

HTGPS Series

GLOBAL POSITIONING SYSTEM RECEIVER

The Global Positioning System (GPS) is a world-wide radio-navigation system formed from a constellation of 24 satellites and their ground stations. These man-made stars are used to calculate the position of objects, such as cars, trucks, busses, trains, planes and laptop computers with a GPS receiver.

The GPS receiver provides location in the form of latitude and longitude information, giving every square meter on the planet a unique address. This information plotted against a map can identify the exact location of the pick-up and drop-off points for transported students, passengers, goods and services.

When used with a Honeywell mobile video surveillance system, it allows video recording which identifies the time, date and location of stops, pick-ups and deliveries.

Installers will appreciate the ease of installation of the GPS system. No longer is it necessary to get accurate speed readings by connecting the speedometer to the transmission. Generally, all that is required for the installation is to plug the unit into the power and signal harness and thread the antenna wiring. The low profile GPS antenna is fixed to the roof of the vehicle by a powerful magnet built into the antenna base.

Market Opportunities

For transportation and transit professionals the GPS system offers an interesting value proposition and added benefits. For transportation professionals who perform route management, the GPS system provides the ability to review video in order to understand how long it takes to get from point A to point B. The GPS recorded data includes direction and vehicle travel speed, and when combined with video, it provides transportation professionals with an effective route planning tool.

Features

- Records position, speed, direction
- Ease of installation
- Compact magnetic mount antenna
- GPS receiver powered from recorder
- Compatible with:
 - HTRD400 Mobile Digital Data Recorder Series
 - HTRD100 Mobile Digital Video Recorder Series
 - HTR62 Mobile Video Cassette Recorder

The HTGPS Receiver is compatible with:



HTR62



HTRD100 Series



HTRD400 Series

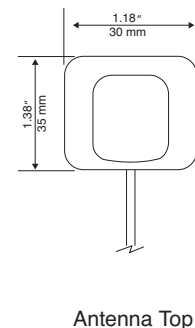
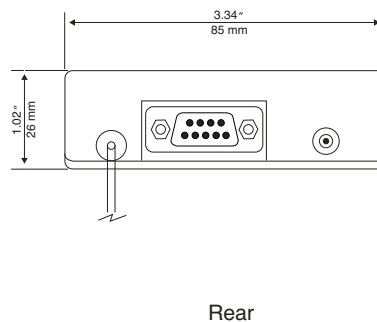
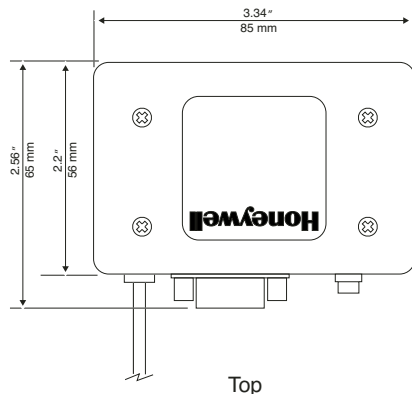
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www.honeywellvideo.com

SPECIFICATIONS

Operational	
Accuracy	Better than 19.7 ft. (6 m) (50%) CEP
Positional Data	Longitude, Latitude
Speed	MPH or KPH (user selectable)
Acceleration	4g, max.
Direction	8 compass points
Antenna	Magnetic mount, low profile
Altitude	<±35m Vertical in term of 95% (18,000 meters(60,000ft) max.)
Velocity	Better than 0.13 MPH (0.216 KPH)
Time	1 microsecond synchronized to GPS time
Acquisition Rate	Reacquisition: < 2 sec., avg. Warm Start: < 38 sec., avg. Cold Start: < 90 sec., avg.
Electrical	
Input Voltage	75 mA @ 12 VDC
Operating Voltage	10 to 16 VDC
Power Consumption	110 mW @ 3.3 V

Mechanical	
Dimensions (excluding cable and connectors)	See Line Drawing
Weight	0.325 lb (1.472 kg)
Connections:	DB9
Cable Length	16.4ft (5 m)
Environmental	
Temperature	Operating: -40°F to 185°F (-40°C to 85°C) Storage: -58°F to 203°F (-50°C to 95°C)
Relative Humidity	5% to 95%, non condensing
Compatible	
HTR62 System	Mobile Video Cassette Recorder
HTRD100 System	Mobile Digital Video Recorder Series
HTRD400 System	Mobile Digital Data Recorder Series



Ordering	
HTRGPS	GPS receiver for HTR62 Mobile VCR Video Recorder
HTRD1GPS	GPS receiver for HTRD100 Mobile Digital Video Recorder Series
HTRD4GPS	GPS receiver for HTRD400 Mobile Digital Video Recorder Series

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

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