

SVC1080 Product Overview



Why SmartWitness?

It's no secret that there is a national shortage of commercial drivers...but no shortage of risks and liability posed by the road and drivers, especially from false claims and accusations. Commercial drivers are often considered "guilty until proven innocent". SmartWitness helps assign guilt where it truly lies, while also providing tangible driving data to improve driving behaviors and reduce the frequency of all road events.

Problems Faced

- ✗ Cash for Crash or Insurance Fraud Incidents
- ✗ Exaggerated/False Whiplash & Injury Claims
- ✗ Lack of Witnesses or Conflicting Reports
- ✗ Poor Driver Behavior
- ✗ Lack of Security on Vehicle & Cargo
- ✗ Long & Tedious Claims Processes
- ▶ HD Video Footage Delivers Concrete Evidence
- ▶ Smart G-Sensor Provides Detailed Impact Data
- ▶ Real-Time Access to Video, Audio, & Driving Data
- ▶ Drive Reports on braking/accel, idle time, rpm, etc
- ▶ Multi-Camera Recording Inside/Outside Vehicle
- ▶ Accelerates Resolution of Insurance Claims

Benefits

- ✓ Mitigation of Whiplash/Personal Injury Claims
- ✓ Proven Reduction of Road Incidents
- ✓ Increased Fuel Economy
- ✓ Proven Reduction of At-Fault Claims
- ✓ Possible Insurance Premium Reductions

Features Overview



Full HD, Single Channel Drive Recorder

- 2M Pixel CMOS Image sensor
- Wide angle lens: 170°
- 1080P Full HD (1920 x1080) with 30FPS
- 2.4" LCD display
- Rechargeable Li-Po Battery (30 min)
- Built-in GPS. Google® Maps & Google Earth® Integration
- Bosch 3-Axis G-Shock Sensor
- Internal Microphone for Audio Recording
- Audio/Video output
- Removable Micro SD storage (8GB included, Supports 32GB)
- Small and compact size: 3.5" x 2.125" x 0.75"

The SVC1080 from SmartWitness is a technically advanced, simple to operate vehicle journey/accident recorder. Using a full HD resolution color camera (1080P) at 30 frames per second, an internal 3-axis shock sensor, a built-in GPS, built-in Li-Po battery, built-in microphone, the SVC1080 allows you to record detailed data throughout every drive and detailed evidence to recreate all road events.

The built-in LCD display allows for live image preview & quick video playback in the vehicle while the SVC1080 analysis software enables you to search, view, and save the data on your PC or Mac.

Hardware Overview

Front



Side



Rear



Operation



Live display & Video playback on built-in LCD



Initial Configuration and Record Settings on OSD



Adjust Resolution based on your storage & quality needs



Adjustable Frame Rate

Advanced Analysis Software for PC and Mac



The screenshot shows the SMARTWITNESS software interface. At the top left, the logo and 'SVC1080' are visible. A toolbar contains icons for file operations, playback, and settings. The main window is divided into several sections:

- 1**: Points to the top-left corner of the software window.
- 2**: Points to the top toolbar.
- 3**: Points to the playback controls (play, stop, previous, next, volume).
- 4**: Points to the speedometer and G-force data table.
- 5**: Points to the video playback controls (playback speed, volume).
- 6**: Points to the accelerometer graph.
- 7**: Points to the playback and volume controls.
- 8**: Points to the Google Maps view showing the vehicle's route.
- 9**: Points to the playlist window on the right side of the interface.

#	Icon	Description
1	Open	Load selected SD card data
	Save IMG	Save selected frame
	Print IMG	Print selected frame
	Save to AVI	Save video as AVI file
	Backup	Back-up data files
	Google Earth	Export log data to Google Earth
	Init SD	Initialize SD Card
	Device Settings	Settings menu for recorder
	PC Viewer Setup	Settings menu for software
	About	Software Information
2	Video Display	Displays recorded video
3	Date and Time	Shows date and time of recorded video
4	Driving Info	Shows speed, G-force values on 3-axis, and GPS coordinates
5	Video controls	Video playback controls, Playback speed options: x 1, x 2, x 4, x 8, x 16
6	Accelerometer Graph	Displays X, Y, & Z G-force values on graph
7	Playback & Volume Controls	Select display to be continuous or frame by frame and sound level
8	Map	Shows location and route using Google Maps
9	Data File List	Select files to view from list of files: continuous, panic, accelerometer triggered, photo

