

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

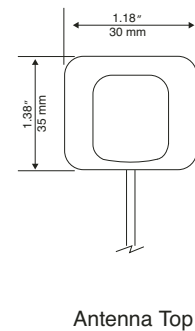
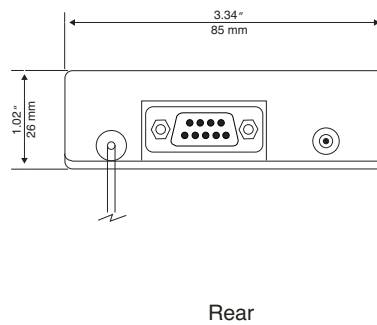
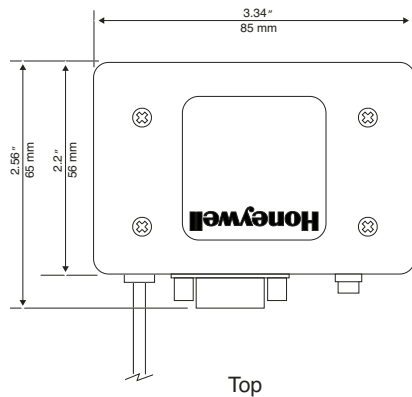
HTGPS Series

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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