



## GEOVISION OVERVIEW

### GeoVision

Police, homeland security, military and first responders can now link video images with real-time GPS location data.

GeoVision's On-Screen Display (OSD) technology captures and records GPS evidentiary data of the location of any event. This new technology was designed for military applications and is finally available for public and private sector use.

GeoVision overlays hardwired RS-232 or wireless Bluetooth GPS receiver data (including latitude, longitude, heading, speed, date and time and optional user defined message) onto any incoming video source or video camera.

In addition to overlaying data onto the video image, GeoVision can simultaneously convert the GPS NMEA data into a continuous audio stream that can be recorded to any audio track, including the stereo audio channels of video camcorders.

The remaining audio channel on the recorder can be used for voice annotation. The audio output track, when decoded by GeoVision, provides a synchronized GPS data stream for location tracking using most mapping software.

GeoVision's miniaturized module is highly configurable and flexible. It allows the user to select and position data fields, customize the format, enable the audio data track, and optionally capture auxiliary peripheral inputs (such as status of lights and sirens).

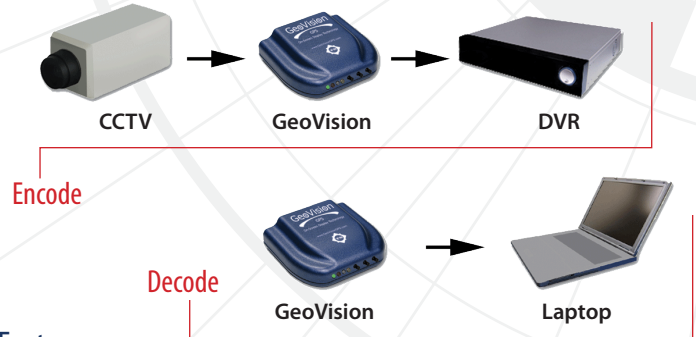
GeoVision includes Windows based controller software to configure all data fields. The utility uploads all setting via the RS-232 serial port to GeoVision's non-volatile memory. Customize GeoView's data to meet your exact operational needs.



Reference the exact location of any videotape recording with this highly intuitive unit.



© Copyright 2009 Transformational Security, LLC. All rights reserved. Specifications subject to change.



### Features

- Wired or Wireless Bluetooth-enabled Transmit/Receive device
- Detects and processes Garmin GPS 10 Bluetooth NMEA-0183 Data
- On-Screen Display (OSD) technology instantly embeds
- Latitude/Longitude, date, time, heading, speed, contact closure activity (3) & user message onto the video image
- FSK encodes the GPS data onto the right audio track of the recorder
- Simulates a wireless Bluetooth GPS device upon Decode/playback
- Mapping software automatically tracks and follows upon playback
- NMEA route data can be broadcasted to a Bluetooth enabled laptop
- Connects to hardwired GPS device or wireless Bluetooth GPS device
- Light weight, small footprint, easily concealed for OEM installations
- Battery operated - 24 hours on a single charge
- 12 VDC connector for permanent installations
- NTSC and PAL versions available

### Specifications

|                            |  |
|----------------------------|--|
| Dimensions                 | 4" x 3" x 1.3"   |
| Weight                     | 2.9 oz   |
| Input V                    | 8.0 to 14.0 volts DC (60 ma max.)  |
| Battery operation time     | 24 hours   |
| DC plug                    | 2.1 mm x 5.5 mm, center tip positive   |
| Operating temperature      | -10 C to +70 C   |
| Video level                | 1 volt peak to peak, 75 ohm  |
| GPS input/output           | NMEA 0183 GPRMC sentence, 9600 baud, 8 data bits, no parity, one stop bit<br>2nd GPGGA sentence for NAVTEC-based iNav products |
| Audio modulation           | FSK, -40.0 to -8.0 dBV   |
| Audio output level         | -10dB +/- 1dB  |
| Acceptable audio s/n ratio | 20.0 dB  |
| User custom message        | 10 character length  |
| Speed format               | MPH, KPH, and knots  |
| Format: compass            | (e.g. NW) or degrees   |
| Time format                | UTC with time zone adjustment  |