



## 4 Camera Vehicle Journey/Accident Recorder with GPS, Alarm Input, SD Card Recording and 3 Axis Shock Sensor (Model: ASL400GPS )



### **A powerful, compact and discreet 4 camera recorder for recording up to 4 cameras with audio.**

With a built in Shock Sensor for recording the impact force of an accident and the driving style (Acceleration, Braking, Steering) of a driver.

Plug In GPS receiver for recording vehicle location and speed

Wired remote control and emergency/panic button

Built in microphone for recording audio.

2 alarm inputs for event recordings and auto selection of cameras to full screen on a monitor.  
Alarm output for connection to additional devices and third party Telematics and tracking units.

Dual monitor output for connecting to monitors and displaying cameras individually or as a split screen image, and for playing back cameras.

The recorder is small enough to fit in a glove box and an optional locking case is also available to prevent unauthorised access.

SDHC compatible, up to 32GB (class 10). Advanced PC Analysis software included, Google Maps/Earth Integration.



Recorder - Front



Recorder- Side



Recorder - Back



Recorder - Location

## Features

**The ASL400GPS is a powerful and compact 4 camera recorder, designed using the highest quality components and advanced software algorithms, it offers advanced functionality and alarm inputs, output and compatibility with third party Telematics and tracking units.**

Utilising high quality components and advanced software algorithms, it offers many unique features, including:

### Recording:

- Adjustable recording rate from 1 fps to 30FPS
- Flexible recording modes:
  - Event - records whenever an incident/accident is detected by the unit's built in Shock Sensor (G-Sensor), when the emergency/panic button is pressed, and/or when an Alarm Input is activated
  - Protected Event - in this mode event recordings can be protected, preventing them from being overwritten even if the SD card is full and in overwrite mode
  - Continuous - records all the time and bookmarks the recording whenever the Shock Sensor detects an incident/accident
  - Parking - in addition to the above modes, the unit can be optionally set to record all the time when the vehicle is stationary for longer than 5 minutes or is parked up (the unit must be wired to a permanent power feed to record when vehicle is parked).
- Overwrite function for first in first out loop recording in 10 minute sections
- Pre and post incident/accident recording, so events leading up to and after an accident are not missed, even when not recording in continuous mode
- Records audio directly from the recorders built in microphone, from an optional external microphone, or from cameras with built in microphones
- Audio can be set to record only when the emergency/panic Button is pressed
- Password protected recordings, prevent unauthorised access of recordings and data on the SD card

### Live Viewing:

- An optional Monitor can be connected to the Recorder, this allows:
  - Live viewing of cameras, either individually or as a split screen
  - Automatic displaying of a reversing camera (optional) when reverse gear is selected
  - Automatic displaying of individual cameras when alarm inputs are triggered, for example when the indicators are used or a panic button is pressed.
  - Instant playback of recordings, without the need for a PC

### Playback & Analysis:

- Includes Assured Systems Analysis Software for Windows, allowing you to:
  - Playback Recordings
  - Search by Time/Date
  - Search by Vehicle Speed
  - Search by Driving Style
  - Search by Incident/Accident
  - Search by Alarm Input activation
  - Save JPEG Snapshots
  - Make AVI or MP4 backups
  - Accident Reporting Wizard for Insurance friendly accident reports with snapshots and speed/location data
  - Search Vehicle Tracking History by Time, Date, Speed and Driving Style



## Features

### Additional Features:

- GPS receiver by UBLOX, the worlds leading manufacturer of GPS receivers, ensures the highest accuracy for vehicle location and speed
- Full Google Maps, Google Earth and Google Street View integration
- Embedded 256 level Bosch G-Sensor for accurate reporting of G Force levels present in an incident/accident
- Records driving style, by continuously monitoring the effect of speed, acceleration, braking and steering on the vehicle
- 31 day vehicle tracking history, showing vehicle location, speed and driving style
- Built-in battery back up allows the unit to finish recording even if the power supply is interrupted during an incident/accident

### Remote Control:

- Supplied with a hard wired remote control which can be used to control the system when used with a monitor
- The remote control also has an emergency/panic button, this can be used to trigger recording of an incident/accident and send an instant notification via a Telematics or tracking unit if connected
- The remote control has a visual driving style indicator LED, which automatically illuminates when poor driving is detected

### Alarm Inputs & Outputs:

- 2 Alarm Inputs are provided on the recorder. These can be used for:
  - Vehicle Actions - By connecting the alarm inputs to the vehicles indicator lights and brake lights, it is possible to see when or if the driver indicated or used the brakes.
  - Other Devices - It is also possible to connect third party devices like taxi fare meters or panic buttons. So when recordings are played back it is possible to check if these were used or /triggerred recordings.
- An alarm output is provided. This is triggered whenever the unit detects an incident/accident via its shock sensor, when the Alarm Inputs are activated, or when the emergency/panic button is pressed. This output can be connected to external devices like an audible alarm, or to a Telematics or tracking unit, so that a real time notification of the incident/accident can besent instantly.

### Physical:

- The recorder is almost the same size as a packet of cigarettes and very lightweight and robust
- The recorder is small enough to hide in a glove box or lock in a boot. This keeps recordings and the cameras separate, increasing security, and keeping recordings safe, even if the cameras are tampered with or stolen.
- Additional mounting options for the recorder are available. Using the optional mounting bracket or Tamper resistant locking case

### Approvals:

- E-mark, EMC, CE and FCC approved.
- Data Protection Act compliant, court admissible recordings.

### Other Benefits:

- Designed in house by our experienced R&D team and manufactured in our own state of the art facilities, the **Assured ASL** product range is the most reliable on the market, with a failure rate of less than 0.2%
- No on-going subscription fees or other charges
- Connects directly to a Telematics or tracking unit for instant notification of incidents/accidents
- Automatic SD card format feature **ASL 400** automatically detects SD card failure, backs up the settings, formats the SD card, and reboots itself to begin recording again.

## What's in the box

- ASL400 recorder
- Power cable harness with alarm trigger wires
- GPS receiver
- Remote Control/Panic Button
- 3M foam adhesive, adhesive velcro, & adhesive cable clips
- Mic & G-Shock Sensor (built-in to SVC400 recorder)
- Wired Mic extension with 9' extension cable
- Video output cable for connecting LCD monitor
- 2.5mm stereo to RCA cable adaptors
- User Manual

## Specifications

Model: ASL400GPS	
Video In	CH1: 5V camera in, CH2: 5V camera in, CH3: 5V camera in, CH4- camera in (RCA)
Audio In	1CH (Internal / External Microphone)
A/V Out	1 Video out, 1 Audio out
Continuous record	NTSC: 720x480 (30fps) 720x240 (60fps)
Event record	PAL: 720x576 (25fps) 720x288 (50fps)
Recording time	Variable: 2hours ~ 356hours
Shutter record	Still Image + Audio (5 sec)
Main memory	SDHC (supports up to 32GB SDHC)
GPS	External GPS Module
G Sensor	Internal 3-Axis G-Sensor
Car Signal	Speed Pulse (VSS)
Alarm Inputs	2 (12V on/off. Door, Meter, etc.)
Alarm Output	1 (5V output during trigger events)
Compression	MPEG4 (Continues recording) MJPEG (Event recording)
Remote controller	PANIC button, PLAYBACK button, SHUTTER button
LED	2 (Red/Blue).
Analysis Software	PC Viewer (supports Google Maps/Earth)
Super Capacitor	Enable recording last file and safe shut down
Power consumption	8.3W (when recording 4cameras)
Size/Weight	70mm X 99 mm X 21mm, 100g

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660