Flexible Recording Options & Settings

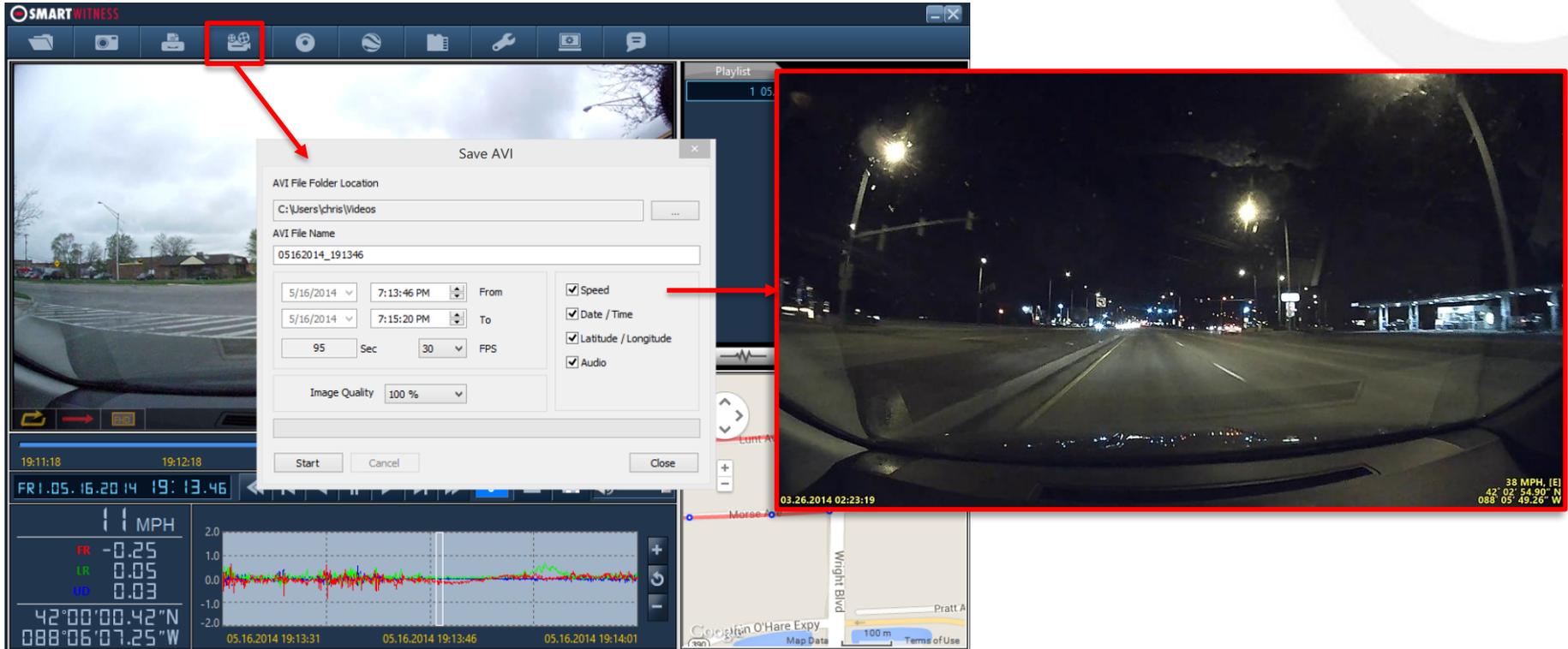
The screenshot displays the SMARTWITNESS software interface. A red box highlights the 'Settings' icon (a wrench) in the top navigation bar. A red arrow points from this icon to the 'Settings' dialog box. The dialog box is divided into several sections:

- Record:** Resolution (1080p HD (1920 X 1080)), Frame Rate (30 FPS), Audio Recording (ON), Event Alarm (ON), LCD Auto Off (ON), Delayed Power Shutdown (ON), Parking Mode (OFF), Password (1000~9999).
- Photo Resolution Settings:** Resolution (3.5M (2176 X 1632)).
- Date / Time:** Daylight Saving Time. Start: Month (3), Week (2), Day of Week (Sun), Hour (2). End: Month (11), Week (1), Day of Week (Sun), Hour (2).
- Overwrite:** Overwrite (NORM) (ON), Overwrite (Panic) (ON), Overwrite (Shock) (ON).
- G-Shock Sensitivity:** Easy Set (2), Custom Set.
- System:** Impact (1 (High)), Turning (2), ACCEL/Brake (3 (Low)), Speaker Volume (Volume 3), Button Beeps (ON), Flickerless Mode (60Hz), Audio Playback (ON), Date Format (MM/DD/YYYY), Time Format (12 Hour).

