400 Series records large volumes of video data – whether inside or outside of the vehicle – that can be easily downloaded for analysis and storage. The HTRD400 is a comprehensive digital data recorder designed to offer multi-functional capabilities for the mobile market.

Features

- Supports up to 80 GB hard drive
- Supported by progressive scan cameras for sharp images
- Wireless LAN/WAN access
- Open architecture for external data gathering (e.g., access control, engine data, etc).
- Images record with vehicle ID, time and date, camera name, and up to 8 status inputs
- Alarm mode starts recording to record vandalism
- Runs on embedded OS for reliable, long term, unattended operation
- Patented hard disk drive shock and vibration reduction system
- User-friendly software to quickly find, print, distribute and archive video and audio files
- Store from a single or a clip of audio and video to a PC-based hard drive or peripheral storage device. Play video as a self-contained executable on any PC
- Search by date and time and build advanced searches
- Easy to configure
- Activates with ignition/option for post recording (up to several hours) even after the ignition has been turned off



SPECIFICATIONS

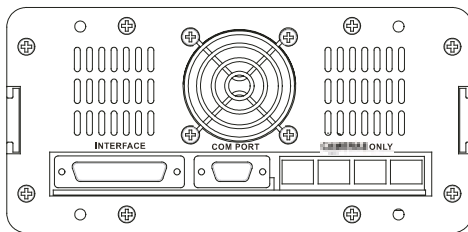
Operational	
Video Format	VGA
Recording and Transmission Compression Algorithm	M-JPEG
Record Mode	Single pass, loop, time and triggers
Recording Rate	Up to 40 frames per second aggregate
Recording Resolution	VGA (640 x 480) QVGA (350 x 240)
Video Quality Settings	User selectable (Best, Better, Good, Extended)
Recording Capacity	40 GB, 60 GB or 80 GB
Primary Storage	Hard disk drive with patented shock and vibration reduction mounting
Delay Off	User selectable (0-255 minutes)
Clock	Automatic Daylight Saving Time Adjustment
Calendar	Automatic Leap Year Adjustment
Record Rules	Up to 9 record rules based on trigger status and date/time
On Screen Display / Text Insertion	Date, Time, Title, Status inputs, Camera name
Connections	
Trigger Status Inputs	Up to eight configurable alarm inputs with rule based event recording
Interface	Male DB25 for power, status, and trigger inputs
Video/Audio Input	Four RJ45 connections for HTCD50/52 cameras
Serial Ports	One RS232 DB9 (female) for future applications
Networking	One RJ45 10/100 base T Ethernet for PC
Electrical	
Input Voltage	12 VDC negative ground
Operating Voltage Range	10 to 18 VDC
Power Consumption	29 W max
Protection	Reverse battery, short circuit, over/under voltage

Mechanical	
Dimensions (W x H x D)	7.48" x 3.6" x 9.24" (190 mm x 92 mm x 235 mm)
Weight	Unit: 4.85 lb (2.2 kg)
Construction	Anodized Aluminum
Environmental	
Temperature	Recording: 41°F to 131°F (5°C to 55°C) Standby: -40°F to 150°F (-40°C to 65°C)
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 isolation system U.S. Patent No. 7,079,380
Accessories	
HTRD400 Cable*	
HTRD4IF20	HTRD400 vehicle interface cable 20 feet
HTRD4IF60	HTRD400 vehicle interface cable 60 feet
HTRD400 Mounting Hardware*	
HTRD4NIK	Hardware installation kit for HTRD400 Series recorder without HTENCL – brackets and wire cage
HTRD4RFK	Hardware to install HTRD400 inside security enclosure HTENCL
Software*	
HTRD4DPK	Administration kit includes software and cable
HTRD4SWK	Software
Compatible Cameras*	
HTCD50 Series	Mobile Digital Camera Single Window, Low Profile with Microphone
HTCD52 Series	Mobile Digital Camera Dual Window, Low Profile with Microphone
Recommended Accessories*	
HTENCL	Security Enclosure – Lock Box
HTRD4PS	AC Adapter for desktop hook up to HTRD400 recorder
HTRD4GPS	GPS Receiver

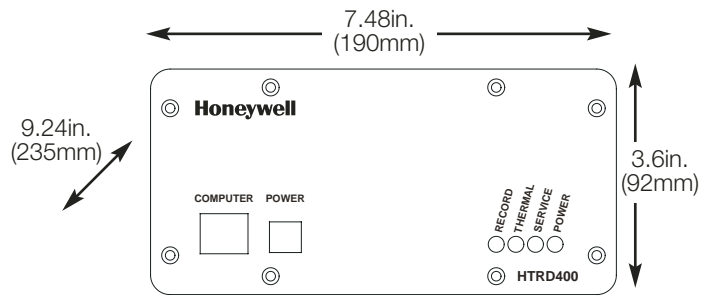
*Required part for a system.

HTRD400

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HTRD400 rear



HTRD400 front

HTRD400

MOBILE DIGITAL DATA RECORDER

Ordering

HTRD4 80

Hard drive options
40 40 GB 80 80 GB
60 60 GB

HTRD400 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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