



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 be sent 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 Event record	NTSC: 720x480 (30fps) 720x240 (60fps) 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.

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