At the bottom of the dialog box, there are buttons for 'Initialize SD Card', 'Delete Recorded Data', 'OK', and 'Cancel'. The background shows a live video feed with a timestamp 'FRI.06.06.2014 16:3' and sensor data: FR 0.00, LR 0.00, UD 0.00. A 'GPS Map' is also visible in the bottom right corner.

Recording settings can be set at the SVC1080 recorder or on the PC/Mac analysis software (as seen above)

Built-in AVI Conversion Tool



Easily convert your SVC1080 recordings to AVI format for playback in any standard media player or burning to DVD. Vehicle data such as Speed, Time/Date, & GPS location remains watermarked on the AVI file.

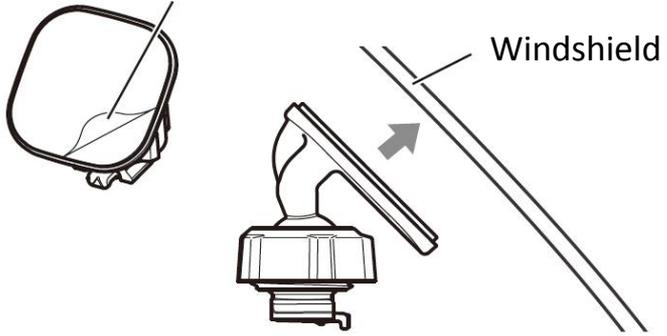
Operation with rechargeable Li-Po Battery



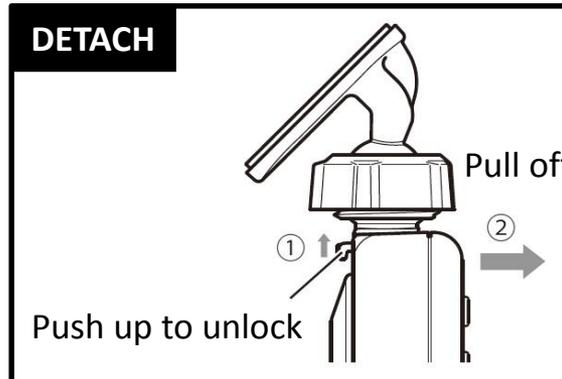
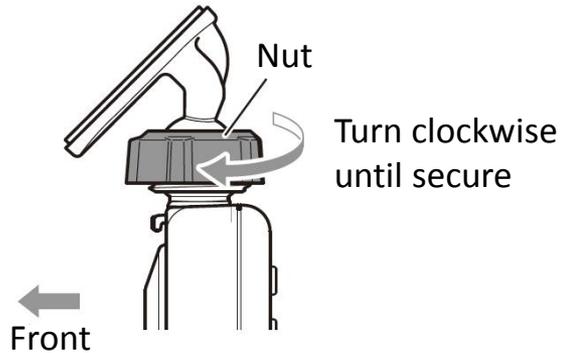
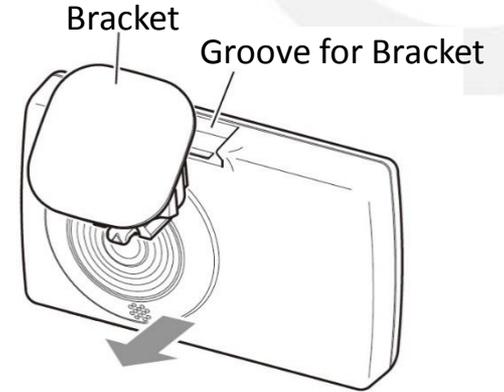
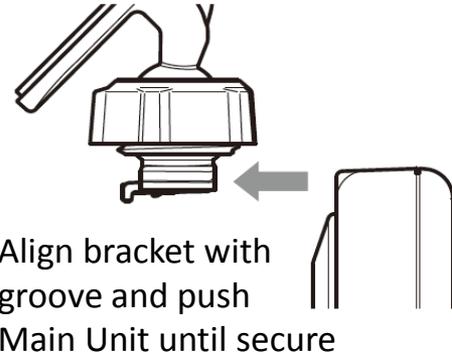
Snapshot capture feature allows you to take pictures of events for additional evidence capture (i.e. car accident)

