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DATA SHEET

Data Sheet

GeoVision—GPS On-Screen Display Module

GeoVision—GPS OSD Module
Geo-reference their every move!

The **GeoVision** module overlays GPS data (incl. Lat/ Long heading speed date / time) onto any incoming video source or video camera.

Ideal GPS location data capture tool for video surveillance, or on-board video recording. Reference the exact location of any videotape recording with this highly intuitive unit.

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.

GeoVision is the ideal GPS location capture tool for law enforcement, military, homeland security, transportation, surveillance, insurance, and field and survey workers. Police vehicles and surveillance platforms are ideal candidates for GeoVision as most already include a camera and recorder. GeoVision is the perfect combination of size and power, a miniaturized video throughput device that overlays position data onto any video signal. With GeoVision the video now contains valuable positional information that can be used with most off-the shelf mapping software or integrated with Hidden Technology's CP2 mapping and Control package.

The palm-sized device is battery operated and weighs less than three ounces. Instantly and reliably geo-reference any video feed, anywhere.

GeoVision 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

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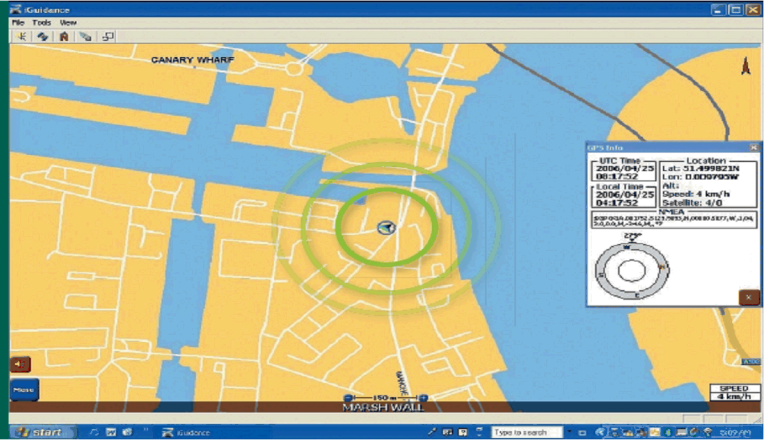

Data Sheet

GeoVision—GPS On-Screen Display Module

GeoVision—GPS OSD Module
Geo-reference their every move!

The **GeoVision** module 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 mapping software such as Hidden Technology's CP2 Mapping and Control software.

GeoVision's miniaturised module is highly configurable and flexible and allows the user to select and position data fields, customize the data 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 and control all system settings. The utility uploads all setting via the RS-232 serial port to GeoVision's non-volatile memory. You can customise on-screen displays to meet your exact operational needs.

Sayres and Associates Corp.

GeoVision 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
- 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; 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
- NTSC & PAL versions available

GeoVision is provided in association with Sayres and Associates Corp.

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