Easy Attach & Removal

Remove Protecting Film



Push and attach
to inside of windshield



Package Contents



- SVC1080 Recorder
- Adhesive Windshield Mount
- Cigarette Jack Power Cable
- User Manual
- Analysis Software (PC & Mac)
- Micro SD card with SD Adaptor*
- *Optional direct (bare wire) power supply available



*SD Card size will depend on the model and may not be included.

Specifications

Image Sensor	1/3" 3 Megapixel CMOS Sensor
DSP	Standard DSP
Angle of View	170°
Video Resolution	VGA (640x480), 720P (1280x720), 1080P (1440x1080), 1080P Full HD (1920x1080)
Recording Speed	Up to 30fps
Recording Modes	Normal (Continuous) Event (Shock Sensor, Panic) Parking Mode
Recording Time	8GB (50 min ~ 960 min) 32GB (470 min ~ 150 hours)
Backup	Micro SD Memory Card
Memory	Supports Cards of up to 32GB (Class 10)
Maximum Event Files	Shock Sensor: 10, Panic: 10
GPS	Internal GPS
G-Sensor	Internal 3-Axis G-Sensor
RTC	Internal Battery
Buzzer	Event Trigger Alarm, Micro SD Card Error
LED	2 LEDs (Recording - Red, Power - Green)
PC Software	Available from the Smart Witness Website
Power Input	DC 5V (Cigarette Lighter Plug or Permanent Power Connector)
Power Consumption	5W
Size (WxHxD) in mm	88x55x17
Weight	0.075 KG
Operation Temp	-10°C~60°C

Recording Storage Times

Resolution	FPS	Micro SD Card (in minutes)			
		4GB	8GB	16GB	32GB
1080P Full HD	30	57	123	257	523
	10	73	218	508	1,089
	Parking Mode	228	683	1,593	3,413
HD	30	47	142	332	711
	10	85	256	897	1,280
	Parking Mode	310	931	2,172	4,655
720P	30	72	215	502	1,076
	10	163	488	1,138	2,438
	Parking Mode	427	1,280	2,967	6,400
VGA	30	213	640	1,493	3,200
	10	245	735	1,716	3,677
	Parking Mode	1,138	3,413	7,964	17,067

**Note: Actual times may vary depending on a variety of external factors.*

What SmartWitness Customers Are Saying...

- ① ***SmartWitness, when utilized alongside our other disciplines, is a massive leap forward and one which has had and will have an enormous impact on our accident costs.*** -Simon Thompson, Grocontinental
- ① ***Great camera, a real life saver recently when a lorry driver put me into the curb and claimed it was my fault. They have accepted full responsibility due to the video evidence being so conclusive. Paid for itself ten times over in my opinion.*** -Bob Duncan, Owner/Operator
- ① ***We put the system in our vehicles in June last year, mainly because our insurer had asked for what we felt was a higher than reasonable increase in our premium... we agreed to put the cameras in and the insurer agreed to reduce the premium!*** -Chris Pickles, Devereux Transport & Distribution
- ① ***SmartWitness has actually been a godsend. After introducing SmartWitness we had a year of wonderful driving in 2012. I think it's improved our drivers' driving to be honest with you.*** - Steve Sanderson, Sanderson Transport
- ① ***The cameras have definitely improved the behavior of the chauffeurs because our at fault accident rate has reduced by almost half to about four or five accidents per month compared with the same five month period last year. I would estimate we will save about £60,000 a year based on fewer accidents and because we will be less likely to be targeted by 'cash for crash' fraud. We also expect our insurance premiums to reduce next year.*** -Janusz Kozlowski, Tristar Worldwide
- ① ***Driving standards are essential to any fleet and our investment in SmartWitness cameras is part of our commitment to promote better driving behaviors among our technicians. It will also help to safeguard them in the event of an accident that is not their fault and identify if any retraining is needed. We've already received very positive feedback from our drivers as they feel the cameras offer reassurance, eliminating the potential for them to be falsely accused of causing a crash and driving recklessly.*** - Chris Thornton, Auto Windscreens

Thank You!



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